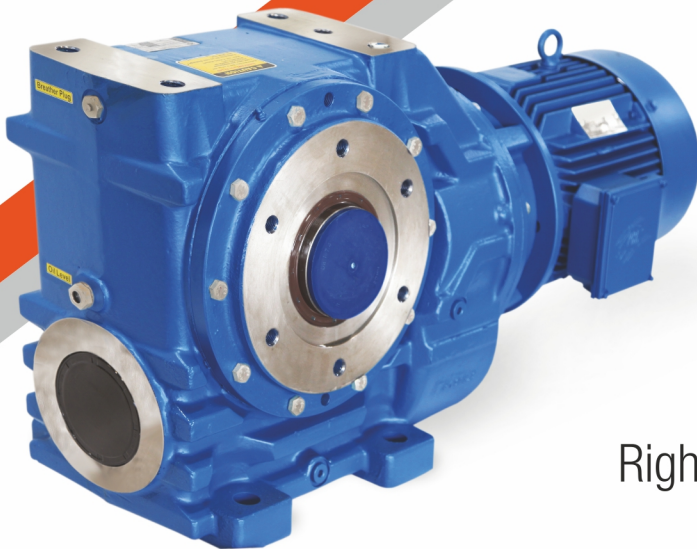




# UNLEASHING POWER

# UNLOCKING VALUE



## Series C

Right Angle Helicworm Geared Motor

GEARED MOTORS · GEARBOXES · GEAR ASSEMBLIES · DRIVE SOLUTIONS



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## GENERAL DESCRIPTION

### Series C

right angle helical worm geared motors and reducers provide a highly efficient and compact solution to meet most requirements up to 45 kW with maximum output torque capacity of 10,000Nm.

Following a long line of power transmission products, this product adds to the growing family of new drives which has taken advantage of our many years of accumulated design expertise, together with the use of high quality materials and components. The end result is a series of speed reducing and geared motors offering high load carrying capacity, increased efficiency, quiet running and reliability.

#### The Range Includes

Eight sizes of units with a ratio coverage of 8:1 to 250:1 in double reduction and 16000:1 in combined units.

- Version W - Standard Unit (C03 - C06 Only)
- Version B - Standard Unit with Base Mounted Feet
- Version E - Standard Unit with End Mounted Feet
- Version R - Standard Unit with Top Mounted Feet
- Version F/H - Standard Unit with Output Flange
- Version G - Standard Unit with Output Flange Reduced Diameter (size C03 only)
- Version T/Q - Standard Unit with Torque Arm
- Version U - Standard Unit Torque Arm Heavy Duty (C10 only)

#### Unit Types:

- Unit type M - Motorised with IEC Standard Motor
- Unit type G - Unit to Allow Fitting of Customers IEC Motor
- Unit type R - Reducer Unit
- Unit type S - Reducer Unit with Fan Kit
- Unit type W - Reducer Unit with Backstop CCW Rotation
- Unit type X - Reducer Unit with Backstop CW Rotation
- Unit type Y - Reducer Unit with Fan and Backstop CW Rotation
- Unit type Z - Reducer Unit with Fan and Backstop CCW Rotation

#### Design Features Include

Patented standard motor connection (IEC or NEMA).

Ability to fit double oil seals input and output as required.

All units are dimensionally interchangeable with other major manufacturers.

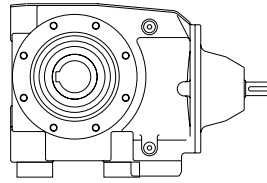
Brake geared motors are available as standard.

Sizes 03, 04, 05 and 06 are lubricated for life.

Motorised units can be fitted with a backstop module and reducer units can be fitted with a backstop and fan.

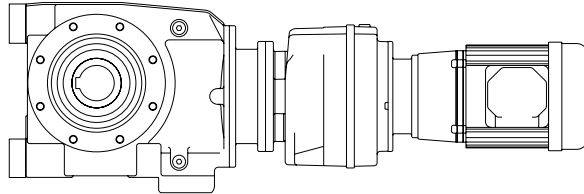
Units are manufactured and assembled from a family of modular kits for distributor friendliness minimising inventory and maximising availability.

*As improvements in design are being made continually this specification is not to be regarded as binding in detail and drawings and capacities are subject to alteration without notice. Certified drawings will be sent on request.*



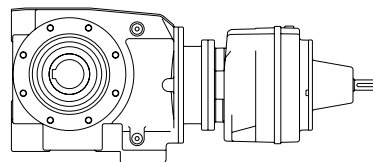
Two stage reduction unit with base mounted feet and hollow output shaft

\* C 0 4 2 1 1 8 . B R H - 1 - - - - -



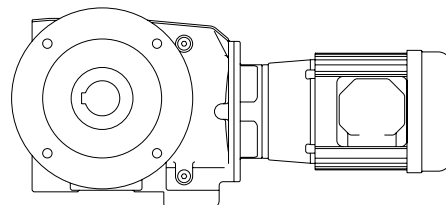
Four stage motorised unit with end mounted feet and hollow output shaft

\* C 0 4 4 1 2 8 0 E M H - 1 A . 1 8 A - -

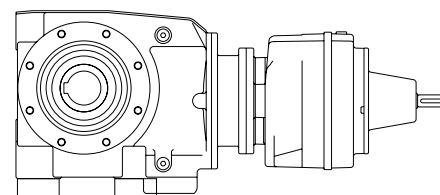


Four stage reduction unit with hollow output shaft

\* C 0 5 4 1 2 8 0 W R H - 1 - - - - -

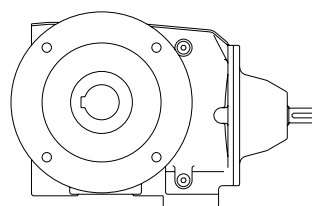


Two stage motorised unit with output flange and single extension output shaft



Four stage reduction unit with base mounted feet and hollow output shaft

\* C 0 4 4 1 2 8 0 B R H - 1 - - - - -



Two stage reduction unit with output flange and single extension output shaft

\* C 0 5 2 1 1 6 0 F R C - 1 - - - - -

\* Typical unit designations

| Gear codes |   |   |   |   |   |   |   |   |    |    |    |    | Motor codes |    |    |    |    |    |    |  |  |
|------------|---|---|---|---|---|---|---|---|----|----|----|----|-------------|----|----|----|----|----|----|--|--|
| 1          | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14          | 15 | 16 | 17 | 18 | 19 | 20 |  |  |
|            |   |   |   |   |   |   |   |   |    |    |    |    |             |    |    |    |    |    |    |  |  |
|            |   |   |   |   |   |   |   |   |    |    |    |    |             |    |    |    |    |    |    |  |  |

**Example**  
 \* **Series C**  
 Range **C**  
 2, 3 - **Size of Unit** **03** Through **10**  
 4 - **No of Reductions** **234**  
 5 - **Revision Version** **1** For Sizes 03 to 10  
 6,7,8 - **Nominal Overall Ratio** eg. **50.**  
 9 - **Unit Version**  
**W** - Standard Unit (C03 - C06 Only)  
**B** - Standard Unit with Base Mounted Feet  
**E** - Standard Unit with End Mounted Feet  
**R** - Standard Unit with Top Mounted Feet  
 Std Unit with Output Flange **F** on Left **H** on Right  
**G** - Std Unit with Output Flange Reduced Dia (C03 Only)  
 Std Unit with Torque Arm **T** on Left **Q** on Right  
**U** - Std Unit with Torque Arm - Heavy Duty (C10 Only)  
 10 - **Type of Unit**  
**M** - Motorized with IEC standard motor  
**G** - Unit to allow fitting of IEC motor (customer own motor)  
**R** - Reducer unit  
**S** - Reducer unit with fan kit  
**W** - Reducer unit with backstop CCW rotation  
**X** - Reducer unit with backstop CW rotation  
**Y** - Reducer unit with fan and backstop CW rotation  
**Z** - Reducer unit with fan and backstop CCW rotation  
 11 - **Output Shaft**  
 Standard Single Extension **C** on Left **E** on Right  
 Standard Double Extension **D**  
 Standard Hollow Shaft **H**  
 Unit with Hollow Shaft with Reduced Bore Dia **Z**  
 Heavy Duty Single Extension (Size C06) **J**  
 Heavy Duty Double Extension (Size C06) **K**  
 12 - **Motor Adaptor For Unit Types**  
 Column 10 Entries **M, N, H, E, G** or **A**  
 For All Other Types Enter **-**  
 13, 14 - **Mounting Position**  
 eg **2B**  
 15, 16, 17 - **Geared Motor Powers**  
 Motor Power Required  
 eg **.75**  
 For Reducer or Non-Standard  
 Motor Types Enter **- - -**  
 18 - **No of Motor Features**  
**-** No motor  
 50 Hz 60 Hz  
 4 Pole (Std) 1500 rpm **A** 1800 rpm **B**  
 4 Pole (High) 1500 rpm **K** 1800 rpm **L**  
 6 Pole (Std) 1000 rpm **C** 1200 rpm **D**  
 6 Pole (High) 1000 rpm **M** 1200 rpm **N**  
 2 Pole 3000 rpm **E** 3600 rpm **F**  
 8 Pole 750 rpm **G** 900 rpm **H**  
**S** Dual Speed or Special Motor  
 19 - **Additional Motor Features**  
 eg **- A**  
 For Types Without Motor Enter **-**  
 20 - **Additional Gearbox Features**  
 Double Oil Seal, Motorised Backstop Etc  
 eg **- F**

# **SERIES C** **EXPLANATION & USE OF RATINGS** **& SERVICE FACTORS**

Gear unit selection is made by comparing actual loads with catalogue ratings. Catalogue ratings are based on a standard set of loading conditions, whereas actual load conditions vary according to type of application. Service Factors are therefore used to calculate an equivalent load to compare with catalogue ratings.

i.e. Equivalent Load = Actual Load x Service Factor

## **Mechanical ratings and service factor Fm**

Mechanical ratings measure capacity in terms of life and/or strength, assuming 10 hr/day continuous running under uniform load conditions.

Catalogue ratings allow 100% overload at starting, braking or momentarily during operation up to 10 hours per day.

The unit selected must therefore have a catalogue rating at least equal to half maximum overload.

Mechanical Service Factor Fm (Table 1) is used to modify the actual load according to daily operating time, and type of loading.

Load characteristics for a wide range of applications are detailed in Table 3 opposite, which are used in deciding the appropriate Service Factor Fm from Table 1.

If overloads can be calculated, or accurately assessed, actual loads should be used instead of Fm.

For units subjected to frequent stop/starts overloads in excess of 10 times/day multiply factor Fm x Factor Fs (table 2).

**Table 1. Mechanical Service Factor (Fm)**

| Prime Mover                                             | Duration of service<br>hrs Per day | Load classification- driven machine          |                                               |                                   |
|---------------------------------------------------------|------------------------------------|----------------------------------------------|-----------------------------------------------|-----------------------------------|
|                                                         |                                    | Uniform mass<br>acceleration factor<br>< 0.2 | Moderate mass<br>acceleration factor<br>< 0.3 | Heavy acceleration<br>factor < 10 |
| Electric Motor,<br>Steam Turbine, or<br>Hydraulic Motor | < 3                                | 0.80                                         | 1.00                                          | 1.50                              |
|                                                         | 3 - 10                             | 1.00                                         | 1.25                                          | 1.75                              |
|                                                         | > 10                               | 1.25                                         | 1.50                                          | 2.00                              |
| Multi-cylinder<br>internal combustion<br>engine         | < 3                                | 1.00                                         | 1.25                                          | 1.75                              |
|                                                         | 3 - 10                             | 1.25                                         | 1.50                                          | 2.00                              |
|                                                         | > 10                               | 1.50                                         | 1.75                                          | 2.25                              |
| single cylinder<br>internal combustion<br>engine        | < 3                                | 1.25                                         | 1.50                                          | 2.00                              |
|                                                         | 3 - 10                             | 1.50                                         | 1.75                                          | 2.25                              |
|                                                         | > 10                               | 1.75                                         | 2.00                                          | 2.50                              |

Mass acceleration factor =  $\frac{\text{all external moments of inertia} *}{\text{moment of inertia of driving motor}}$

\* calculated with reference to the motor speed

**Table 2. Number of Starts Factor (Fs)**

| Starts/ stops<br>per hour | < 1  | 5    | 10   | 40   | 60   | > 200 |
|---------------------------|------|------|------|------|------|-------|
| Factor FS                 | 1.00 | 1.03 | 1.06 | 1.10 | 1.15 | 1.20  |

Note: (1) Intermediate values are obtained by linear interpolation

## **Thermal Rating (For In-line Reducers)**

The Thermal Rating is the gearboxes ability to dissipate heat. If exceeded, may cause the lubricant to break down resulting in premature gear failure. A thermal check should be made in accordance with the Thermal Rating Procedure



# SERIES C

## LOAD CLASSIFICATION BY APPLICATION

**Load Classifications -** U =Uniform Load M =Moderate Shock Load H =Heavy Shock Load † =Consult our Engineers

|                                            |   |                                    |   |                            |   |                               |   |
|--------------------------------------------|---|------------------------------------|---|----------------------------|---|-------------------------------|---|
| <b>Agitators</b>                           |   | <b>Elevators</b>                   |   | <b>Machine Tools</b>       |   | <b>Pumps</b>                  |   |
| Pure liquids                               | U | Bucket - Uniform load              | U | Bending roll               | M | Centrifugal proportioning     | U |
| Liquids and solids                         | M | Bucket - Heavy load                | M | Punch press                | H | Proportioning                 | M |
| Liquids variable density                   | M | Bucket - Continuous                | U | Notching press             | H | Reciprocating                 |   |
|                                            |   | Centrifugal discharge              | U | Plate planer               | H | Single acting 3+ cylinders    | M |
| <b>Blowers</b>                             |   | Escalators                         | U | Other machine tools        |   | Double acting 2+ cylinders    | M |
| Centrifugal                                | U | Freight                            | M | Main drive                 | M | Single acting 1 & 2 cylinders | † |
| Lobe                                       | M | Gravity discharge                  | U | Aux drive                  | U | Double acting 1 cylinder      | † |
| Vane                                       | U | Passenger lifts                    | † |                            |   | Rotary- gear type             | U |
|                                            |   |                                    |   | <b>Metal mills</b>         |   | Rotary- lobe type/ vane       | U |
| <b>Brewing &amp; distilling</b>            |   | <b>Fans</b>                        |   | Carriage/main drive        | M | <b>Sand muller</b>            | M |
| Bottling machinery                         | M | Centrifugal                        | U | Draw bench                 | M |                               |   |
| Brew Kettles                               | M | Cooling towers                     |   | Dryer                      | M | <b>Sewage treatment</b>       |   |
| Cookers                                    | M | Induced draft                      | † | Flattening machinery       | M | Bar screen                    | U |
| Mash tubs                                  | M | Forced draft                       | † | Pinch drive                | M | Chemical feeder               | U |
| Scale hopper                               | M | Fan - Large diameter induced draft | M | Reversing slitters         | M | Collector                     | U |
|                                            |   | Fan - Light, small diameter        | M | Scrubber rolls             | M | Dewatering screw              | M |
| <b>Can filling machinery</b>               | M | <b>Feeders</b>                     |   | Table conveyors            |   | Mixers                        | M |
|                                            |   | Apron                              | M | Group drives               | H | Scum breaker                  | M |
| <b>Crane knife</b>                         | M | Belt                               | M | Individual drives          | H | Thickness                     | M |
|                                            |   | Disc                               | U | Table conveyors- reversing | H | Vacuum filters                | M |
| <b>Car dumper</b>                          | M | Reciprocating                      | H | Wire draw                  | M |                               |   |
|                                            |   | Screw                              | M | Wire roll                  | M | <b>Screens</b>                |   |
| <b>Car puller</b>                          | M |                                    |   | <b>Mills</b>               |   | Air washing                   | U |
| <b>Clarifier</b>                           | U | <b>Food industry</b>               |   | Cement kiln                | H | Rotary, stone or gravel       | M |
|                                            |   | Cereal cooker                      | U | Dryer, Cooler              | H | Traveling water intake        | U |
| <b>Classifier</b>                          | M | Dough mixer                        | M | Kiln (other)               | H |                               |   |
|                                            |   | Meat grinder                       | M | Rod plain                  | H | <b>Slab pushers</b>           | M |
| <b>Clay wokring machinery</b>              |   | Meat slicer                        | M | Rod wedge bar              | H |                               |   |
| Brick press                                | H | <b>Generators - not welding</b>    | U | Rotary/ Ball               | H | <b>Slewing</b>                | H |
| Briquette machine                          | H |                                    |   | Tumbling barrel            | H |                               |   |
| Clay working machinery                     | M | <b>Hammer mills</b>                | H | <b>Mixers</b>              |   | <b>Steering gear</b>          | † |
| Plug mill                                  | M |                                    |   | Concrete                   | M |                               |   |
| <b>Compressors</b>                         |   | <b>Hoists</b>                      |   | Cons density               | U | <b>Stokers</b>                | U |
| Centrifugal                                | U | Heavy duty                         | H | Variable density           | M |                               |   |
| Lobe                                       | M | Medium duty                        | M |                            |   | <b>Sugar industry</b>         |   |
| Reciprocating                              |   | Skip hoist                         | M | <b>Oil industry</b>        |   | Can knife                     | M |
| Multi cylinder                             | M |                                    |   | Chiller's                  | M | Crusher                       | M |
| Single cylinder                            | H | <b>Laundry</b>                     |   | Oil well pump              | M | Mills                         | M |
|                                            |   | Tumbler                            | M | Filter press               | M | <b>Textile industry</b>       |   |
| <b>Conveyors- Light duty uniform load</b>  |   | Washer                             | M | Rotary kiln                | M | Batchers                      |   |
| Apron                                      | U | <b>Line shafts</b>                 |   | <b>Paper industry</b>      |   | Calenders                     | M |
| Assembly                                   | U | Heavy duty                         | M | Agitator (mixer)           | M | Cards                         | M |
| Belt                                       | U | Light duty                         | U | Barker (hydraulic)         | M | Dry cans                      | M |
| Bucket                                     | U |                                    |   | Barker (mechanical)        | H | Dryers                        | M |
| Chain                                      | U | <b>Lumber industry</b>             |   | Barking drum               | H | Dyeing machinery              | M |
| Flight                                     | U | Barkers                            | M | Beater & Pulper            | M | Knitting machinery            | M |
| Oven                                       | U | Burner conveyor                    | H | Bleacher                   | U | Looms                         | M |
| Screw                                      | U | Chain/ Drag saw                    | H | Calednders                 | M | Mangles                       | M |
|                                            |   | Chain transfer                     | H | Calenders- super           | H | Nappers                       | M |
| <b>Conveyors - Heavy duty uniform load</b> |   | Chain way transfer                 | H | Converting machine         | M | Pads                          | M |
| Apron                                      | M | De- barking drum                   | H | Conveyors                  | U | Range drive                   | M |
| Assembly                                   | M | Edger feed                         | M | Couch                      | M | Slashers                      | M |
| Belt                                       | M | Gang feed                          | M | Cutters - plates           | H | Soapers                       | M |
| Bucket                                     | M | Green chain                        | M | Cylinders                  | M | Spinners                      | M |
| Chain                                      | M | Live roll                          | H | Dryers                     | M | Tenter frame                  | M |
| Flight                                     | M | Log deck                           | H | Felt stretcher             | M | Washers                       | M |
| Live roll                                  | † | Log haul                           | H | Felt whipper               | H | Winders                       | M |
| Oven                                       | M | Log turning                        | H | Jordans                    | M | <b>Windlass</b>               | † |
| Reciprocating                              | M | Log conveyoyr                      | H | Log haul                   | H |                               |   |
| Screw                                      | M | Of bearing roll                    | M | Machine real               | M |                               |   |
| Shaker                                     | M | Planer feed chaines                | M | Presses                    | M |                               |   |
|                                            |   | Planer hoist                       | M | Stock chest                | M |                               |   |
| <b>Cranes</b>                              | † | Re-saw conveyor                    | M | Suction roll               | M |                               |   |
|                                            |   | Roll cases                         | H | Washers & thickeners       | M |                               |   |
| <b>Crusher</b>                             |   | Slab conveyor                      | H | Winders                    | M |                               |   |
| Ore                                        | H | Sorting table - triple hoist       | M |                            |   |                               |   |
| Stone                                      | H | Triple hoist - Drive /conveyor     | M | <b>Printing presses</b>    | † |                               |   |
| Sugar                                      | H | Transfer conveyor                  | M |                            |   |                               |   |
|                                            |   | Transfer roll                      | M | <b>Pullers</b>             |   |                               |   |
| <b>Dredger</b>                             | M | Tray drive                         | M | Barge haul                 | H |                               |   |
| Cable reals                                | M | Trimmer feed                       | M |                            |   |                               |   |
| Conveyors                                  | M | Waster conveyor                    | M |                            |   |                               |   |
| Cutter head drive                          | H | Small waste conveyor (belt)        | U |                            |   |                               |   |
| Pumps                                      | M | Small waste conveyor (chain)       | U |                            |   |                               |   |
| Screen drive                               | H |                                    |   |                            |   |                               |   |
| Stackers                                   | M |                                    |   |                            |   |                               |   |
| Winches                                    | M |                                    |   |                            |   |                               |   |

# SERIES C

## SELECTION PROCEDURE FOR MOTORISED UNITS

### EXAMPLE APPLICATION DETAILS

Absorbed power of driven machine = 0.7 kW  
 Output speed of gearbox or Input speed of machine = 68 rev/min  
 Application = Uniformly loaded belt conveyor  
 Duration of service (hours per day) = 24hrs  
 Mounting position = 1  
 Ambient temperature = 20°C  
 Running time (%) = 100%

### Note!

If you select a Series C Reducer for use without TEFC motor, A thermal check must be made.

### 1 DETERMINE MECHANICAL SERVICE FACTOR (Fm)

Refer to Load Classification by Application, table 3, page 6

Application = Uniformly loaded belt conveyor

#### Conveyors-uniformly loaded or fed

|          |   |                  |
|----------|---|------------------|
| apron    | U | U = Uniform load |
| assembly | U |                  |
| belt     | U |                  |
| bucket   | U |                  |
| chain    | U |                  |

Refer to mechanical service factor (Fm)

Duration of service (hours per day) = 24hrs

| Prime mover                                      | Duration of service per day | Load classification |          |
|--------------------------------------------------|-----------------------------|---------------------|----------|
|                                                  |                             | Uniform             | Moderate |
| Electric motor, steam turbine or hydraulic motor | < 3                         | 0.80                | 1.00     |
|                                                  | 3 - 10                      | 1.00                | 1.25     |
|                                                  | > 10                        | 1.25                | 1.50     |

Therefore mechanical service factor (Fm) = 1.25

If the unit is subject to frequent start/stops Fm must be multiplied by factor Fs

### 2 DETERMINE REQUIRED OUTPUT TORQUE AT GEARBOX OUTPUT SHAFT

Absorbed output torque = Absorbed power x 9550 / Gearbox output speed

$$\frac{0.7 \times 9550}{68} = 98 \text{ Nm}$$

### 3 SELECT GEARED MOTOR

Refer to selection table one motor size larger than absorbed power. Absorbed power = 0.7 kW, therefore refer to 0.75 kW selection table.

Always select from 4 POLE selection table in the first instance as this offers a more economical solution.

Required output speed of gearbox = 68 rev/min

**0.75 kW**

**4 POLE**

| N2 R/MIN     | i     | M2 Nm         | Fm             | N             | UNIT DESIGNATION                                                  | Kg                        |                  |
|--------------|-------|---------------|----------------|---------------|-------------------------------------------------------------------|---------------------------|------------------|
| Output Speed | Ratio | Output Torque | Service Factor | Overhung Load | Column Entry 1 Through 20 Spaces to be filled when entering order | Weight of Base Mount Unit | Motor Frame Size |
| 165          | 8.59  | 36            | 2.24           | 2841          | C 0 3 2 1 8 . 0 _ M _ _ _ . 7 5 A - -                             | 19.5                      | 80A              |
| 122          | 11.61 | 48            | 1.81           | 2837          | 1 1 .                                                             |                           |                  |
| 107          | 13.20 | 54            | 1.65           | 2832          | 1 2 .                                                             |                           |                  |
| 95           | 14.95 | 62            | 1.51           | 2832          | 1 4 .                                                             |                           |                  |
| 86           | 16.36 | 60            | 1.44           | 2827          | 1 6 .                                                             |                           |                  |
| 74           | 19.12 | 78            | 1.27           | 2821          | 1 8 .                                                             |                           |                  |
| 69           | 20.61 | 84            | 1.2            | 2821          | 2 0 .                                                             |                           |                  |
| 64           | 22.11 | 80            | 1.18           | 2821          | 2 2 .                                                             |                           |                  |
| 56           | 25.14 | 90            | 1.08           | 2810          | 2 5 .                                                             |                           |                  |
| 50           | 28.48 | 101           | 1              | 2810          | 2 8 .                                                             |                           |                  |

Go to point 4

# SERIES C

## SELECTION PROCEDURE FOR MOTORISED UNITS

### 4 CHECK OUTPUT TORQUE

Output torque (M2) of selected unit must be equal or more than required output torque at gearbox outputshaft.

Required output torque at gearbox outputshaft = 98 Nm.

| <b>0.75 kW</b><br>4 POLE | N2<br>R/MIN     | i     | M2<br>Nm         | Fm                | N                | UNIT DESIGNATION                                                                                               | Kg                              |                        |
|--------------------------|-----------------|-------|------------------|-------------------|------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|
|                          | Output<br>SPEED | Ratio | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <input type="text"/> 1 Through <input type="text"/> 20<br>Spaces to be filled when entering order | Weight of<br>Base<br>Mount Unit | Motor<br>Frame<br>Size |
|                          | 74              | 19.12 | 78               | 1.27              | 2821             | C 0 3 2 1 1 8 . _ M _ _ _ . 7 5 A - -                                                                          | 19.5                            | 80A                    |
|                          | 69              | 20.61 | 84               | 1.2               | 2821             | 2 0 .                                                                                                          |                                 |                        |
|                          | 64              | 22.11 | 80               | 1.18              | 2821             | 2 2 .                                                                                                          |                                 |                        |

However the output torque is only 84 against the requirement of 98 Nm, hence a unit fitted with a 1.1 kW motor is required

| <b>1.1 kW</b><br>4 POLE | N2<br>R/MIN     | i     | M2<br>Nm         | Fm                | N                | UNIT DESIGNATION                                                                                               | Kg                              |                        |
|-------------------------|-----------------|-------|------------------|-------------------|------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|
|                         | Output<br>SPEED | Ratio | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <input type="text"/> 1 Through <input type="text"/> 20<br>Spaces to be filled when entering order | Weight of<br>Base<br>Mount Unit | Motor<br>Frame<br>Size |
|                         | 74              | 19.12 | 115              | 0.86              | 2800             | C 0 3 2 1 1 8 . _ M _ _ _ 1 - 1 A - -                                                                          | 24.5                            | 90S                    |
|                         | 68              | 20.61 | 123              | 0.82              | 2800             | 2 0 .                                                                                                          |                                 |                        |
|                         | 64              | 22.11 | 117              | 1.8               | 2800             | 2 2 .                                                                                                          |                                 |                        |

Selected unit's output torque (M2) = 123 Nm, therefore the torque from a 1.1 kW motor is acceptable.

### 5 CHECK SERVICE FACTOR

Service factor (Fm) of selected unit must be equal or more than required service factor.

Required service factor of gearbox = 1.25

| <b>1.1 kW</b><br>4 POLE | N2<br>R/MIN     | i     | M2<br>Nm         | Fm                | N                | UNIT DESIGNATION                                                                                               | Kg                              |                        |
|-------------------------|-----------------|-------|------------------|-------------------|------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|
|                         | Output<br>SPEED | Ratio | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <input type="text"/> 1 Through <input type="text"/> 20<br>Spaces to be filled when entering order | Weight of<br>Base<br>Mount Unit | Motor<br>Frame<br>Size |
|                         | 74              | 19.12 | 115              | 0.86              | 2800             | C 0 3 2 1 1 8 . _ M _ _ _ 1 - 1 A - -                                                                          | 24.5                            | 90S                    |
|                         | 68              | 20.61 | 123              | 0.82              | 2800             | 2 0 .                                                                                                          |                                 |                        |
|                         | 64              | 22.11 | 117              | 0.8               | 2800             | 2 2 .                                                                                                          |                                 |                        |
|                         | 86              | 16.36 | 91               | 1.57              | 5275             | C 0 4 2 1 1 6 0 _ M _ _ _ 1 - 1 A - -                                                                          | 26.5                            | 90S                    |
|                         | 74              | 19.12 | 117              | 1.43              | 5275             | C 0 4 2 1 1 8 0                                                                                                |                                 |                        |
|                         | 68              | 20.61 | 125              | 1.36              | 5275             | C 0 4 2 1 2 0 0                                                                                                |                                 |                        |
|                         | 64              | 22.11 | 121              | 1.28              | 5275             | C 0 4 2 1 2 2 0                                                                                                |                                 |                        |

The service factor (Fm) is only 0.82, therefore this unit is not acceptable and a larger C0421 unit must be selected with a service factor (Fm) of 1.36

### 5 CHECK OVERHUNG LOADS

If sprocket, gear, etc is mounted on the outputshaft then refer to Overhung Loads Procedure, and compare with allowable overhung load (N) of selected unit

Allowable overhung load (N) must be equal or more than calculated overhung load (P)

| <b>1.1 kW</b><br>4 POLE | N2<br>R/MIN     | i     | M2<br>Nm         | Fm                | N                | UNIT DESIGNATION                                                                                               | Kg                              |                        |
|-------------------------|-----------------|-------|------------------|-------------------|------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|
|                         | Output<br>Speed | Ratio | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <input type="text"/> 1 Through <input type="text"/> 20<br>Spaces to be filled when entering order | Weight of<br>Base<br>Mount Unit | Motor<br>Frame<br>Size |
|                         | 164             | 8.59  | 54               | 2.51              | 5286             | C 0 4 2 1 8 . 0 _ M _ _ _ 1 - 1 A - -                                                                          | 24.5                            | 90S                    |
|                         | 121             | 11.61 | 72               | 2.04              | 5279             | 1 1 .                                                                                                          |                                 |                        |
|                         | 107             | 13.20 | 82               | 1.87              | 5280             | 1 2 .                                                                                                          |                                 |                        |
|                         | 94              | 14.95 | 92               | 1.71              | 5275             | 1 4 .                                                                                                          |                                 |                        |
|                         | 86              | 16.36 | 91               | 1.57              | 5275             | 1 6 .                                                                                                          |                                 |                        |
|                         | 74              | 19.12 | 117              | 1.43              | 5275             | 1 8 .                                                                                                          |                                 |                        |
|                         | 68              | 20.61 | 125              | 1.36              | 5275             | 2 0 .                                                                                                          |                                 |                        |
|                         | 64              | 22.11 | 121              | 1.28              | 5275             | 2 2 .                                                                                                          |                                 |                        |

NOTE: If any of the following conditions occur then consult our Application Engineers:-

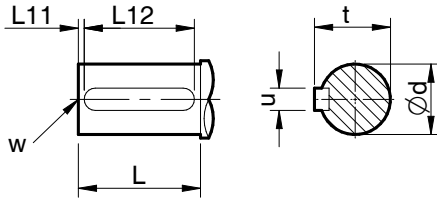
a) Inertia of the Driven Machine (Referred to motor speed) >10  
Inertia of Gear Unit plus the Motor

b) Ambient temperature is above 40°C

# SERIES C

## OUTPUT OPTIONS

### OUTPUTSHAFT OPTIONS. COLUMN 11 ENTRY



### Column 11 Entry

Standard Single Extension C on Left E on Right

Standard Double Extension D

Std Heavy Duty Single Extension (Size C06) J

Std Heavy Duty Double Extension (Size C06) K

| Size       | Type of Output Shaft | Column 11 Entry | Dimensions in mm |     |     |      |      |    |                 |
|------------|----------------------|-----------------|------------------|-----|-----|------|------|----|-----------------|
|            |                      |                 | ød               | L   | L11 | L12  | t    | u  | w               |
| <b>C03</b> | Metric - Standard    | C, E, D         | 20.015 / 20.002  | 35  | 3   | 31 2 | 2.5  | 6  | M6 x 1.0 x 16   |
| <b>C04</b> | Metric - Standard    | C, E, D         | 25.015 / 25.002  | 46  | 3   | 42   | 28   | 8  | M10 x 1.5 x 22  |
| <b>C05</b> | Metric - Standard    | C, E, D         | 30.015 / 30.002  | 60  | 3   | 53   | 33   | 8  | M10 x 1.5 x 22  |
| <b>C06</b> | Metric - Standard    | C, E, D         | 35.018 / 35.002  | 63  | 3   | 55   | 38   | 10 | M12 x 1.75 x 22 |
|            | Metric - Heavy Duty  | J, K            | 45.018 / 45.002  | 98  | 5   | 80   | 48.5 | 14 | M16 x 2.0 x 36  |
| <b>C07</b> | Metric - Standard    | C, E, D         | 45.018 / 45.002  | 76  | 3   | 70   | 48.5 | 14 | M16 x 2.0 x 36  |
| <b>C08</b> | Metric - Standard    | C, E, D         | 60.030 / 60.011  | 120 | 3   | 110  | 64   | 18 | M20 x 2.5 x 42  |
| <b>C09</b> | Metric - Standard    | C, E, D         | 70.030 / 70.011  | 135 | 3   | 125  | 74.5 | 20 | M20 x 2.5 x 42  |
| <b>C10</b> | Metric - Standard    | C, E, D         | 90.035 / 90.013  | 170 | 3   | 160  | 95   | 25 | M24 x 3.0 x 50  |

# SERIES C

## OUTPUTBORE OPTIONS

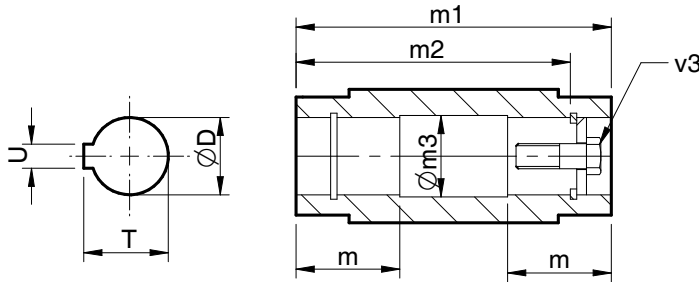
### OUTPUT BORE OPTIONS, COLUMN 11 ENTRY

#### Column 11 Entry

Metric Hollow Shaft



Metric Hollow Shaft with  
reduced bore diameter



| Size | Type of Bore | Column 11 Entry | Dimensions in mm |       |     |     |       |       |    |                 |
|------|--------------|-----------------|------------------|-------|-----|-----|-------|-------|----|-----------------|
|      |              |                 | ØD               | m     | m1  | m2  | Øm3   | T     | U  | v3              |
| C03  | Standard     | H               | 20.021/20.000    | 52    | 124 | 104 | 20.2  | 22.9  | 6  | M6 x 1.0 x 40   |
| C04  | Standard     | H               | 30.021/30.000    | 54    | 130 | 122 | 30.2  | 33.5  | 8  | M10 x 1.5 x 50  |
|      | Reduced Dia  | Z               | 25.021/25.000    | 54    | 130 | 125 | 25.2  | 28.5  | 8  | M10 x 1.5 x 50  |
| C05  | Standard     | H               | 35.025/35.000    | 56    | 140 | 127 | 35.3  | 38.5  | 10 | M12 x 1.75 x 55 |
|      | Reduced Dia  | Z               | 30.021/30.000    | 56    | 140 | 127 | 30.3  | 33.5  | 8  | M10 x 1.5 x 45  |
| C06  | Standard     | H               | 45.025/45.000    | 70    | 180 | 156 | 45.3  | 49    | 14 | M16 x 2.0 x 70  |
|      | Reduced Dia  | Z               | 40.025/40.000    | 70    | 180 | 156 | 40.3  | 43.5  | 12 | M16 x 2.0 x 70  |
| C07  | Standard     | H               | 60.030/60.000    | 79    | 218 | 188 | 60.5  | 64.6  | 18 | M20 x 2.5 x 80  |
|      | Reduced Dia  | Z               | 50.030/50.000    | 79    | 218 | 191 | 50.5  | 54    | 14 | M16 x 2.0, x 70 |
| C08  | Standard     | H               | 70.030/70.000    | 90    | 250 | 220 | 70.5  | 75.1  | 20 | M20 x 2.5 x 80  |
|      | Reduced Dia  | Z               | 60.030/60.000    | 90    | 250 | 220 | 60.5  | 64.6  | 18 | M20 x 2.5 x 80  |
| C09  | Standard     | H               | 90.035/90.000    | 107.5 | 300 | 265 | 90.5  | 95.6  | 25 | M24 x 3.0 x 110 |
|      | Reduced Dia  | Z               | 70.030/70.000    | 107.5 | 300 | 270 | 70.5  | 75.1  | 20 | M20 x 2.5, x100 |
| C10  | Standard     | H               | 100.035/100.000  | 132.5 | 350 | 313 | 100.5 | 106.6 | 28 | M24 x 3.0 x 110 |
|      | Reduced Dia  | Z               | 80.030/80.000    | 132.5 | 350 | 313 | 80.5  | 85.6  | 22 | M20 x 2.5 x 100 |

### Double Reduction Units

#### Integral Motor - Column 19 Entry - I

| Power   | C0321                  |                  | C0421                  |                  | C0521                  |                        | C0621                  |                  | C0721                  |                  | C0821                  |                        |
|---------|------------------------|------------------|------------------------|------------------|------------------------|------------------------|------------------------|------------------|------------------------|------------------|------------------------|------------------------|
|         | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 40.<br>56. - 63. | 45. - 50.<br>71. - 250 | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 40.<br>56. - 63. | 45. - 50.<br>71. - 250 |
| 0.25 kW | •                      | •                | •                      | •                | -                      | •                      | -                      | -                | -                      | -                | -                      | -                      |
| 0.37 kW | •                      | •                | •                      | •                | -                      | •                      | -                      | -                | -                      | -                | -                      | -                      |
| 0.55 kW | •                      | •                | •                      | •                | •                      | •                      | -                      | •                | -                      | -                | -                      | -                      |
| 0.75 kW | •                      | •                | •                      | •                | •                      | •                      | -                      | •                | -                      | -                | -                      | -                      |
| 1.1 kW  | •                      | -                | •                      | -                | •                      | -                      | •                      | •                | -                      | •                | -                      | -                      |
| 1.5 kW  | •                      | -                | •                      | -                | •                      | -                      | •                      | •                | -                      | •                | -                      | -                      |
| 2.2 kW  | -                      | -                | -                      | -                | -                      | -                      | •                      | •                | -                      | •                | -                      | •                      |
| 3.0 kW  | -                      | -                | -                      | -                | -                      | -                      | •                      | •                | -                      | •                | -                      | •                      |
| 4.0 kW  | -                      | -                | -                      | -                | -                      | -                      | •                      | -                | -                      | •                | -                      | •                      |
| 5.5 kW  | -                      | -                | -                      | -                | -                      | -                      | •                      | -                | -                      | •                | -                      | •                      |
| 7.5 kW  | -                      | -                | -                      | -                | -                      | -                      | -                      | -                | -                      | •                | -                      | •                      |

#### Standard Motor IEC Flanges B14 - Column 12 Entry

| Motor | C0321                  |                  | C0421                  |                  | C0521                  |                        | C0621                  |                  | C0721                  |                  |
|-------|------------------------|------------------|------------------------|------------------|------------------------|------------------------|------------------------|------------------|------------------------|------------------|
|       | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 40.<br>56. - 63. | 45. - 50.<br>71. - 250 | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 |
| 71    | H                      | H                | H                      | H                | B                      | H                      | -                      | G                | -                      | G                |
| 80    | B                      | K                | B                      | K                | B                      | K                      | -                      | G                | -                      | G                |
| 90    | D                      | R                | D                      | R                | D                      | R                      | Z                      | J                | -                      | J                |
| 100   | E                      | S                | E                      | S                | E                      | S                      | B                      | L                | B                      | L                |
| 112   | E                      | S                | E                      | S                | E                      | S                      | B                      | L                | B                      | L                |
| 132   | -                      | -                | -                      | -                | -                      | -                      | -                      | -                | D                      | N                |

#### Standard Motor IEC Flanges B5 - Column 12 Entry

| Motor | C0321                  |                  | C0421                  |                  | C0521                  |                        | C0621                  |                  | C0721                  |                  | C0821                  |                        | C0921                  |                        | C1021                  |                        |
|-------|------------------------|------------------|------------------------|------------------|------------------------|------------------------|------------------------|------------------|------------------------|------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|       | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 40.<br>56. - 63. | 45. - 50.<br>71. - 250 | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 28.<br>36. - 40. | 32.<br>45. - 250 | 8.0 - 40.<br>56. - 63. | 45. - 50.<br>71. - 250 | 8.0 - 40.<br>56. - 63. | 45. - 50.<br>71. - 250 | 8.0 - 40.<br>56. - 63. | 45. - 50.<br>71. - 250 |
| 63    | F                      | F                | F                      | F                | -                      | F                      | -                      | V                | -                      | -                | -                      | -                      | -                      | -                      | -                      | -                      |
| 71    | G                      | G                | G                      | G                | -                      | G                      | -                      | D                | -                      | -                | -                      | -                      | -                      | -                      | -                      | -                      |
| 80    | A                      | J                | A                      | J                | A                      | J                      | W                      | F                | -                      | F                | -                      | D                      | -                      | E                      | -                      | -                      |
| 90    | C                      | Q                | C                      | Q                | C                      | Q                      | Y                      | H                | -                      | H                | -                      | E                      | -                      | F                      | -                      | -                      |
| 100   | -                      | -                | -                      | -                | -                      | -                      | A                      | K                | A                      | K                | A                      | F                      | -                      | G                      | -                      | E                      |
| 112   | -                      | -                | -                      | -                | -                      | -                      | A                      | K                | A                      | K                | A                      | F                      | -                      | G                      | -                      | E                      |
| 132   | -                      | -                | -                      | -                | -                      | -                      | N                      | P                | C                      | M                | B                      | G                      | -                      | H                      | -                      | F                      |
| 160   | -                      | -                | -                      | -                | -                      | -                      | -                      | -                | E                      | P                | C                      | H                      | A                      | J                      | A                      | G                      |
| 180   | -                      | -                | -                      | -                | -                      | -                      | -                      | -                | -                      | -                | -                      | -                      | B                      | K                      | B                      | H                      |
| 200   | -                      | -                | -                      | -                | -                      | -                      | -                      | -                | -                      | -                | -                      | -                      | C                      | L                      | C                      | J                      |
| 225   | -                      | -                | -                      | -                | -                      | -                      | -                      | -                | -                      | -                | -                      | -                      | D                      | M                      | D                      | K                      |

### Triple Reduction Units

#### Integral Motor - Column 19 Entry - I

| Power   | C0331     |                        | C0431     |                        | C0531     |                        | C0631                  |                        | C0731     |                        |
|---------|-----------|------------------------|-----------|------------------------|-----------|------------------------|------------------------|------------------------|-----------|------------------------|
|         | 132 - 150 | 100 - 118<br>160 - 900 | 132 - 150 | 100 - 118<br>160 - 900 | 132 - 150 | 100 - 118<br>160 - 900 | 100 - 150<br>200 - 225 | 160 - 180<br>265 - 900 | 132 - 150 | 100 - 118<br>160 - 900 |
| 0.25 kW | •         | •                      | •         | •                      | •         | •                      | -                      | •                      | -         | -                      |
| 0.37 kW | •         | •                      | •         | •                      | •         | •                      | -                      | •                      | -         | -                      |
| 0.55 kW | •         | •                      | •         | •                      | •         | •                      | •                      | •                      | -         | •                      |
| 0.75 kW | •         | •                      | •         | •                      | •         | •                      | •                      | •                      | -         | •                      |
| 1.1 kW  | •         | -                      | •         | -                      | •         | -                      | •                      | -                      | •         | •                      |
| 1.5 kW  | •         | -                      | •         | -                      | •         | -                      | •                      | -                      | •         | •                      |
| 2.2 kW  | -         | -                      | -         | -                      | -         | -                      | -                      | -                      | •         | •                      |
| 3.0 kW  | -         | -                      | -         | -                      | -         | -                      | -                      | -                      | •         | •                      |
| 4.0 kW  | -         | -                      | -         | -                      | -         | -                      | -                      | -                      | •         | -                      |
| 5.5 kW  | -         | -                      | -         | -                      | -         | -                      | -                      | -                      | •         | -                      |
| 7.5 kW  | -         | -                      | -         | -                      | -         | -                      | -                      | -                      | -         | -                      |

#### Standard Motor IEC Flanges B14 - Column 12 Entry

| Motor | C0331     |                        | C0431     |                        | C0531     |                        | C0631                  |                        | C0731     |                        |
|-------|-----------|------------------------|-----------|------------------------|-----------|------------------------|------------------------|------------------------|-----------|------------------------|
|       | 132 - 150 | 100 - 118<br>160 - 900 | 132 - 150 | 100 - 118<br>160 - 900 | 132 - 150 | 100 - 118<br>160 - 900 | 100 - 150<br>200 - 225 | 160 - 180<br>265 - 900 | 132 - 150 | 100 - 118<br>160 - 900 |
| 71    | H         | H                      | H         | H                      | H         | H                      | -                      | H                      | -         | -                      |
| 80    | B         | K                      | B         | K                      | B         | K                      | B                      | K                      | -         | G                      |
| 90    | D         | R                      | D         | R                      | D         | R                      | D                      | R                      | Z         | J                      |
| 100   | E         | S                      | E         | S                      | E         | S                      | E                      | S                      | B         | L                      |
| 112   | -         | -                      | -         | -                      | -         | -                      | -                      | -                      | B         | L                      |

#### Standard Motor IEC Flanges B5 - Column 12 Entry

| Motor | C0331     |                        | C0431     |                        | C0531     |                        | C0631                  |                        | C0731     |                        |
|-------|-----------|------------------------|-----------|------------------------|-----------|------------------------|------------------------|------------------------|-----------|------------------------|
|       | 132 - 150 | 100 - 118<br>160 - 900 | 132 - 150 | 100 - 118<br>160 - 900 | 132 - 150 | 100 - 118<br>160 - 900 | 100 - 150<br>200 - 225 | 160 - 180<br>265 - 900 | 132 - 150 | 100 - 118<br>160 - 900 |
| 63    | F         | F                      | F         | F                      | F         | F                      | -                      | F                      | -         | V                      |
| 71    | G         | G                      | G         | G                      | G         | G                      | -                      | G                      | -         | D                      |
| 80    | A         | J                      | A         | J                      | A         | J                      | A                      | J                      | W         | F                      |
| 90    | C         | Q                      | C         | Q                      | C         | Q                      | C                      | Q                      | Y         | H                      |
| 100   | -         | -                      | -         | -                      | -         | -                      | -                      | -                      | A         | K                      |
| 112   | -         | -                      | -         | -                      | -         | -                      | -                      | -                      | A         | K                      |
| 132   | -         | -                      | -         | -                      | -         | -                      | -                      | -                      | N         | P                      |

### Quadruple Reduction Units

#### Integral Motor - Column 19 Entry - I

| Power   | C0341      | C0441      | C0541      | C0641      | C0741      | C0841 |       | C0941 |       | C1041 |       |
|---------|------------|------------|------------|------------|------------|-------|-------|-------|-------|-------|-------|
|         | All Ratios | All Ratios | All Ratios | All Ratios | All Ratios | 500   | 560 + | 500   | 560 + | 450   | 560 + |
| 0.25 kW | •          | •          | •          | •          | •          | -     | -     | -     | -     | -     | -     |
| 0.37 kW | •          | •          | •          | •          | •          | -     | -     | -     | -     | -     | -     |
| 0.55 kW | •          | •          | •          | •          | •          | -     | •     | -     | •     | -     | -     |
| 0.75 kW | •          | •          | •          | •          | •          | -     | •     | -     | •     | -     | -     |
| 1.1 kW  | -          | -          | -          | -          | -          | •     | •     | •     | •     | -     | •     |
| 1.5 kW  | -          | -          | -          | -          | -          | •     | •     | •     | •     | -     | •     |
| 2.2 kW  | -          | -          | -          | -          | -          | •     | •     | •     | •     | -     | •     |
| 3.0 kW  | -          | -          | -          | -          | -          | •     | •     | •     | •     | -     | •     |
| 4.0 kW  | -          | -          | -          | -          | -          | •     | -     | •     | -     | -     | •     |
| 5.5 kW  | -          | -          | -          | -          | -          | •     | -     | •     | -     | -     | •     |
| 7.5 kW  | -          | -          | -          | -          | -          | -     | -     | -     | -     | -     | •     |

#### Standard Motor IEC Flanges B14 - Column 12 Entry

| Motor | C0341      | C0441      | C0541      | C0641      | C0741      | C0841 |       | C0941 |       | C1041 |       |
|-------|------------|------------|------------|------------|------------|-------|-------|-------|-------|-------|-------|
|       | All Ratios | All Ratios | All Ratios | All Ratios | All Ratios | 500   | 560 + | 500   | 560 + | 450   | 560 + |
| 71    | H          | H          | H          | H          | H          | -     | -     | -     | -     | -     | -     |
| 80    | K          | K          | K          | K          | K          | -     | G     | -     | G     | -     | G     |
| 90    | R          | R          | R          | R          | R          | Z     | J     | Z     | J     | -     | J     |
| 100   | S          | S          | S          | S          | S          | B     | L     | B     | L     | B     | L     |
| 112   | -          | -          | -          | -          | -          | B     | L     | B     | L     | B     | L     |
| 132   | -          | -          | -          | -          | -          | -     | -     | -     | -     | D     | N     |

#### Standard Motor IEC Flanges B5 - Column 12 Entry

| Motor | C0341      | C0441      | C0541      | C0641      | C0741      | C0841 |       | C0941 |       | C1041 |      |
|-------|------------|------------|------------|------------|------------|-------|-------|-------|-------|-------|------|
|       | All Ratios | All Ratios | All Ratios | All Ratios | All Ratios | 500   | 560 + | 500   | 560 + | 450   | 560+ |
| 63    | F          | F          | F          | F          | F          | -     | V     | -     | V     | -     | -    |
| 71    | G          | G          | G          | G          | G          | -     | D     | -     | D     | -     | -    |
| 80    | J          | J          | J          | J          | J          | W     | F     | W     | F     | -     | F    |
| 90    | Q          | Q          | Q          | Q          | Q          | Y     | H     | Y     | H     | -     | H    |
| 100   | -          | -          | -          | -          | -          | A     | K     | A     | K     | A     | K    |
| 112   | -          | -          | -          | -          | -          | A     | K     | A     | K     | K     | K    |
| 132   | -          | -          | -          | -          | -          | N     | P     | N     | P     | C     | M    |
| 160   | -          | -          | -          | -          | -          | -     | -     | -     | -     | E     | -    |

### Lubricant and Quantity

Unit sizes C03, 04, 05 and 06 are factory filled with a grade 7G lubricant.

Unit sizes C07, 08, 09 and 10 will be despatched without oil.

The oil grade is stamped on the name plate and the oil level should be established by filling until the oil escapes via the level plug,

The grade and level are determined from the operating speed of the gear unit and the ambient temperature range, which if not given when ordering will be assumed to be 1450 rev / min input and ambient temperature range 20 to 50°C. Oil grades and oil level should always be checked before installation, Consult the Installation and Maintenance instructions provided with the gear unit.

To determine the oil grade refer to table 1, and then refer to the Installation and Maintenance instructions to select an approved lubricant

To determine the oil capacity refer to appropriate table 2 or 3. Oil capacities are only approximate and units should be filled until oil escapes from the level plug holes. Do not overfill as excess will cause overheating and leakage.

Always fill with correct lubricant as marked on the nameplate. Never mix lubricant grades.

See Installation and Maintenance instructions for for lists of approved lubricants within the grades.

 If not stated with the order these are the operating conditions that will be assumed

**Table 1 Series C oil grades**

| Gear unit details |              |                       | Ambient temperature range |            |             |
|-------------------|--------------|-----------------------|---------------------------|------------|-------------|
| Type              | Ratio        | Input Speed (Rev/min) | -30°C - 20°C              | 0°C - 35°C | 20°C - 50°C |
| Doubles           | 8 - 18       | 0 - 750               | 6G                        | 6G         | 8G          |
|                   |              | 0>750 - 2000          | 5G                        | 6G         | 7G          |
|                   |              | >2000 - 3000          | 4G                        | 6G         | 6G          |
|                   | 20 - 36      | 0 - 2000              | 6G                        | 6G         | 8G          |
|                   |              | >2000 - 3000          | 5G                        | 6G         | 7G          |
|                   | 40 - 250     | 0 - 3000              | 6G                        | 6G         | 8G          |
| Quadruples        | < - 2800     | 0 - 750               | 6G                        | 7G         | 9G          |
|                   |              | >750 - 3000           | 6G                        | 6G         | 8G          |
|                   | 3200 - 16000 | 0 - 3000              | 6G                        | 7G         | 9G          |

\* For other ambient temperatures please refer to our Application Engineers.

**Table 2 lubricant quantity (Litres) (double reduction and final stage quadruple reduction)**

| Double, Triple & Final stage Quadruple Reduction |   |           |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------------------------------|---|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Size                                             |   | C0321     | C0331 | C0421 | C0431 | C0521 | C0531 | C0621 | C0631 | C0721 | C0731 | C0821 | C0921 | C1021 |
| Mounting position                                | 1 | Level 1 * | 0.3   | 0.4   | 0.4   | 0.5   | 0.7   | 0.9   | 1.5   | 2.1   | 4.5   | 4.8   | 7.1   | 28    |
|                                                  |   | Level 2 * |       |       |       |       |       |       |       |       | 3.0   | 3.8   | 5.9   | 17    |
|                                                  | 2 |           | 0.5   | 0.8   | 0.7   | 0.9   | 1.0   | 1.4   | 2.3   | 2.5   | 3.5   | 3.7   | 6.2   | 21    |
|                                                  | 3 |           | 0.5   | 0.8   | 0.7   | 0.9   | 1.0   | 1.4   | 2.2   | 2.5   | 3.5   | 3.7   | 6.2   | 21    |
|                                                  | 4 | Level 1 * | 0.7   | 1.2   | 1.0   | 1.5   | 1.4   | 2.1   | 3.1   | 4.0   | 5.1   | 5.9   | 9.5   | 26    |
|                                                  |   | Level 2 * |       |       |       |       |       |       |       |       | 3.0   | 3.6   | 4.8   | 14    |
|                                                  | 5 |           | 0.6   | 1.0   | 0.9   | 1.3   | 1.4   | 2.0   | 3.0   | 4.6   | 5.6   | 6.6   | 9.6   | 31    |
|                                                  | 6 | Level 1 * | 0.7   | 1.2   | 1.0   | 1.5   | 1.4   | 1.9   | 3.2   | 4.0   | 7.4   | 9.2   | 12    | 42    |
|                                                  |   | Level 2 * |       |       |       |       |       |       |       |       | 5.1   | 6.9   | 9.5   | 28    |

\* Use Level 1 for output speeds lower than 100 rpm

\* Use Level 2 for output speeds of 100 rpm and higher.

**Table 3 lubricant quantity (Litres) (primary stage quadruple reduction)**

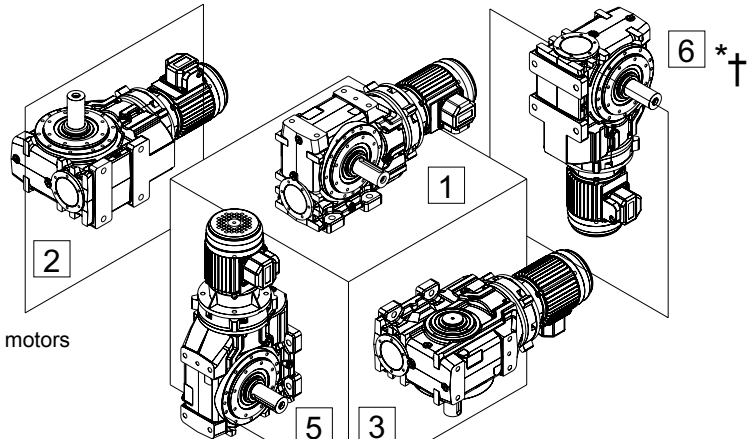
| Primary stage quadruple reduction                  |        |       |       |       |       |       |       |       |
|----------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Size                                               | C0341  | C0441 | C0541 | C0641 | C0741 | C0841 | C0941 | C1041 |
| Secondary unit<br>(Lubricant quantity see table 2) | C0321  | C0421 | C0521 | C0621 | C0721 | C0821 | C0921 | C1021 |
| Primary unit                                       | M0122  | M0122 | M0122 | M0322 | M0322 | M0522 | M0522 | M0722 |
| Primary Quantity<br>(unit lubricant)               | 1 to 4 | 0.5   | 0.5   | 0.5   | 0.8   | 0.8   | 1.5   | 2.6   |
|                                                    | 5 & 6  | 1.0   | 1.0   | 1.0   | 1.4   | 1.4   | 2.6   | 4.7   |

• Unit filled with Grade 7G lubricant suitable for all ambient temperatures between 20°C to 50°C and are 'lubricated for life'

# SERIES C

## MOUNTING POSITIONS

### Column 13 Entry

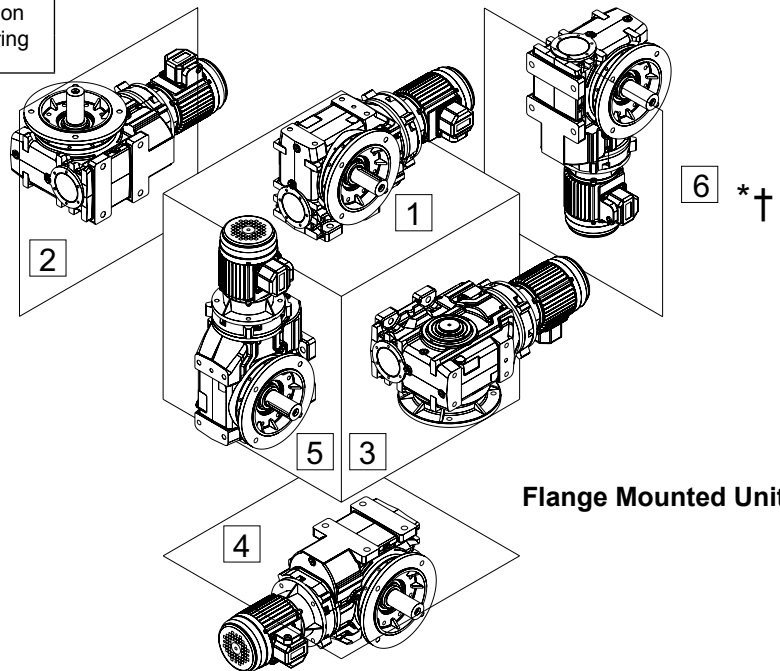


\* Mounting Position 6 is not recommended for geared motors  
- Consult Application Engineering

† Gear Units for use in mounting positions 5 and 6 should only be selected with overall ratios greater or equal to those shown in table below

| Size    | Input speed (RPM) |      |      |                                 |
|---------|-------------------|------|------|---------------------------------|
|         | 1000              | 1500 | 1800 | >1800                           |
| C03-C08 | All               | All  | All  | Consult application engineering |
| C09     | 18:1              | 18:1 | 25:1 |                                 |
| C10     | 18:1              | 40:1 | 63:1 |                                 |

**Base Mounted Units**

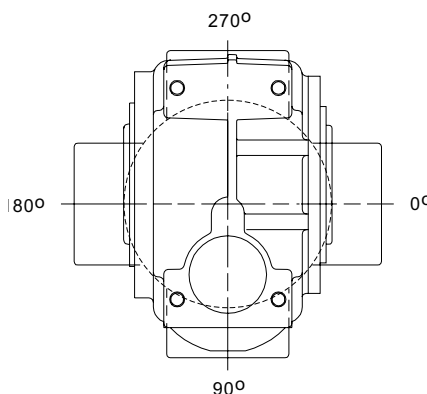


**Flange Mounted Units**

### Mounting Positions- Shown as Motorised - Applies also for Reducers

#### **COLUMN 14 ENTRY**

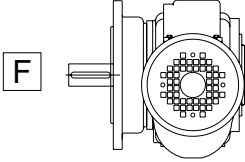
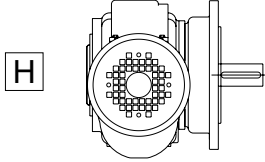
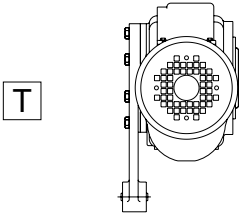
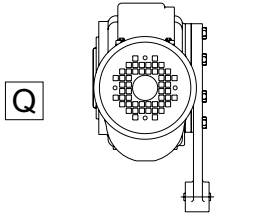
All motors

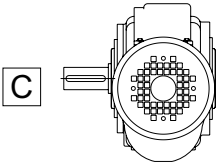
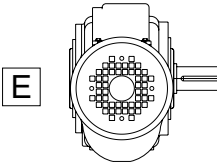
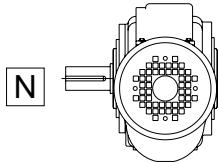
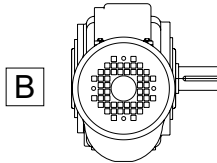
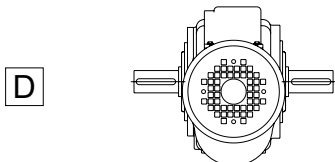
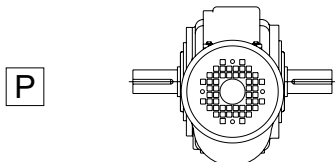
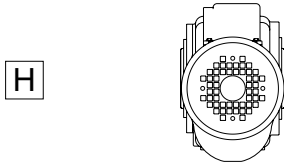
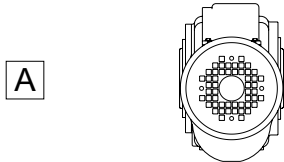


| Column 14 entry | Terminal box position      |
|-----------------|----------------------------|
| A               | 0°                         |
| B               | 90°                        |
| C               | 180°                       |
| D               | 270°                       |
| -               | Reducer or no motor fitted |

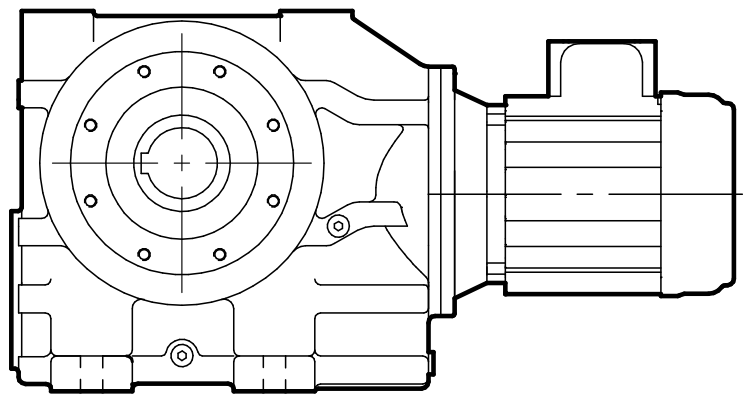
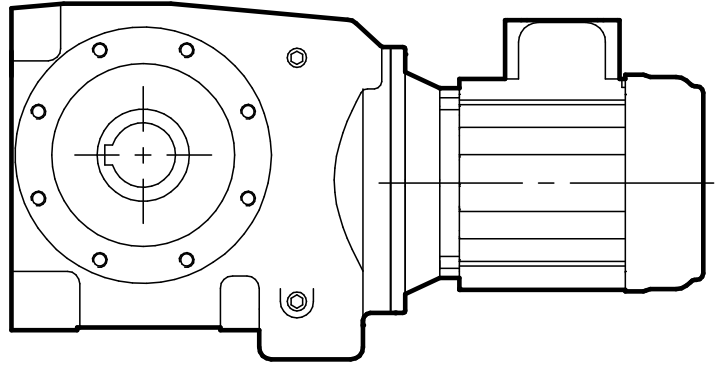
# SERIES C

## UNIT HANDINGS

| Column 9 entry               | Left                                                                               | Right                                                                               |
|------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Std unit with foutput flange |  |  |
| Std unit with Torque bracket |  |  |

| Column entry 11     | Metric                                                                              |                                                                                     | Inch                                                                                  |                                                                                       |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                     | Left                                                                                | Right                                                                               | Left                                                                                  | Right                                                                                 |
| Single output shaft |  |  |   |  |
| Double output shaft |  |                                                                                     |  |                                                                                       |
| Hollow shaft        |  |                                                                                     |  |                                                                                       |



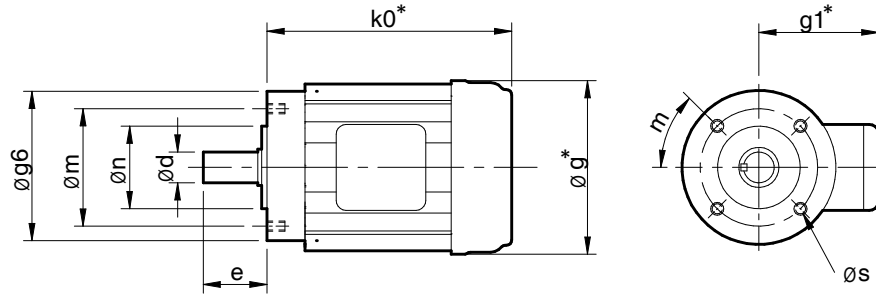


# MOTORISED SERIES C

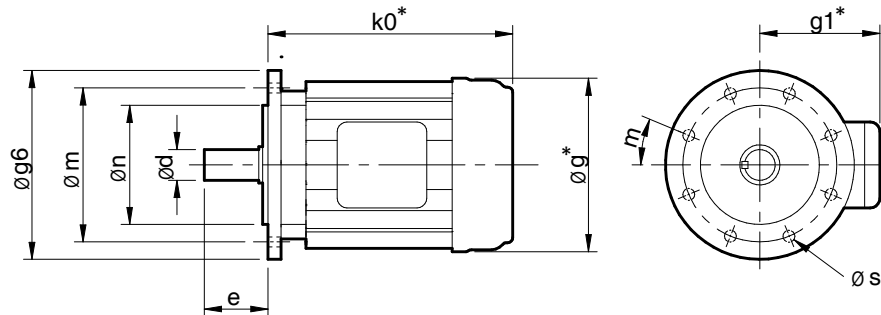


# SERIES C

## MOTOR DETAILS

**B14 'C' face**


| Size | $\phi g_6$ | $\phi m$ | $\phi n$ | $\phi d$ | e  | ko  | $\phi g$ | g1  | m      | $\phi s$ |
|------|------------|----------|----------|----------|----|-----|----------|-----|--------|----------|
| 71   | 105        | 85       | 70       | 14       | 30 | 210 | 140      | 107 | 45 deg | 4xM6     |
| 80   | 120        | 100      | 80       | 19       | 40 | 242 | 158      | 125 | 45 deg | 4xM6     |
| 90S  | 140        | 115      | 95       | 24       | 50 | 269 | 180      | 133 | 45 deg | 4xM8     |
| 90L  | 140        | 115      | 95       | 24       | 50 | 294 | 180      | 133 | 45 deg | 4xM8     |
| 100L | 160        | 130      | 110      | 28       | 60 | 314 | 198      | 153 | 45 deg | 4xM8     |
| 112M | 160        | 130      | 110      | 28       | 60 | 338 | 222      | 168 | 45 deg | 4xM8     |

**B5 'D' face**


| Size | $\phi g_6$ | $\phi m$ | $\phi n$ | $\phi d$ | e   | ko   | $\phi g$ | g1  | m        | $\phi s$ |
|------|------------|----------|----------|----------|-----|------|----------|-----|----------|----------|
| 63   | 140        | 115      | 95       | 11       | 23  | 183  | 124      | 100 | 45 deg   | 4x10     |
| 71   | 160        | 130      | 110      | 14       | 30  | 210  | 140      | 107 | 45 deg   | 4x10     |
| 80   | 200        | 165      | 130      | 19       | 40  | 242  | 158      | 125 | 45 deg   | 4x12     |
| 90S  | 200        | 165      | 130      | 24       | 50  | 269  | 180      | 133 | 45 deg   | 4x12     |
| 90L  | 200        | 165      | 130      | 24       | 50  | 294  | 180      | 133 | 45 deg   | 4x12     |
| 100L | 250        | 215      | 180      | 28       | 60  | 314  | 198      | 153 | 45 deg   | 4x15     |
| 112M | 250        | 215      | 180      | 28       | 60  | 338  | 222      | 168 | 45 deg   | 4x15     |
| 132S | 300        | 265      | 230      | 38       | 80  | 371  | 262      | 185 | 45 deg   | 4x15     |
| 132M | 300        | 265      | 230      | 38       | 80  | 409  | 262      | 185 | 45 deg   | 4x15     |
| 160M | 350        | 300      | 250      | 42       | 110 | 479  | 314      | 216 | 45 deg   | 4x19     |
| 160L | 350        | 300      | 250      | 42       | 110 | 523  | 314      | 216 | 45 deg   | 4x19     |
| 180M | 350        | 300      | 250      | 48       | 110 | 545  | 354      | 236 | 45 deg   | 4x19     |
| 180L | 350        | 300      | 250      | 48       | 110 | 583  | 354      | 236 | 45 deg   | 4x19     |
| 200L | 400        | 350      | 300      | 55       | 110 | 650  | 395      | 276 | 45 deg   | 4x19     |
| 225S | 450        | 400      | 350      | 60       | 140 | 695  | 435      | 297 | 22.5 deg | 8x19     |
| 225M | 450        | 400      | 350      | 60       | 140 | 695  | 435      | 297 | 22.5 deg | 8x19     |
| 250M | 550        | 500      | 450      | 65       | 140 | 790  | 481      | 319 | 22.5 deg | 8x24     |
| 280S | 550        | 500      | 450      | 75       | 140 | 900  | 543      | 426 | 22.5 deg | 8x24     |
| 280M | 550        | 500      | 450      | 75       | 140 | 900  | 543      | 426 | 22.5 deg | 8x24     |
| 315S | 660        | 600      | 550      | 80       | 170 | 1015 | 621      | 452 | 22.5 deg | 8x24     |
| 315M | 660        | 600      | 550      | 80       | 170 | 1015 | 621      | 452 | 22.5 deg | 8x24     |
| 315L | 660        | 600      | 550      | 80       | 170 | 1178 | 621      | 452 | 22.5 deg | 8x24     |

\* Dimension for own brand standard motors. These may vary if alternative motor is fitted.

## ADDITIONAL MOTOR FEATURES

| <b>RADICON POWERBUILD motor features - Column 19 Entry</b> |                                                     |
|------------------------------------------------------------|-----------------------------------------------------|
| Column 19 Entry                                            | Feature                                             |
| A                                                          | Standard Motor                                      |
| B                                                          | Brake Motor (with MRL)                              |
| C                                                          | Flame Proof (Consult PBL Design for Detail)         |
| D                                                          | Brake + Flame Proof (Consult PBL Design for Detail) |
| E                                                          | Non Std. Voltage                                    |
| F                                                          | Non std. Frequency                                  |
| G                                                          | Non Std. Voltage And Frequency                      |
| H                                                          | Crane Duty Motor                                    |
| I                                                          | Integral Motor                                      |
| J                                                          | Crane duty + Brake Motor + VVFD                     |
| K                                                          | VVFD + Brake Option                                 |
| L                                                          | VVFD Only                                           |
| M                                                          | IE 2/Eff 1                                          |
| N                                                          | Dual Speed                                          |
| V                                                          | Crane duty + Brake Motor                            |
| W                                                          | NDE shaft extn.                                     |
| O                                                          | Special feature except all above                    |
| S                                                          | Special Motor (Other than above)                    |

Standard motor consists of 3Ø, Squirrel Cage, 415 V+/-10%, 50 Hz +/-5%, TEFC, IP 55, S1 Duty, Amb. Temp. 50° C, F Class Insulation limited to B Class

## ADDITIONAL GEARBOX FEATURES

### Additional Gearbox Features- Column 20 Entry

| Column 20 entry | Double Oil Seals<br>on Output Shaft | * Motorised Backstop |              | Special |
|-----------------|-------------------------------------|----------------------|--------------|---------|
|                 |                                     | CW Rotation          | CCW Rotation |         |
| -               |                                     |                      |              |         |
| A               | •                                   |                      |              |         |
| D               |                                     | •                    |              |         |
| E               | •                                   | •                    |              |         |
| H               |                                     |                      | •            |         |
| I               | •                                   |                      | •            |         |
| L               |                                     |                      |              | •       |

Please refer to our Application Engineers for details of the following additional gearbox features

- Prime paint only
- Wash down
- BISSC compatible
- Special oil (food compatible, bio-degradable, different viscosities etc)

\* IEC B5 frame sizes 100 - 200



# SERIES C

## SELECTION TABLE

## GEARED MOTORS

**0.12 kW**

4 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 158             | 8.59   | 6                | 13.44             | 2860             | C 0 3 2 1 8 . 0 _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 14.5                         | 63            |
| 117             | 11.61  | 8                | 10.86             | 2860             | 1 1 .                                                                                                                                                                                      |                              |               |
| 103             | 13.20  | 9                | 9.93              | 2860             | 1 2 .                                                                                                                                                                                      |                              |               |
| 91              | 14.95  | 10               | 9.07              | 2860             | 1 4 .                                                                                                                                                                                      |                              |               |
| 83              | 16.36  | 10               | 8.68              | 2860             | 1 6 .                                                                                                                                                                                      |                              |               |
| 71              | 19.12  | 13               | 7.61              | 2860             | 1 8 .                                                                                                                                                                                      |                              |               |
| 66              | 20.61  | 14               | 7.21              | 2860             | 2 0 .                                                                                                                                                                                      |                              |               |
| 62              | 22.11  | 13               | 7.10              | 2860             | 2 2 .                                                                                                                                                                                      |                              |               |
| 54              | 25.14  | 15               | 6.50              | 2860             | 2 5 .                                                                                                                                                                                      |                              |               |
| 48              | 28.48  | 16               | 5.98              | 2860             | 2 8 .                                                                                                                                                                                      |                              |               |
| 40              | 33.71  | 22               | 5.03              | 2850             | 3 2 .                                                                                                                                                                                      |                              |               |
| 37              | 36.43  | 21               | 5.04              | 2850             | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 39.26  | 22               | 4.80              | 2850             | 4 0 .                                                                                                                                                                                      |                              |               |
| 30              | 45.50  | 30               | 4.05              | 2850             | 4 5 .                                                                                                                                                                                      |                              |               |
| 26              | 53.31  | 35               | 3.63              | 2840             | 5 0 .                                                                                                                                                                                      |                              |               |
| 24              | 56.19  | 32               | 3.74              | 2850             | 5 6 .                                                                                                                                                                                      |                              |               |
| 21              | 64.21  | 36               | 3.42              | 2840             | 6 3 .                                                                                                                                                                                      |                              |               |
| 18              | 74.55  | 48               | 2.98              | 2840             | 7 1 .                                                                                                                                                                                      |                              |               |
| 16              | 82.83  | 53               | 2.76              | 2830             | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 86.67  | 48               | 2.89              | 2840             | 9 0 .                                                                                                                                                                                      |                              |               |
| 13              | 101.54 | 55               | 2.57              | 2830             | 1 0 0                                                                                                                                                                                      |                              |               |
| 12              | 114.33 | 72               | 1.78              | 2820             | 1 1 2                                                                                                                                                                                      |                              |               |
| 10              | 129.94 | 82               | 1.54              | 2820             | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 142.00 | 75               | 1.96              | 2820             | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.6             | 157.78 | 83               | 1.78              | 2820             | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.2             | 217.78 | 113              | 1.31              | 2800             | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.5             | 247.50 | 127              | 1.16              | 2800             | 2 5 0                                                                                                                                                                                      |                              |               |
| 13.0            | 105.36 | 65               | 2.26              | 2830             | C 0 3 3 1 1 0 0 _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 17.5                         | 63            |
| 11              | 120.39 | 75               | 1.99              | 2820             | 1 1 8                                                                                                                                                                                      |                              |               |
| 10              | 130.10 | 68               | 2.16              | 2830             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.21 | 73               | 2.03              | 2820             | 1 5 0                                                                                                                                                                                      |                              |               |
| 8.4             | 162.50 | 100              | 1.49              | 2810             | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.1             | 190.38 | 116              | 1.27              | 2800             | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.8             | 200.68 | 103              | 1.45              | 2810             | 2 0 0                                                                                                                                                                                      |                              |               |
| 5.9             | 229.32 | 116              | 1.27              | 2800             | 2 2 5                                                                                                                                                                                      |                              |               |
| 5.1             | 266.25 | 161              | 0.92              | 2780             | 2 6 5                                                                                                                                                                                      |                              |               |
| 4.6             | 295.83 | 178              | 0.84              | 2770             | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.4             | 309.52 | 154              | 0.96              | 2780             | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.8             | 362.64 | 179              | 0.83              | 2770             | 3 6 0                                                                                                                                                                                      |                              |               |
| 16              | 82.83  | 53               | 3.56              | 5290             | C 0 4 2 1 8 0 . _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 16.5                         | 63            |
| 12              | 114.33 | 72               | 1.78              | 5290             | 1 1 2                                                                                                                                                                                      |                              |               |
| 10              | 129.94 | 83               | 1.54              | 5290             | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 142.00 | 77               | 3.25              | 5290             | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.6             | 157.78 | 85               | 3.01              | 5290             | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.2             | 217.78 | 115              | 1.78              | 5290             | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.5             | 247.50 | 130              | 1.54              | 5280             | 2 5 0                                                                                                                                                                                      |                              |               |
| 13              | 105.36 | 67               | 3.04              | 5290             | C 0 4 3 1 1 0 0 _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 20.5                         | 63            |
| 11              | 120.39 | 76               | 2.66              | 5290             | 1 1 8                                                                                                                                                                                      |                              |               |
| 10              | 130.10 | 70               | 3.40              | 5290             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.21 | 75               | 3.25              | 5290             | 1 5 0                                                                                                                                                                                      |                              |               |
| 8.4             | 162.50 | 102              | 1.97              | 5290             | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.1             | 190.38 | 118              | 1.69              | 5290             | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.8             | 200.68 | 105              | 2.61              | 5290             | 2 0 0                                                                                                                                                                                      |                              |               |
| 5.9             | 229.32 | 120              | 2.31              | 5290             | 2 2 5                                                                                                                                                                                      |                              |               |
| 5.1             | 266.25 | 164              | 1.20              | 5270             | 2 6 5                                                                                                                                                                                      |                              |               |
| 4.6             | 295.83 | 181              | 1.09              | 5270             | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.4             | 309.52 | 159              | 1.74              | 5280             | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.8             | 362.64 | 185              | 1.50              | 5270             | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.7             | 507.14 | 254              | 1.09              | 5240             | 5 0 0                                                                                                                                                                                      |                              |               |
| 5.7             | 240.00 | 131              | 3.67              | 7440             | C 0 5 2 1 2 5 0 _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 18.5                         | 63            |
| 8.5             | 160.26 | 103              | 3.82              | 7440             | C 0 5 3 1 1 6 0 _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 21.5                         | 63            |
| 7.2             | 187.76 | 120              | 3.27              | 7440             | 1 8 0                                                                                                                                                                                      |                              |               |
| 5.9             | 229.81 | 125              | 3.85              | 7440             | 2 2 5                                                                                                                                                                                      |                              |               |
| 5.2             | 262.58 | 165              | 2.34              | 7440             | 2 6 5                                                                                                                                                                                      |                              |               |
| 4.7             | 291.75 | 183              | 2.11              | 7440             | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.4             | 310.18 | 165              | 2.91              | 7440             | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.7             | 363.40 | 192              | 2.50              | 7440             | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.4             | 402.70 | 251              | 1.53              | 7440             | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.0             | 457.66 | 285              | 1.34              | 7440             | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.7             | 508.21 | 264              | 1.82              | 7440             | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.4             | 564.68 | 292              | 1.65              | 7440             | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.7             | 779.42 | 397              | 1.21              | 7430             | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.5             | 885.79 | 450              | 1.07              | 7420             | 9 0 0                                                                                                                                                                                      |                              |               |
| 4.5             | 299.67 | 200              | 3.83              | 11800            | C 0 6 3 1 2 8 0 _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 37.5                         | 63            |
| 3.8             | 357.32 | 200              | 3.83              | 11900            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.4             | 395.39 | 262              | 2.92              | 11800            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.0             | 449.50 | 296              | 2.59              | 11800            | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.6             | 514.75 | 281              | 2.72              | 11800            | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.3             | 580.00 | 315              | 2.43              | 11800            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.8             | 765.28 | 410              | 1.87              | 11700            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 870.00 | 462              | 1.66              | 11700            | 9 0 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.12 kW**

4 POLE

**0.12 kW**

6 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 1.3             | 1021.77 | 655              | 1.17              | 11402            | C 0 6 4 1 1 0 C _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 50.5                         | 63            |
| 1.2             | 1110.85 | 711              | 1.08              | 11402            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.0             | 1299.84 | 815              | 0.94              | 11402            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.91            | 1495.14 | 937              | 0.82              | 11402            | 1 4 C                                                                                                                                                                                      |                              |               |
| 2.7             | 499.88  | 321              | 3.95              | 29200            | C 0 7 3 1 5 0 0 _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 84.5                         | 63            |
| 2.5             | 547.35  | 350              | 3.62              | 29200            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.8             | 747.66  | 471              | 2.67              | 29200            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 838.50  | 526              | 2.39              | 29200            | 9 0 0                                                                                                                                                                                      |                              |               |
| 1.3             | 1009.20 | 679              | 1.97              | 28931            | C 0 7 4 1 1 0 C _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 88.5                         | 63            |
| 1.2             | 1097.19 | 738              | 1.82              | 28931            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.1             | 1213.28 | 806              | 1.66              | 28931            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.97            | 1395.57 | 926              | 1.45              | 28931            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.90            | 1517.24 | 1006             | 1.33              | 28931            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.82            | 1661.54 | 1097             | 1.22              | 28931            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.68            | 1994.66 | 1314             | 1.02              | 28931            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.62            | 2185.71 | 1441             | 0.93              | 28931            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.55            | 2462.77 | 1619             | 0.83              | 28931            | 2 5 C                                                                                                                                                                                      |                              |               |
| 1.3             | 1083.79 | 737              | 3.86              | 41656            | C 0 8 4 1 1 1 C _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 141.5                        | 63            |
| 1.1             | 1191.45 | 812              | 3.34              | 41656            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.97            | 1404.96 | 954              | 2.84              | 41656            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.89            | 1532.14 | 1030             | 3.18              | 41545            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.72            | 1901.25 | 1276             | 2.57              | 41545            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.65            | 2088.45 | 1396             | 2.40              | 41545            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.61            | 2241.96 | 1501             | 2.18              | 41545            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.55            | 2462.71 | 1643             | 2.04              | 41545            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.50            | 2696.62 | 1797             | 1.87              | 41545            | 2 8 C                                                                                                                                                                                      |                              |               |
| 0.41            | 3304.80 | 2194             | 1.53              | 41545            | 3 2 C                                                                                                                                                                                      |                              |               |
| 0.36            | 3760.71 | 2492             | 1.31              | 41545            | 3 6 C                                                                                                                                                                                      |                              |               |
| 0.71            | 1908.45 | 1307             | 3.77              | 53383            | C 0 9 4 1 1 8 C _ M _ _ _ . 1 2 A - -                                                                                                                                                      | 209.5                        | 63            |
| 0.65            | 2106.88 | 1440             | 3.44              | 53383            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.60            | 2250.46 | 1538             | 3.20              | 53383            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.55            | 2484.44 | 1694             | 2.92              | 53383            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.50            | 2720.42 | 1852             | 2.67              | 53383            | 2 8 C                                                                                                                                                                                      |                              |               |
| 0.41            | 3333.96 | 2262             | 2.19              | 53383            | 3 2 C                                                                                                                                                                                      |                              |               |
| 0.36            | 3774.96 | 2554             | 1.93              | 53383            | 3 6 C                                                                                                                                                                                      |                              |               |
| 101             | 8.59    | 9                | 9.52              | 2860             | C 0 3 2 1 8 . 0 _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 14.5                         | 63            |
| 75              | 11.61   | 12               | 7.78              | 2860             | 1 1 .                                                                                                                                                                                      |                              |               |
| 66              | 13.20   | 14               | 7.04              | 2860             | 1 2 .                                                                                                                                                                                      |                              |               |
| 58              | 14.95   | 15               | 6.45              | 2860             | 1 4 .                                                                                                                                                                                      |                              |               |
| 53              | 16.36   | 15               | 6.26              | 2860             | 1 6 .                                                                                                                                                                                      |                              |               |
| 45              | 19.12   | 20               | 5.38              | 2850             | 1 8 .                                                                                                                                                                                      |                              |               |
| 42              | 20.61   | 21               | 5.11              | 2850             | 2 0 .                                                                                                                                                                                      |                              |               |
| 39              | 22.11   | 20               | 5.11              | 2850             | 2 2 .                                                                                                                                                                                      |                              |               |
| 35              | 25.14   | 22               | 4.67              | 2850             | 2 5 .                                                                                                                                                                                      |                              |               |
| 31              | 28.48   | 25               | 4.29              | 2850             | 2 8 .                                                                                                                                                                                      |                              |               |
| 26              | 33.71   | 34               | 3.59              | 2850             | 3 2 .                                                                                                                                                                                      |                              |               |
| 24              | 36.43   | 32               | 3.61              | 2850             | 3 6 .                                                                                                                                                                                      |                              |               |
| 22              | 39.26   | 34               | 3.43              | 2850             | 4 0 .                                                                                                                                                                                      |                              |               |
| 19              | 45.50   | 46               | 2.98              | 2840             | 4 5 .                                                                                                                                                                                      |                              |               |
| 16              | 53.31   | 53               | 2.70              | 2830             | 5 0 .                                                                                                                                                                                      |                              |               |
| 15              | 56.19   | 49               | 2.67              | 2840             | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.21   | 55               | 2.44              | 2830             | 6 3 .                                                                                                                                                                                      |                              |               |
| 12              | 74.55   | 74               | 2.01              | 2820             | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 82.83   | 81               | 1.82              | 2820             | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 86.67   | 73               | 2.04              | 2830             | 9 0 .                                                                                                                                                                                      |                              |               |
| 8.6             | 101.54  | 84               | 1.76              | 2820             | 1 0 0                                                                                                                                                                                      |                              |               |
| 7.6             | 114.33  | 112              | 1.14              | 2800             | 1 1 2                                                                                                                                                                                      |                              |               |
| 6.7             | 129.94  | 126              | 0.99              | 2800             | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.1             | 142.00  | 116              | 1.28              | 2800             | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.5             | 157.78  | 128              | 1.16              | 2800             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.0             | 217.78  | 174              | 0.85              | 2770             | 2 1 2                                                                                                                                                                                      |                              |               |
| 8.3             | 105.36  | 102              | 1.46              | 2810             | C 0 3 3 1 1 0 0 _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 17.5                         | 63            |
| 7.2             | 120.39  | 116              | 1.28              | 2800             | 1 1 8                                                                                                                                                                                      |                              |               |
| 6.7             | 130.10  | 104              | 1.42              | 2810             | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.2             | 140.21  | 112              | 1.32              | 2800             | 1 5 0                                                                                                                                                                                      |                              |               |
| 5.4             | 162.50  | 155              | 0.96              | 2780             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.6             | 190.38  | 181              | 0.82              | 2770             | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.3             | 200.68  | 157              | 0.94              | 2780             | 2 0 0                                                                                                                                                                                      |                              |               |
| 3.8             | 229.32  | 179              | 0.83              | 2770             | 2 2 5                                                                                                                                                                                      |                              |               |
| 16              | 53.31   | 54               | 3.78              | 5290             | C 0 4 2 1 5 0 . _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 16.5                         | 63            |
| 14              | 64.21   | 56               | 3.90              | 5290             | 6 3 .                                                                                                                                                                                      |                              |               |
| 12              | 74.55   | 74               | 2.71              | 5290             | 7 1 .                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**012.kW**

6 POLE

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 11              | 82.83   | 82               | 2.28              | 5290             | C 0 4 2 1 8 0 . _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 16.5                         | 63            |
| 10              | 86.67   | 74               | 3.31              | 5290             | 9 0 .                                                                                                                                                                                      |                              |               |
| 8.6             | 101.54  | 86               | 2.95              | 5290             | 1 0 0                                                                                                                                                                                      |                              |               |
| 7.6             | 114.33  | 113              | 1.14              | 5290             | 1 1 2                                                                                                                                                                                      |                              |               |
| 6.7             | 129.94  | 127              | 0.99              | 5280             | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.1             | 142.00  | 118              | 2.35              | 5290             | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.5             | 157.78  | 130              | 2.13              | 5280             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.0             | 217.78  | 176              | 1.14              | 5270             | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.5             | 247.50  | 198              | 0.99              | 5260             | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.3             | 105.36  | 103              | 1.94              | 5290             | C 0 4 3 1 1 0 0 _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 20.5                         | 63            |
| 7.2             | 120.39  | 117              | 1.70              | 5290             | 1 1 8                                                                                                                                                                                      |                              |               |
| 6.7             | 130.10  | 107              | 2.55              | 5290             | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.2             | 140.21  | 115              | 2.40              | 5290             | 1 5 0                                                                                                                                                                                      |                              |               |
| 5.4             | 162.50  | 156              | 1.26              | 5280             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.6             | 190.38  | 182              | 1.08              | 5270             | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.3             | 200.68  | 162              | 1.71              | 5280             | 2 0 0                                                                                                                                                                                      |                              |               |
| 3.8             | 229.32  | 184              | 1.51              | 5270             | 2 2 5                                                                                                                                                                                      |                              |               |
| 2.8             | 309.52  | 243              | 1.14              | 5250             | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.4             | 362.64  | 283              | 0.98              | 5240             | 3 6 0                                                                                                                                                                                      |                              |               |
| 8.0             | 109.07  | 111              | 3.49              | 7440             | C 0 5 2 1 1 1 2 _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 18.5                         | 63            |
| 7.0             | 124.00  | 125              | 3.04              | 7440             | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.1             | 142.00  | 122              | 3.93              | 7440             | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.4             | 160.00  | 136              | 3.52              | 7440             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.1             | 211.11  | 178              | 2.70              | 7440             | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.6             | 240.00  | 200              | 2.40              | 7440             | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.4             | 103.90  | 105              | 3.76              | 7440             | C 0 5 3 1 1 0 0 _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 21.5                         | 63            |
| 7.3             | 118.73  | 119              | 3.29              | 7440             | 1 1 8                                                                                                                                                                                      |                              |               |
| 5.4             | 160.26  | 159              | 2.45              | 7440             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.6             | 187.76  | 186              | 2.08              | 7440             | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.3             | 201.10  | 168              | 2.85              | 7440             | 2 0 0                                                                                                                                                                                      |                              |               |
| 3.8             | 229.81  | 191              | 2.51              | 7440             | 2 2 5                                                                                                                                                                                      |                              |               |
| 3.3             | 262.58  | 257              | 1.50              | 7440             | 2 6 5                                                                                                                                                                                      |                              |               |
| 3.0             | 291.75  | 284              | 1.35              | 7440             | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.8             | 310.18  | 254              | 1.90              | 7440             | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.4             | 363.40  | 295              | 1.63              | 7440             | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.2             | 402.70  | 391              | 0.97              | 7430             | 4 0 0                                                                                                                                                                                      |                              |               |
| 1.9             | 457.66  | 441              | 0.86              | 7420             | 4 5 0                                                                                                                                                                                      |                              |               |
| 1.7             | 508.21  | 406              | 1.19              | 7430             | 5 0 0                                                                                                                                                                                      |                              |               |
| 1.5             | 564.68  | 449              | 1.07              | 7420             | 5 6 0                                                                                                                                                                                      |                              |               |
| 7.0             | 124.00  | 132              | 3.95              | 11900            | C 0 6 2 1 1 2 5 _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 32.5                         | 63            |
| 3.6             | 240.00  | 211              | 3.62              | 11900            | 2 5 0                                                                                                                                                                                      |                              |               |
| 4.7             | 184.62  | 193              | 3.95              | 11900            | C 0 6 3 1 1 8 0 _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 37.5                         | 63            |
| 3.3             | 265.95  | 275              | 2.78              | 11800            | 2 6 5                                                                                                                                                                                      |                              |               |
| 2.9             | 299.67  | 309              | 2.48              | 11800            | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.6             | 328.67  | 282              | 2.71              | 11800            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.4             | 357.32  | 305              | 2.51              | 11800            | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.2             | 395.39  | 405              | 1.89              | 11700            | 4 0 0                                                                                                                                                                                      |                              |               |
| 1.9             | 449.50  | 458              | 1.67              | 11700            | 4 5 0                                                                                                                                                                                      |                              |               |
| 1.7             | 514.75  | 431              | 1.77              | 11700            | 5 0 0                                                                                                                                                                                      |                              |               |
| 1.5             | 580.00  | 482              | 1.59              | 11700            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.1             | 765.28  | 629              | 1.22              | 11600            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 870.00  | 709              | 1.08              | 11500            | 9 0 0                                                                                                                                                                                      |                              |               |
| 2.7             | 319.95  | 323              | 3.93              | 29200            | C 0 7 3 1 3 1 5 _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 84.5                         | 63            |
| 2.5             | 341.61  | 344              | 3.69              | 29200            | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.3             | 373.83  | 400              | 3.35              | 29200            | 4 0 0                                                                                                                                                                                      |                              |               |
| 2.1             | 419.25  | 446              | 3.00              | 29200            | 4 5 0                                                                                                                                                                                      |                              |               |
| 1.7             | 499.88  | 495              | 2.55              | 29200            | 5 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 547.35  | 539              | 2.33              | 29200            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.2             | 747.66  | 731              | 1.72              | 29200            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 838.50  | 817              | 1.54              | 29200            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.86            | 1009.20 | 1059             | 1.27              | 28931            | C 0 7 4 1 1 0 C _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 88.5                         | 63            |
| 0.79            | 1097.19 | 1150             | 1.17              | 28931            | 1 1 C                                                                                                                                                                                      |                              |               |
| 0.72            | 1213.28 | 1260             | 1.06              | 28931            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.62            | 1395.57 | 1446             | 0.93              | 28931            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.57            | 1517.24 | 1570             | 0.85              | 28931            | 1 6 C                                                                                                                                                                                      |                              |               |
| 1.4             | 636.31  | 682              | 3.98              | 41656            | C 0 8 4 1 6 3 0 _ M _ _ _ . 1 2 C - -                                                                                                                                                      | 141.5                        | 63            |
| 1.2             | 711.92  | 761              | 3.57              | 41656            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.1             | 758.79  | 812              | 3.34              | 41656            | 8 0 0                                                                                                                                                                                      |                              |               |
| 0.97            | 899.27  | 959              | 2.83              | 41656            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.91            | 960.14  | 1023             | 2.65              | 41656            | 1 0 C                                                                                                                                                                                      |                              |               |
| 0.80            | 1083.79 | 1151             | 2.47              | 41656            | 1 1 C                                                                                                                                                                                      |                              |               |
| 0.73            | 1191.45 | 1264             | 2.15              | 41656            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.62            | 1404.96 | 1484             | 1.83              | 41656            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.57            | 1532.14 | 1610             | 2.03              | 41545            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.46            | 1901.25 | 1991             | 1.64              | 41545            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.42            | 2088.45 | 2180             | 1.54              | 41545            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.39            | 2241.96 | 2340             | 1.40              | 41545            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.35            | 2462.71 | 2563             | 1.31              | 41545            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.32            | 2696.62 | 2801             | 1.20              | 41545            | 2 8 C                                                                                                                                                                                      |                              |               |
| 0.26            | 3304.80 | 3414             | 0.98              | 41545            | 3 2 C                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**012.kW**

6 POLE

**0.18 kW**

4 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 0.23            | 3760.71 | 3866             | 0.85              | 41545            | C 0 8 4 1 3 6 C _ M _ - _ _ . 1 2 C - -                                                                                                                                                    | 141.5                        | 63            |
| 0.72            | 1216.09 | 1319             | 3.62              | 53383            | C 0 9 4 1 1 2 C _ M _ - _ _ . 1 2 C - -                                                                                                                                                    | 209.5                        | 63            |
| 0.61            | 1434.02 | 1549             | 3.09              | 53383            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.57            | 1537.95 | 1649             | 2.99              | 53383            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.46            | 1908.45 | 2039             | 2.41              | 53383            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.41            | 2106.88 | 2247             | 2.20              | 53383            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.39            | 2250.46 | 2397             | 2.05              | 53383            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.35            | 2484.44 | 2641             | 1.88              | 53383            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.32            | 2720.42 | 2886             | 1.72              | 53383            | 2 8 C                                                                                                                                                                                      |                              |               |
| 0.26            | 3333.96 | 3518             | 1.41              | 53383            | 3 2 C                                                                                                                                                                                      |                              |               |
| 0.23            | 3774.96 | 3963             | 1.24              | 53383            | 3 6 C                                                                                                                                                                                      |                              |               |
| 159             | 8.59    | 8                | 9.03              | 2858             | C 0 3 2 1 8 . 0 _ M _ - _ _ . 1 8 A - -                                                                                                                                                    | 14.5                         | 63            |
| 118             | 11.61   | 12               | 7.30              | 2857             | 1 1 .                                                                                                                                                                                      |                              |               |
| 104             | 13.20   | 13               | 6.67              | 2857             | 1 2 .                                                                                                                                                                                      |                              |               |
| 92              | 14.95   | 15               | 6.09              | 2857             | 1 4 .                                                                                                                                                                                      |                              |               |
| 84              | 16.36   | 14               | 5.83              | 2856             | 1 6 .                                                                                                                                                                                      |                              |               |
| 72              | 19.12   | 19               | 5.11              | 2856             | 1 8 .                                                                                                                                                                                      |                              |               |
| 66              | 20.61   | 20               | 4.84              | 2856             | 2 0 .                                                                                                                                                                                      |                              |               |
| 62              | 22.11   | 19               | 4.77              | 2856             | 2 2 .                                                                                                                                                                                      |                              |               |
| 54              | 25.14   | 22               | 4.36              | 2855             | 2 5 .                                                                                                                                                                                      |                              |               |
| 48              | 28.48   | 25               | 4.02              | 2855             | 2 8 .                                                                                                                                                                                      |                              |               |
| 41              | 33.71   | 33               | 3.38              | 2844             | 3 2 .                                                                                                                                                                                      |                              |               |
| 38              | 36.43   | 31               | 3.39              | 2844             | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 39.26   | 34               | 3.22              | 2844             | 4 0 .                                                                                                                                                                                      |                              |               |
| 30              | 45.50   | 44               | 2.72              | 2841             | 4 5 .                                                                                                                                                                                      |                              |               |
| 26              | 53.31   | 52               | 2.44              | 2831             | 5 0 .                                                                                                                                                                                      |                              |               |
| 24              | 56.19   | 47               | 2.51              | 2841             | 5 6 .                                                                                                                                                                                      |                              |               |
| 21              | 64.21   | 54               | 2.29              | 2830             | 6 3 .                                                                                                                                                                                      |                              |               |
| 18              | 74.55   | 71               | 2.00              | 2825             | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 82.83   | 79               | 1.85              | 2818             | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 86.67   | 71               | 1.94              | 2825             | 9 0 .                                                                                                                                                                                      |                              |               |
| 13              | 101.54  | 82               | 1.73              | 2816             | 1 0 0                                                                                                                                                                                      |                              |               |
| 12              | 114.33  | 107              | 1.20              | 2801             | 1 1 2                                                                                                                                                                                      |                              |               |
| 11              | 129.94  | 122              | 1.03              | 2796             | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 142.00  | 113              | 1.32              | 2801             | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.7             | 157.78  | 124              | 1.20              | 2796             | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.3             | 217.78  | 168              | 0.88              | 2770             | 2 1 2                                                                                                                                                                                      |                              |               |
| 13              | 105.36  | 98               | 1.52              | 2810             | C 0 3 3 1 1 0 0 _ M _ - _ _ . 1 8 A - -                                                                                                                                                    | 17.5                         | 63            |
| 11              | 120.39  | 111              | 1.33              | 2801             | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.10  | 102              | 1.45              | 2811             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.21  | 109              | 1.36              | 2801             | 1 5 0                                                                                                                                                                                      |                              |               |
| 8.4             | 162.50  | 149              | 1.00              | 2782             | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.2             | 190.38  | 174              | 0.86              | 2770             | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.8             | 200.68  | 153              | 0.97              | 2780             | 2 0 0                                                                                                                                                                                      |                              |               |
| 6.0             | 229.32  | 174              | 0.86              | 2770             | 2 2 5                                                                                                                                                                                      |                              |               |
| 26              | 53.31   | 52               | 3.97              | 5286             | C 0 4 2 1 5 0 . _ M _ - _ _ . 1 8 A - -                                                                                                                                                    | 16.5                         | 63            |
| 21              | 64.21   | 55               | 3.67              | 5286             | 6 3 .                                                                                                                                                                                      |                              |               |
| 18              | 74.55   | 72               | 2.84              | 5284             | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 82.83   | 80               | 2.39              | 5284             | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 86.67   | 73               | 3.11              | 5287             | 9 0 .                                                                                                                                                                                      |                              |               |
| 13              | 101.54  | 84               | 2.77              | 5285             | 1 0 0                                                                                                                                                                                      |                              |               |
| 12              | 114.33  | 108              | 1.20              | 5280             | 1 1 2                                                                                                                                                                                      |                              |               |
| 11              | 129.94  | 123              | 1.03              | 5278             | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 142.00  | 115              | 2.18              | 5280             | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.7             | 157.78  | 127              | 2.02              | 5278             | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.3             | 217.78  | 172              | 1.20              | 5271             | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.5             | 247.50  | 194              | 1.03              | 5261             | 2 5 0                                                                                                                                                                                      |                              |               |
| 13              | 105.36  | 99               | 2.04              | 5281             | C 0 4 3 1 1 0 0 _ M _ - _ _ . 1 8 A - -                                                                                                                                                    | 20.5                         | 63            |
| 11              | 120.39  | 113              | 1.78              | 5280             | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.10  | 104              | 2.28              | 5281             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.21  | 112              | 2.18              | 5280             | 1 5 0                                                                                                                                                                                      |                              |               |
| 8.4             | 162.50  | 151              | 1.32              | 5275             | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.2             | 190.38  | 176              | 1.13              | 5270             | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.8             | 200.68  | 157              | 1.75              | 5275             | 2 0 0                                                                                                                                                                                      |                              |               |
| 6.0             | 229.32  | 178              | 1.55              | 5271             | 2 2 5                                                                                                                                                                                      |                              |               |
| 5.1             | 266.25  | 244              | 0.81              | 5246             | 2 6 5                                                                                                                                                                                      |                              |               |
| 4.4             | 309.52  | 237              | 1.17              | 5250             | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.8             | 362.64  | 275              | 1.01              | 5240             | 3 6 0                                                                                                                                                                                      |                              |               |
| 13              | 109.07  | 107              | 3.66              | 7438             | C 0 5 2 1 1 1 2 _ M _ - _ _ . 1 8 A - -                                                                                                                                                    | 18.5                         | 63            |
| 11              | 124.00  | 121              | 3.19              | 7438             | 1 2 5                                                                                                                                                                                      |                              |               |
| 8.6             | 160.00  | 133              | 3.61              | 7436             | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.5             | 211.11  | 173              | 2.78              | 7433             | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.7             | 240.00  | 195              | 2.47              | 7437             | 2 5 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.18 kW**

4 POLE

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 13              | 103.90  | 101              | 3.95              | 7436             | C 0 5 3 1 1 0 0 _ M _ _ _ . 1 8 A - -                                                                                                                                                      | 21.5                         | 63            |
| 12              | 118.73  | 115              | 3.46              | 7435             | 1 1 8                                                                                                                                                                                      |                              |               |
| 8.5             | 160.26  | 153              | 2.57              | 7434             | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.3             | 187.76  | 179              | 2.19              | 7434             | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.8             | 201.10  | 163              | 2.94              | 7435             | 2 0 0                                                                                                                                                                                      |                              |               |
| 6.0             | 229.81  | 186              | 2.59              | 7434             | 2 2 5                                                                                                                                                                                      |                              |               |
| 5.2             | 262.58  | 247              | 1.57              | 7432             | 2 6 5                                                                                                                                                                                      |                              |               |
| 4.7             | 291.75  | 273              | 1.42              | 7430             | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.4             | 310.18  | 246              | 1.95              | 7432             | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.8             | 363.40  | 286              | 1.68              | 7428             | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.4             | 402.70  | 374              | 1.03              | 7421             | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.0             | 457.66  | 425              | 0.90              | 7416             | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.7             | 508.21  | 394              | 1.22              | 7421             | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.4             | 564.68  | 435              | 1.11              | 7420             | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.8             | 779.42  | 592              | 0.81              | 7390             | 8 0 0                                                                                                                                                                                      |                              |               |
| 5.7             | 240.00  | 206              | 3.71              | 11852            | C 0 6 2 1 2 5 0 _ M _ _ _ . 1 8 A - -                                                                                                                                                      | 32.5                         | 63            |
| 5.2             | 265.95  | 265              | 2.89              | 11830            | C 0 6 3 1 2 6 5 _ M _ _ _ . 1 8 A - -                                                                                                                                                      | 37.5                         | 63            |
| 4.6             | 299.67  | 297              | 2.57              | 11728            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.2             | 328.67  | 275              | 2.78              | 11828            | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.8             | 357.32  | 297              | 2.57              | 11828            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.5             | 395.39  | 390              | 1.96              | 11704            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.0             | 449.50  | 440              | 1.74              | 11661            | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.7             | 514.75  | 419              | 1.83              | 11707            | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.4             | 580.00  | 469              | 1.63              | 11707            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.8             | 765.28  | 610              | 1.25              | 11600            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 870.00  | 688              | 1.11              | 11500            | 9 0 0                                                                                                                                                                                      |                              |               |
| 4.0             | 341.61  | 330              | 3.84              | 28143            | C 0 7 3 1 3 6 0 _ M _ _ _ . 1 8 A - -                                                                                                                                                      | 84.5                         | 63            |
| 3.7             | 373.83  | 384              | 3.49              | 27930            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.3             | 419.25  | 429              | 3.12              | 29161            | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.7             | 499.88  | 479              | 2.65              | 29152            | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.5             | 547.35  | 522              | 2.43              | 29152            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.8             | 747.66  | 701              | 1.80              | 29130            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 838.50  | 784              | 1.61              | 29116            | 9 0 0                                                                                                                                                                                      |                              |               |
| 1.4             | 1009.20 | 1012             | 1.33              | 28931            | C 0 7 4 1 1 0 C _ M _ _ _ . 1 8 A - -                                                                                                                                                      | 88.5                         | 63            |
| 1.2             | 1097.19 | 1099             | 1.22              | 28931            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.1             | 1213.28 | 1201             | 1.12              | 28931            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.98            | 1395.57 | 1379             | 0.97              | 28931            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.90            | 1517.24 | 1498             | 0.90              | 28931            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.82            | 1661.54 | 1634             | 0.82              | 28931            | 1 8 C                                                                                                                                                                                      |                              |               |
| 1.9             | 711.92  | 726              | 3.74              | 41656            | C 0 8 4 1 7 1 0 _ M _ _ _ . 1 8 A - -                                                                                                                                                      | 141.5                        | 63            |
| 1.8             | 758.79  | 774              | 3.51              | 41656            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.5             | 899.27  | 916              | 2.96              | 41656            | 9 0 0                                                                                                                                                                                      |                              |               |
| 1.4             | 960.14  | 977              | 2.78              | 41656            | 1 0 C                                                                                                                                                                                      |                              |               |
| 1.3             | 1083.79 | 1098             | 2.59              | 41656            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.1             | 1191.45 | 1209             | 2.25              | 41656            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.98            | 1404.96 | 1421             | 1.91              | 41656            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.89            | 1532.14 | 1534             | 2.14              | 41545            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.72            | 1901.25 | 1900             | 1.72              | 41545            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.66            | 2088.45 | 2079             | 1.61              | 41545            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.61            | 2241.96 | 2236             | 1.47              | 41545            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.56            | 2462.71 | 2447             | 1.37              | 41545            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.51            | 2696.62 | 2676             | 1.25              | 41545            | 2 8 C                                                                                                                                                                                      |                              |               |
| 0.41            | 3304.80 | 3268             | 1.03              | 41545            | 3 2 C                                                                                                                                                                                      |                              |               |
| 0.36            | 3760.71 | 3711             | 0.88              | 41545            | 3 6 C                                                                                                                                                                                      |                              |               |
| 1.1             | 1216.09 | 1261             | 3.79              | 53383            | C 0 9 4 1 1 2 C _ M _ _ _ . 1 8 A - -                                                                                                                                                      | 209.5                        | 63            |
| 0.96            | 1434.02 | 1483             | 3.22              | 53383            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.89            | 1537.95 | 1572             | 3.13              | 53383            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.72            | 1908.45 | 1947             | 2.53              | 53383            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.65            | 2106.88 | 2144             | 2.31              | 53383            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.61            | 2250.46 | 2291             | 2.15              | 53383            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.55            | 2484.44 | 2523             | 1.96              | 53383            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.50            | 2720.42 | 2759             | 1.80              | 53383            | 2 8 C                                                                                                                                                                                      |                              |               |
| 0.41            | 3333.96 | 3368             | 1.47              | 53383            | 3 2 C                                                                                                                                                                                      |                              |               |
| 0.36            | 3774.96 | 3803             | 1.30              | 53383            | 3 6 C                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.18 kW**

6 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 105             | 8.59   | 13               | 6.56              | 2857             | C 0 3 2 1 8 . 0 _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 15.5                         | 71            |
| 78              | 11.61  | 17               | 5.36              | 2856             | 1 1 .                                                                                                                                                                                      |                              |               |
| 68              | 13.20  | 20               | 4.85              | 2856             | 1 2 .                                                                                                                                                                                      |                              |               |
| 60              | 14.95  | 22               | 4.45              | 2855             | 1 4 .                                                                                                                                                                                      |                              |               |
| 55              | 16.36  | 22               | 4.32              | 2855             | 1 6 .                                                                                                                                                                                      |                              |               |
| 47              | 19.12  | 29               | 3.71              | 2845             | 1 8 .                                                                                                                                                                                      |                              |               |
| 44              | 20.61  | 31               | 3.52              | 2844             | 2 0 .                                                                                                                                                                                      |                              |               |
| 41              | 22.11  | 29               | 3.53              | 2845             | 2 2 .                                                                                                                                                                                      |                              |               |
| 36              | 25.14  | 33               | 3.22              | 2844             | 2 5 .                                                                                                                                                                                      |                              |               |
| 32              | 28.48  | 37               | 2.96              | 2843             | 2 8 .                                                                                                                                                                                      |                              |               |
| 27              | 33.71  | 50               | 2.48              | 2840             | 3 2 .                                                                                                                                                                                      |                              |               |
| 25              | 36.43  | 46               | 2.49              | 2841             | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 39.26  | 50               | 2.36              | 2840             | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 45.50  | 67               | 2.06              | 2827             | 4 5 .                                                                                                                                                                                      |                              |               |
| 17              | 53.31  | 77               | 1.86              | 2816             | 5 0 .                                                                                                                                                                                      |                              |               |
| 16              | 56.19  | 71               | 1.84              | 2827             | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.21  | 80               | 1.68              | 2816             | 6 3 .                                                                                                                                                                                      |                              |               |
| 12              | 74.55  | 107              | 1.39              | 2800             | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 82.83  | 118              | 1.26              | 2798             | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 86.67  | 105              | 1.41              | 2810             | 9 0 .                                                                                                                                                                                      |                              |               |
| 8.9             | 101.54 | 122              | 1.21              | 2796             | 1 0 0                                                                                                                                                                                      |                              |               |
| 6.3             | 142.00 | 168              | 0.89              | 2772             | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.7             | 157.78 | 185              | 0.80              | 2338             | 1 6 0                                                                                                                                                                                      |                              |               |
| 8.5             | 105.36 | 148              | 1.01              | 2135             | C 0 3 3 1 1 0 0 _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 19.5                         | 71            |
| 7.5             | 120.39 | 168              | 0.89              | 2772             | 1 1 8                                                                                                                                                                                      |                              |               |
| 6.9             | 130.10 | 152              | 0.98              | 2782             | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.4             | 140.21 | 163              | 0.91              | 2772             | 1 5 0                                                                                                                                                                                      |                              |               |
| 25              | 36.43  | 48               | 3.97              | 5286             | C 0 4 2 1 3 6 . _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 18.5                         | 71            |
| 23              | 39.26  | 51               | 3.79              | 5286             | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 45.50  | 67               | 3.05              | 5285             | 4 5 .                                                                                                                                                                                      |                              |               |
| 17              | 53.31  | 79               | 2.60              | 5284             | 5 0 .                                                                                                                                                                                      |                              |               |
| 16              | 56.19  | 72               | 2.95              | 5285             | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.21  | 81               | 2.69              | 5283             | 6 3 .                                                                                                                                                                                      |                              |               |
| 12              | 74.55  | 108              | 1.87              | 5281             | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 82.83  | 120              | 1.57              | 5278             | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 86.67  | 108              | 2.28              | 5280             | 9 0 .                                                                                                                                                                                      |                              |               |
| 8.9             | 101.54 | 125              | 2.03              | 5278             | 1 0 0                                                                                                                                                                                      |                              |               |
| 6.3             | 142.00 | 171              | 1.62              | 5273             | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.7             | 157.78 | 189              | 1.47              | 5263             | 1 6 0                                                                                                                                                                                      |                              |               |
| 8.5             | 105.36 | 150              | 1.34              | 5276             | C 0 4 3 1 1 0 0 _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 21.5                         | 71            |
| 7.5             | 120.39 | 170              | 1.17              | 5273             | 1 1 8                                                                                                                                                                                      |                              |               |
| 6.9             | 130.10 | 156              | 1.76              | 5274             | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.4             | 140.21 | 167              | 1.66              | 5273             | 1 5 0                                                                                                                                                                                      |                              |               |
| 5.5             | 162.50 | 227              | 0.87              | 5256             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.5             | 200.68 | 235              | 1.18              | 5256             | 2 0 0                                                                                                                                                                                      |                              |               |
| 3.9             | 229.32 | 266              | 1.04              | 5242             | 2 2 5                                                                                                                                                                                      |                              |               |
| 12              | 73.37  | 109              | 3.64              | 7436             | C 0 5 2 1 7 1 . _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 21.5                         | 71            |
| 11              | 82.67  | 123              | 3.23              | 7435             | 8 0 .                                                                                                                                                                                      |                              |               |
| 9.1             | 98.57  | 126              | 3.81              | 7435             | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.3             | 109.07 | 161              | 2.41              | 7434             | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.3             | 124.00 | 181              | 2.09              | 7434             | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.3             | 142.00 | 177              | 2.71              | 7434             | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.6             | 160.00 | 198              | 2.43              | 7431             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.3             | 211.11 | 258              | 1.86              | 6731             | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 240.00 | 291              | 1.66              | 7428             | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.7             | 103.90 | 152              | 2.59              | 7037             | C 0 5 3 1 1 0 0 _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 25.5                         | 71            |
| 7.6             | 118.73 | 173              | 2.27              | 6984             | 1 1 8                                                                                                                                                                                      |                              |               |
| 6.9             | 130.38 | 162              | 2.96              | 6984             | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.4             | 140.51 | 174              | 2.77              | 6984             | 1 5 0                                                                                                                                                                                      |                              |               |
| 5.6             | 160.26 | 231              | 1.69              | 6731             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.8             | 187.76 | 269              | 1.44              | 7427             | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.5             | 201.10 | 244              | 1.97              | 7430             | 2 0 0                                                                                                                                                                                      |                              |               |
| 3.9             | 229.81 | 277              | 1.73              | 7427             | 2 2 5                                                                                                                                                                                      |                              |               |
| 3.4             | 262.58 | 373              | 1.03              | 7420             | 2 6 5                                                                                                                                                                                      |                              |               |
| 3.1             | 291.75 | 411              | 0.93              | 7418             | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.9             | 310.18 | 368              | 1.31              | 7423             | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.5             | 363.40 | 428              | 1.12              | 7094             | 3 6 0                                                                                                                                                                                      |                              |               |
| 1.8             | 508.21 | 589              | 0.82              | 7393             | 5 0 0                                                                                                                                                                                      |                              |               |
| 7.3             | 124.00 | 192              | 2.72              | 11852            | C 0 6 2 1 1 2 5 _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 34.5                         | 71            |
| 5.7             | 156.67 | 206              | 3.71              | 11852            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.2             | 214.00 | 275              | 2.78              | 11833            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 240.00 | 307              | 2.49              | 11823            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.3             | 169.81 | 259              | 2.95              | 11833            | C 0 6 3 1 1 6 0 _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 39.5                         | 71            |
| 4.9             | 184.62 | 281              | 2.72              | 11823            | 1 8 0                                                                                                                                                                                      |                              |               |
| 3.4             | 265.95 | 399              | 1.92              | 11702            | 2 6 5                                                                                                                                                                                      |                              |               |
| 3.0             | 299.67 | 448              | 1.71              | 11680            | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.7             | 328.67 | 409              | 1.87              | 11704            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.5             | 357.32 | 442              | 1.73              | 11704            | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.3             | 395.39 | 588              | 1.30              | 11556            | 4 0 0                                                                                                                                                                                      |                              |               |
| 2.0             | 449.50 | 665              | 1.15              | 11515            | 4 5 0                                                                                                                                                                                      |                              |               |
| 1.7             | 514.75 | 625              | 1.22              | 11561            | 5 0 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.18 kW**

6 POLE

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 1.6             | 580.00  | 700              | 1.09              | 11515            | C 0 6 3 1 5 6 0 _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 39.5                         | 71            |
| 1.2             | 765.28  | 913              | 0.84              | 11400            | 8 0 0                                                                                                                                                                                      |                              |               |
| 4.0             | 226.39  | 334              | 3.79              | 29180            | C 0 7 3 1 2 2 5 _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 86.5                         | 71            |
| 3.6             | 249.94  | 392              | 3.41              | 29171            | 2 6 5                                                                                                                                                                                      |                              |               |
| 3.3             | 273.68  | 428              | 3.12              | 29161            | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.8             | 319.95  | 468              | 2.71              | 29161            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.6             | 341.61  | 499              | 2.54              | 29152            | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.4             | 373.83  | 580              | 2.31              | 29144            | 4 0 0                                                                                                                                                                                      |                              |               |
| 2.1             | 419.25  | 648              | 2.07              | 29144            | 4 5 0                                                                                                                                                                                      |                              |               |
| 1.8             | 499.88  | 717              | 1.76              | 29130            | 5 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 547.35  | 782              | 1.61              | 29116            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.2             | 747.66  | 1061             | 1.19              | 29080            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.1             | 838.50  | 1185             | 1.06              | 29056            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.89            | 1009.20 | 1536             | 0.87              | 28931            | C 0 7 4 1 1 0 C _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 90.5                         | 71            |
| 0.82            | 1097.19 | 1667             | 0.80              | 28931            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.6             | 547.09  | 852              | 3.19              | 41656            | C 0 8 4 1 5 6 0 _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 143.5                        | 71            |
| 1.4             | 636.31  | 989              | 2.74              | 41656            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.3             | 711.92  | 1104             | 2.46              | 41656            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 758.79  | 1177             | 2.31              | 41656            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 899.27  | 1391             | 1.95              | 41656            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.94            | 960.14  | 1484             | 1.83              | 41656            | 1 0 C                                                                                                                                                                                      |                              |               |
| 0.83            | 1083.79 | 1669             | 1.70              | 41656            | 1 1 C                                                                                                                                                                                      |                              |               |
| 0.76            | 1191.45 | 1833             | 1.48              | 41656            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.64            | 1404.96 | 2152             | 1.26              | 41656            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.59            | 1532.14 | 2335             | 1.40              | 41545            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.47            | 1901.25 | 2887             | 1.13              | 41545            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.43            | 2088.45 | 3162             | 1.06              | 41545            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.40            | 2241.96 | 3394             | 0.97              | 41545            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.37            | 2462.71 | 3716             | 0.90              | 41545            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.33            | 2696.62 | 4061             | 0.83              | 41545            | 2 8 C                                                                                                                                                                                      |                              |               |
| 1.2             | 774.48  | 1227             | 3.90              | 53383            | C 0 9 4 1 8 0 0 _ M _ _ _ . 1 8 C - -                                                                                                                                                      | 211.5                        | 71            |
| 0.98            | 917.87  | 1451             | 3.29              | 53383            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.92            | 980.00  | 1547             | 3.09              | 53383            | 1 0 C                                                                                                                                                                                      |                              |               |
| 0.83            | 1088.78 | 1713             | 2.81              | 53383            | 1 1 C                                                                                                                                                                                      |                              |               |
| 0.74            | 1216.09 | 1912             | 2.50              | 53383            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.63            | 1434.02 | 2246             | 2.13              | 53383            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.59            | 1537.95 | 2391             | 2.06              | 53383            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.47            | 1908.45 | 2957             | 1.67              | 53383            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.43            | 2106.88 | 3258             | 1.52              | 53383            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.40            | 2250.46 | 3476             | 1.42              | 53383            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.36            | 2484.44 | 3830             | 1.29              | 53383            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.33            | 2720.42 | 4185             | 1.18              | 53383            | 2 8 C                                                                                                                                                                                      |                              |               |
| 0.27            | 3333.96 | 5102             | 0.97              | 53383            | 3 2 C                                                                                                                                                                                      |                              |               |
| 0.24            | 3774.96 | 5746             | 0.86              | 53383            | 3 6 C                                                                                                                                                                                      |                              |               |
| 163             | 8.59    | 12               | 6.64              | 2856             | C 0 3 2 1 8 . 0 _ M _ _ _ . 2 5 A - -                                                                                                                                                      | 15.5                         | 71            |
| 121             | 11.61   | 16               | 5.37              | 2855             | 1 1 .                                                                                                                                                                                      |                              |               |
| 106             | 13.20   | 18               | 4.90              | 2854             | 1 2 .                                                                                                                                                                                      |                              |               |
| 94              | 14.95   | 20               | 4.48              | 2854             | 1 4 .                                                                                                                                                                                      |                              |               |
| 86              | 16.36   | 20               | 4.29              | 2853             | 1 6 .                                                                                                                                                                                      |                              |               |
| 73              | 19.12   | 26               | 3.76              | 2852             | 1 8 .                                                                                                                                                                                      |                              |               |
| 68              | 20.61   | 28               | 3.56              | 2852             | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 22.11   | 26               | 3.51              | 2852             | 2 2 .                                                                                                                                                                                      |                              |               |
| 56              | 25.14   | 30               | 3.21              | 2849             | 2 5 .                                                                                                                                                                                      |                              |               |
| 49              | 28.48   | 34               | 2.95              | 2849             | 2 8 .                                                                                                                                                                                      |                              |               |
| 42              | 33.71   | 45               | 2.49              | 2837             | 3 2 .                                                                                                                                                                                      |                              |               |
| 38              | 36.43   | 42               | 2.49              | 2837             | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 39.26   | 46               | 2.37              | 2837             | 4 0 .                                                                                                                                                                                      |                              |               |
| 31              | 45.50   | 60               | 2.00              | 2831             | 4 5 .                                                                                                                                                                                      |                              |               |
| 26              | 53.31   | 70               | 1.79              | 2821             | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 56.19   | 64               | 1.85              | 2831             | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 64.21   | 73               | 1.69              | 2818             | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 74.55   | 97               | 1.47              | 2808             | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 82.83   | 107              | 1.36              | 2804             | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 86.67   | 97               | 1.43              | 2808             | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 101.54  | 112              | 1.27              | 2800             | 1 0 0                                                                                                                                                                                      |                              |               |
| 12              | 114.33  | 146              | 0.88              | 2780             | 1 1 2                                                                                                                                                                                      |                              |               |
| 10              | 142.00  | 153              | 0.97              | 2780             | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.9             | 157.78  | 169              | 0.88              | 2770             | 1 6 0                                                                                                                                                                                      |                              |               |
| 13              | 105.36  | 133              | 1.12              | 2788             | C 0 3 3 1 1 0 0 _ M _ _ _ . 2 5 A - -                                                                                                                                                      | 19.5                         | 71            |
| 12              | 120.39  | 151              | 0.98              | 2780             | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.10  | 138              | 1.07              | 2790             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.21  | 148              | 1.00              | 2780             | 1 5 0                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.25 kW****4 POLE**

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 38              | 36.43   | 44               | 3.98              | 5286             | C 0 4 2 1 3 6 . _ M _ - _ _ . 2 5 A - -                                                                                                                                                    | 18.5                         | 71            |
| 36              | 39.26   | 47               | 3.78              | 5286             | 4 0 .                                                                                                                                                                                      |                              |               |
| 31              | 45.50   | 61               | 3.35              | 5285             | 4 5 .                                                                                                                                                                                      |                              |               |
| 26              | 53.31   | 71               | 2.92              | 5281             | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 56.19   | 66               | 2.96              | 5283             | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 64.21   | 74               | 2.70              | 5281             | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 74.55   | 98               | 2.09              | 5277             | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 82.83   | 109              | 1.76              | 5277             | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 86.67   | 99               | 2.29              | 5284             | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 101.54  | 114              | 2.04              | 5279             | 1 0 0                                                                                                                                                                                      |                              |               |
| 12              | 114.33  | 147              | 0.88              | 5269             | 1 1 2                                                                                                                                                                                      |                              |               |
| 10              | 142.00  | 156              | 1.61              | 5269             | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.9             | 157.78  | 172              | 1.49              | 5264             | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.4             | 217.78  | 233              | 0.88              | 5250             | 2 1 2                                                                                                                                                                                      |                              |               |
| 13              | 105.36  | 135              | 1.50              | 5271             | C 0 4 3 1 1 0 0 _ M _ - _ _ . 2 5 A - -                                                                                                                                                    | 21.5                         | 71            |
| 12              | 120.39  | 154              | 1.31              | 5268             | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.10  | 142              | 1.68              | 5271             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.21  | 152              | 1.61              | 5269             | 1 5 0                                                                                                                                                                                      |                              |               |
| 8.6             | 162.50  | 206              | 0.97              | 5258             | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.4             | 190.38  | 239              | 0.83              | 5248             | 1 8 0                                                                                                                                                                                      |                              |               |
| 7.0             | 200.68  | 213              | 1.29              | 5258             | 2 0 0                                                                                                                                                                                      |                              |               |
| 6.1             | 229.32  | 243              | 1.14              | 5250             | 2 2 5                                                                                                                                                                                      |                              |               |
| 19              | 73.37   | 99               | 3.83              | 7437             | C 0 5 2 1 7 1 . _ M _ - _ _ . 2 5 A - -                                                                                                                                                    | 21.5                         | 71            |
| 17              | 82.67   | 111              | 3.45              | 7436             | 8 0 .                                                                                                                                                                                      |                              |               |
| 13              | 109.07  | 145              | 2.70              | 7435             | 1 1 2                                                                                                                                                                                      |                              |               |
| 11              | 124.00  | 164              | 2.34              | 7436             | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 142.00  | 162              | 2.97              | 7436             | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.8             | 160.00  | 181              | 2.65              | 7431             | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.6             | 211.11  | 235              | 2.04              | 7425             | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.8             | 240.00  | 265              | 1.82              | 7434             | 2 5 0                                                                                                                                                                                      |                              |               |
| 13              | 103.90  | 137              | 2.91              | 7433             | C 0 5 3 1 1 0 0 _ M _ - _ _ . 2 5 A - -                                                                                                                                                    | 25.5                         | 71            |
| 12              | 118.73  | 156              | 2.55              | 7430             | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.38  | 148              | 3.25              | 7432             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.51  | 159              | 3.03              | 7430             | 1 5 0                                                                                                                                                                                      |                              |               |
| 8.7             | 160.26  | 209              | 1.89              | 7427             | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.5             | 187.76  | 243              | 1.61              | 7427             | 1 8 0                                                                                                                                                                                      |                              |               |
| 7.0             | 201.10  | 222              | 2.16              | 7430             | 2 0 0                                                                                                                                                                                      |                              |               |
| 6.1             | 229.81  | 253              | 1.90              | 7427             | 2 2 5                                                                                                                                                                                      |                              |               |
| 5.3             | 262.58  | 335              | 1.16              | 7424             | 2 6 5                                                                                                                                                                                      |                              |               |
| 4.8             | 291.75  | 372              | 1.04              | 7419             | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.5             | 310.18  | 335              | 1.44              | 7424             | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.9             | 363.40  | 390              | 1.24              | 7414             | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.8             | 508.21  | 535              | 0.90              | 7400             | 5 0 0                                                                                                                                                                                      |                              |               |
| 11              | 124.00  | 173              | 3.05              | 11838            | C 0 6 2 1 1 2 5 _ M _ - _ _ . 2 5 A - -                                                                                                                                                    | 34.5                         | 71            |
| 6.5             | 214.00  | 252              | 3.03              | 11817            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.8             | 240.00  | 280              | 2.73              | 11796            | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.2             | 169.81  | 234              | 3.27              | 11817            | C 0 6 3 1 1 6 0 _ M _ - _ _ . 2 5 A - -                                                                                                                                                    | 39.5                         | 71            |
| 7.6             | 184.62  | 253              | 3.02              | 11796            | 1 8 0                                                                                                                                                                                      |                              |               |
| 5.3             | 265.95  | 360              | 2.12              | 11748            | 2 6 5                                                                                                                                                                                      |                              |               |
| 4.7             | 299.67  | 404              | 1.89              | 11644            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.3             | 328.67  | 374              | 2.05              | 11744            | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.9             | 357.32  | 404              | 1.89              | 11744            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.5             | 395.39  | 530              | 1.44              | 11592            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.1             | 449.50  | 599              | 1.28              | 11500            | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.7             | 514.75  | 569              | 1.34              | 11600            | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.4             | 580.00  | 637              | 1.20              | 11600            | 5 6 0                                                                                                                                                                                      |                              |               |
| 5.6             | 249.94  | 354              | 3.78              | 29152            | C 0 7 3 1 2 6 5 _ M _ - _ _ . 2 5 A - -                                                                                                                                                    | 86.5                         | 71            |
| 5.1             | 273.68  | 386              | 3.46              | 29143            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.4             | 319.95  | 422              | 3.01              | 28013            | 3 1 5                                                                                                                                                                                      |                              |               |
| 4.1             | 341.61  | 449              | 2.82              | 26909            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.7             | 373.83  | 522              | 2.56              | 26449            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.3             | 419.25  | 584              | 2.29              | 29117            | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.8             | 499.88  | 651              | 1.95              | 29096            | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.6             | 547.35  | 710              | 1.79              | 29096            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.9             | 747.66  | 953              | 1.32              | 29048            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.7             | 838.50  | 1066             | 1.18              | 29018            | 9 0 0                                                                                                                                                                                      |                              |               |
| 1.4             | 1009.20 | 1375             | 0.97              | 28931            | C 0 7 4 1 1 0 C _ M _ - _ _ . 2 5 A - -                                                                                                                                                    | 90.5                         | 71            |
| 1.3             | 1097.19 | 1494             | 0.90              | 28931            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.2             | 1213.28 | 1632             | 0.82              | 28931            | 1 2 C                                                                                                                                                                                      |                              |               |
| 2.6             | 547.09  | 760              | 3.57              | 41656            | C 0 8 4 1 5 6 0 _ M _ - _ _ . 2 5 A - -                                                                                                                                                    | 143.5                        | 71            |
| 2.2             | 636.31  | 883              | 3.07              | 41656            | 6 3 0                                                                                                                                                                                      |                              |               |
| 2.0             | 711.92  | 986              | 2.75              | 41656            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.8             | 758.79  | 1052             | 2.58              | 41656            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 899.27  | 1245             | 2.18              | 41656            | 9 0 0                                                                                                                                                                                      |                              |               |
| 1.5             | 960.14  | 1328             | 2.04              | 41656            | 1 0 C                                                                                                                                                                                      |                              |               |
| 1.3             | 1083.79 | 1493             | 1.90              | 41656            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.2             | 1191.45 | 1643             | 1.65              | 41656            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.99            | 1404.96 | 1932             | 1.41              | 41656            | 1 4 C                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.25 kW**

4 POLE

**0.25 kW**

6 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 0.91            | 1532.14 | 2085             | 1.57              | 41545            | C 0 8 4 1 1 6 C _ M _ _ _ . 2 5 A _ _                                                                                                                                                      | 143.5                        | 71            |
| 0.74            | 1901.25 | 2582             | 1.27              | 41545            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.67            | 2088.45 | 2826             | 1.19              | 41545            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.62            | 2241.96 | 3039             | 1.08              | 41545            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.57            | 2462.71 | 3326             | 1.01              | 41545            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.52            | 2696.62 | 3637             | 0.92              | 41545            | 2 8 C                                                                                                                                                                                      |                              |               |
| 1.5             | 917.87  | 1298             | 3.68              | 53383            | C 0 9 4 1 9 0 0 _ M _ _ _ . 2 5 A _ _                                                                                                                                                      | 211.5                        | 71            |
| 1.4             | 980.00  | 1385             | 3.45              | 53383            | 1 0 C                                                                                                                                                                                      |                              |               |
| 1.3             | 1088.78 | 1533             | 3.14              | 53383            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.2             | 1216.09 | 1713             | 2.79              | 53383            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.98            | 1434.02 | 2015             | 2.37              | 53383            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.91            | 1537.95 | 2137             | 2.30              | 53383            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.73            | 1908.45 | 2646             | 1.86              | 53383            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.66            | 2106.88 | 2914             | 1.70              | 53383            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.62            | 2250.46 | 3113             | 1.58              | 53383            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.56            | 2484.44 | 3429             | 1.44              | 53383            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.51            | 2720.42 | 3749             | 1.32              | 53383            | 2 8 C                                                                                                                                                                                      |                              |               |
| 0.42            | 3333.96 | 4578             | 1.08              | 53383            | 3 2 C                                                                                                                                                                                      |                              |               |
| 0.37            | 3774.96 | 5168             | 0.95              | 53383            | 3 6 C                                                                                                                                                                                      |                              |               |
| 105             | 8.59    | 18               | 4.72              | 2854             | C 0 3 2 1 8 . 0 _ M _ _ _ . 2 5 C _ _                                                                                                                                                      | 15.5                         | 71            |
| 78              | 11.61   | 24               | 3.86              | 2852             | 1 1 .                                                                                                                                                                                      |                              |               |
| 68              | 13.20   | 28               | 3.49              | 2851             | 1 2 .                                                                                                                                                                                      |                              |               |
| 60              | 14.95   | 31               | 3.20              | 2850             | 1 4 .                                                                                                                                                                                      |                              |               |
| 55              | 16.36   | 30               | 3.11              | 2850             | 1 6 .                                                                                                                                                                                      |                              |               |
| 47              | 19.12   | 40               | 2.67              | 2839             | 1 8 .                                                                                                                                                                                      |                              |               |
| 44              | 20.61   | 43               | 2.54              | 2838             | 2 0 .                                                                                                                                                                                      |                              |               |
| 41              | 22.11   | 40               | 2.54              | 2839             | 2 2 .                                                                                                                                                                                      |                              |               |
| 36              | 25.14   | 46               | 2.32              | 2837             | 2 5 .                                                                                                                                                                                      |                              |               |
| 32              | 28.48   | 52               | 2.13              | 2835             | 2 8 .                                                                                                                                                                                      |                              |               |
| 27              | 33.71   | 70               | 1.79              | 2829             | 3 2 .                                                                                                                                                                                      |                              |               |
| 25              | 36.43   | 65               | 1.79              | 2831             | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 39.26   | 70               | 1.70              | 2829             | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 45.50   | 93               | 1.48              | 2812             | 4 5 .                                                                                                                                                                                      |                              |               |
| 17              | 53.31   | 108              | 1.34              | 2799             | 5 0 .                                                                                                                                                                                      |                              |               |
| 16              | 56.19   | 98               | 1.33              | 2812             | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.21   | 111              | 1.21              | 2799             | 6 3 .                                                                                                                                                                                      |                              |               |
| 12              | 74.55   | 149              | 1.00              | 2778             | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 82.83   | 164              | 0.9               | 2773             | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 86.67   | 147              | 1.01              | 2788             | 9 0 .                                                                                                                                                                                      |                              |               |
| 8.9             | 101.54  | 170              | 0.87              | 2770             | 1 0 0                                                                                                                                                                                      |                              |               |
| 36              | 25.14   | 47               | 3.70              | 5285             | C 0 4 2 1 2 5 . _ M _ _ _ . 2 5 C _ _                                                                                                                                                      | 18.5                         | 71            |
| 32              | 28.48   | 53               | 3.40              | 5284             | 2 8 .                                                                                                                                                                                      |                              |               |
| 27              | 33.71   | 70               | 2.95              | 5281             | 3 2 .                                                                                                                                                                                      |                              |               |
| 25              | 36.43   | 67               | 2.86              | 5283             | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 39.26   | 71               | 2.73              | 5282             | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 45.50   | 94               | 2.19              | 5279             | 4 5 .                                                                                                                                                                                      |                              |               |
| 17              | 53.31   | 109              | 1.88              | 5277             | 5 0 .                                                                                                                                                                                      |                              |               |
| 16              | 56.19   | 100              | 2.13              | 5279             | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.21   | 113              | 1.94              | 5275             | 6 3 .                                                                                                                                                                                      |                              |               |
| 12              | 74.55   | 150              | 1.35              | 5271             | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 82.83   | 166              | 1.13              | 5265             | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 86.67   | 150              | 1.64              | 5269             | 9 0 .                                                                                                                                                                                      |                              |               |
| 8.9             | 101.54  | 174              | 1.46              | 5264             | 1 0 0                                                                                                                                                                                      |                              |               |
| 6.3             | 142.00  | 238              | 1.17              | 5253             | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.7             | 157.78  | 262              | 1.06              | 5243             | 1 6 0                                                                                                                                                                                      |                              |               |
| 8.5             | 105.36  | 208              | 0.96              | 5259             | C 0 4 3 1 1 0 0 _ M _ _ _ . 2 5 C _ _                                                                                                                                                      | 21.5                         | 71            |
| 7.5             | 120.39  | 237              | 0.84              | 5253             | 1 1 8                                                                                                                                                                                      |                              |               |
| 6.9             | 130.10  | 216              | 1.26              | 5256             | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.4             | 140.21  | 233              | 1.19              | 5253             | 1 5 0                                                                                                                                                                                      |                              |               |
| 4.5             | 200.68  | 326              | 0.85              | 5228             | 2 0 0                                                                                                                                                                                      |                              |               |
| 12              | 73.37   | 152              | 2.62              | 7432             | C 0 5 2 1 7 1 . _ M _ _ _ . 2 5 C _ _                                                                                                                                                      | 21.5                         | 71            |
| 11              | 82.67   | 170              | 2.33              | 7430             | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 90.67   | 162              | 2.97              | 7430             | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.1             | 98.57   | 175              | 2.74              | 7429             | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.3             | 109.07  | 223              | 1.73              | 7427             | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.3             | 124.00  | 252              | 1.51              | 7427             | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.3             | 142.00  | 246              | 1.95              | 7427             | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.6             | 160.00  | 275              | 1.75              | 7421             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.3             | 211.11  | 359              | 1.34              | 5904             | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 240.00  | 404              | 1.19              | 7414             | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.7             | 103.90  | 211              | 1.87              | 6567             | C 0 5 3 1 1 0 0 _ M _ _ _ . 2 5 C _ _                                                                                                                                                      | 25.5                         | 71            |
| 7.6             | 118.73  | 240              | 1.63              | 6453             | 1 1 8                                                                                                                                                                                      |                              |               |
| 6.9             | 130.38  | 225              | 2.13              | 6453             | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.4             | 140.51  | 242              | 1.99              | 6453             | 1 5 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.25 kW**

6 POLE

**0.37 kW**

4 POLE

NOTE:

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 5.6             | 160.26  | 320              | 1.22              | 5904             | C 0 5 3 1 1 6 0 _ M _ _ _ . 2 5 C - -                                                                                                                                                      | 25.5                         | 71            |
| 4.8             | 187.76  | 374              | 1.03              | 7412             | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.5             | 201.10  | 340              | 1.42              | 7418             | 2 0 0                                                                                                                                                                                      |                              |               |
| 3.9             | 229.81  | 385              | 1.25              | 7412             | 2 2 5                                                                                                                                                                                      |                              |               |
| 2.9             | 310.18  | 512              | 0.94              | 7403             | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.5             | 363.40  | 595              | 0.81              | 6691             | 3 6 0                                                                                                                                                                                      |                              |               |
| 11              | 80.94   | 176              | 3.9               | 11834            | C 0 6 2 1 8 0 _ M _ _ _ . 2 5 C - -                                                                                                                                                        | 34.5                         | 71            |
| 8.1             | 110.57  | 239              | 2.99              | 11807            | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.3             | 124.00  | 266              | 1.96              | 11796            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.3             | 143.08  | 263              | 2.91              | 11817            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.7             | 156.67  | 286              | 2.67              | 11796            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.2             | 214.00  | 383              | 2.00              | 11755            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 240.00  | 426              | 1.8               | 11734            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.3             | 169.81  | 360              | 2.13              | 11755            | C 0 6 3 1 1 6 0 _ M _ _ _ . 2 5 C - -                                                                                                                                                      | 39.5                         | 71            |
| 4.9             | 184.62  | 390              | 1.96              | 11734            | 1 8 0                                                                                                                                                                                      |                              |               |
| 3.4             | 265.95  | 555              | 1.38              | 11588            | 2 6 5                                                                                                                                                                                      |                              |               |
| 3.0             | 299.67  | 622              | 1.23              | 11540            | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.7             | 328.67  | 568              | 1.35              | 11592            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.5             | 357.32  | 615              | 1.25              | 11592            | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.3             | 395.39  | 817              | 0.94              | 11388            | 4 0 0                                                                                                                                                                                      |                              |               |
| 2.0             | 449.50  | 924              | 0.83              | 11300            | 4 5 0                                                                                                                                                                                      |                              |               |
| 1.7             | 514.75  | 869              | 0.88              | 11400            | 5 0 0                                                                                                                                                                                      |                              |               |
| 5.6             | 159.98  | 353              | 3.79              | 29152            | C 0 7 3 1 1 6 0 _ M _ _ _ . 2 5 C - -                                                                                                                                                      | 86.5                         | 71            |
| 5.3             | 170.81  | 377              | 3.55              | 29152            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.6             | 194.65  | 404              | 3.14              | 29143            | 2 0 0                                                                                                                                                                                      |                              |               |
| 4.0             | 226.39  | 465              | 2.73              | 29158            | 2 2 5                                                                                                                                                                                      |                              |               |
| 3.6             | 249.94  | 545              | 2.46              | 29138            | 2 6 5                                                                                                                                                                                      |                              |               |
| 3.3             | 273.68  | 595              | 2.25              | 29117            | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.8             | 319.95  | 651              | 1.95              | 29117            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.6             | 341.61  | 693              | 1.83              | 29096            | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.4             | 373.83  | 806              | 1.66              | 29079            | 4 0 0                                                                                                                                                                                      |                              |               |
| 2.1             | 419.25  | 900              | 1.49              | 29079            | 4 5 0                                                                                                                                                                                      |                              |               |
| 1.8             | 499.88  | 997              | 1.26              | 29048            | 5 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 547.35  | 1087             | 1.16              | 29018            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.2             | 747.66  | 1473             | 0.86              | 28940            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 547.09  | 1183             | 2.29              | 41656            | C 0 8 4 1 5 6 0 _ M _ _ _ . 2 5 C - -                                                                                                                                                      | 143.5                        | 71            |
| 1.4             | 636.31  | 1374             | 1.98              | 41656            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.3             | 711.92  | 1534             | 1.77              | 41656            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 758.79  | 1635             | 1.66              | 41656            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 899.27  | 1933             | 1.40              | 41656            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.94            | 960.14  | 2061             | 1.32              | 41656            | 1 0 C                                                                                                                                                                                      |                              |               |
| 0.83            | 1083.79 | 2318             | 1.23              | 41656            | 1 1 C                                                                                                                                                                                      |                              |               |
| 0.76            | 1191.45 | 2546             | 1.07              | 41656            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.64            | 1404.96 | 2989             | 0.91              | 41656            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.59            | 1532.14 | 3243             | 1.01              | 41545            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.47            | 1901.25 | 4010             | 0.82              | 41545            | 1 8 C                                                                                                                                                                                      |                              |               |
| 1.6             | 558.41  | 1233             | 3.88              | 53383            | C 0 9 4 1 5 6 0 _ M _ _ _ . 2 5 C - -                                                                                                                                                      | 211.5                        | 71            |
| 1.4             | 649.47  | 1432             | 3.34              | 53383            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.2             | 726.65  | 1598             | 2.99              | 53383            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 774.48  | 1704             | 2.80              | 53383            | 8 0 0                                                                                                                                                                                      |                              |               |
| 0.98            | 917.87  | 2015             | 2.37              | 53383            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.92            | 980.00  | 2149             | 2.22              | 53383            | 1 0 C                                                                                                                                                                                      |                              |               |
| 0.83            | 1088.78 | 2379             | 2.02              | 53383            | 1 1 C                                                                                                                                                                                      |                              |               |
| 0.74            | 1216.09 | 2656             | 1.80              | 53383            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.63            | 1434.02 | 3120             | 1.53              | 53383            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.59            | 1537.95 | 3321             | 1.48              | 53383            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.47            | 1908.45 | 4108             | 1.20              | 53383            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.43            | 2106.88 | 4525             | 1.09              | 53383            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.40            | 2250.46 | 4828             | 1.02              | 53383            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.36            | 2484.44 | 5319             | 0.93              | 53383            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.33            | 2720.42 | 5813             | 0.85              | 53383            | 2 8 C                                                                                                                                                                                      |                              |               |
| 163             | 8.59    | 18               | 4.49              | 2852             | C 0 3 2 1 8 . 0 _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 15.5                         | 71            |
| 121             | 11.61   | 24               | 3.63              | 2850             | 1 1 .                                                                                                                                                                                      |                              |               |
| 106             | 13.20   | 27               | 3.31              | 2849             | 1 2 .                                                                                                                                                                                      |                              |               |
| 94              | 14.95   | 30               | 3.03              | 2849             | 1 4 .                                                                                                                                                                                      |                              |               |
| 86              | 16.36   | 30               | 2.90              | 2847             | 1 6 .                                                                                                                                                                                      |                              |               |
| 73              | 19.12   | 39               | 2.54              | 2844             | 1 8 .                                                                                                                                                                                      |                              |               |
| 68              | 20.61   | 41               | 2.41              | 2844             | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 22.11   | 39               | 2.37              | 2844             | 2 2 .                                                                                                                                                                                      |                              |               |
| 56              | 25.14   | 45               | 2.17              | 2840             | 2 5 .                                                                                                                                                                                      |                              |               |
| 49              | 28.48   | 50               | 2.00              | 2840             | 2 8 .                                                                                                                                                                                      |                              |               |
| 42              | 33.71   | 67               | 1.68              | 2826             | 3 2 .                                                                                                                                                                                      |                              |               |
| 38              | 36.43   | 63               | 1.68              | 2826             | 3 6 .                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.37 kW**

4 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 36              | 39.26  | 68               | 1.60              | 2826             | C 0 3 2 1 4 0 . _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 15.5                         | 71            |
| 31              | 45.50  | 90               | 1.35              | 2815             | 4 5 .                                                                                                                                                                                      |                              |               |
| 26              | 53.31  | 104              | 1.21              | 2805             | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 56.19  | 96               | 1.25              | 2815             | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 64.21  | 108              | 1.14              | 2799             | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 74.55  | 143              | 0.99              | 2780             | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 82.83  | 159              | 0.92              | 2780             | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 86.67  | 143              | 0.97              | 2780             | 9 0 .                                                                                                                                                                                      |                              |               |
| 63              | 22.11  | 41               | 3.78              | 5286             | C 0 4 2 1 2 2 . _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 18.5                         | 71            |
| 56              | 25.14  | 46               | 3.47              | 5284             | 2 5 .                                                                                                                                                                                      |                              |               |
| 49              | 28.48  | 52               | 3.21              | 5284             | 2 8 .                                                                                                                                                                                      |                              |               |
| 42              | 33.71  | 68               | 2.82              | 5280             | 3 2 .                                                                                                                                                                                      |                              |               |
| 38              | 36.43  | 65               | 2.69              | 5282             | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 39.26  | 70               | 2.55              | 5282             | 4 0 .                                                                                                                                                                                      |                              |               |
| 31              | 45.50  | 91               | 2.26              | 5282             | 4 5 .                                                                                                                                                                                      |                              |               |
| 26              | 53.31  | 105              | 1.97              | 5274             | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 56.19  | 98               | 2.00              | 5278             | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 64.21  | 110              | 1.82              | 5274             | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 74.55  | 145              | 1.41              | 5266             | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 82.83  | 161              | 1.19              | 5266             | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 86.67  | 146              | 1.54              | 5280             | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 101.54 | 169              | 1.38              | 5270             | 1 0 0                                                                                                                                                                                      |                              |               |
| 10              | 142.00 | 232              | 1.09              | 5250             | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.9             | 157.78 | 255              | 1.00              | 5240             | 1 6 0                                                                                                                                                                                      |                              |               |
| 13              | 105.36 | 200              | 1.02              | 5255             | C 0 4 3 1 1 0 0 _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 21.5                         | 71            |
| 12              | 120.39 | 228              | 0.89              | 5249             | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.10 | 210              | 1.14              | 5255             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.21 | 225              | 1.09              | 5250             | 1 5 0                                                                                                                                                                                      |                              |               |
| 7.0             | 200.68 | 316              | 0.87              | 5230             | 2 0 0                                                                                                                                                                                      |                              |               |
| 19              | 73.37  | 147              | 2.59              | 7434             | C 0 5 2 1 7 1 . _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 21.5                         | 71            |
| 17              | 82.67  | 165              | 2.33              | 7432             | 8 0 .                                                                                                                                                                                      |                              |               |
| 15              | 90.67  | 159              | 3.00              | 7432             | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 98.57  | 171              | 2.82              | 7429             | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 109.07 | 215              | 1.82              | 7432             | 1 1 2                                                                                                                                                                                      |                              |               |
| 11              | 124.00 | 243              | 1.58              | 7434             | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 142.00 | 240              | 2.00              | 7434             | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.8             | 160.00 | 268              | 1.79              | 7424             | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.6             | 211.11 | 349              | 1.38              | 7412             | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.8             | 240.00 | 392              | 1.23              | 7430             | 2 5 0                                                                                                                                                                                      |                              |               |
| 13              | 103.90 | 204              | 1.96              | 7427             | C 0 5 3 1 1 0 0 _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 25.5                         | 71            |
| 12              | 118.73 | 232              | 1.72              | 7422             | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.38 | 219              | 2.19              | 7424             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.51 | 235              | 2.05              | 7422             | 1 5 0                                                                                                                                                                                      |                              |               |
| 8.7             | 160.26 | 309              | 1.28              | 7416             | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.5             | 187.76 | 360              | 1.09              | 7416             | 1 8 0                                                                                                                                                                                      |                              |               |
| 7.0             | 201.10 | 329              | 1.46              | 7422             | 2 0 0                                                                                                                                                                                      |                              |               |
| 6.1             | 229.81 | 374              | 1.29              | 7416             | 2 2 5                                                                                                                                                                                      |                              |               |
| 4.5             | 310.18 | 496              | 0.97              | 7410             | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.9             | 363.40 | 577              | 0.84              | 7390             | 3 6 0                                                                                                                                                                                      |                              |               |
| 17              | 80.94  | 171              | 3.55              | 11909            | C 0 6 2 1 8 0 . _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 34.5                         | 71            |
| 13              | 110.57 | 230              | 2.74              | 11797            | 1 1 2                                                                                                                                                                                      |                              |               |
| 11              | 124.00 | 257              | 2.06              | 11780            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 143.08 | 257              | 2.97              | 11780            | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.9             | 156.67 | 279              | 2.74              | 11780            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.5             | 214.00 | 373              | 2.05              | 11741            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.8             | 240.00 | 415              | 1.84              | 11701            | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.2             | 169.81 | 346              | 2.21              | 11741            | C 0 6 3 1 1 6 0 _ M _ _ _ . 3 7 A -                                                                                                                                                        | 39.5                         | 71            |
| 7.6             | 184.62 | 375              | 2.04              | 11701            | 1 8 0                                                                                                                                                                                      |                              |               |
| 5.3             | 265.95 | 533              | 1.44              | 11609            | 2 6 5                                                                                                                                                                                      |                              |               |
| 4.7             | 299.67 | 599              | 1.28              | 11500            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.3             | 328.67 | 553              | 1.38              | 11600            | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.9             | 357.32 | 599              | 1.28              | 11600            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.5             | 395.39 | 784              | 0.98              | 11400            | 4 0 0                                                                                                                                                                                      |                              |               |
| 8.8             | 159.98 | 340              | 3.94              | 29139            | C 0 7 3 1 1 6 0 _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 86.5                         | 71            |
| 8.2             | 170.81 | 361              | 3.71              | 29145            | 1 8 0                                                                                                                                                                                      |                              |               |
| 7.2             | 194.65 | 389              | 3.05              | 29145            | 2 0 0                                                                                                                                                                                      |                              |               |
| 6.2             | 226.39 | 449              | 2.71              | 29127            | 2 2 5                                                                                                                                                                                      |                              |               |
| 5.6             | 249.94 | 523              | 2.56              | 29109            | 2 6 5                                                                                                                                                                                      |                              |               |
| 5.1             | 273.68 | 572              | 2.34              | 29091            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.4             | 319.95 | 624              | 2.03              | 26917            | 3 1 5                                                                                                                                                                                      |                              |               |
| 4.1             | 341.61 | 665              | 1.91              | 24796            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.7             | 373.83 | 773              | 1.73              | 23910            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.3             | 419.25 | 864              | 1.55              | 29041            | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.8             | 499.88 | 963              | 1.32              | 29001            | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.6             | 547.35 | 1051             | 1.21              | 29001            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.9             | 747.66 | 1411             | 0.89              | 28909            | 8 0 0                                                                                                                                                                                      |                              |               |
| 2.6             | 547.09 | 1125             | 2.41              | 41656            | C 0 8 4 1 5 6 0 _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 143.5                        | 71            |
| 2.2             | 636.31 | 1307             | 2.08              | 41656            | 6 3 0                                                                                                                                                                                      |                              |               |
| 2.0             | 711.92 | 1460             | 1.86              | 41656            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.8             | 758.79 | 1557             | 1.74              | 41656            | 8 0 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.37 kW**

4 POLE

**0.37 kW**

6 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 1.6             | 899.27  | 1842             | 1.47              | 41656            | C 0 8 4 1 9 0 0 _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 143.5                        | 71            |
| 1.5             | 960.14  | 1966             | 1.38              | 41656            | 1 0 C                                                                                                                                                                                      |                              |               |
| 1.3             | 1083.79 | 2210             | 1.29              | 41656            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.2             | 1191.45 | 2432             | 1.12              | 41656            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.99            | 1404.96 | 2860             | 0.95              | 41656            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.91            | 1532.14 | 3086             | 1.06              | 41545            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.74            | 1901.25 | 3822             | 0.86              | 41545            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.67            | 2088.45 | 4183             | 0.80              | 41545            | 2 0 C                                                                                                                                                                                      |                              |               |
| 2.2             | 649.47  | 1363             | 3.51              | 53383            | C 0 9 4 1 6 3 0 _ M _ _ _ . 3 7 A - -                                                                                                                                                      | 211.5                        | 71            |
| 1.9             | 726.65  | 1522             | 3.14              | 53383            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.8             | 774.48  | 1624             | 2.94              | 53383            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.5             | 917.87  | 1921             | 2.49              | 53383            | 9 0 0                                                                                                                                                                                      |                              |               |
| 1.4             | 980.00  | 2050             | 2.33              | 53383            | 1 0 C                                                                                                                                                                                      |                              |               |
| 1.3             | 1088.78 | 2268             | 2.12              | 53383            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.2             | 1216.09 | 2536             | 1.88              | 53383            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.98            | 1434.02 | 2983             | 1.60              | 53383            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.91            | 1537.95 | 3163             | 1.56              | 53383            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.73            | 1908.45 | 3916             | 1.26              | 53383            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.66            | 2106.88 | 4313             | 1.15              | 53383            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.62            | 2250.46 | 4608             | 1.07              | 53383            | 2 2 C                                                                                                                                                                                      |                              |               |
| 0.56            | 2484.44 | 5075             | 0.98              | 53383            | 2 5 C                                                                                                                                                                                      |                              |               |
| 0.51            | 2720.42 | 5549             | 0.89              | 53383            | 2 8 C                                                                                                                                                                                      |                              |               |
| 107             | 8.59    | 27               | 3.26              | 2849             | C 0 3 2 1 8 . 0 _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 19.5                         | 80            |
| 79              | 11.61   | 36               | 2.67              | 2845             | 1 1 .                                                                                                                                                                                      |                              |               |
| 70              | 13.20   | 41               | 2.41              | 2843             | 1 2 .                                                                                                                                                                                      |                              |               |
| 62              | 14.95   | 46               | 2.21              | 2841             | 1 4 .                                                                                                                                                                                      |                              |               |
| 56              | 16.36   | 44               | 2.15              | 2842             | 1 6 .                                                                                                                                                                                      |                              |               |
| 48              | 19.12   | 58               | 1.84              | 2829             | 1 8 .                                                                                                                                                                                      |                              |               |
| 45              | 20.61   | 62               | 1.75              | 2827             | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 22.11   | 59               | 1.75              | 2829             | 2 2 .                                                                                                                                                                                      |                              |               |
| 37              | 25.14   | 66               | 1.60              | 2826             | 2 5 .                                                                                                                                                                                      |                              |               |
| 32              | 28.48   | 75               | 1.47              | 2822             | 2 8 .                                                                                                                                                                                      |                              |               |
| 27              | 33.71   | 101              | 1.23              | 2810             | 3 2 .                                                                                                                                                                                      |                              |               |
| 25              | 36.43   | 94               | 1.24              | 2814             | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 39.26   | 102              | 1.18              | 2810             | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 45.50   | 134              | 1.02              | 2787             | 4 5 .                                                                                                                                                                                      |                              |               |
| 17              | 53.31   | 156              | 0.92              | 2771             | 5 0 .                                                                                                                                                                                      |                              |               |
| 16              | 56.19   | 142              | 0.92              | 2787             | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.21   | 161              | 0.84              | 2771             | 6 3 .                                                                                                                                                                                      |                              |               |
| 62              | 14.95   | 47               | 3.68              | 5283             | C 0 4 2 1 1 4 . _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 22.5                         | 80            |
| 56              | 16.36   | 45               | 3.44              | 5283             | 1 6 .                                                                                                                                                                                      |                              |               |
| 48              | 19.12   | 59               | 3.06              | 5282             | 1 8 .                                                                                                                                                                                      |                              |               |
| 45              | 20.61   | 63               | 2.93              | 5280             | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 22.11   | 60               | 2.80              | 5280             | 2 2 .                                                                                                                                                                                      |                              |               |
| 37              | 25.14   | 68               | 2.55              | 5280             | 2 5 .                                                                                                                                                                                      |                              |               |
| 32              | 28.48   | 77               | 2.35              | 5279             | 2 8 .                                                                                                                                                                                      |                              |               |
| 27              | 33.71   | 102              | 2.04              | 5273             | 3 2 .                                                                                                                                                                                      |                              |               |
| 25              | 36.43   | 97               | 1.98              | 5277             | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 39.26   | 104              | 1.88              | 5274             | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 45.50   | 136              | 1.52              | 5270             | 4 5 .                                                                                                                                                                                      |                              |               |
| 17              | 53.31   | 159              | 1.30              | 5266             | 5 0 .                                                                                                                                                                                      |                              |               |
| 16              | 56.19   | 145              | 1.47              | 5270             | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.21   | 164              | 1.34              | 5262             | 6 3 .                                                                                                                                                                                      |                              |               |
| 12              | 74.55   | 218              | 0.93              | 5255             | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 86.67   | 217              | 1.13              | 5250             | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.1             | 101.54  | 252              | 1.01              | 5240             | 1 0 0                                                                                                                                                                                      |                              |               |
| 6.5             | 142.00  | 345              | 0.81              | 5220             | 1 4 0                                                                                                                                                                                      |                              |               |
| 7.1             | 130.10  | 313              | 0.87              | 5226             | C 0 4 3 1 1 3 2 _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 25.5                         | 80            |
| 6.6             | 140.21  | 337              | 0.82              | 5220             | 1 5 0                                                                                                                                                                                      |                              |               |
| 28              | 32.55   | 101              | 3.81              | 7440             | C 0 5 2 1 3 2 . _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 25.5                         | 80            |
| 23              | 40.74   | 111              | 3.76              | 7440             | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 46.84   | 143              | 2.82              | 7440             | 4 5 .                                                                                                                                                                                      |                              |               |
| 18              | 50.93   | 156              | 2.59              | 7440             | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 55.45   | 149              | 3.00              | 7440             | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 63.00   | 167              | 2.75              | 7440             | 6 3 .                                                                                                                                                                                      |                              |               |
| 13              | 73.37   | 220              | 1.81              | 7424             | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 82.67   | 247              | 1.61              | 7422             | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 90.67   | 235              | 2.05              | 7422             | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.3             | 98.57   | 254              | 1.90              | 7419             | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.4             | 109.07  | 324              | 1.20              | 7416             | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.4             | 124.00  | 365              | 1.04              | 7416             | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.5             | 142.00  | 357              | 1.35              | 7416             | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.8             | 160.00  | 399              | 1.21              | 7404             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.4             | 211.11  | 519              | 0.93              | 4487             | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 240.00  | 585              | 0.82              | 7390             | 2 5 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

## GEARED MOTORS

**0.37 kW**

6 POLE

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 8.9             | 103.90  | 306              | 1.29              | 5761             | C 0 5 3 1 1 0 0 _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 29.5                         | 80            |
| 7.7             | 118.73  | 348              | 1.13              | 5542             | 1 1 8                                                                                                                                                                                      |                              |               |
| 7.1             | 130.38  | 327              | 1.47              | 5542             | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.5             | 140.51  | 350              | 1.38              | 5542             | 1 5 0                                                                                                                                                                                      |                              |               |
| 5.7             | 160.26  | 464              | 0.84              | 4487             | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.6             | 201.10  | 492              | 0.98              | 7399             | 2 0 0                                                                                                                                                                                      |                              |               |
| 4.0             | 229.81  | 558              | 0.86              | 7387             | 2 2 5                                                                                                                                                                                      |                              |               |
| 12              | 73.92   | 236              | 3.24              | 11791            | C 0 6 2 1 7 1 _ M _ _ _ . 3 7 C - -                                                                                                                                                        | 37.5                         | 80            |
| 11              | 80.94   | 256              | 2.69              | 11773            | 8 0 _                                                                                                                                                                                      |                              |               |
| 10              | 91.58   | 252              | 3.03              | 11873            | 9 0 _                                                                                                                                                                                      |                              |               |
| 9.4             | 97.78   | 268              | 2.85              | 11773            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.3             | 110.57  | 346              | 2.06              | 11721            | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.4             | 124.00  | 386              | 1.35              | 11701            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.4             | 143.08  | 381              | 2.01              | 11741            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.9             | 156.67  | 415              | 1.84              | 11701            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.3             | 214.00  | 554              | 1.38              | 11622            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 240.00  | 617              | 1.24              | 11582            | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.9             | 103.86  | 324              | 2.36              | 11800            | C 0 6 3 1 1 0 0 _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 43.5                         | 80            |
| 7.8             | 117.99  | 366              | 2.09              | 11700            | 1 1 8                                                                                                                                                                                      |                              |               |
| 7.1             | 130.00  | 345              | 2.22              | 11800            | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.2             | 147.69  | 389              | 1.97              | 11700            | 1 5 0                                                                                                                                                                                      |                              |               |
| 5.4             | 169.81  | 521              | 1.47              | 11622            | 1 6 0                                                                                                                                                                                      |                              |               |
| 5.0             | 184.62  | 565              | 1.35              | 11582            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.6             | 201.02  | 519              | 1.47              | 11600            | 2 0 0                                                                                                                                                                                      |                              |               |
| 4.0             | 228.38  | 585              | 1.31              | 11600            | 2 2 5                                                                                                                                                                                      |                              |               |
| 3.5             | 265.95  | 803              | 0.95              | 11393            | 2 6 5                                                                                                                                                                                      |                              |               |
| 3.1             | 299.67  | 901              | 0.85              | 11300            | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.8             | 328.67  | 823              | 0.93              | 11400            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.6             | 357.32  | 890              | 0.86              | 11400            | 3 6 0                                                                                                                                                                                      |                              |               |
| 9.2             | 99.79   | 312              | 3.65              | 29200            | C 0 7 2 1 1 0 0 _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 80.5                         | 80            |
| 8.8             | 104.32  | 339              | 3.24              | 29200            | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.9             | 115.92  | 375              | 2.93              | 29200            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.7             | 138.00  | 425              | 2.82              | 29200            | 1 4 0                                                                                                                                                                                      |                              |               |
| 6.1             | 151.12  | 461              | 2.64              | 29200            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.4             | 208.65  | 627              | 2.03              | 29200            | 2 1 2                                                                                                                                                                                      |                              |               |
| 4.0             | 231.83  | 693              | 1.83              | 29200            | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.1             | 113.20  | 366              | 3.65              | 29139            | C 0 7 3 1 1 1 8 _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 89.5                         | 80            |
| 7.4             | 125.04  | 379              | 3.11              | 29200            | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.5             | 141.75  | 432              | 2.80              | 29200            | 1 5 0                                                                                                                                                                                      |                              |               |
| 5.8             | 159.98  | 512              | 2.62              | 29109            | 1 6 0                                                                                                                                                                                      |                              |               |
| 5.4             | 170.81  | 546              | 2.45              | 29109            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.7             | 194.65  | 585              | 2.17              | 29091            | 2 0 0                                                                                                                                                                                      |                              |               |
| 4.1             | 226.39  | 673              | 1.89              | 29120            | 2 2 5                                                                                                                                                                                      |                              |               |
| 3.7             | 249.94  | 789              | 1.70              | 29080            | 2 6 5                                                                                                                                                                                      |                              |               |
| 3.4             | 273.68  | 862              | 1.55              | 29041            | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.9             | 319.95  | 942              | 1.35              | 29041            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.7             | 341.61  | 1004             | 1.26              | 29001            | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.5             | 373.83  | 1167             | 1.15              | 28967            | 4 0 0                                                                                                                                                                                      |                              |               |
| 2.2             | 419.25  | 1303             | 1.03              | 28967            | 4 5 0                                                                                                                                                                                      |                              |               |
| 1.8             | 499.88  | 1443             | 0.87              | 28909            | 5 0 0                                                                                                                                                                                      |                              |               |
| 1.7             | 547.35  | 1574             | 0.80              | 28851            | 5 6 0                                                                                                                                                                                      |                              |               |
| 3.9             | 235.77  | 712              | 3.68              | 41900            | C 0 8 2 1 2 5 0 _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 130.5                        | 80            |
| 1.7             | 547.09  | 1713             | 1.58              | 41656            | C 0 8 4 1 5 6 0 _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 146.5                        | 80            |
| 1.4             | 636.31  | 1990             | 1.36              | 41656            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.3             | 711.92  | 2221             | 1.22              | 41656            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 758.79  | 2368             | 1.15              | 41656            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 899.27  | 2798             | 0.97              | 41656            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.96            | 960.14  | 2984             | 0.91              | 41656            | 1 0 C                                                                                                                                                                                      |                              |               |
| 0.85            | 1083.79 | 3357             | 0.85              | 41656            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.6             | 558.41  | 1785             | 2.68              | 53383            | C 0 9 4 1 5 6 0 _ M _ _ _ . 3 7 C - -                                                                                                                                                      | 214.5                        | 80            |
| 1.4             | 649.47  | 2073             | 2.31              | 53383            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.3             | 726.65  | 2314             | 2.07              | 53383            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 774.48  | 2468             | 1.94              | 53383            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 917.87  | 2917             | 1.64              | 53383            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.94            | 980.00  | 3112             | 1.54              | 53383            | 1 0 C                                                                                                                                                                                      |                              |               |
| 0.84            | 1088.78 | 3445             | 1.40              | 53383            | 1 1 C                                                                                                                                                                                      |                              |               |
| 0.76            | 1216.09 | 3846             | 1.24              | 53383            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.64            | 1434.02 | 4518             | 1.06              | 53383            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.60            | 1537.95 | 4809             | 1.02              | 53383            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.48            | 1908.45 | 5947             | 0.83              | 53383            | 1 8 C                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.55 kW****4 POLE****NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 165             | 8.59   | 26               | 3.06              | 2847             | C 0 3 2 1 8 . 0 _ M _ _ _ . 5 5 A - -                                                                                                                                                      | 19.5                         | 80            |
| 122             | 11.61  | 35               | 2.47              | 2844             | 1 1 .                                                                                                                                                                                      |                              |               |
| 108             | 13.20  | 39               | 2.26              | 2841             | 1 2 .                                                                                                                                                                                      |                              |               |
| 95              | 14.95  | 45               | 2.07              | 2841             | 1 4 .                                                                                                                                                                                      |                              |               |
| 87              | 16.36  | 44               | 1.98              | 2838             | 1 6 .                                                                                                                                                                                      |                              |               |
| 74              | 19.12  | 57               | 1.73              | 2833             | 1 8 .                                                                                                                                                                                      |                              |               |
| 69              | 20.61  | 61               | 1.64              | 2833             | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.11  | 58               | 1.62              | 2833             | 2 2 .                                                                                                                                                                                      |                              |               |
| 56              | 25.14  | 66               | 1.48              | 2825             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.48  | 74               | 1.36              | 2825             | 2 8 .                                                                                                                                                                                      |                              |               |
| 42              | 33.71  | 98               | 1.15              | 2809             | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 36.43  | 93               | 1.15              | 2809             | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 39.26  | 100              | 1.09              | 2809             | 4 0 .                                                                                                                                                                                      |                              |               |
| 31              | 45.50  | 132              | 0.92              | 2790             | 4 5 .                                                                                                                                                                                      |                              |               |
| 27              | 53.31  | 153              | 0.83              | 2780             | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 56.19  | 140              | 0.85              | 2790             | 5 6 .                                                                                                                                                                                      |                              |               |
| 108             | 13.20  | 40               | 3.76              | 5285             | C 0 4 2 1 1 2 . _ M _ _ _ . 5 5 A - -                                                                                                                                                      | 22.5                         | 80            |
| 95              | 14.95  | 46               | 3.45              | 5283             | 1 4 .                                                                                                                                                                                      |                              |               |
| 87              | 16.36  | 45               | 3.17              | 5283             | 1 6 .                                                                                                                                                                                      |                              |               |
| 74              | 19.12  | 58               | 2.88              | 5283             | 1 8 .                                                                                                                                                                                      |                              |               |
| 69              | 20.61  | 62               | 2.74              | 5283             | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.11  | 60               | 2.58              | 5283             | 2 2 .                                                                                                                                                                                      |                              |               |
| 56              | 25.14  | 67               | 2.37              | 5280             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.48  | 76               | 2.19              | 5280             | 2 8 .                                                                                                                                                                                      |                              |               |
| 42              | 33.71  | 99               | 1.92              | 5274             | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 36.43  | 95               | 1.83              | 5276             | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 39.26  | 102              | 1.74              | 5276             | 4 0 .                                                                                                                                                                                      |                              |               |
| 31              | 45.50  | 133              | 1.54              | 5276             | 4 5 .                                                                                                                                                                                      |                              |               |
| 27              | 53.31  | 155              | 1.35              | 5262             | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 56.19  | 143              | 1.36              | 5269             | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 64.21  | 162              | 1.24              | 5262             | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 74.55  | 213              | 0.97              | 5250             | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 82.83  | 236              | 0.81              | 5250             | 8 0 .                                                                                                                                                                                      |                              |               |
| 44              | 32.55  | 99               | 3.44              | 7440             | C 0 5 2 1 3 2 . _ M _ _ _ . 5 5 A - -                                                                                                                                                      | 25.5                         | 80            |
| 40              | 35.86  | 98               | 3.85              | 7440             | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.74  | 110              | 3.51              | 7440             | 4 0 .                                                                                                                                                                                      |                              |               |
| 30              | 46.84  | 141              | 2.71              | 7440             | 4 5 .                                                                                                                                                                                      |                              |               |
| 28              | 50.93  | 152              | 2.56              | 7440             | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 55.45  | 147              | 2.81              | 7440             | 5 6 .                                                                                                                                                                                      |                              |               |
| 23              | 63.00  | 165              | 2.58              | 7440             | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 73.37  | 215              | 1.76              | 7431             | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 82.67  | 241              | 1.59              | 7426             | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 90.67  | 233              | 2.05              | 7426             | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 98.57  | 250              | 1.92              | 7422             | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 109.07 | 316              | 1.24              | 7426             | 1 1 2                                                                                                                                                                                      |                              |               |
| 11              | 124.00 | 357              | 1.08              | 7430             | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 142.00 | 352              | 1.37              | 7430             | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.9             | 160.00 | 394              | 1.22              | 7412             | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.7             | 211.11 | 511              | 0.94              | 7392             | 2 1 2                                                                                                                                                                                      |                              |               |
| 14              | 103.90 | 299              | 1.34              | 7418             | C 0 5 3 1 1 0 0 _ M _ _ _ . 5 5 A - -                                                                                                                                                      | 29.5                         | 80            |
| 12              | 118.73 | 340              | 1.17              | 7409             | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.38 | 321              | 1.50              | 7413             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.51 | 345              | 1.40              | 7409             | 1 5 0                                                                                                                                                                                      |                              |               |
| 8.9             | 160.26 | 453              | 0.87              | 7399             | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.1             | 201.10 | 483              | 1.00              | 7410             | 2 0 0                                                                                                                                                                                      |                              |               |
| 6.2             | 229.81 | 549              | 0.88              | 7400             | 2 2 5                                                                                                                                                                                      |                              |               |
| 22              | 64.80  | 180              | 3.99              | 11896            | C 0 6 2 1 6 3 . _ M _ _ _ . 5 5 A - -                                                                                                                                                      | 37.5                         | 80            |
| 19              | 73.92  | 230              | 3.31              | 11844            | 7 1 .                                                                                                                                                                                      |                              |               |
| 18              | 80.94  | 251              | 2.42              | 11844            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 91.58  | 250              | 3.06              | 11844            | 9 0 .                                                                                                                                                                                      |                              |               |
| 15              | 97.78  | 265              | 2.88              | 11844            | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 110.57 | 338              | 1.87              | 11724            | 1 1 2                                                                                                                                                                                      |                              |               |
| 11              | 124.00 | 376              | 1.41              | 11695            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 143.08 | 377              | 2.03              | 11695            | 1 4 0                                                                                                                                                                                      |                              |               |
| 9.1             | 156.67 | 409              | 1.87              | 11695            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.6             | 214.00 | 548              | 1.40              | 11626            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.9             | 240.00 | 609              | 1.26              | 11558            | 2 5 0                                                                                                                                                                                      |                              |               |
| 14              | 103.86 | 316              | 2.42              | 11800            | C 0 6 3 1 1 0 0 _ M _ _ _ . 5 5 A - -                                                                                                                                                      | 43.5                         | 80            |
| 12              | 117.99 | 358              | 2.14              | 11700            | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.00 | 341              | 2.24              | 11800            | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 147.69 | 384              | 1.99              | 11700            | 1 5 0                                                                                                                                                                                      |                              |               |
| 8.4             | 169.81 | 508              | 1.51              | 11626            | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.7             | 184.62 | 550              | 1.39              | 11558            | 1 8 0                                                                                                                                                                                      |                              |               |
| 7.1             | 201.02 | 512              | 1.50              | 11600            | 2 0 0                                                                                                                                                                                      |                              |               |
| 6.2             | 228.38 | 577              | 1.33              | 11600            | 2 2 5                                                                                                                                                                                      |                              |               |
| 5.3             | 265.95 | 782              | 0.98              | 11400            | 2 6 5                                                                                                                                                                                      |                              |               |
| 19              | 75.56  | 243              | 3.85              | 29200            | C 0 7 2 1 8 0 . _ M _ _ _ . 5 5 A - -                                                                                                                                                      | 80.5                         | 80            |
| 16              | 88.26  | 271              | 3.79              | 29200            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 99.79  | 303              | 3.45              | 29200            | 1 0 0                                                                                                                                                                                      |                              |               |
| 14              | 104.32 | 330              | 2.94              | 29200            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 115.92 | 366              | 2.64              | 29200            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 138.00 | 413              | 2.71              | 29200            | 1 4 0                                                                                                                                                                                      |                              |               |
| 9.4             | 151.12 | 454              | 2.51              | 29200            | 1 6 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

## GEARED MOTORS

**0.55 kW**

4 POLE

| N2<br>RPM                                                                                           | i                                                                                                                                                    | M2<br>Nm                                                                                                    | Fm                                                                                                                                   | N                                                                                                                                   | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed                                                                                     | Ratio                                                                                                                                                | Output<br>Torque                                                                                            | Service<br>Factor                                                                                                                    | Overhung<br>Load                                                                                                                    | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 6.8<br>6.1                                                                                          | 208.65<br>231.83                                                                                                                                     | 612<br>678                                                                                                  | 1.96<br>1.80                                                                                                                         | 29200<br>29200                                                                                                                      | C 0 7 2 1 2 1 2 _ M _ _ _ . 5 5 A -<br>2 5 0                                                                                                                                               | 80.5                         | 80            |
| 13<br>11<br>10<br>8.9<br>8.3<br>7.3<br>6.3<br>5.7<br>5.2<br>4.4<br>4.2<br>3.8<br>3.4<br>2.8<br>2.6  | 113.20<br>125.04<br>141.75<br>159.98<br>170.81<br>194.65<br>226.39<br>249.94<br>273.68<br>319.95<br>341.61<br>373.83<br>419.25<br>499.88<br>547.35   | 356<br>372<br>416<br>498<br>529<br>571<br>658<br>767<br>838<br>915<br>975<br>1133<br>1266<br>1412<br>1540   | 3.76<br>2.96<br>2.69<br>2.69<br>2.53<br>2.08<br>1.85<br>1.74<br>1.60<br>1.39<br>1.30<br>1.18<br>1.06<br>0.90<br>0.82                 | 29125<br>29200<br>29200<br>29096<br>29106<br>29106<br>29075<br>29044<br>29013<br>25273<br>21625<br>20101<br>28926<br>28858<br>28858 | C 0 7 3 1 1 1 8 _ M _ _ _ . 5 5 A -<br>1 3 2<br>1 5 0<br>1 6 0<br>1 8 0<br>2 0 0<br>2 2 5<br>2 6 5<br>2 8 0<br>3 1 5<br>3 6 0<br>4 0 0<br>4 5 0<br>5 0 0<br>5 6 0                          | 89.5                         | 80            |
| 6.0<br>2.6<br>2.2<br>2.0<br>1.9<br>1.6<br>1.5<br>1.3                                                | 235.77<br>547.09<br>636.31<br>711.92<br>758.79<br>899.27<br>960.14<br>1083.79                                                                        | 699<br>1649<br>1916<br>2140<br>2282<br>2700<br>2881<br>3239                                                 | 3.61<br>1.65<br>1.42<br>1.27<br>1.19<br>1.01<br>0.94<br>0.88                                                                         | 41900<br>41656<br>41656<br>41656<br>41656<br>41656<br>41656<br>41656                                                                | C 0 8 2 1 2 5 0 _ M _ _ _ . 5 5 A -<br>C 0 8 4 1 5 6 0 _ M _ _ _ . 5 5 A -<br>6 3 0<br>7 1 0<br>8 0 0<br>9 0 0<br>1 0 C<br>1 1 C                                                           | 130.5<br>146.5               | 80<br>80      |
| 2.5<br>2.2<br>2.0<br>1.8<br>1.5<br>1.4<br>1.3<br>1.2<br>0.99<br>0.92<br>0.74                        | 558.41<br>649.47<br>726.65<br>774.48<br>917.87<br>980.00<br>1088.78<br>1216.09<br>1434.02<br>1537.95<br>1908.45                                      | 1719<br>1998<br>2231<br>2380<br>2816<br>3004<br>3325<br>3717<br>4371<br>4636<br>5740                        | 2.78<br>2.39<br>2.14<br>2.01<br>1.70<br>1.59<br>1.45<br>1.29<br>1.09<br>1.06<br>0.86                                                 | 53383<br>53383<br>53383<br>53383<br>53383<br>53383<br>53383<br>53383<br>53383<br>53383<br>53383                                     | C 0 9 4 1 5 6 0 _ M _ _ _ . 5 5 A -<br>6 3 0<br>7 1 0<br>8 0 0<br>9 0 0<br>1 0 C<br>1 1 C<br>1 2 C<br>1 4 C<br>1 6 C<br>1 8 C                                                              | 214.5                        | 80            |
| 107<br>79<br>70<br>62<br>56<br>48<br>45<br>42<br>37<br>32<br>27<br>25                               | 8.59<br>11.61<br>13.20<br>14.95<br>16.36<br>19.12<br>20.61<br>22.11<br>25.14<br>28.48<br>33.71<br>36.43                                              | 40<br>53<br>61<br>68<br>66<br>87<br>93<br>88<br>99<br>112<br>150<br>140                                     | 2.20<br>1.79<br>1.62<br>1.49<br>1.44<br>1.24<br>1.18<br>1.18<br>1.08<br>0.99<br>0.83<br>0.83                                         | 2841<br>2835<br>2831<br>2828<br>2829<br>2814<br>2810<br>2814<br>2809<br>2802<br>2781<br>2788                                        | C 0 3 2 1 8 . 0 _ M _ _ _ . 5 5 C -<br>1 1 .<br>1 2 .<br>1 4 .<br>1 6 .<br>1 8 .<br>2 0 .<br>2 2 .<br>2 5 .<br>2 8 .<br>3 2 .<br>3 6 .                                                     | 21                           | 80            |
| 107<br>79<br>70<br>62<br>56<br>48<br>45<br>42<br>37<br>32<br>27<br>25<br>23<br>20<br>17<br>16<br>14 | 8.59<br>11.61<br>13.20<br>14.95<br>16.36<br>19.12<br>20.61<br>22.11<br>25.14<br>28.48<br>33.71<br>36.43<br>39.26<br>45.50<br>53.31<br>56.19<br>64.21 | 41<br>55<br>61<br>69<br>68<br>89<br>94<br>90<br>101<br>114<br>152<br>144<br>154<br>203<br>236<br>215<br>244 | 3.64<br>2.96<br>2.70<br>2.47<br>2.32<br>2.06<br>1.97<br>1.88<br>1.72<br>1.58<br>1.37<br>1.33<br>1.27<br>1.02<br>0.87<br>0.99<br>0.90 | 5285<br>5281<br>5279<br>5279<br>5279<br>5277<br>5274<br>5274<br>5271<br>5261<br>5268<br>5263<br>5255<br>5249<br>5255<br>5242        | C 0 4 2 1 8 . 0 _ M _ _ _ . 5 5 C -<br>1 1 .<br>1 2 .<br>1 4 .<br>1 6 .<br>1 8 .<br>2 0 .<br>2 2 .<br>2 5 .<br>2 8 .<br>3 2 .<br>3 6 .<br>4 0 .<br>4 5 .<br>5 0 .<br>5 6 .<br>6 3 .        | 24                           | 80            |
| 50<br>44<br>41<br>37<br>33<br>28<br>26                                                              | 18.53<br>21.05<br>22.56<br>24.86<br>28.24<br>32.55<br>35.86                                                                                          | 87<br>98<br>95<br>104<br>118<br>151<br>147                                                                  | 3.69<br>3.42<br>3.89<br>3.62<br>3.29<br>2.56<br>2.77                                                                                 | 7439<br>7438<br>7439<br>7438<br>7437<br>7435<br>7435                                                                                | C 0 5 2 1 1 8 . _ M _ _ _ . 5 5 C -<br>2 0 .<br>2 2 .<br>2 5 .<br>2 8 .<br>3 2 .<br>3 6 .                                                                                                  | 27                           | 80            |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.55 kW**

6 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 23              | 40.74   | 166              | 2.53              | 7434             | C 0 5 2 1 4 0 . _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 27                           | 80            |
| 20              | 46.84   | 213              | 1.90              | 7432             | 4 5 .                                                                                                                                                                                      |                              |               |
| 18              | 50.93   | 232              | 1.74              | 7430             | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 55.45   | 222              | 2.02              | 7432             | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 63.00   | 249              | 1.85              | 7430             | 6 3 .                                                                                                                                                                                      |                              |               |
| 13              | 73.37   | 328              | 1.22              | 7413             | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 82.67   | 367              | 1.08              | 7409             | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 90.67   | 349              | 1.38              | 7409             | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.3             | 98.57   | 377              | 1.28              | 7404             | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.4             | 109.07  | 481              | 0.81              | 7399             | 1 1 2                                                                                                                                                                                      |                              |               |
| 6.5             | 142.00  | 530              | 0.91              | 7400             | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.8             | 160.00  | 593              | 0.81              | 7378             | 1 6 0                                                                                                                                                                                      |                              |               |
| 8.9             | 103.90  | 455              | 0.87              | 4552             | C 0 5 3 1 1 0 0 _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 31                           | 80            |
| 7.1             | 130.38  | 486              | 0.99              | 4175             | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.5             | 140.51  | 520              | 0.93              | 4175             | 1 5 0                                                                                                                                                                                      |                              |               |
| 19              | 47.32   | 228              | 3.35              | 11865            | C 0 6 2 1 4 5 . _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 39                           | 80            |
| 18              | 50.52   | 242              | 3.15              | 11855            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 55.71   | 236              | 3.19              | 11855            | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.80   | 271              | 2.82              | 11834            | 6 3 .                                                                                                                                                                                      |                              |               |
| 12              | 73.92   | 351              | 2.18              | 11713            | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 80.94   | 380              | 1.81              | 11681            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 91.58   | 375              | 2.04              | 11781            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.4             | 97.78   | 399              | 1.92              | 11681            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.3             | 110.57  | 515              | 1.39              | 11592            | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.4             | 124.00  | 573              | 0.91              | 11558            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.4             | 143.08  | 567              | 1.35              | 11626            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.9             | 156.67  | 617              | 1.24              | 11558            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.3             | 214.00  | 824              | 0.93              | 11422            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 240.00  | 917              | 0.83              | 11353            | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.9             | 103.86  | 482              | 1.59              | 11676            | C 0 6 3 1 1 0 0 _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 45                           | 80            |
| 7.8             | 117.99  | 545              | 1.40              | 11576            | 1 1 8                                                                                                                                                                                      |                              |               |
| 7.1             | 130.00  | 513              | 1.49              | 11676            | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.2             | 147.69  | 578              | 1.32              | 11576            | 1 5 0                                                                                                                                                                                      |                              |               |
| 5.4             | 169.81  | 775              | 0.99              | 11422            | 1 6 0                                                                                                                                                                                      |                              |               |
| 5.0             | 184.62  | 840              | 0.91              | 11353            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.6             | 201.02  | 772              | 0.99              | 11457            | 2 0 0                                                                                                                                                                                      |                              |               |
| 4.0             | 228.38  | 870              | 0.88              | 11410            | 2 2 5                                                                                                                                                                                      |                              |               |
| 18              | 49.90   | 248              | 3.85              | 29180            | C 0 7 2 1 5 0 . _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 82                           | 80            |
| 17              | 53.62   | 254              | 3.97              | 29179            | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 61.62   | 292              | 3.55              | 29179            | 6 3 .                                                                                                                                                                                      |                              |               |
| 13              | 69.00   | 338              | 3.10              | 29172            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 75.56   | 370              | 2.86              | 29165            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 88.26   | 410              | 2.70              | 29168            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.2             | 99.79   | 464              | 2.46              | 29168            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.8             | 104.32  | 505              | 2.18              | 29168            | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.9             | 115.92  | 558              | 1.97              | 29152            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.7             | 138.00  | 631              | 1.90              | 29150            | 1 4 0                                                                                                                                                                                      |                              |               |
| 6.1             | 151.12  | 686              | 1.78              | 29150            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.4             | 208.65  | 932              | 1.36              | 29105            | 2 1 2                                                                                                                                                                                      |                              |               |
| 4.0             | 231.83  | 1030             | 1.23              | 29057            | 2 5 0                                                                                                                                                                                      |                              |               |
| 9.5             | 97.33   | 471              | 2.84              | 29117            | C 0 7 3 1 1 0 0 _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 91                           | 80            |
| 8.1             | 113.20  | 545              | 2.46              | 29096            | 1 1 8                                                                                                                                                                                      |                              |               |
| 7.4             | 125.04  | 564              | 2.09              | 29150            | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.5             | 141.75  | 642              | 1.88              | 29136            | 1 5 0                                                                                                                                                                                      |                              |               |
| 5.8             | 159.98  | 761              | 1.76              | 29044            | 1 6 0                                                                                                                                                                                      |                              |               |
| 5.4             | 170.81  | 812              | 1.65              | 29044            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.7             | 194.65  | 870              | 1.46              | 29013            | 2 0 0                                                                                                                                                                                      |                              |               |
| 4.1             | 226.39  | 1001             | 1.27              | 29063            | 2 2 5                                                                                                                                                                                      |                              |               |
| 3.7             | 249.94  | 1174             | 1.14              | 28995            | 2 6 5                                                                                                                                                                                      |                              |               |
| 3.4             | 273.68  | 1281             | 1.05              | 28926            | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.9             | 319.95  | 1401             | 0.91              | 28926            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.7             | 341.61  | 1493             | 0.85              | 28858            | 3 6 0                                                                                                                                                                                      |                              |               |
| 6.6             | 139.29  | 644              | 3.85              | 41880            | C 0 8 2 1 1 4 0 _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 132                          | 80            |
| 6.0             | 153.00  | 705              | 3.57              | 41880            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.5             | 204.75  | 931              | 2.82              | 41868            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.9             | 235.77  | 1058             | 2.47              | 41868            | 2 5 0                                                                                                                                                                                      |                              |               |
| 1.7             | 547.09  | 2547             | 1.07              | 41656            | C 0 8 4 1 5 6 0 _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 148                          | 80            |
| 1.4             | 636.31  | 2958             | 0.92              | 41656            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.3             | 711.92  | 3301             | 0.82              | 41656            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.6             | 558.41  | 2654             | 1.80              | 53383            | C 0 9 4 1 5 6 0 _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 216                          | 80            |
| 1.4             | 649.47  | 3082             | 1.55              | 53383            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.3             | 726.65  | 3441             | 1.39              | 53383            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 774.48  | 3668             | 1.30              | 53383            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 917.87  | 4337             | 1.10              | 53383            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.94            | 980.00  | 4626             | 1.03              | 53383            | 1 0 C                                                                                                                                                                                      |                              |               |
| 0.84            | 1088.78 | 5121             | 0.94              | 53383            | 1 1 C                                                                                                                                                                                      |                              |               |
| 0.76            | 1216.09 | 5717             | 0.84              | 53383            | 1 2 C                                                                                                                                                                                      |                              |               |
| 1.9             | 495.31  | 2376             | 3.57              | 87299            | C 1 0 4 1 5 0 0 _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 334                          | 80            |
| 1.7             | 544.84  | 2611             | 3.24              | 87299            | 5 6 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

## GEARED MOTORS

**0.55 kW**

6 POLE

**0.75 kW**

4 POLE

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 1.5             | 626.07  | 2997             | 2.83              | 87299            | C 1 0 4 1 6 3 0 _ M _ _ _ . 5 5 C - -                                                                                                                                                      | 334                          | 80            |
| 1.3             | 709.95  | 3391             | 2.50              | 87299            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 783.06  | 3741             | 2.27              | 87299            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 896.77  | 4277             | 1.98              | 87299            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.91            | 1013.93 | 4827             | 1.76              | 87299            | 1 0 C                                                                                                                                                                                      |                              |               |
| 0.82            | 1126.71 | 5342             | 1.55              | 87375            | 1 1 C                                                                                                                                                                                      |                              |               |
| 0.78            | 1175.54 | 5582             | 1.52              | 87299            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.66            | 1402.11 | 6635             | 1.28              | 87299            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.57            | 1606.71 | 7534             | 1.14              | 87299            | 1 6 C                                                                                                                                                                                      |                              |               |
| 0.49            | 1862.80 | 8716             | 0.98              | 87299            | 1 8 C                                                                                                                                                                                      |                              |               |
| 0.43            | 2146.36 | 9991             | 0.86              | 87299            | 2 0 C                                                                                                                                                                                      |                              |               |
| 0.41            | 2221.83 | 10366            | 0.83              | 87299            | 2 2 C                                                                                                                                                                                      |                              |               |
| 165             | 8.59    | 36               | 2.24              | 2841             | C 0 3 2 1 8 . 0 _ M _ _ _ . 7 5 A - -                                                                                                                                                      | 19.5                         | 80            |
| 122             | 11.61   | 48               | 1.81              | 2837             | 1 1 .                                                                                                                                                                                      |                              |               |
| 107             | 13.20   | 54               | 1.65              | 2832             | 1 2 .                                                                                                                                                                                      |                              |               |
| 95              | 14.95   | 62               | 1.51              | 2832             | 1 4 .                                                                                                                                                                                      |                              |               |
| 86              | 16.36   | 60               | 1.44              | 2827             | 1 6 .                                                                                                                                                                                      |                              |               |
| 74              | 19.12   | 78               | 1.27              | 2821             | 1 8 .                                                                                                                                                                                      |                              |               |
| 69              | 20.61   | 84               | 1.20              | 2821             | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.11   | 80               | 1.18              | 2821             | 2 2 .                                                                                                                                                                                      |                              |               |
| 56              | 25.14   | 90               | 1.08              | 2810             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.48   | 101              | 1.00              | 2810             | 2 8 .                                                                                                                                                                                      |                              |               |
| 42              | 33.71   | 134              | 0.84              | 2790             | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 36.43   | 127              | 0.84              | 2790             | 3 6 .                                                                                                                                                                                      |                              |               |
| 165             | 8.59    | 37               | 3.70              | 5287             | C 0 4 2 1 8 . 0 _ M _ _ _ . 7 5 A - -                                                                                                                                                      | 22.5                         | 80            |
| 122             | 11.61   | 49               | 3.01              | 5283             | 1 1 .                                                                                                                                                                                      |                              |               |
| 107             | 13.20   | 56               | 2.75              | 5283             | 1 2 .                                                                                                                                                                                      |                              |               |
| 95              | 14.95   | 62               | 2.52              | 5280             | 1 4 .                                                                                                                                                                                      |                              |               |
| 86              | 16.36   | 62               | 2.32              | 5280             | 1 6 .                                                                                                                                                                                      |                              |               |
| 74              | 19.12   | 79               | 2.11              | 5280             | 1 8 .                                                                                                                                                                                      |                              |               |
| 69              | 20.61   | 85               | 2.00              | 5280             | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.11   | 82               | 1.89              | 5280             | 2 2 .                                                                                                                                                                                      |                              |               |
| 56              | 25.14   | 93               | 1.73              | 5276             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.48   | 104              | 1.60              | 5276             | 2 8 .                                                                                                                                                                                      |                              |               |
| 42              | 33.71   | 136              | 1.41              | 5267             | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 36.43   | 131              | 1.34              | 5270             | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 39.26   | 140              | 1.27              | 5270             | 4 0 .                                                                                                                                                                                      |                              |               |
| 31              | 45.50   | 182              | 1.13              | 5270             | 4 5 .                                                                                                                                                                                      |                              |               |
| 27              | 53.31   | 212              | 0.98              | 5250             | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 56.19   | 196              | 1.00              | 5260             | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 64.21   | 222              | 0.91              | 5250             | 6 3 .                                                                                                                                                                                      |                              |               |
| 76              | 18.53   | 79               | 3.57              | 7440             | C 0 5 2 1 1 8 . _ M _ _ _ . 7 5 A - -                                                                                                                                                      | 25.5                         | 80            |
| 67              | 21.05   | 89               | 3.30              | 7439             | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 22.56   | 87               | 3.94              | 7439             | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 24.86   | 95               | 3.68              | 7439             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.24   | 107              | 3.37              | 7438             | 2 8 .                                                                                                                                                                                      |                              |               |
| 43              | 32.55   | 135              | 2.51              | 7437             | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 35.86   | 134              | 2.81              | 7437             | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.74   | 151              | 2.56              | 7437             | 4 0 .                                                                                                                                                                                      |                              |               |
| 30              | 46.84   | 193              | 1.98              | 7437             | 4 5 .                                                                                                                                                                                      |                              |               |
| 28              | 50.93   | 208              | 1.87              | 7435             | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 55.45   | 201              | 2.06              | 7435             | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 63.00   | 226              | 1.89              | 7433             | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 73.37   | 295              | 1.29              | 7427             | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 82.67   | 330              | 1.16              | 7420             | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 90.67   | 319              | 1.50              | 7420             | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 98.57   | 343              | 1.41              | 7414             | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 109.07  | 432              | 0.91              | 7420             | 1 1 2                                                                                                                                                                                      |                              |               |
| 8.8             | 160.00  | 539              | 0.89              | 7400             | 1 6 0                                                                                                                                                                                      |                              |               |
| 14              | 103.90  | 409              | 0.98              | 7407             | C 0 5 3 1 1 0 0 _ M _ _ _ . 7 5 A - -                                                                                                                                                      | 29.5                         | 80            |
| 12              | 118.73  | 465              | 0.86              | 7395             | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.38  | 440              | 1.09              | 7401             | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 140.51  | 472              | 1.02              | 7395             | 1 5 0                                                                                                                                                                                      |                              |               |
| 30              | 47.32   | 205              | 3.38              | 11868            | C 0 6 2 1 4 5 . _ M _ _ _ . 7 5 A - -                                                                                                                                                      | 37.5                         | 80            |
| 28              | 50.52   | 218              | 3.24              | 11848            | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 55.71   | 215              | 3.24              | 11878            | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 64.80   | 247              | 2.91              | 11848            | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 73.92   | 314              | 2.42              | 11771            | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 80.94   | 344              | 1.77              | 11771            | 8 0 .                                                                                                                                                                                      |                              |               |
| 15              | 91.58   | 342              | 2.24              | 11771            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 97.78   | 363              | 2.11              | 11771            | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 110.57  | 462              | 1.37              | 11642            | 1 1 2                                                                                                                                                                                      |                              |               |
| 11              | 124.00  | 515              | 1.03              | 11600            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 143.08  | 516              | 1.48              | 11600            | 1 4 0                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.75 kW**

4 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM                                                                                           | i                                                                                                                                                 | M2<br>Nm                                                                                                      | Fm                                                                                                           | N                                                                                                                          | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed                                                                                     | Ratio                                                                                                                                             | Output<br>Torque                                                                                              | Service<br>Factor                                                                                            | Overhung<br>Load                                                                                                           | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 9<br>6.6<br>5.9                                                                                     | 156.67<br>214.00<br>240.00                                                                                                                        | 560<br>749<br>833                                                                                             | 1.37<br>1.02<br>0.92                                                                                         | 11600<br>11500<br>11400                                                                                                    | C 0 6 2 1 1 6 0 _ M _ _ _ . 7 5 A - -<br>2 1 2<br>2 5 0                                                                                                                                    | 37.5                         | 80            |
| 14<br>12<br>11<br>10<br>8.3<br>7.7<br>7.0<br>6.2                                                    | 103.86<br>117.99<br>130.00<br>147.69<br>169.81<br>184.62<br>201.02<br>228.38                                                                      | 432<br>490<br>467<br>525<br>695<br>753<br>700<br>790                                                          | 1.77<br>1.56<br>1.64<br>1.46<br>1.10<br>1.02<br>1.09<br>0.97                                                 | 11690<br>11590<br>11690<br>11627<br>11500<br>11400<br>11500<br>11400                                                       | C 0 6 3 1 1 0 0 _ M _ _ _ . 7 5 A - -<br>1 1 8<br>1 3 2<br>1 5 0<br>1 6 0<br>1 8 0<br>2 0 0<br>2 2 5                                                                                       | 43.5                         | 80            |
| 28<br>23<br>21<br>19<br>16<br>14<br>14<br>12<br>10<br>9.4<br>6.8<br>6.1                             | 49.90<br>61.62<br>69.00<br>75.56<br>88.26<br>99.79<br>104.32<br>115.92<br>138.00<br>151.12<br>208.65<br>231.83                                    | 222<br>262<br>304<br>333<br>371<br>415<br>452<br>502<br>566<br>621<br>838<br>928                              | 3.96<br>3.70<br>3.04<br>2.81<br>2.77<br>2.52<br>2.15<br>1.93<br>1.98<br>1.83<br>1.43<br>1.31                 | 29187<br>29182<br>29182<br>29176<br>29175<br>29175<br>29175<br>29163<br>29157<br>29157<br>29127<br>29090                   | C 0 7 2 1 5 0 _ M _ _ _ . 7 5 A - -<br>6 3 .<br>7 1 .<br>8 0 .<br>9 0 .<br>1 0 0<br>1 1 2<br>1 2 5<br>1 4 0<br>1 6 0<br>2 1 2<br>2 5 0                                                     | 80.5                         | 80            |
| 15<br>13<br>11<br>10<br>8.8<br>8.3<br>7.3<br>6.3<br>5.7<br>5.2<br>4.4<br>4.1<br>3.8                 | 97.33<br>113.20<br>125.04<br>141.75<br>159.98<br>170.81<br>194.65<br>226.39<br>249.94<br>273.68<br>319.95<br>341.61<br>373.83                     | 422<br>488<br>509<br>570<br>682<br>725<br>781<br>901<br>1050<br>1148<br>1252<br>1335<br>1550                  | 3.17<br>2.75<br>2.16<br>1.96<br>1.96<br>1.85<br>1.52<br>1.35<br>1.28<br>1.17<br>1.01<br>0.95<br>0.86         | 29134<br>29090<br>29159<br>29163<br>29048<br>29063<br>29063<br>29017<br>28971<br>28926<br>23447<br>18101<br>15869          | C 0 7 3 1 1 0 0 _ M _ _ _ . 7 5 A - -<br>1 1 8<br>1 3 2<br>1 5 0<br>1 6 0<br>1 8 0<br>2 0 0<br>2 2 5<br>2 6 5<br>2 8 0<br>3 1 5<br>3 6 0<br>4 0 0                                          | 89.5                         | 80            |
| 10<br>9.2<br>6.9<br>6.0                                                                             | 139.29<br>153.00<br>204.75<br>235.77                                                                                                              | 578<br>633<br>836<br>957                                                                                      | 3.99<br>3.71<br>2.95<br>2.64                                                                                 | 41882<br>41883<br>41867<br>41875                                                                                           | C 0 8 2 1 1 4 0 _ M _ _ _ . 7 5 A - -<br>1 6 0<br>2 1 2<br>2 5 0                                                                                                                           | 130.5                        | 80            |
| 2.6<br>2.2<br>2.0<br>1.9                                                                            | 547.09<br>636.31<br>711.92<br>758.79                                                                                                              | 2256<br>2622<br>2929<br>3123                                                                                  | 1.20<br>1.04<br>0.93<br>0.87                                                                                 | 41656<br>41656<br>41656<br>41656                                                                                           | C 0 8 4 1 5 6 0 _ M _ _ _ . 7 5 A - -<br>6 3 0<br>7 1 0<br>8 0 0                                                                                                                           | 146.5                        | 80            |
| 2.5<br>2.2<br>1.9<br>1.8<br>1.5<br>1.4<br>1.3<br>1.2                                                | 558.41<br>649.47<br>726.65<br>774.48<br>917.87<br>980.00<br>1088.78<br>1216.09                                                                    | 2353<br>2734<br>3054<br>3257<br>3853<br>4111<br>4550<br>5087                                                  | 2.03<br>1.75<br>1.57<br>1.47<br>1.24<br>1.16<br>1.06<br>0.94                                                 | 53383<br>53383<br>53383<br>53383<br>53383<br>53383<br>53383<br>53383                                                       | C 0 9 4 1 5 6 0 _ M _ _ _ . 7 5 A - -<br>6 3 0<br>7 1 0<br>8 0 0<br>9 0 0<br>1 0 C<br>1 1 C<br>1 2 C                                                                                       | 214.5                        | 80            |
| 2.6<br>2.3<br>2.0<br>1.8<br>1.6<br>1.4<br>1.3<br>1.2<br>1.0<br>0.88<br>0.76<br>0.66<br>0.64<br>0.55 | 544.84<br>626.07<br>709.95<br>783.06<br>896.77<br>1013.93<br>1126.71<br>1175.54<br>1402.11<br>1606.71<br>1862.80<br>2146.36<br>2221.83<br>2560.05 | 2314<br>2657<br>3008<br>3319<br>3797<br>4288<br>4744<br>4962<br>5904<br>6682<br>7737<br>8864<br>9211<br>10553 | 3.66<br>3.19<br>2.82<br>2.55<br>2.23<br>1.98<br>1.75<br>1.71<br>1.44<br>1.28<br>1.11<br>0.97<br>0.93<br>0.81 | 87299<br>87299<br>87299<br>87299<br>87299<br>87299<br>87375<br>87299<br>87299<br>87299<br>87299<br>87299<br>87299<br>87299 | C 1 0 4 1 5 6 0 _ M _ _ _ . 7 5 A - -<br>6 3 0<br>7 1 0<br>8 0 0<br>9 0 0<br>1 0 C<br>1 1 C<br>1 2 C<br>1 4 C<br>1 6 C<br>1 8 C<br>2 0 C<br>2 2 C<br>2 5 C                                 | 332.5                        | 80            |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.75 kW**

6 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 107             | 8.59   | 55               | 1.61              | 2832             | C 0 3 2 1 8 . 0 _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 24.5                         | 90S           |
| 79              | 11.61  | 73               | 1.32              | 2823             | 1 1 .                                                                                                                                                                                      |                              |               |
| 70              | 13.20  | 83               | 1.19              | 2818             | 1 2 .                                                                                                                                                                                      |                              |               |
| 62              | 14.95  | 93               | 1.09              | 2814             | 1 4 .                                                                                                                                                                                      |                              |               |
| 56              | 16.36  | 90               | 1.06              | 2815             | 1 6 .                                                                                                                                                                                      |                              |               |
| 48              | 19.12  | 118              | 0.91              | 2798             | C 0 3 2 1 1 8 . _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 24.5                         | 90S           |
| 45              | 20.61  | 127              | 0.86              | 2792             | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 22.11  | 120              | 0.87              | 2798             | 2 2 .                                                                                                                                                                                      |                              |               |
| 107             | 8.59   | 56               | 2.67              | 5283             | C 0 4 2 1 8 . 0 _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 26.5                         | 90S           |
| 79              | 11.61  | 75               | 2.17              | 5277             | 1 1 .                                                                                                                                                                                      |                              |               |
| 70              | 13.20  | 84               | 1.98              | 5274             | 1 2 .                                                                                                                                                                                      |                              |               |
| 62              | 14.95  | 95               | 1.81              | 5274             | 1 4 .                                                                                                                                                                                      |                              |               |
| 56              | 16.36  | 92               | 1.70              | 5274             | 1 6 .                                                                                                                                                                                      |                              |               |
| 48              | 19.12  | 121              | 1.51              | 5271             | 1 8 .                                                                                                                                                                                      |                              |               |
| 45              | 20.61  | 129              | 1.44              | 5267             | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 22.11  | 123              | 1.38              | 5267             | 2 2 .                                                                                                                                                                                      |                              |               |
| 37              | 25.14  | 138              | 1.26              | 5267             | 2 5 .                                                                                                                                                                                      |                              |               |
| 32              | 28.48  | 156              | 1.16              | 5262             | 2 8 .                                                                                                                                                                                      |                              |               |
| 27              | 33.71  | 207              | 1.01              | 5248             | 3 2 .                                                                                                                                                                                      |                              |               |
| 25              | 36.43  | 196              | 0.97              | 5257             | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 39.26  | 210              | 0.93              | 5251             | 4 0 .                                                                                                                                                                                      |                              |               |
| 79              | 11.66  | 76               | 3.60              | 7440             | C 0 5 2 1 1 1 . _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 30.5                         | 90S           |
| 72              | 12.85  | 84               | 3.40              | 7440             | 1 2 .                                                                                                                                                                                      |                              |               |
| 63              | 14.59  | 95               | 3.14              | 7440             | 1 4 .                                                                                                                                                                                      |                              |               |
| 57              | 16.09  | 95               | 3.65              | 7440             | 1 6 .                                                                                                                                                                                      |                              |               |
| 50              | 18.53  | 119              | 2.71              | 7437             | 1 8 .                                                                                                                                                                                      |                              |               |
| 44              | 21.05  | 134              | 2.50              | 7435             | 2 0 .                                                                                                                                                                                      |                              |               |
| 41              | 22.56  | 130              | 2.85              | 7437             | 2 2 .                                                                                                                                                                                      |                              |               |
| 37              | 24.86  | 142              | 2.66              | 7435             | 2 5 .                                                                                                                                                                                      |                              |               |
| 33              | 28.24  | 161              | 2.41              | 7433             | 2 8 .                                                                                                                                                                                      |                              |               |
| 28              | 32.55  | 206              | 1.88              | 7429             | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 35.86  | 201              | 2.03              | 7429             | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 40.74  | 226              | 1.85              | 7427             | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 46.84  | 291              | 1.39              | 7423             | 4 5 .                                                                                                                                                                                      |                              |               |
| 18              | 50.93  | 316              | 1.28              | 7419             | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 55.45  | 302              | 1.48              | 7423             | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 63.00  | 340              | 1.35              | 7419             | 6 3 .                                                                                                                                                                                      |                              |               |
| 13              | 73.37  | 447              | 0.89              | 7401             | 7 1 .                                                                                                                                                                                      |                              |               |
| 10              | 90.67  | 476              | 1.01              | 7395             | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.3             | 98.57  | 515              | 0.94              | 7388             | 1 0 0                                                                                                                                                                                      |                              |               |
| 33              | 28.18  | 170              | 3.82              | 11937            | C 0 6 2 1 2 8 . _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 42.5                         | 90S           |
| 27              | 33.48  | 223              | 3.17              | 11816            | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 35.79  | 213              | 3.22              | 11826            | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 40.57  | 239              | 2.94              | 11813            | 4 0 .                                                                                                                                                                                      |                              |               |
| 19              | 47.32  | 312              | 2.45              | 11803            | 4 5 .                                                                                                                                                                                      |                              |               |
| 18              | 50.52  | 331              | 2.31              | 11787            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 55.71  | 322              | 2.34              | 11787            | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.80  | 370              | 2.07              | 11757            | 6 3 .                                                                                                                                                                                      |                              |               |
| 12              | 73.92  | 479              | 1.60              | 11626            | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 80.94  | 519              | 1.33              | 11580            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 91.58  | 512              | 1.49              | 11680            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.4             | 97.78  | 544              | 1.41              | 11580            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.3             | 110.57 | 703              | 1.02              | 11450            | 1 1 2                                                                                                                                                                                      |                              |               |
| 6.4             | 143.08 | 773              | 0.99              | 11500            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.9             | 156.67 | 841              | 0.91              | 11400            | 1 6 0                                                                                                                                                                                      |                              |               |
| 8.9             | 103.86 | 658              | 1.16              | 11539            | C 0 6 3 1 1 0 0 _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 47.5                         | 90S           |
| 7.8             | 117.99 | 743              | 1.03              | 11439            | 1 1 8                                                                                                                                                                                      |                              |               |
| 7.1             | 130.00 | 700              | 1.09              | 11539            | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.2             | 147.69 | 788              | 0.97              | 11439            | 1 5 0                                                                                                                                                                                      |                              |               |
| 21              | 44.13  | 300              | 3.14              | 29168            | C 0 7 2 1 4 5 . _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 84.5                         | 90S           |
| 18              | 49.90  | 339              | 2.82              | 29158            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 53.62  | 346              | 2.91              | 29156            | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 61.62  | 398              | 2.61              | 29156            | 6 3 .                                                                                                                                                                                      |                              |               |
| 13              | 69.00  | 461              | 2.27              | 29142            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 75.56  | 505              | 2.10              | 29127            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 88.26  | 560              | 1.98              | 29132            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.2             | 99.79  | 632              | 1.80              | 29132            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.8             | 104.32 | 688              | 1.60              | 29132            | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.9             | 115.92 | 761              | 1.44              | 29099            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.7             | 138.00 | 861              | 1.39              | 29095            | 1 4 0                                                                                                                                                                                      |                              |               |
| 6.1             | 151.12 | 936              | 1.30              | 29095            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.4             | 208.65 | 1270             | 1.00              | 29000            | 2 1 2                                                                                                                                                                                      |                              |               |
| 4.0             | 231.83 | 1405             | 0.90              | 28900            | 2 5 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**0.75 kW**

6 POLE

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 9.5             | 97.33   | 643              | 2.08              | 29078            | C 0 7 3 1 1 0 0 _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 93.5                         | 90S           |
| 8.1             | 113.20  | 743              | 1.8               | 29048            | 1 1 8                                                                                                                                                                                      |                              |               |
| 7.4             | 125.04  | 769              | 1.53              | 29096            | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.5             | 141.75  | 876              | 1.38              | 29065            | 1 5 0                                                                                                                                                                                      |                              |               |
| 5.8             | 159.98  | 1038             | 1.29              | 28971            | 1 6 0                                                                                                                                                                                      |                              |               |
| 5.4             | 170.81  | 1107             | 1.21              | 28971            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.7             | 194.65  | 1187             | 1.07              | 28926            | 2 0 0                                                                                                                                                                                      |                              |               |
| 4.1             | 226.39  | 1365             | 0.93              | 29000            | 2 2 5                                                                                                                                                                                      |                              |               |
| 3.7             | 249.94  | 1601             | 0.84              | 28900            | 2 6 5                                                                                                                                                                                      |                              |               |
| 9.3             | 98.53   | 631              | 3.71              | 41871            | C 0 8 2 1 1 0 0 _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 134.5                        | 90S           |
| 7.8             | 117.89  | 782              | 3.72              | 41879            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.6             | 139.29  | 878              | 2.82              | 41858            | 1 4 0                                                                                                                                                                                      |                              |               |
| 6.0             | 153.00  | 962              | 2.62              | 41858            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.5             | 204.75  | 1270             | 2.07              | 41832            | C 0 8 2 1 2 1 2 _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 134.5                        | 90S           |
| 3.9             | 235.77  | 1443             | 1.81              | 41832            | 2 5 0                                                                                                                                                                                      |                              |               |
| 3.7             | 249.73  | 1526             | 3.65              | 53800            | C 0 9 2 1 2 5 0 _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 197.5                        | 90S           |
| 1.6             | 558.41  | 3619             | 1.32              | 53383            | C 0 9 4 1 5 6 0 _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 218.5                        | 90S           |
| 1.4             | 649.47  | 4203             | 1.14              | 53383            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.3             | 726.65  | 4692             | 1.02              | 53383            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 774.48  | 5003             | 0.96              | 53383            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 917.87  | 5914             | 0.81              | 53383            | 9 0 0                                                                                                                                                                                      |                              |               |
| 1.9             | 495.31  | 3240             | 2.62              | 87299            | C 1 0 4 1 5 0 0 _ M _ _ _ . 7 5 C - -                                                                                                                                                      | 336.5                        | 90S           |
| 1.7             | 544.84  | 3561             | 2.38              | 87299            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.5             | 626.07  | 4087             | 2.07              | 87299            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.3             | 709.95  | 4625             | 1.83              | 87299            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 783.06  | 5101             | 1.66              | 87299            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 896.77  | 5832             | 1.45              | 87299            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.91            | 1013.93 | 6582             | 1.29              | 87299            | 1 0 C                                                                                                                                                                                      |                              |               |
| 0.82            | 1126.71 | 7285             | 1.14              | 87375            | 1 1 C                                                                                                                                                                                      |                              |               |
| 0.78            | 1175.54 | 7612             | 1.11              | 87299            | 1 2 C                                                                                                                                                                                      |                              |               |
| 0.66            | 1402.11 | 9048             | 0.94              | 87299            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.57            | 1606.71 | 10274            | 0.83              | 87299            | 1 6 C                                                                                                                                                                                      |                              |               |
| 164             | 8.59    | 53               | 1.52              | 2831             | C 0 3 2 1 8 . 0 _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 24.5                         | 90S           |
| 121             | 11.61   | 71               | 1.23              | 2824             | 1 1 .                                                                                                                                                                                      |                              |               |
| 107             | 13.20   | 80               | 1.12              | 2817             | 1 2 .                                                                                                                                                                                      |                              |               |
| 94              | 14.95   | 91               | 1.03              | 2817             | 1 4 .                                                                                                                                                                                      |                              |               |
| 86              | 16.36   | 88               | 0.98              | 2810             | 1 6 .                                                                                                                                                                                      |                              |               |
| 74              | 19.12   | 115              | 0.86              | 2800             | 1 8 .                                                                                                                                                                                      |                              |               |
| 68              | 20.61   | 123              | 0.82              | 2800             | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.11   | 117              | 0.80              | 2800             | 2 2 .                                                                                                                                                                                      |                              |               |
| 164             | 8.59    | 54               | 2.51              | 5286             | C 0 4 2 1 8 . 0 _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 26.5                         | 90S           |
| 121             | 11.61   | 72               | 2.04              | 5279             | 1 1 .                                                                                                                                                                                      |                              |               |
| 107             | 13.20   | 82               | 1.87              | 5280             | 1 2 .                                                                                                                                                                                      |                              |               |
| 94              | 14.95   | 92               | 1.71              | 5275             | 1 4 .                                                                                                                                                                                      |                              |               |
| 86              | 16.36   | 91               | 1.57              | 5275             | 1 6 .                                                                                                                                                                                      |                              |               |
| 74              | 19.12   | 117              | 1.43              | 5275             | 1 8 .                                                                                                                                                                                      |                              |               |
| 68              | 20.61   | 125              | 1.36              | 5275             | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.11   | 121              | 1.28              | 5275             | 2 2 .                                                                                                                                                                                      |                              |               |
| 56              | 25.14   | 136              | 1.18              | 5268             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.48   | 153              | 1.09              | 5268             | 2 8 .                                                                                                                                                                                      |                              |               |
| 42              | 33.71   | 201              | 0.95              | 5254             | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 36.43   | 193              | 0.91              | 5260             | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 39.26   | 206              | 0.87              | 5260             | 4 0 .                                                                                                                                                                                      |                              |               |
| 170             | 8.31    | 53               | 3.88              | 7440             | C 0 5 2 1 8 . 0 _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 30.5                         | 90S           |
| 121             | 11.66   | 74               | 3.20              | 7440             | 1 1 .                                                                                                                                                                                      |                              |               |
| 110             | 12.85   | 81               | 3.02              | 7440             | 1 2 .                                                                                                                                                                                      |                              |               |
| 97              | 14.59   | 92               | 2.80              | 7438             | 1 4 .                                                                                                                                                                                      |                              |               |
| 88              | 16.09   | 93               | 3.41              | 7440             | 1 6 .                                                                                                                                                                                      |                              |               |
| 76              | 18.53   | 116              | 2.42              | 7440             | 1 8 .                                                                                                                                                                                      |                              |               |
| 67              | 21.05   | 131              | 2.25              | 7437             | 2 0 .                                                                                                                                                                                      |                              |               |
| 62              | 22.56   | 128              | 2.68              | 7437             | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 24.86   | 140              | 2.50              | 7437             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.24   | 158              | 2.29              | 7435             | 2 8 .                                                                                                                                                                                      |                              |               |
| 43              | 32.55   | 199              | 1.71              | 7433             | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 35.86   | 197              | 1.91              | 7433             | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.74   | 222              | 1.74              | 7433             | 4 0 .                                                                                                                                                                                      |                              |               |
| 30              | 46.84   | 284              | 1.34              | 7434             | 4 5 .                                                                                                                                                                                      |                              |               |
| 28              | 50.93   | 307              | 1.27              | 7428             | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 55.45   | 297              | 1.40              | 7428             | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 63.00   | 333              | 1.28              | 7422             | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 73.37   | 434              | 0.88              | 7420             | 7 1 .                                                                                                                                                                                      |                              |               |
| 16              | 90.67   | 470              | 1.02              | 7410             | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 98.57   | 504              | 0.95              | 7400             | 1 0 0                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**1.1 kW**

4 POLE

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 67              | 20.96  | 137              | 3.86              | 11944            | C 0 6 2 1 2 0 . _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 42.5                         | 90S           |
| 56              | 25.11  | 149              | 3.97              | 11944            | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.18  | 167              | 3.65              | 11936            | 2 8 .                                                                                                                                                                                      |                              |               |
| 42              | 33.48  | 216              | 2.88              | 11820            | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 35.79  | 208              | 3.05              | 11836            | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.57  | 235              | 2.77              | 11832            | 4 0 .                                                                                                                                                                                      |                              |               |
| 30              | 47.32  | 302              | 2.30              | 11795            | 4 5 .                                                                                                                                                                                      |                              |               |
| 28              | 50.52  | 322              | 2.20              | 11764            | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 55.71  | 317              | 2.20              | 11811            | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 64.80  | 364              | 1.98              | 11764            | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 73.92  | 463              | 1.64              | 11644            | 7 1 .                                                                                                                                                                                      |                              |               |
| 17              | 80.94  | 506              | 1.20              | 11644            | 8 0 .                                                                                                                                                                                      |                              |               |
| 15              | 91.58  | 503              | 1.52              | 11644            | C 0 6 2 1 9 0 . _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 42.5                         | 90S           |
| 14              | 97.78  | 534              | 1.43              | 11644            | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 110.57 | 680              | 0.93              | 11500            | 1 1 2                                                                                                                                                                                      |                              |               |
| 14              | 103.86 | 637              | 1.20              | 11500            | C 0 6 3 1 1 0 0 _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 47.5                         | 90S           |
| 12              | 117.99 | 722              | 1.06              | 11400            | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 130.00 | 687              | 1.11              | 11500            | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 147.69 | 773              | 0.99              | 11500            | 1 5 0                                                                                                                                                                                      |                              |               |
| 46              | 30.81  | 205              | 3.86              | 29049            | C 0 7 2 1 3 2 . _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 84.5                         | 90S           |
| 32              | 44.13  | 290              | 3.00              | 29166            | 4 5 .                                                                                                                                                                                      |                              |               |
| 28              | 49.90  | 327              | 2.69              | 29166            | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 53.62  | 338              | 2.79              | 29168            | 5 6 .                                                                                                                                                                                      |                              |               |
| 23              | 61.62  | 386              | 2.51              | 29152            | 6 3 .                                                                                                                                                                                      |                              |               |
| 20              | 69.00  | 448              | 2.07              | 29152            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 75.56  | 490              | 1.91              | 29136            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 88.26  | 547              | 1.88              | 29133            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 99.79  | 612              | 1.71              | 29133            | 1 0 0                                                                                                                                                                                      |                              |               |
| 14              | 104.32 | 665              | 1.46              | 29133            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 115.92 | 739              | 1.31              | 29100            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 138.00 | 833              | 1.34              | 29084            | 1 4 0                                                                                                                                                                                      |                              |               |
| 9.3             | 151.12 | 914              | 1.25              | 29084            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.8             | 208.65 | 1234             | 0.97              | 29000            | 2 1 2                                                                                                                                                                                      |                              |               |
| 6.1             | 231.83 | 1366             | 0.89              | 28900            | 2 5 0                                                                                                                                                                                      |                              |               |
| 14              | 97.33  | 621              | 2.16              | 29097            | C 0 7 3 1 1 0 0 _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 93.5                         | 90S           |
| 12              | 113.20 | 718              | 1.87              | 29029            | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 125.04 | 749              | 1.47              | 29087            | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 141.75 | 839              | 1.33              | 29100            | 1 5 0                                                                                                                                                                                      |                              |               |
| 16              | 87.29  | 546              | 3.88              | 41877            | C 0 8 2 1 9 0 . _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 134.5                        | 90S           |
| 14              | 98.53  | 612              | 3.53              | 41884            | 1 0 0                                                                                                                                                                                      |                              |               |
| 12              | 117.89 | 756              | 3.77              | 41868            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 139.29 | 851              | 2.71              | 41852            | 1 4 0                                                                                                                                                                                      |                              |               |
| 9.2             | 153.00 | 932              | 2.52              | 41855            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.9             | 204.75 | 1230             | 2.01              | 41810            | 2 1 2                                                                                                                                                                                      |                              |               |
| 6.0             | 235.77 | 1409             | 1.79              | 41833            | 2 5 0                                                                                                                                                                                      |                              |               |
| 9.0             | 156.45 | 952              | 2.85              | 41656            | C 0 8 4 1 1 6 0 _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 150.5                        | 90S           |
| 8.0             | 176.60 | 1069             | 2.66              | 41656            | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.4             | 219.96 | 1338             | 2.03              | 41656            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.7             | 248.29 | 1503             | 1.89              | 41656            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.1             | 276.74 | 1683             | 1.61              | 41656            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.5             | 312.37 | 1891             | 1.50              | 41656            | 3 1 5                                                                                                                                                                                      |                              |               |
| 4.0             | 351.44 | 2137             | 1.27              | 41656            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.5             | 398.40 | 2421             | 1.12              | 41656            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.1             | 449.70 | 2720             | 1.05              | 41656            | 4 5 0                                                                                                                                                                                      |                              |               |
| 3.0             | 475.14 | 2886             | 0.94              | 41656            | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.6             | 547.09 | 3321             | 0.82              | 41656            | 5 6 0                                                                                                                                                                                      |                              |               |
| 5.6             | 249.73 | 1485             | 3.76              | 53800            | C 0 9 2 1 2 5 0 _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 197.5                        | 90S           |
| 6.3             | 224.51 | 1396             | 3.42              | 53383            | C 0 9 4 1 2 1 2 _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 218.5                        | 90S           |
| 5.7             | 249.43 | 1544             | 3.12              | 53383            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.0             | 282.46 | 1756             | 2.72              | 53383            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.5             | 313.81 | 1942             | 2.48              | 53383            | 3 1 5                                                                                                                                                                                      |                              |               |
| 3.9             | 358.71 | 2229             | 2.14              | 53383            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.5             | 406.64 | 2526             | 1.89              | 53383            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.1             | 451.77 | 2794             | 1.72              | 53383            | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.9             | 484.97 | 3010             | 1.59              | 53383            | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.5             | 558.41 | 3464             | 1.38              | 53383            | 5 6 0                                                                                                                                                                                      |                              |               |
| 2.2             | 649.47 | 4025             | 1.19              | 53383            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.9             | 726.65 | 4495             | 1.06              | 53383            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.8             | 774.48 | 4794             | 1.00              | 53383            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.5             | 917.87 | 5672             | 0.84              | 53383            | 9 0 0                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**1.1 kW**

4 POLE

**1.1 kW**

6 POLE

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 2.8             | 495.31  | 3098             | 2.74              | 87299            | C 1 0 4 1 5 0 0 _ M _ _ _ 1 . 1 A - -                                                                                                                                                      | 336.5                        | 90S           |
| 2.6             | 544.84  | 3407             | 2.49              | 87299            | 5 6 0                                                                                                                                                                                      |                              |               |
| 2.3             | 626.07  | 3912             | 2.17              | 87299            | 6 3 0                                                                                                                                                                                      |                              |               |
| 2.0             | 709.95  | 4428             | 1.91              | 87299            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.8             | 783.06  | 4885             | 1.73              | 87299            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 896.77  | 5589             | 1.52              | 87299            | 9 0 0                                                                                                                                                                                      |                              |               |
| 1.4             | 1013.93 | 6311             | 1.34              | 87299            | 1 0 C                                                                                                                                                                                      |                              |               |
| 1.3             | 1126.71 | 6983             | 1.19              | 87375            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.2             | 1175.54 | 7304             | 1.16              | 87299            | 1 2 C                                                                                                                                                                                      |                              |               |
| 1.0             | 1402.11 | 8690             | 0.98              | 87299            | 1 4 C                                                                                                                                                                                      |                              |               |
| 0.88            | 1606.71 | 9836             | 0.87              | 87299            | 1 6 C                                                                                                                                                                                      |                              |               |
| 108             | 8.59    | 80               | 1.10              | 2817             | C 0 3 2 1 8 . 0 _ M _ _ _ 1 . 1 C - -                                                                                                                                                      | 25.5                         | 90L           |
| 80              | 11.61   | 106              | 0.90              | 2803             | 1 1 .                                                                                                                                                                                      |                              |               |
| 70              | 13.20   | 121              | 0.82              | 2796             | 1 2 .                                                                                                                                                                                      |                              |               |
| 108             | 8.59    | 81               | 1.83              | 5280             | C 0 4 2 1 8 . 0 _ M _ _ _ 1 . 1 C - -                                                                                                                                                      | 27.5                         | 90L           |
| 80              | 11.61   | 109              | 1.49              | 5271             | 1 1 .                                                                                                                                                                                      |                              |               |
| 70              | 13.20   | 123              | 1.36              | 5266             | 1 2 .                                                                                                                                                                                      |                              |               |
| 62              | 14.95   | 139              | 1.24              | 5266             | 1 4 .                                                                                                                                                                                      |                              |               |
| 57              | 16.36   | 135              | 1.17              | 5266             | 1 6 .                                                                                                                                                                                      |                              |               |
| 48              | 19.12   | 177              | 1.03              | 5261             | 1 8 .                                                                                                                                                                                      |                              |               |
| 45              | 20.61   | 188              | 0.99              | 5254             | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 22.11   | 179              | 0.95              | 5254             | 2 2 .                                                                                                                                                                                      |                              |               |
| 37              | 25.14   | 202              | 0.86              | 5254             | 2 5 .                                                                                                                                                                                      |                              |               |
| 111             | 8.31    | 80               | 3.03              | 7440             | C 0 5 2 1 8 . 0 _ M _ _ _ 1 . 1 C - -                                                                                                                                                      | 31.5                         | 90L           |
| 79              | 11.66   | 112              | 2.47              | 7440             | 1 1 .                                                                                                                                                                                      |                              |               |
| 72              | 12.85   | 123              | 2.33              | 7440             | 1 2 .                                                                                                                                                                                      |                              |               |
| 63              | 14.59   | 139              | 2.15              | 7440             | 1 4 .                                                                                                                                                                                      |                              |               |
| 58              | 16.09   | 138              | 2.51              | 7440             | 1 6 .                                                                                                                                                                                      |                              |               |
| 50              | 18.53   | 175              | 1.86              | 7436             | 1 8 .                                                                                                                                                                                      |                              |               |
| 44              | 21.05   | 196              | 1.72              | 7432             | 2 0 .                                                                                                                                                                                      |                              |               |
| 41              | 22.56   | 190              | 1.95              | 7436             | 2 2 .                                                                                                                                                                                      |                              |               |
| 37              | 24.86   | 208              | 1.82              | 7432             | 2 5 .                                                                                                                                                                                      |                              |               |
| 33              | 28.24   | 234              | 1.66              | 7428             | 2 8 .                                                                                                                                                                                      |                              |               |
| 28              | 32.55   | 300              | 1.29              | 7420             | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 35.86   | 293              | 1.39              | 7420             | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 40.74   | 330              | 1.27              | 7416             | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 46.84   | 425              | 0.95              | 7407             | 4 5 .                                                                                                                                                                                      |                              |               |
| 18              | 50.93   | 462              | 0.88              | 7401             | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 55.45   | 441              | 1.02              | 7407             | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 63.00   | 496              | 0.93              | 7401             | 6 3 .                                                                                                                                                                                      |                              |               |
| 71              | 12.97   | 130              | 3.99              | 11928            | C 0 6 2 1 1 2 . _ M _ _ _ 1 . 1 C - -                                                                                                                                                      | 43.5                         | 90L           |
| 64              | 14.56   | 145              | 3.71              | 11914            | 1 4 .                                                                                                                                                                                      |                              |               |
| 50              | 18.49   | 183              | 3.20              | 11900            | 1 8 .                                                                                                                                                                                      |                              |               |
| 44              | 20.96   | 207              | 2.95              | 11886            | 2 0 .                                                                                                                                                                                      |                              |               |
| 41              | 22.40   | 200              | 3.11              | 11900            | 2 2 .                                                                                                                                                                                      |                              |               |
| 37              | 25.11   | 223              | 2.85              | 11886            | 2 5 .                                                                                                                                                                                      |                              |               |
| 33              | 28.18   | 248              | 2.62              | 11879            | 2 8 .                                                                                                                                                                                      |                              |               |
| 28              | 33.48   | 326              | 2.17              | 11739            | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 35.79   | 310              | 2.21              | 11759            | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 40.57   | 349              | 2.01              | 11733            | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 47.32   | 455              | 1.68              | 11693            | 4 5 .                                                                                                                                                                                      |                              |               |
| 18              | 50.52   | 483              | 1.59              | 11670            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 55.71   | 470              | 1.60              | 11670            | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.80   | 539              | 1.42              | 11623            | 6 3 .                                                                                                                                                                                      |                              |               |
| 13              | 73.92   | 699              | 1.09              | 11473            | 7 1 .                                                                                                                                                                                      |                              |               |
| 11              | 80.94   | 757              | 0.91              | 11402            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 91.58   | 747              | 1.02              | 11502            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.5             | 97.78   | 794              | 0.96              | 11402            | 1 0 0                                                                                                                                                                                      |                              |               |
| 30              | 30.81   | 309              | 2.78              | 29157            | C 0 7 2 1 3 2 . _ M _ _ _ 1 . 1 C - -                                                                                                                                                      | 85.5                         | 90L           |
| 21              | 44.13   | 439              | 2.15              | 29139            | 4 5 .                                                                                                                                                                                      |                              |               |
| 19              | 49.90   | 494              | 1.94              | 29119            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 53.62   | 505              | 2.00              | 29116            | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 61.62   | 582              | 1.79              | 29116            | 6 3 .                                                                                                                                                                                      |                              |               |
| 13              | 69.00   | 673              | 1.56              | 29088            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 75.56   | 737              | 1.44              | 29061            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 88.26   | 817              | 1.36              | 29070            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.3             | 99.79   | 923              | 1.24              | 29070            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.9             | 104.32  | 1004             | 1.09              | 29070            | 1 1 2                                                                                                                                                                                      |                              |               |
| 8.0             | 115.92  | 1111             | 0.99              | 29006            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.7             | 138.00  | 1256             | 0.95              | 29000            | 1 4 0                                                                                                                                                                                      |                              |               |
| 6.1             | 151.12  | 1365             | 0.89              | 29000            | 1 6 0                                                                                                                                                                                      |                              |               |
| 10              | 97.33   | 938              | 1.43              | 29011            | C 0 7 3 1 1 0 0 _ M _ _ _ 1 . 1 C - -                                                                                                                                                      | 94.5                         | 90L           |
| 8.2             | 113.20  | 1084             | 1.24              | 28964            | 1 1 8                                                                                                                                                                                      |                              |               |
| 7.4             | 125.04  | 1122             | 1.05              | 29000            | 1 3 2                                                                                                                                                                                      |                              |               |
| 6.5             | 141.75  | 1279             | 0.95              | 28941            | 1 5 0                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

## GEARED MOTORS

**1.1 kW**

6 POLE

**1.5 kW**

4 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 12              | 76.50   | 754              | 3.77              | 41843            | C 0 8 2 1 8 0 . _ M _ - _ _ 1 . 1 C - -                                                                                                                                                    | 135.5                        | 90L           |
| 11              | 87.29   | 819              | 2.79              | 41859            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.4             | 98.53   | 921              | 2.54              | 41844            | 1 0 0                                                                                                                                                                                      |                              |               |
| 9.0             | 102.38  | 1000             | 3.04              | 41844            | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.8             | 117.89  | 1141             | 2.55              | 41860            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.6             | 139.29  | 1281             | 1.94              | 41820            | 1 4 0                                                                                                                                                                                      |                              |               |
| 6.0             | 153.00  | 1403             | 1.80              | 41820            | 1 6 0                                                                                                                                                                                      |                              |               |
| 5.9             | 156.45  | 1458             | 1.86              | 41656            | C 0 8 4 1 1 6 0 _ M _ - _ _ 1 . 1 C - -                                                                                                                                                    | 151.5                        | 90L           |
| 5.2             | 176.60  | 1637             | 1.74              | 41656            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.2             | 219.96  | 2048             | 1.33              | 41656            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.7             | 248.29  | 2301             | 1.24              | 41656            | 2 5 0                                                                                                                                                                                      |                              |               |
| 3.3             | 276.74  | 2574             | 1.05              | 41656            | 2 8 0                                                                                                                                                                                      |                              |               |
| 3.0             | 312.37  | 2892             | 0.98              | 41656            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.6             | 351.44  | 3265             | 0.83              | 41656            | 3 6 0                                                                                                                                                                                      |                              |               |
| 7.7             | 119.38  | 1171             | 3.97              | 53755            | C 0 9 2 1 1 2 5 _ M _ - _ _ 1 . 1 C - -                                                                                                                                                    | 198.5                        | 90L           |
| 5.7             | 161.44  | 1474             | 3.78              | 53741            | C 0 9 2 1 1 6 0 _ M _ - _ _ 1 . 1 C - -                                                                                                                                                    | 198.5                        | 90L           |
| 4.2             | 222.08  | 1990             | 2.80              | 53713            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.7             | 249.73  | 2227             | 2.51              | 53703            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.8             | 159.68  | 1518             | 3.15              | 53383            | C 0 9 4 1 1 6 0 _ M _ - _ _ 1 . 1 C - -                                                                                                                                                    | 219.5                        | 90L           |
| 5.2             | 177.41  | 1679             | 2.87              | 53383            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.1             | 224.51  | 2132             | 2.24              | 53383            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.7             | 249.43  | 2360             | 2.04              | 53383            | 2 5 0                                                                                                                                                                                      |                              |               |
| 3.3             | 282.46  | 2681             | 1.78              | 53383            | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.9             | 313.81  | 2967             | 1.62              | 53383            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.6             | 358.71  | 3401             | 1.41              | 53383            | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.3             | 406.64  | 3853             | 1.24              | 53383            | 4 0 0                                                                                                                                                                                      |                              |               |
| 2.0             | 451.77  | 4264             | 1.13              | 53383            | 4 5 0                                                                                                                                                                                      |                              |               |
| 1.9             | 484.97  | 4590             | 1.04              | 53383            | 5 0 0                                                                                                                                                                                      |                              |               |
| 1.7             | 558.41  | 5279             | 0.91              | 53383            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.9             | 495.31  | 4726             | 1.79              | 87299            | C 1 0 4 1 5 0 0 _ M _ - _ _ 1 . 1 C - -                                                                                                                                                    | 337.5                        | 90L           |
| 1.7             | 544.84  | 5195             | 1.63              | 87299            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.5             | 626.07  | 5963             | 1.42              | 87299            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.3             | 709.95  | 6747             | 1.26              | 87299            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 783.06  | 7441             | 1.14              | 87299            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.0             | 896.77  | 8508             | 1.00              | 87299            | 9 0 0                                                                                                                                                                                      |                              |               |
| 0.91            | 1013.93 | 9602             | 0.88              | 87299            | 1 0 C                                                                                                                                                                                      |                              |               |
| 165             | 8.59    | 72               | 1.12              | 2820             | C 0 3 2 1 8 . 0 _ M _ - _ _ 1 . 5 A - -                                                                                                                                                    | 25.5                         | 90L           |
| 122             | 11.61   | 96               | 0.91              | 2810             | 1 1 .                                                                                                                                                                                      |                              |               |
| 108             | 13.20   | 109              | 0.83              | 2800             | 1 2 .                                                                                                                                                                                      |                              |               |
| 165             | 8.59    | 73               | 1.85              | 5285             | C 0 4 2 1 8 . 0 _ M _ - _ _ 1 . 5 A - -                                                                                                                                                    | 27.5                         | 90L           |
| 122             | 11.61   | 98               | 1.51              | 5275             | 1 1 .                                                                                                                                                                                      |                              |               |
| 108             | 13.20   | 111              | 1.38              | 5276             | 1 2 .                                                                                                                                                                                      |                              |               |
| 95              | 14.95   | 125              | 1.27              | 5270             | 1 4 .                                                                                                                                                                                      |                              |               |
| 87              | 16.36   | 123              | 1.16              | 5270             | 1 6 .                                                                                                                                                                                      |                              |               |
| 74              | 19.12   | 158              | 1.06              | 5270             | 1 8 .                                                                                                                                                                                      |                              |               |
| 69              | 20.61   | 170              | 1.01              | 5270             | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.11   | 164              | 0.95              | 5270             | 2 2 .                                                                                                                                                                                      |                              |               |
| 56              | 25.14   | 185              | 0.87              | 5260             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.48   | 207              | 0.80              | 5260             | 2 8 .                                                                                                                                                                                      |                              |               |
| 171             | 8.31    | 72               | 2.87              | 7440             | C 0 5 2 1 8 . 0 _ M _ - _ _ 1 . 5 A - -                                                                                                                                                    | 31.5                         | 90L           |
| 122             | 11.66   | 100              | 2.36              | 7440             | 1 1 .                                                                                                                                                                                      |                              |               |
| 111             | 12.85   | 110              | 2.23              | 7440             | 1 2 .                                                                                                                                                                                      |                              |               |
| 97              | 14.59   | 125              | 2.07              | 7437             | 1 4 .                                                                                                                                                                                      |                              |               |
| 88              | 16.09   | 126              | 2.52              | 7440             | 1 6 .                                                                                                                                                                                      |                              |               |
| 77              | 18.53   | 157              | 1.79              | 7440             | 1 8 .                                                                                                                                                                                      |                              |               |
| 67              | 21.05   | 177              | 1.66              | 7436             | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 22.56   | 174              | 1.98              | 7436             | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 24.86   | 190              | 1.85              | 7436             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.24   | 214              | 1.69              | 7432             | 2 8 .                                                                                                                                                                                      |                              |               |
| 44              | 32.55   | 270              | 1.26              | 7428             | 3 2 .                                                                                                                                                                                      |                              |               |
| 40              | 35.86   | 268              | 1.41              | 7428             | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.74   | 301              | 1.29              | 7428             | 4 0 .                                                                                                                                                                                      |                              |               |
| 30              | 46.84   | 384              | 0.99              | 7430             | 4 5 .                                                                                                                                                                                      |                              |               |
| 28              | 50.93   | 415              | 0.94              | 7420             | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 55.45   | 402              | 1.03              | 7420             | 5 6 .                                                                                                                                                                                      |                              |               |
| 23              | 63.00   | 451              | 0.95              | 7410             | 6 3 .                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

## GEARED MOTORS

**1.5 kW**

4 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i       | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|---------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio   | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 109             | 12.97   | 116              | 3.82              | 11945            | C 0 6 2 1 1 2 . _ M _ _ _ 1 . 5 A - -                                                                                                                                                      | 43.5                         | 90L           |
| 98              | 14.56   | 130              | 3.56              | 11923            | 1 4 .                                                                                                                                                                                      |                              |               |
| 89              | 15.93   | 131              | 3.94              | 11942            | 1 6 .                                                                                                                                                                                      |                              |               |
| 77              | 18.49   | 164              | 3.08              | 11904            | 1 8 .                                                                                                                                                                                      |                              |               |
| 68              | 20.96   | 186              | 2.85              | 11904            | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 22.40   | 182              | 3.18              | 11904            | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 25.11   | 202              | 2.93              | 11904            | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.18   | 226              | 2.70              | 11889            | 2 8 .                                                                                                                                                                                      |                              |               |
| 42              | 33.48   | 292              | 2.13              | 11762            | 3 2 .                                                                                                                                                                                      |                              |               |
| 40              | 35.79   | 282              | 2.25              | 11789            | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.57   | 318              | 2.04              | 11783            | 4 0 .                                                                                                                                                                                      |                              |               |
| 30              | 47.32   | 409              | 1.70              | 11712            | 4 5 .                                                                                                                                                                                      |                              |               |
| 28              | 50.52   | 436              | 1.63              | 11668            | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 55.71   | 429              | 1.63              | 11734            | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 64.80   | 493              | 1.46              | 11668            | 6 3 .                                                                                                                                                                                      |                              |               |
| 19              | 73.92   | 627              | 1.21              | 11500            | 7 1 .                                                                                                                                                                                      |                              |               |
| 18              | 80.94   | 685              | 0.89              | 11500            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 91.58   | 682              | 1.12              | 11500            | 9 0 .                                                                                                                                                                                      |                              |               |
| 15              | 97.78   | 724              | 1.06              | 11500            | 1 0 0                                                                                                                                                                                      |                              |               |
| 46              | 30.81   | 278              | 2.85              | 28940            | C 0 7 2 1 3 2 . _ M _ _ _ 1 . 5 A - -                                                                                                                                                      | 85.5                         | 90L           |
| 32              | 44.13   | 393              | 2.21              | 29142            | 4 5 .                                                                                                                                                                                      |                              |               |
| 28              | 49.90   | 443              | 1.98              | 29142            | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 53.62   | 458              | 2.06              | 29144            | 5 6 .                                                                                                                                                                                      |                              |               |
| 23              | 61.62   | 523              | 1.85              | 29117            | C 0 7 2 1 6 3 . _ M _ _ _ 1 . 5 A - -                                                                                                                                                      | 85.5                         | 90L           |
| 21              | 69.00   | 606              | 1.53              | 29117            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 75.56   | 663              | 1.41              | 29089            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 88.26   | 740              | 1.39              | 29084            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 99.79   | 829              | 1.27              | 29084            | 1 0 0                                                                                                                                                                                      |                              |               |
| 14              | 104.32  | 901              | 1.08              | 29084            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 115.92  | 1000             | 0.97              | 29027            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 138.00  | 1128             | 0.99              | 29000            | 1 4 0                                                                                                                                                                                      |                              |               |
| 9.4             | 151.12  | 1238             | 0.92              | 29000            | 1 6 0                                                                                                                                                                                      |                              |               |
| 15              | 97.33   | 841              | 1.59              | 29056            | C 0 7 3 1 1 0 0 _ M _ _ _ 1 . 5 A - -                                                                                                                                                      | 94.5                         | 90L           |
| 13              | 113.20  | 972              | 1.38              | 28960            | 1 1 8                                                                                                                                                                                      |                              |               |
| 11              | 125.04  | 1014             | 1.08              | 29006            | 1 3 2                                                                                                                                                                                      |                              |               |
| 10              | 141.75  | 1136             | 0.99              | 29027            | 1 5 0                                                                                                                                                                                      |                              |               |
| 8.9             | 159.98  | 1359             | 0.99              | 28868            | 1 6 0                                                                                                                                                                                      |                              |               |
| 8.3             | 170.81  | 1445             | 0.93              | 28900            | 1 8 0                                                                                                                                                                                      |                              |               |
| 19              | 76.50   | 677              | 3.78              | 41845            | C 0 8 2 1 8 0 . _ M _ _ _ 1 . 5 A - -                                                                                                                                                      | 135.5                        | 90L           |
| 16              | 87.29   | 739              | 2.87              | 41861            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 98.53   | 829              | 2.60              | 41872            | 1 0 0                                                                                                                                                                                      |                              |               |
| 14              | 102.38  | 897              | 3.08              | 41872            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 117.89  | 1024             | 2.78              | 41844            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 139.29  | 1152             | 2.00              | 41817            | 1 4 0                                                                                                                                                                                      |                              |               |
| 9.3             | 153.00  | 1262             | 1.86              | 41822            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.9             | 204.75  | 1666             | 1.48              | 41744            | 2 1 2                                                                                                                                                                                      |                              |               |
| 6.0             | 235.77  | 1908             | 1.33              | 41784            | 2 5 0                                                                                                                                                                                      |                              |               |
| 9.1             | 156.45  | 1290             | 2.11              | 41656            | C 0 8 4 1 1 6 0 _ M _ _ _ 1 . 5 A - -                                                                                                                                                      | 151.5                        | 90L           |
| 8.0             | 176.60  | 1448             | 1.96              | 41656            | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.5             | 219.96  | 1812             | 1.50              | 41656            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.7             | 248.29  | 2035             | 1.40              | 41656            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.1             | 276.74  | 2279             | 1.19              | 41656            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.5             | 312.37  | 2560             | 1.11              | 41656            | 3 1 5                                                                                                                                                                                      |                              |               |
| 4.0             | 351.44  | 2893             | 0.94              | 41656            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.6             | 398.40  | 3279             | 0.83              | 41656            | 4 0 0                                                                                                                                                                                      |                              |               |
| 6.4             | 222.08  | 1803             | 3.09              | 53736            | C 0 9 2 1 2 1 2 _ M _ _ _ 1 . 5 A - -                                                                                                                                                      | 198.5                        | 90L           |
| 5.7             | 249.73  | 2011             | 2.77              | 53727            | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.9             | 159.68  | 1345             | 3.55              | 53383            | C 0 9 4 1 1 6 0 _ M _ _ _ 1 . 5 A - -                                                                                                                                                      | 219.5                        | 90L           |
| 8.0             | 177.41  | 1488             | 3.24              | 53383            | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.3             | 224.51  | 1891             | 2.53              | 53383            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.7             | 249.43  | 2091             | 2.30              | 53383            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.0             | 282.46  | 2378             | 2.01              | 53383            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.5             | 313.81  | 2630             | 1.83              | 53383            | 3 1 5                                                                                                                                                                                      |                              |               |
| 4.0             | 358.71  | 3018             | 1.58              | 53383            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.5             | 406.64  | 3420             | 1.40              | 53383            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.1             | 451.77  | 3783             | 1.27              | 53383            | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.9             | 484.97  | 4076             | 1.17              | 53383            | 5 0 0                                                                                                                                                                                      |                              |               |
| 2.5             | 558.41  | 4690             | 1.02              | 53383            | 5 6 0                                                                                                                                                                                      |                              |               |
| 2.2             | 649.47  | 5450             | 0.88              | 53383            | 6 3 0                                                                                                                                                                                      |                              |               |
| 2.9             | 495.31  | 4195             | 2.02              | 87299            | C 1 0 4 1 5 0 0 _ M _ _ _ 1 . 5 A - -                                                                                                                                                      | 337.5                        | 90L           |
| 2.6             | 544.84  | 4613             | 1.84              | 87299            | 5 6 0                                                                                                                                                                                      |                              |               |
| 2.3             | 626.07  | 5297             | 1.60              | 87299            | 6 3 0                                                                                                                                                                                      |                              |               |
| 2.0             | 709.95  | 5996             | 1.41              | 87299            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.8             | 783.06  | 6615             | 1.28              | 87299            | 8 0 0                                                                                                                                                                                      |                              |               |
| 1.6             | 896.77  | 7568             | 1.12              | 87299            | 9 0 0                                                                                                                                                                                      |                              |               |
| 1.4             | 1013.93 | 8545             | 0.99              | 87299            | 1 0 C                                                                                                                                                                                      |                              |               |
| 1.3             | 1126.71 | 9455             | 0.88              | 87375            | 1 1 C                                                                                                                                                                                      |                              |               |
| 1.2             | 1175.54 | 9890             | 0.86              | 87299            | 1 2 C                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**1.5 kW****6 POLE****NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 108             | 8.59   | 109              | 0.81              | 2800             | C 0 3 2 1 8 . 0 _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 35                           | 100L          |
| 108             | 8.59   | 111              | 1.34              | 5276             | C 0 4 2 1 8 . 0 _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 37                           | 100L          |
| 80              | 11.61  | 149              | 1.09              | 5263             | 1 1 .                                                                                                                                                                                      |                              |               |
| 70              | 13.20  | 167              | 1.00              | 5256             | 1 2 .                                                                                                                                                                                      |                              |               |
| 62              | 14.95  | 189              | 0.91              | 5256             | 1 4 .                                                                                                                                                                                      |                              |               |
| 57              | 16.36  | 184              | 0.85              | 5256             | 1 6 .                                                                                                                                                                                      |                              |               |
| 111             | 8.31   | 110              | 2.22              | 7440             | C 0 5 2 1 8 . 0 _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 41                           | 100L          |
| 79              | 11.66  | 152              | 1.81              | 7440             | 1 1 .                                                                                                                                                                                      |                              |               |
| 72              | 12.85  | 167              | 1.71              | 7440             | 1 2 .                                                                                                                                                                                      |                              |               |
| 63              | 14.59  | 189              | 1.58              | 7440             | 1 4 .                                                                                                                                                                                      |                              |               |
| 58              | 16.09  | 189              | 1.84              | 7440             | 1 6 .                                                                                                                                                                                      |                              |               |
| 50              | 18.53  | 238              | 1.36              | 7433             | 1 8 .                                                                                                                                                                                      |                              |               |
| 44              | 21.05  | 268              | 1.26              | 7427             | 2 0 .                                                                                                                                                                                      |                              |               |
| 41              | 22.56  | 259              | 1.43              | 7433             | 2 2 .                                                                                                                                                                                      |                              |               |
| 37              | 24.86  | 284              | 1.34              | 7427             | 2 5 .                                                                                                                                                                                      |                              |               |
| 33              | 28.24  | 320              | 1.21              | 7421             | 2 8 .                                                                                                                                                                                      |                              |               |
| 28              | 32.55  | 409              | 0.94              | 7409             | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 35.86  | 400              | 1.02              | 7409             | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 40.74  | 450              | 0.93              | 7402             | 4 0 .                                                                                                                                                                                      |                              |               |
| 112             | 8.23   | 114              | 3.85              | 11933            | C 0 6 2 1 8 . 0 _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 53                           | 100L          |
| 80              | 11.57  | 158              | 3.13              | 11911            | 1 1 .                                                                                                                                                                                      |                              |               |
| 71              | 12.97  | 177              | 2.92              | 11889            | 1 2 .                                                                                                                                                                                      |                              |               |
| 64              | 14.56  | 198              | 2.72              | 11867            | 1 4 .                                                                                                                                                                                      |                              |               |
| 58              | 15.93  | 198              | 2.94              | 11889            | 1 6 .                                                                                                                                                                                      |                              |               |
| 50              | 18.49  | 250              | 2.34              | 11845            | 1 8 .                                                                                                                                                                                      |                              |               |
| 44              | 20.96  | 282              | 2.16              | 11823            | 2 0 .                                                                                                                                                                                      |                              |               |
| 41              | 22.40  | 273              | 2.28              | 11845            | 2 2 .                                                                                                                                                                                      |                              |               |
| 37              | 25.11  | 304              | 2.09              | 11823            | 2 5 .                                                                                                                                                                                      |                              |               |
| 33              | 28.18  | 339              | 1.92              | 11813            | 2 8 .                                                                                                                                                                                      |                              |               |
| 28              | 33.48  | 445              | 1.59              | 11650            | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 35.79  | 423              | 1.62              | 11682            | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 40.57  | 477              | 1.48              | 11642            | 4 0 .                                                                                                                                                                                      |                              |               |
| 20              | 47.32  | 621              | 1.23              | 11568            | 4 5 .                                                                                                                                                                                      |                              |               |
| 18              | 50.52  | 658              | 1.16              | 11535            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 55.71  | 642              | 1.18              | 11535            | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 64.80  | 736              | 1.04              | 11469            | 6 3 .                                                                                                                                                                                      |                              |               |
| 13              | 73.92  | 953              | 0.80              | 11300            | 7 1 .                                                                                                                                                                                      |                              |               |
| 59              | 15.80  | 214              | 3.73              | 29200            | C 0 7 2 1 1 6 . _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 95                           | 100L          |
| 46              | 20.07  | 278              | 3.80              | 29200            | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 21.89  | 293              | 2.93              | 29200            | 2 2 .                                                                                                                                                                                      |                              |               |
| 38              | 24.59  | 328              | 2.69              | 29200            | 2 5 .                                                                                                                                                                                      |                              |               |
| 34              | 27.03  | 359              | 2.50              | 29200            | 2 8 .                                                                                                                                                                                      |                              |               |
| 30              | 30.81  | 422              | 2.04              | 29133            | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 35.31  | 464              | 2.04              | 29200            | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 40.15  | 524              | 1.84              | 29200            | 4 0 .                                                                                                                                                                                      |                              |               |
| 21              | 44.13  | 598              | 1.58              | 29106            | 4 5 .                                                                                                                                                                                      |                              |               |
| 19              | 49.90  | 674              | 1.42              | 29075            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 53.62  | 689              | 1.46              | 29071            | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 61.62  | 793              | 1.31              | 29071            | 6 3 .                                                                                                                                                                                      |                              |               |
| 13              | 69.00  | 918              | 1.14              | 29028            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 75.56  | 1006             | 1.05              | 28985            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 88.26  | 1114             | 1.00              | 29000            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.3             | 99.79  | 1258             | 0.91              | 29000            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.9             | 104.32 | 1369             | 0.80              | 29000            | 1 1 2                                                                                                                                                                                      |                              |               |
| 10              | 97.33  | 1279             | 1.05              | 28934            | C 0 7 3 1 1 0 0 _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 104                          | 100L          |
| 8.2             | 113.20 | 1479             | 0.91              | 28868            | 1 1 8                                                                                                                                                                                      |                              |               |
| 23              | 39.51  | 524              | 3.80              | 41900            | C 0 8 2 1 4 0 . _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 145                          | 100L          |
| 19              | 49.26  | 672              | 3.78              | 41836            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 54.60  | 713              | 2.94              | 41900            | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 63.56  | 824              | 2.61              | 41900            | 6 3 .                                                                                                                                                                                      |                              |               |
| 13              | 69.64  | 938              | 2.96              | 41811            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 76.50  | 1028             | 2.76              | 41811            | 8 0 .                                                                                                                                                                                      |                              |               |
| 11              | 87.29  | 1117             | 2.05              | 41837            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.4             | 98.53  | 1256             | 1.86              | 41814            | 1 0 0                                                                                                                                                                                      |                              |               |
| 9.0             | 102.38 | 1363             | 2.23              | 41814            | 1 1 2                                                                                                                                                                                      |                              |               |
| 7.8             | 117.89 | 1556             | 1.87              | 41838            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.6             | 139.29 | 1746             | 1.42              | 41776            | 1 4 0                                                                                                                                                                                      |                              |               |
| 6.0             | 153.00 | 1913             | 1.32              | 41776            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.5             | 204.75 | 2527             | 1.04              | 41700            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.9             | 235.77 | 2872             | 0.91              | 41700            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.9             | 156.45 | 1988             | 1.37              | 41656            | C 0 8 4 1 1 6 0 _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 161                          | 100L          |
| 5.2             | 176.60 | 2233             | 1.27              | 41656            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.2             | 219.96 | 2792             | 0.97              | 41656            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.7             | 248.29 | 3137             | 0.91              | 41656            | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.7             | 106.17 | 1432             | 3.22              | 53721            | C 0 9 2 1 1 1 2 _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 208                          | 100L          |
| 7.7             | 119.38 | 1597             | 2.91              | 53705            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.3             | 146.23 | 1828             | 3.05              | 53689            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.7             | 161.44 | 2010             | 2.78              | 53673            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.2             | 222.08 | 2714             | 2.06              | 53615            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.7             | 249.73 | 3037             | 1.84              | 53592            | 2 5 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**1.5 kW**

6 POLE

**2.2 kW**

4 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 5.8             | 159.68 | 2070             | 2.31              | 53383            | C 0 9 4 1 1 6 0 _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 229                          | 100L          |
| 5.2             | 177.41 | 2290             | 2.10              | 53383            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.1             | 224.51 | 2908             | 1.64              | 53383            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.7             | 249.43 | 3218             | 1.50              | 53383            | 2 5 0                                                                                                                                                                                      |                              |               |
| 3.3             | 282.46 | 3656             | 1.31              | 53383            | 2 8 0                                                                                                                                                                                      |                              |               |
| 2.9             | 313.81 | 4046             | 1.19              | 53383            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.6             | 358.71 | 4638             | 1.03              | 53383            | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.3             | 406.64 | 5255             | 0.91              | 53383            | 4 0 0                                                                                                                                                                                      |                              |               |
| 2.0             | 451.77 | 5815             | 0.83              | 53383            | 4 5 0                                                                                                                                                                                      |                              |               |
| 5.5             | 166.73 | 2139             | 3.98              | 87400            | C 1 0 2 1 1 6 0 _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 305                          | 100L          |
| 4.1             | 225.50 | 2845             | 3.10              | 87400            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 242.27 | 3044             | 2.90              | 87400            | 2 5 0                                                                                                                                                                                      |                              |               |
| 1.9             | 495.31 | 6445             | 1.31              | 87299            | C 1 0 4 1 5 0 0 _ M _ _ _ 1 . 5 C - -                                                                                                                                                      | 347                          | 100L          |
| 1.7             | 544.84 | 7085             | 1.20              | 87299            | 5 6 0                                                                                                                                                                                      |                              |               |
| 1.5             | 626.07 | 8131             | 1.04              | 87299            | 6 3 0                                                                                                                                                                                      |                              |               |
| 1.3             | 709.95 | 9200             | 0.92              | 87299            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.2             | 783.06 | 10147            | 0.84              | 87299            | 8 0 0                                                                                                                                                                                      |                              |               |
| 166             | 8.59   | 107              | 1.27              | 5282             | C 0 4 2 1 8 . 0 _ M _ _ _ 2 . 2 A - -                                                                                                                                                      | 37                           | 100L          |
| 123             | 11.61  | 144              | 1.03              | 5268             | 1 1 .                                                                                                                                                                                      |                              |               |
| 108             | 13.20  | 163              | 0.94              | 5270             | 1 2 .                                                                                                                                                                                      |                              |               |
| 95              | 14.95  | 183              | 0.87              | 5260             | 1 4 .                                                                                                                                                                                      |                              |               |
| 171             | 8.31   | 106              | 1.96              | 7440             | C 0 5 2 1 8 . 0 _ M _ _ _ 2 . 2 A - -                                                                                                                                                      | 41                           | 100L          |
| 122             | 11.66  | 147              | 1.62              | 7440             | 1 1 .                                                                                                                                                                                      |                              |               |
| 111             | 12.85  | 161              | 1.53              | 7440             | 1 2 .                                                                                                                                                                                      |                              |               |
| 98              | 14.59  | 182              | 1.42              | 7435             | 1 4 .                                                                                                                                                                                      |                              |               |
| 89              | 16.09  | 185              | 1.72              | 7440             | 1 6 .                                                                                                                                                                                      |                              |               |
| 77              | 18.53  | 230              | 1.22              | 7440             | 1 8 .                                                                                                                                                                                      |                              |               |
| 68              | 21.05  | 259              | 1.13              | 7433             | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 22.56  | 254              | 1.35              | 7433             | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 24.86  | 278              | 1.26              | 7433             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.24  | 312              | 1.16              | 7426             | 2 8 .                                                                                                                                                                                      |                              |               |
| 44              | 32.55  | 395              | 0.86              | 7420             | 3 2 .                                                                                                                                                                                      |                              |               |
| 40              | 35.86  | 391              | 0.96              | 7420             | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.74  | 440              | 0.88              | 7420             | 4 0 .                                                                                                                                                                                      |                              |               |
| 173             | 8.23   | 109              | 3.40              | 11928            | C 0 6 2 1 8 . 0 _ M _ _ _ 2 . 2 A - -                                                                                                                                                      | 53                           | 100L          |
| 123             | 11.57  | 152              | 2.80              | 11905            | 1 1 .                                                                                                                                                                                      |                              |               |
| 110             | 12.97  | 170              | 2.61              | 11905            | 1 2 .                                                                                                                                                                                      |                              |               |
| 98              | 14.56  | 191              | 2.44              | 11866            | 1 4 .                                                                                                                                                                                      |                              |               |
| 89              | 15.93  | 191              | 2.69              | 11900            | 1 6 .                                                                                                                                                                                      |                              |               |
| 77              | 18.49  | 240              | 2.11              | 11833            | 1 8 .                                                                                                                                                                                      |                              |               |
| 68              | 20.96  | 272              | 1.95              | 11833            | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.40  | 266              | 2.18              | 11833            | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 25.11  | 296              | 2.01              | 11833            | 2 5 .                                                                                                                                                                                      |                              |               |
| 51              | 28.18  | 331              | 1.84              | 11808            | 2 8 .                                                                                                                                                                                      |                              |               |
| 43              | 33.48  | 427              | 1.46              | 11660            | 3 2 .                                                                                                                                                                                      |                              |               |
| 40              | 35.79  | 413              | 1.54              | 11708            | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.57  | 465              | 1.40              | 11697            | 4 0 .                                                                                                                                                                                      |                              |               |
| 30              | 47.32  | 598              | 1.16              | 11566            | 4 5 .                                                                                                                                                                                      |                              |               |
| 28              | 50.52  | 637              | 1.11              | 11500            | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 55.71  | 627              | 1.11              | 11600            | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 64.80  | 720              | 1.00              | 11500            | 6 3 .                                                                                                                                                                                      |                              |               |
| 90              | 15.80  | 205              | 3.49              | 27500            | C 0 7 2 1 1 6 . _ M _ _ _ 2 . 2 A - -                                                                                                                                                      | 95                           | 100L          |
| 81              | 17.66  | 237              | 3.70              | 28200            | 1 8 .                                                                                                                                                                                      |                              |               |
| 71              | 20.07  | 269              | 3.42              | 29200            | 2 0 .                                                                                                                                                                                      |                              |               |
| 65              | 21.89  | 282              | 2.77              | 29200            | 2 2 .                                                                                                                                                                                      |                              |               |
| 58              | 24.59  | 315              | 2.54              | 29200            | 2 5 .                                                                                                                                                                                      |                              |               |
| 53              | 27.03  | 347              | 2.37              | 29200            | 2 8 .                                                                                                                                                                                      |                              |               |
| 46              | 30.81  | 406              | 1.95              | 28748            | 3 2 .                                                                                                                                                                                      |                              |               |
| 40              | 35.31  | 448              | 1.94              | 29200            | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.15  | 507              | 1.76              | 29200            | 4 0 .                                                                                                                                                                                      |                              |               |
| 32              | 44.13  | 575              | 1.51              | 29100            | 4 5 .                                                                                                                                                                                      |                              |               |
| 29              | 49.90  | 648              | 1.36              | 29100            | 5 0 .                                                                                                                                                                                      |                              |               |
| 27              | 53.62  | 670              | 1.41              | 29104            | 5 6 .                                                                                                                                                                                      |                              |               |
| 23              | 61.62  | 764              | 1.27              | 29056            | 6 3 .                                                                                                                                                                                      |                              |               |
| 21              | 69.00  | 886              | 1.05              | 29056            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 75.56  | 970              | 0.96              | 29008            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 88.26  | 1082             | 0.95              | 29000            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 99.79  | 1211             | 0.87              | 29000            | 1 0 0                                                                                                                                                                                      |                              |               |
| 15              | 97.33  | 1229             | 1.09              | 28983            | C 0 7 3 1 1 0 0 _ M _ _ _ 2 . 2 A - -                                                                                                                                                      | 104                          | 100L          |
| 13              | 113.20 | 1421             | 0.94              | 28838            | 1 1 8                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**2.2 kW**

4 POLE

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 40              | 35.20  | 453              | 3.97              | 41900            | C 0 8 2 1 3 6 . _ M _ _ _ 2 . 2 A -                                                                                                                                                        | 145                          | 100L          |
| 36              | 39.51  | 506              | 3.64              | 41900            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 43.64  | 576              | 3.77              | 41063            | 4 5 .                                                                                                                                                                                      |                              |               |
| 29              | 49.26  | 646              | 3.48              | 41638            | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 54.60  | 690              | 2.84              | 41900            | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 63.56  | 797              | 2.52              | 41900            | 6 3 .                                                                                                                                                                                      |                              |               |
| 20              | 69.64  | 901              | 2.76              | 41828            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 76.50  | 989              | 2.59              | 41805            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 87.29  | 1081             | 1.96              | 41833            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 98.53  | 1211             | 1.78              | 41852            | 1 0 0                                                                                                                                                                                      |                              |               |
| 14              | 102.38 | 1311             | 2.10              | 41852            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 117.89 | 1497             | 1.90              | 41804            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 139.29 | 1684             | 1.37              | 41756            | 1 4 0                                                                                                                                                                                      |                              |               |
| 9.3             | 153.00 | 1845             | 1.27              | 41765            | 1 6 0                                                                                                                                                                                      |                              |               |
| 7.0             | 204.75 | 2435             | 1.01              | 41630            | 2 1 2                                                                                                                                                                                      |                              |               |
| 6.0             | 235.77 | 2789             | 0.91              | 41700            | 2 5 0                                                                                                                                                                                      |                              |               |
| 9.1             | 156.45 | 1885             | 1.44              | 41656            | C 0 8 4 1 1 6 0 _ M _ _ _ 2 . 2 A -                                                                                                                                                        | 161                          | 100L          |
| 8.1             | 176.60 | 2117             | 1.34              | 41656            | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.5             | 219.96 | 2649             | 1.03              | 41656            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.7             | 248.29 | 2975             | 0.96              | 41656            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.1             | 276.74 | 3332             | 0.82              | 41656            | 2 8 0                                                                                                                                                                                      |                              |               |
| 14              | 103.53 | 1280             | 3.79              | 53722            | C 0 9 2 1 1 0 0 _ M _ _ _ 2 . 2 A -                                                                                                                                                        | 208                          | 100L          |
| 13              | 106.17 | 1376             | 3.23              | 53731            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 119.38 | 1539             | 2.92              | 53714            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 146.23 | 1772             | 2.98              | 53696            | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.8             | 161.44 | 1950             | 2.78              | 53679            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.4             | 222.08 | 2635             | 2.12              | 53625            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.7             | 249.73 | 2939             | 1.90              | 53600            | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.9             | 159.68 | 1966             | 2.43              | 53383            | C 0 9 4 1 1 6 0 _ M _ _ _ 2 . 2 A -                                                                                                                                                        | 229                          | 100L          |
| 8.0             | 177.41 | 2175             | 2.21              | 53383            | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.3             | 224.51 | 2763             | 1.73              | 53383            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.7             | 249.43 | 3057             | 1.58              | 53383            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.0             | 282.46 | 3475             | 1.38              | 53383            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.5             | 313.81 | 3844             | 1.25              | 53383            | 3 1 5                                                                                                                                                                                      |                              |               |
| 4.0             | 358.71 | 4411             | 1.08              | 53383            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.5             | 406.64 | 4998             | 0.96              | 53383            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.2             | 451.77 | 5530             | 0.87              | 53383            | 4 5 0                                                                                                                                                                                      |                              |               |
| 2.9             | 484.97 | 5957             | 0.80              | 53383            | 5 0 0                                                                                                                                                                                      |                              |               |
| 8.5             | 166.73 | 2067             | 3.85              | 87400            | C 1 0 2 1 1 6 0 _ M _ _ _ 2 . 2 A -                                                                                                                                                        | 305                          | 100L          |
| 6.3             | 225.50 | 2755             | 3.04              | 87400            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.9             | 242.27 | 2948             | 2.87              | 87400            | 2 5 0                                                                                                                                                                                      |                              |               |
| 2.9             | 495.31 | 6132             | 1.38              | 87299            | C 1 0 4 1 5 0 0 _ M _ _ _ 2 . 2 A -                                                                                                                                                        | 347                          | 100L          |
| 2.6             | 544.84 | 6742             | 1.26              | 87299            | 5 6 0                                                                                                                                                                                      |                              |               |
| 2.3             | 626.07 | 7741             | 1.09              | 87299            | 6 3 0                                                                                                                                                                                      |                              |               |
| 2.0             | 709.95 | 8763             | 0.97              | 87299            | 7 1 0                                                                                                                                                                                      |                              |               |
| 1.8             | 783.06 | 9669             | 0.88              | 87299            | 8 0 0                                                                                                                                                                                      |                              |               |

**2.2 kW**

6 POLE

|     |       |     |      |       |                                     |    |      |
|-----|-------|-----|------|-------|-------------------------------------|----|------|
| 111 | 8.59  | 159 | 0.94 | 5270  | C 0 4 2 1 8 . 0 _ M _ _ _ 2 . 2 C - | 45 | 112M |
| 114 | 8.31  | 157 | 1.56 | 7440  | C 0 5 2 1 8 . 0 _ M _ _ _ 2 . 2 C - | 49 | 112M |
| 81  | 11.66 | 218 | 1.27 | 7440  | 1 1 .                               |    |      |
| 74  | 12.85 | 239 | 1.20 | 7440  | 1 2 .                               |    |      |
| 65  | 14.59 | 271 | 1.11 | 7440  | 1 4 .                               |    |      |
| 59  | 16.09 | 270 | 1.29 | 7440  | 1 6 .                               |    |      |
| 51  | 18.53 | 340 | 0.95 | 7430  | 1 8 .                               |    |      |
| 45  | 21.05 | 383 | 0.88 | 7420  | 2 0 .                               |    |      |
| 42  | 22.56 | 370 | 1.00 | 7430  | 2 2 .                               |    |      |
| 38  | 24.86 | 406 | 0.94 | 7420  | 2 5 .                               |    |      |
| 34  | 28.24 | 457 | 0.85 | 7410  | 2 8 .                               |    |      |
| 115 | 8.23  | 162 | 2.69 | 11892 | C 0 6 2 1 8 . 0 _ M _ _ _ 2 . 2 C - | 65 | 112M |
| 82  | 11.57 | 226 | 2.20 | 11857 | 1 1 .                               |    |      |
| 73  | 12.97 | 253 | 2.05 | 11821 | 1 2 .                               |    |      |
| 65  | 14.56 | 283 | 1.90 | 11785 | 1 4 .                               |    |      |
| 60  | 15.93 | 283 | 2.06 | 11821 | 1 6 .                               |    |      |
| 51  | 18.49 | 357 | 1.64 | 11750 | 1 8 .                               |    |      |
| 45  | 20.96 | 403 | 1.52 | 11714 | 2 0 .                               |    |      |
| 42  | 22.40 | 390 | 1.60 | 11750 | 2 2 .                               |    |      |
| 38  | 25.11 | 435 | 1.46 | 11714 | 2 5 .                               |    |      |
| 34  | 28.18 | 484 | 1.34 | 11697 | 2 8 .                               |    |      |
| 28  | 33.48 | 635 | 1.12 | 11496 | 3 2 .                               |    |      |
| 27  | 35.79 | 605 | 1.13 | 11547 | 3 6 .                               |    |      |
| 23  | 40.57 | 681 | 1.03 | 11482 | 4 0 .                               |    |      |
| 20  | 47.32 | 886 | 0.86 | 11350 | 4 5 .                               |    |      |
| 19  | 50.52 | 940 | 0.81 | 11300 | 5 0 .                               |    |      |
| 17  | 55.71 | 917 | 0.82 | 11300 | 5 6 .                               |    |      |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**2.2 kW**

6 POLE

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 120             | 7.90   | 160              | 3.84              | 24856            | C 0 7 2 1 8 . 0 _ M _ _ _ 2 . 2 C - -                                                                                                                                                      | 109                          | 112M          |
| 87              | 10.94  | 221              | 3.84              | 26975            | 1 1 .                                                                                                                                                                                      |                              |               |
| 77              | 12.29  | 248              | 3.61              | 27838            | 1 2 .                                                                                                                                                                                      |                              |               |
| 70              | 13.52  | 272              | 3.41              | 28591            | 1 4 .                                                                                                                                                                                      |                              |               |
| 60              | 15.80  | 305              | 2.61              | 28978            | 1 6 .                                                                                                                                                                                      |                              |               |
| 54              | 17.66  | 353              | 2.89              | 28908            | 1 8 .                                                                                                                                                                                      |                              |               |
| 47              | 20.07  | 398              | 2.66              | 28966            | 2 0 .                                                                                                                                                                                      |                              |               |
| 43              | 21.89  | 419              | 2.05              | 29165            | 2 2 .                                                                                                                                                                                      |                              |               |
| 39              | 24.59  | 468              | 1.88              | 29165            | 2 5 .                                                                                                                                                                                      |                              |               |
| 35              | 27.03  | 513              | 1.75              | 29165            | C 0 7 2 1 2 8 . _ M _ _ _ 2 . 2 C - -                                                                                                                                                      | 109                          | 112M          |
| 31              | 30.81  | 603              | 1.43              | 29092            | 3 2 .                                                                                                                                                                                      |                              |               |
| 27              | 35.31  | 663              | 1.43              | 29144            | 3 6 .                                                                                                                                                                                      |                              |               |
| 24              | 40.15  | 749              | 1.29              | 29116            | 4 0 .                                                                                                                                                                                      |                              |               |
| 22              | 44.13  | 854              | 1.11              | 29048            | 4 5 .                                                                                                                                                                                      |                              |               |
| 19              | 49.90  | 963              | 0.99              | 28998            | 5 0 .                                                                                                                                                                                      |                              |               |
| 18              | 53.62  | 984              | 1.03              | 28991            | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 61.62  | 1133             | 0.92              | 28991            | 6 3 .                                                                                                                                                                                      |                              |               |
| 14              | 69.00  | 1311             | 0.80              | 28921            | 7 1 .                                                                                                                                                                                      |                              |               |
| 39              | 24.47  | 474              | 3.84              | 41597            | C 0 8 2 1 2 5 . _ M _ _ _ 2 . 2 C - -                                                                                                                                                      | 152                          | 112M          |
| 35              | 27.22  | 524              | 3.54              | 41795            | 2 8 .                                                                                                                                                                                      |                              |               |
| 30              | 31.78  | 626              | 3.56              | 41748            | 3 2 .                                                                                                                                                                                      |                              |               |
| 27              | 35.20  | 670              | 2.91              | 41888            | 3 6 .                                                                                                                                                                                      |                              |               |
| 24              | 39.51  | 748              | 2.66              | 41876            | 4 0 .                                                                                                                                                                                      |                              |               |
| 22              | 43.64  | 855              | 2.87              | 41848            | 4 5 .                                                                                                                                                                                      |                              |               |
| 19              | 49.26  | 960              | 2.64              | 41797            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 54.60  | 1019             | 2.06              | 41865            | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 63.56  | 1177             | 1.83              | 41847            | 6 3 .                                                                                                                                                                                      |                              |               |
| 14              | 69.64  | 1340             | 2.07              | 41757            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 76.50  | 1468             | 1.93              | 41757            | 8 0 .                                                                                                                                                                                      |                              |               |
| 11              | 87.29  | 1595             | 1.43              | 41799            | 9 0 .                                                                                                                                                                                      |                              |               |
| 10              | 98.53  | 1793             | 1.30              | 41760            | 1 0 0                                                                                                                                                                                      |                              |               |
| 9.3             | 102.38 | 1947             | 1.56              | 41760            | 1 1 2                                                                                                                                                                                      |                              |               |
| 8.1             | 117.89 | 2223             | 1.31              | 41800            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.8             | 139.29 | 2494             | 0.99              | 41700            | 1 4 0                                                                                                                                                                                      |                              |               |
| 6.2             | 153.00 | 2732             | 0.92              | 41700            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.1             | 156.45 | 2839             | 0.96              | 41656            | C 0 8 4 1 1 6 0 _ M _ _ _ 2 . 2 C - -                                                                                                                                                      | 175                          | 112M          |
| 5.4             | 176.60 | 3189             | 0.89              | 41656            | 1 8 0                                                                                                                                                                                      |                              |               |
| 14              | 69.91  | 1363             | 3.26              | 53714            | C 0 9 2 1 7 1 . _ M _ _ _ 2 . 2 C - -                                                                                                                                                      | 215                          | 112M          |
| 12              | 77.18  | 1502             | 2.98              | 53692            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 93.18  | 1703             | 3.08              | 53671            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.2             | 103.53 | 1883             | 2.86              | 53649            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.9             | 106.17 | 2045             | 2.25              | 53647            | 1 1 2                                                                                                                                                                                      |                              |               |
| 8.0             | 119.38 | 2282             | 2.04              | 53616            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.5             | 146.23 | 2611             | 2.14              | 53586            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.9             | 161.44 | 2871             | 1.94              | 53555            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.3             | 222.08 | 3876             | 1.44              | 53443            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 249.73 | 4337             | 1.29              | 53398            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.9             | 159.68 | 2956             | 1.62              | 53383            | C 0 9 4 1 1 6 0 _ M _ _ _ 2 . 2 C - -                                                                                                                                                      | 243                          | 112M          |
| 5.4             | 177.41 | 3270             | 1.47              | 53383            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.2             | 224.51 | 4153             | 1.15              | 53383            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 249.43 | 4596             | 1.05              | 53383            | 2 5 0                                                                                                                                                                                      |                              |               |
| 3.4             | 282.46 | 5221             | 0.92              | 53383            | 2 8 0                                                                                                                                                                                      |                              |               |
| 3.0             | 313.81 | 5778             | 0.83              | 53383            | 3 1 5                                                                                                                                                                                      |                              |               |
| 8.2             | 115.82 | 2240             | 3.53              | 87400            | C 1 0 2 1 1 2 5 _ M _ _ _ 2 . 2 C - -                                                                                                                                                      | 312                          | 112M          |
| 6.6             | 144.71 | 2668             | 3.12              | 87376            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.7             | 166.73 | 3055             | 2.79              | 87365            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.2             | 225.50 | 4064             | 2.17              | 87347            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.9             | 242.27 | 4347             | 2.03              | 87347            | 2 5 0                                                                                                                                                                                      |                              |               |
| 1.9             | 495.31 | 9204             | 0.92              | 87299            | C 1 0 4 1 5 0 0 _ M _ _ _ 2 . 2 C - -                                                                                                                                                      | 361                          | 112M          |
| 1.7             | 544.84 | 10117            | 0.84              | 87299            | 5 6 0                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

## GEARED MOTORS

**3.0 kW**

4 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 166             | 8.59   | 147              | 0.93              | 5280             | C 0 4 2 1 8 . 0 _ M _ _ _ 3 . 0 A - -                                                                                                                                                      | 37                           | 100L          |
| 171             | 8.31   | 145              | 1.44              | 7440             | C 0 5 2 1 8 . 0 _ M _ _ _ 3 . 0 A - -                                                                                                                                                      | 41                           | 100L          |
| 122             | 11.66  | 200              | 1.19              | 7440             | 1 1 .                                                                                                                                                                                      |                              |               |
| 111             | 12.85  | 220              | 1.12              | 7440             | 1 2 .                                                                                                                                                                                      |                              |               |
| 98              | 14.59  | 249              | 1.04              | 7432             | 1 4 .                                                                                                                                                                                      |                              |               |
| 89              | 16.09  | 253              | 1.26              | 7440             | 1 6 .                                                                                                                                                                                      |                              |               |
| 77              | 18.53  | 314              | 0.90              | 7440             | 1 8 .                                                                                                                                                                                      |                              |               |
| 68              | 21.05  | 354              | 0.83              | 7430             | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 22.56  | 347              | 0.99              | 7430             | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 24.86  | 379              | 0.93              | 7430             | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.24  | 426              | 0.85              | 7420             | 2 8 .                                                                                                                                                                                      |                              |               |
| 173             | 8.23   | 149              | 2.50              | 11894            | C 0 6 2 1 8 . 0 _ M _ _ _ 3 . 0 A - -                                                                                                                                                      | 53                           | 100L          |
| 123             | 11.57  | 208              | 2.05              | 11858            | 1 1 .                                                                                                                                                                                      |                              |               |
| 110             | 12.97  | 232              | 1.92              | 11858            | 1 2 .                                                                                                                                                                                      |                              |               |
| 98              | 14.56  | 260              | 1.79              | 11802            | 1 4 .                                                                                                                                                                                      |                              |               |
| 89              | 15.93  | 261              | 1.98              | 11851            | 1 6 .                                                                                                                                                                                      |                              |               |
| 77              | 18.49  | 328              | 1.55              | 11752            | 1 8 .                                                                                                                                                                                      |                              |               |
| 68              | 20.96  | 370              | 1.43              | 11752            | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.40  | 362              | 1.60              | 11752            | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 25.11  | 403              | 1.47              | 11752            | 2 5 .                                                                                                                                                                                      |                              |               |
| 51              | 28.18  | 451              | 1.35              | 11715            | 2 8 .                                                                                                                                                                                      |                              |               |
| 43              | 33.48  | 583              | 1.07              | 11544            | 3 2 .                                                                                                                                                                                      |                              |               |
| 40              | 35.79  | 563              | 1.13              | 11615            | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.57  | 634              | 1.03              | 11600            | C 0 6 2 1 4 0 _ M _ _ _ 3 . 0 A - -                                                                                                                                                        | 53                           | 100L          |
| 30              | 47.32  | 815              | 0.85              | 11400            | 4 5 .                                                                                                                                                                                      |                              |               |
| 130             | 10.94  | 201              | 3.64              | 24654            | C 0 7 2 1 1 1 _ M _ _ _ 3 . 0 A - -                                                                                                                                                        | 95                           | 100L          |
| 116             | 12.29  | 227              | 3.37              | 25318            | 1 2 .                                                                                                                                                                                      |                              |               |
| 105             | 13.52  | 249              | 3.19              | 25990            | 1 4 .                                                                                                                                                                                      |                              |               |
| 90              | 15.80  | 279              | 2.56              | 27218            | 1 6 .                                                                                                                                                                                      |                              |               |
| 81              | 17.66  | 323              | 2.72              | 27800            | 1 8 .                                                                                                                                                                                      |                              |               |
| 71              | 20.07  | 367              | 2.51              | 28732            | 2 0 .                                                                                                                                                                                      |                              |               |
| 65              | 21.89  | 385              | 2.03              | 28898            | 2 2 .                                                                                                                                                                                      |                              |               |
| 58              | 24.59  | 430              | 1.86              | 28943            | 2 5 .                                                                                                                                                                                      |                              |               |
| 53              | 27.03  | 473              | 1.74              | 29018            | 2 8 .                                                                                                                                                                                      |                              |               |
| 46              | 30.81  | 554              | 1.43              | 28530            | 3 2 .                                                                                                                                                                                      |                              |               |
| 40              | 35.31  | 611              | 1.42              | 29151            | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 40.15  | 691              | 1.29              | 29151            | 4 0 .                                                                                                                                                                                      |                              |               |
| 32              | 44.13  | 785              | 1.11              | 29051            | 4 5 .                                                                                                                                                                                      |                              |               |
| 29              | 49.90  | 883              | 1.00              | 29051            | 5 0 .                                                                                                                                                                                      |                              |               |
| 27              | 53.62  | 913              | 1.04              | 29057            | 5 6 .                                                                                                                                                                                      |                              |               |
| 23              | 61.62  | 1042             | 0.93              | 28986            | 6 3 .                                                                                                                                                                                      |                              |               |
| 58              | 24.47  | 434              | 3.80              | 38856            | C 0 8 2 1 2 5 _ M _ _ _ 3 . 0 A - -                                                                                                                                                        | 145                          | 100L          |
| 52              | 27.22  | 480              | 3.54              | 39518            | 2 8 .                                                                                                                                                                                      |                              |               |
| 45              | 31.78  | 577              | 3.37              | 40736            | 3 2 .                                                                                                                                                                                      |                              |               |
| 40              | 35.20  | 618              | 2.91              | 41500            | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 39.51  | 690              | 2.67              | 41563            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 43.64  | 785              | 2.76              | 40657            | 4 5 .                                                                                                                                                                                      |                              |               |
| 29              | 49.26  | 881              | 2.55              | 41512            | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 54.60  | 942              | 2.08              | 41884            | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 63.56  | 1087             | 1.85              | 41869            | 6 3 .                                                                                                                                                                                      |                              |               |
| 20              | 69.64  | 1229             | 2.02              | 41794            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 76.50  | 1349             | 1.90              | 41758            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 87.29  | 1474             | 1.44              | 41801            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 98.53  | 1652             | 1.31              | 41828            | 1 0 0                                                                                                                                                                                      |                              |               |
| 14              | 102.38 | 1788             | 1.54              | 41828            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 117.89 | 2042             | 1.40              | 41757            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 139.29 | 2296             | 1.01              | 41686            | 1 4 0                                                                                                                                                                                      |                              |               |
| 9.3             | 153.00 | 2517             | 0.93              | 41700            | 1 6 0                                                                                                                                                                                      |                              |               |
| 9.1             | 156.45 | 2570             | 1.06              | 41656            | C 0 8 4 1 1 6 0 _ M _ _ _ 3 . 0 A - -                                                                                                                                                      | 161                          | 100L          |
| 8.1             | 176.60 | 2887             | 0.99              | 41656            | 1 8 0                                                                                                                                                                                      |                              |               |
| 20              | 69.91  | 1250             | 3.41              | 53723            | C 0 9 2 1 7 1 _ M _ _ _ 3 . 0 A - -                                                                                                                                                        | 208                          | 100L          |
| 18              | 77.18  | 1380             | 3.12              | 53704            | 8 0 .                                                                                                                                                                                      |                              |               |
| 15              | 93.18  | 1578             | 2.98              | 53684            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 103.53 | 1745             | 2.78              | 53665            | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 106.17 | 1877             | 2.37              | 53681            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 119.38 | 2098             | 2.14              | 53651            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 146.23 | 2417             | 2.19              | 53621            | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.8             | 161.44 | 2660             | 2.04              | 53592            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.4             | 222.08 | 3593             | 1.55              | 53497            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.7             | 249.73 | 4007             | 1.39              | 53454            | 2 5 0                                                                                                                                                                                      |                              |               |
| 8.9             | 159.68 | 2681             | 1.78              | 53383            | C 0 9 4 1 1 6 0 _ M _ _ _ 3 . 0 A - -                                                                                                                                                      | 229                          | 100L          |
| 8.0             | 177.41 | 2966             | 1.62              | 53383            | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.3             | 224.51 | 3769             | 1.27              | 53383            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.7             | 249.43 | 4169             | 1.16              | 53383            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.0             | 282.46 | 4739             | 1.01              | 53383            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.5             | 313.81 | 5243             | 0.92              | 53383            | 3 1 5                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**3.0 kW**

4 POLE

**3.0 kW**

6 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 12              | 115.82 | 2064             | 3.87              | 87400            | C 1 0 2 1 1 2 5 _ M _ _ _ 3 . 0 A - -                                                                                                                                                      | 305                          | 100L          |
| 10              | 144.71 | 2462             | 3.15              | 87381            | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.5             | 166.73 | 2818             | 2.82              | 87372            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.3             | 225.50 | 3757             | 2.23              | 87369            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.9             | 242.27 | 4021             | 2.11              | 87369            | 2 5 0                                                                                                                                                                                      |                              |               |
| 2.9             | 495.31 | 8361             | 1.01              | 87299            | C 1 0 4 1 5 0 0 _ M _ _ _ 3 . 0 A - -                                                                                                                                                      | 347                          | 100L          |
| 2.6             | 544.84 | 9194             | 0.92              | 87299            | 5 6 0                                                                                                                                                                                      |                              |               |
| 2.3             | 626.07 | 10557            | 0.80              | 87299            | 6 3 0                                                                                                                                                                                      |                              |               |
| 116             | 8.23   | 221              | 1.99              | 11846            | C 0 6 2 1 8 . 0 _ M _ _ _ 3 . 0 C - -                                                                                                                                                      | 82                           | 132S          |
| 83              | 11.57  | 307              | 1.62              | 11794            | 1 1 .                                                                                                                                                                                      |                              |               |
| 74              | 12.97  | 343              | 1.51              | 11743            | 1 2 .                                                                                                                                                                                      |                              |               |
| 66              | 14.56  | 384              | 1.40              | 11692            | 1 4 .                                                                                                                                                                                      |                              |               |
| 60              | 15.93  | 384              | 1.52              | 11743            | 1 6 .                                                                                                                                                                                      |                              |               |
| 52              | 18.49  | 484              | 1.21              | 11641            | 1 8 .                                                                                                                                                                                      |                              |               |
| 46              | 20.96  | 547              | 1.12              | 11589            | 2 0 .                                                                                                                                                                                      |                              |               |
| 43              | 22.40  | 530              | 1.18              | 11641            | 2 2 .                                                                                                                                                                                      |                              |               |
| 38              | 25.11  | 590              | 1.08              | 11589            | 2 5 .                                                                                                                                                                                      |                              |               |
| 34              | 28.18  | 657              | 0.99              | 11565            | 2 8 .                                                                                                                                                                                      |                              |               |
| 29              | 33.48  | 862              | 0.82              | 11320            | 3 2 .                                                                                                                                                                                      |                              |               |
| 27              | 35.79  | 820              | 0.84              | 11392            | 3 6 .                                                                                                                                                                                      |                              |               |
| 121             | 7.90   | 217              | 2.83              | 24578            | C 0 7 2 1 8 . 0 _ M _ _ _ 3 . 0 C - -                                                                                                                                                      | 126                          | 132S          |
| 87              | 10.94  | 300              | 2.83              | 26605            | 1 1 .                                                                                                                                                                                      |                              |               |
| 78              | 12.29  | 336              | 2.66              | 27425            | 1 2 .                                                                                                                                                                                      |                              |               |
| 71              | 13.52  | 369              | 2.51              | 28125            | 1 4 .                                                                                                                                                                                      |                              |               |
| 60              | 15.80  | 414              | 1.92              | 28725            | 1 6 .                                                                                                                                                                                      |                              |               |
| 54              | 17.66  | 479              | 2.13              | 28575            | 1 8 .                                                                                                                                                                                      |                              |               |
| 48              | 20.07  | 539              | 1.96              | 28700            | 2 0 .                                                                                                                                                                                      |                              |               |
| 44              | 21.89  | 568              | 1.51              | 29125            | 2 2 .                                                                                                                                                                                      |                              |               |
| 39              | 24.59  | 635              | 1.39              | 29125            | 2 5 .                                                                                                                                                                                      |                              |               |
| 35              | 27.03  | 696              | 1.29              | 29125            | 2 8 .                                                                                                                                                                                      |                              |               |
| 31              | 30.81  | 818              | 1.05              | 29046            | 3 2 .                                                                                                                                                                                      |                              |               |
| 27              | 35.31  | 899              | 1.05              | 29080            | 3 6 .                                                                                                                                                                                      |                              |               |
| 24              | 40.15  | 1016             | 0.95              | 29020            | 4 0 .                                                                                                                                                                                      |                              |               |
| 22              | 44.13  | 1159             | 0.82              | 28982            | 4 5 .                                                                                                                                                                                      |                              |               |
| 61              | 15.54  | 414              | 3.91              | 37968            | C 0 8 2 1 1 6 . _ M _ _ _ 3 . 0 C - -                                                                                                                                                      | 169                          | 132S          |
| 54              | 17.60  | 479              | 3.81              | 38900            | 1 8 .                                                                                                                                                                                      |                              |               |
| 48              | 19.76  | 538              | 3.55              | 40105            | 2 0 .                                                                                                                                                                                      |                              |               |
| 43              | 22.03  | 581              | 3.06              | 41142            | 2 2 .                                                                                                                                                                                      |                              |               |
| 39              | 24.47  | 643              | 2.83              | 41252            | 2 5 .                                                                                                                                                                                      |                              |               |
| 35              | 27.22  | 711              | 2.61              | 41675            | 2 8 .                                                                                                                                                                                      |                              |               |
| 30              | 31.78  | 850              | 2.62              | 41575            | 3 2 .                                                                                                                                                                                      |                              |               |
| 27              | 35.20  | 908              | 2.15              | 41875            | 3 6 .                                                                                                                                                                                      |                              |               |
| 24              | 39.51  | 1015             | 1.96              | 41850            | 4 0 .                                                                                                                                                                                      |                              |               |
| 22              | 43.64  | 1160             | 2.12              | 41826            | 4 5 .                                                                                                                                                                                      |                              |               |
| 19              | 49.26  | 1302             | 1.95              | 41752            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 54.60  | 1382             | 1.52              | 41825            | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 63.56  | 1596             | 1.35              | 41787            | 6 3 .                                                                                                                                                                                      |                              |               |
| 14              | 69.64  | 1818             | 1.53              | 41694            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 76.50  | 1991             | 1.43              | 41694            | 8 0 .                                                                                                                                                                                      |                              |               |
| 11              | 87.29  | 2164             | 1.06              | 41755            | 9 0 .                                                                                                                                                                                      |                              |               |
| 10              | 98.53  | 2433             | 0.96              | 41700            | 1 0 0                                                                                                                                                                                      |                              |               |
| 9.3             | 102.38 | 2642             | 1.15              | 41700            | 1 1 2                                                                                                                                                                                      |                              |               |
| 21              | 44.55  | 1195             | 3.55              | 53734            | C 0 9 2 1 4 5 . _ M _ _ _ 3 . 0 C - -                                                                                                                                                      | 232                          | 132S          |
| 19              | 49.49  | 1326             | 3.23              | 53712            | 5 0 .                                                                                                                                                                                      |                              |               |
| 14              | 69.91  | 1849             | 2.40              | 53666            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 77.18  | 2037             | 2.20              | 53633            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 93.18  | 2310             | 2.27              | 53600            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.2             | 103.53 | 2555             | 2.11              | 53566            | 1 0 0                                                                                                                                                                                      |                              |               |
| 9.0             | 106.17 | 2774             | 1.66              | 53563            | 1 1 2                                                                                                                                                                                      |                              |               |
| 8.0             | 119.38 | 3095             | 1.50              | 53515            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.5             | 146.23 | 3542             | 1.58              | 53468            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.9             | 161.44 | 3895             | 1.43              | 53421            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.3             | 222.08 | 5258             | 1.06              | 53246            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.8             | 249.73 | 5883             | 0.95              | 53176            | 2 5 0                                                                                                                                                                                      |                              |               |
| 6.0             | 159.68 | 4010             | 1.19              | 53383            | C 0 9 4 1 1 6 0 _ M _ _ _ 3 . 0 C - -                                                                                                                                                      | 260                          | 132S          |
| 5.4             | 177.41 | 4437             | 1.09              | 53383            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.3             | 224.51 | 5634             | 0.85              | 53383            | 2 1 2                                                                                                                                                                                      |                              |               |
| 10              | 91.32  | 2328             | 3.30              | 87384            | C 1 0 2 1 9 0 . _ M _ _ _ 3 . 0 C - -                                                                                                                                                      | 329                          | 132S          |
| 9.4             | 101.47 | 2575             | 3.04              | 87368            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.9             | 107.80 | 2836             | 3.07              | 87400            | 1 1 2                                                                                                                                                                                      |                              |               |
| 8.2             | 115.82 | 3038             | 2.60              | 87400            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.6             | 144.71 | 3619             | 2.30              | 87350            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.7             | 166.73 | 4144             | 2.06              | 87325            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.2             | 225.50 | 5513             | 1.60              | 87287            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.9             | 242.27 | 5897             | 1.50              | 87287            | 2 5 0                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**3.0 kW**

6 POLE

**3.7 kW**

4 POLE

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 5.9             | 160.55 | 4062             | 2.09              | 87299            | C 1 0 4 1 1 6 0 _ M _ _ _ 3 . 0 C - -                                                                                                                                                      | 378                          | 132S          |
| 5.4             | 178.41 | 4494             | 1.84              | 87375            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.3             | 222.38 | 5623             | 1.51              | 87299            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.9             | 247.12 | 6221             | 1.33              | 87375            | 2 5 0                                                                                                                                                                                      |                              |               |
| 3.5             | 274.67 | 6942             | 1.22              | 87299            | 2 8 0                                                                                                                                                                                      |                              |               |
| 3.1             | 305.22 | 7680             | 1.08              | 87375            | 3 1 5                                                                                                                                                                                      |                              |               |
| 2.7             | 358.77 | 9058             | 0.94              | 87299            | 3 6 0                                                                                                                                                                                      |                              |               |
| 2.3             | 407.90 | 10293            | 0.82              | 87299            | 4 0 0                                                                                                                                                                                      |                              |               |
| 173             | 8.31   | 178              | 1.18              | 7504             | C 0 5 2 1 8 . 0 _ M _ _ _ 4 . 0 A - -                                                                                                                                                      | 49                           | 112M          |
| 123             | 11.66  | 245              | 0.97              | 7504             | 1 1 .                                                                                                                                                                                      |                              |               |
| 112             | 12.85  | 269              | 0.92              | 7504             | 1 2 .                                                                                                                                                                                      |                              |               |
| 174             | 8.23   | 182              | 2.04              | 11953            | C 0 6 2 1 8 . 0 _ M _ _ _ 4 . 0 A - -                                                                                                                                                      | 65                           | 112M          |
| 124             | 11.57  | 254              | 1.68              | 11903            | 1 1 .                                                                                                                                                                                      |                              |               |
| 111             | 12.97  | 285              | 1.57              | 11903            | 1 2 .                                                                                                                                                                                      |                              |               |
| 99              | 14.56  | 318              | 1.46              | 11822            | 1 4 .                                                                                                                                                                                      |                              |               |
| 90              | 15.93  | 320              | 1.61              | 11892            | 1 6 .                                                                                                                                                                                      |                              |               |
| 78              | 18.49  | 402              | 1.26              | 11751            | 1 8 .                                                                                                                                                                                      |                              |               |
| 68              | 20.96  | 454              | 1.17              | 11751            | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.4   | 444              | 1.30              | 11751            | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 25.11  | 494              | 1.20              | 11751            | 2 5 .                                                                                                                                                                                      |                              |               |
| 51              | 28.18  | 552              | 1.10              | 11700            | 2 8 .                                                                                                                                                                                      |                              |               |
| 43              | 33.48  | 714              | 0.88              | 11498            | 3 2 .                                                                                                                                                                                      |                              |               |
| 40              | 35.79  | 690              | 0.92              | 11599            | 3 6 .                                                                                                                                                                                      |                              |               |
| 182             | 7.9    | 179              | 3.45              | 22974            | C 0 7 2 1 8 . 0 _ M _ _ _ 3 . 7 A - -                                                                                                                                                      | 109                          | 112M          |
| 131             | 10.94  | 247              | 2.97              | 24557            | 1 1 .                                                                                                                                                                                      |                              |               |
| 117             | 12.29  | 278              | 2.76              | 25180            | 1 2 .                                                                                                                                                                                      |                              |               |
| 106             | 13.52  | 304              | 2.61              | 25825            | 1 4 .                                                                                                                                                                                      |                              |               |
| 91              | 15.8   | 342              | 2.09              | 27096            | 1 6 .                                                                                                                                                                                      |                              |               |
| 81              | 17.66  | 396              | 2.22              | 27535            | 1 8 .                                                                                                                                                                                      |                              |               |
| 71              | 20.07  | 449              | 2.05              | 28389            | 2 0 .                                                                                                                                                                                      |                              |               |
| 66              | 21.89  | 471              | 1.65              | 28766            | 2 2 .                                                                                                                                                                                      |                              |               |
| 58              | 24.59  | 527              | 1.52              | 28869            | 2 5 .                                                                                                                                                                                      |                              |               |
| 53              | 27.03  | 579              | 1.42              | 29040            | 2 8 .                                                                                                                                                                                      |                              |               |
| 47              | 30.81  | 679              | 1.17              | 28499            | 3 2 .                                                                                                                                                                                      |                              |               |
| 41              | 35.31  | 749              | 1.17              | 29341            | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 40.15  | 846              | 1.06              | 29341            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 44.13  | 961              | 0.91              | 29240            | 4 5 .                                                                                                                                                                                      |                              |               |
| 92              | 15.54  | 341              | 4.06              | 35093            | C 0 8 2 1 1 6 . _ M _ _ _ 3 . 7 A - -                                                                                                                                                      | 152                          | 112M          |
| 82              | 17.6   | 399              | 3.96              | 35903            | 1 8 .                                                                                                                                                                                      |                              |               |
| 73              | 19.76  | 447              | 3.69              | 37115            | 2 0 .                                                                                                                                                                                      |                              |               |
| 65              | 22.03  | 480              | 3.29              | 38122            | 2 2 .                                                                                                                                                                                      |                              |               |
| 59              | 24.47  | 531              | 3.10              | 38757            | 2 5 .                                                                                                                                                                                      |                              |               |
| 53              | 27.22  | 588              | 2.89              | 39376            | 2 8 .                                                                                                                                                                                      |                              |               |
| 45              | 31.78  | 708              | 2.76              | 40376            | 3 2 .                                                                                                                                                                                      |                              |               |
| 41              | 35.2   | 758              | 2.38              | 41353            | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 39.51  | 845              | 2.17              | 41497            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 43.64  | 962              | 2.26              | 40496            | 4 5 .                                                                                                                                                                                      |                              |               |
| 29              | 49.26  | 1079             | 2.09              | 41709            | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 54.6   | 1153             | 1.70              | 42227            | 5 6 .                                                                                                                                                                                      |                              |               |
| 23              | 63.56  | 1332             | 1.51              | 42192            | 6 3 .                                                                                                                                                                                      |                              |               |
| 21              | 69.64  | 1506             | 1.65              | 42111            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 76.5   | 1653             | 1.55              | 42060            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 87.29  | 1805             | 1.18              | 42120            | 9 0 .                                                                                                                                                                                      |                              |               |
| 15              | 98.53  | 2024             | 1.07              | 42160            | 1 0 0                                                                                                                                                                                      |                              |               |
| 14              | 102.38 | 2190             | 1.26              | 42160            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 117.89 | 2501             | 1.14              | 42059            | 1 2 5                                                                                                                                                                                      |                              |               |
| 32              | 44.55  | 991              | 4.06              | 54196            | C 0 9 2 1 4 5 . _ M _ _ _ 3 . 7 A - -                                                                                                                                                      | 215                          | 112M          |
| 29              | 49.49  | 1100             | 3.72              | 54179            | 5 0 .                                                                                                                                                                                      |                              |               |
| 21              | 69.91  | 1531             | 2.78              | 54144            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 77.18  | 1690             | 2.54              | 54115            | 8 0 .                                                                                                                                                                                      |                              |               |
| 15              | 93.18  | 1932             | 2.43              | 54086            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 103.53 | 2138             | 2.27              | 54056            | 1 0 0                                                                                                                                                                                      |                              |               |
| 14              | 106.17 | 2299             | 1.94              | 54080            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 119.38 | 2571             | 1.75              | 54035            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 146.23 | 2960             | 1.78              | 53989            | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.9             | 161.44 | 3257             | 1.66              | 53943            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.5             | 222.08 | 4401             | 1.26              | 53797            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.7             | 249.73 | 4908             | 1.14              | 53731            | 2 5 0                                                                                                                                                                                      |                              |               |
| 9               | 159.68 | 3284             | 1.46              | 53843            | C 0 9 4 1 1 6 0 _ M _ _ _ 3 . 7 A - -                                                                                                                                                      | 243                          | 112M          |
| 8.1             | 177.41 | 3632             | 1.33              | 53843            | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.4             | 224.51 | 4616             | 1.04              | 53843            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.8             | 249.43 | 5105             | 0.94              | 53843            | 2 5 0                                                                                                                                                                                      |                              |               |
| 16              | 91.32  | 1943             | 3.66              | 88153            | C 1 0 2 1 9 0 . _ M _ _ _ 3 . 7 A - -                                                                                                                                                      | 312                          | 112M          |
| 14              | 101.47 | 2148             | 3.37              | 88138            | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 107.8  | 2360             | 3.66              | 88153            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 115.82 | 2528             | 3.16              | 88153            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 144.71 | 3016             | 2.57              | 88112            | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.6             | 166.73 | 3452             | 2.30              | 88090            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.4             | 225.5  | 4601             | 1.82              | 88084            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.9             | 242.27 | 4925             | 1.72              | 88084            | 2 5 0                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**3.7 kW**

4 POLE

**3.7 kW**

6 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 8.9             | 160.55 | 3326             | 2.55              | 88051            | C 1 0 4 1 1 6 0 _ M _ _ _ 3 . 7 A - -                                                                                                                                                      | 361                          | 112M          |
| 8               | 178.41 | 3678             | 2.25              | 88128            | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.5             | 222.38 | 4606             | 1.84              | 88051            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.8             | 247.12 | 5094             | 1.63              | 88128            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.2             | 274.67 | 5688             | 1.49              | 88051            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.7             | 305.22 | 6290             | 1.32              | 88128            | 3 1 5                                                                                                                                                                                      |                              |               |
| 4               | 358.77 | 7425             | 1.15              | 88051            | 3 6 0                                                                                                                                                                                      |                              |               |
| 3.5             | 407.9  | 8439             | 1.01              | 88051            | 4 0 0                                                                                                                                                                                      |                              |               |
| 3.2             | 453.27 | 9333             | 0.89              | 88128            | 4 5 0                                                                                                                                                                                      |                              |               |
| 117             | 8.23   | 271              | 1.62              | 11889            | C 0 6 2 1 8 . 0 _ M _ _ _ 3 . 7 C - -                                                                                                                                                      | 78                           | 132S          |
| 83              | 11.57  | 377              | 1.32              | 11817            | 1 1 .                                                                                                                                                                                      |                              |               |
| 74              | 12.97  | 422              | 1.23              | 11746            | 1 2 .                                                                                                                                                                                      |                              |               |
| 66              | 14.56  | 472              | 1.15              | 11675            | 1 4 .                                                                                                                                                                                      |                              |               |
| 60              | 15.93  | 471              | 1.23              | 11746            | 1 6 .                                                                                                                                                                                      |                              |               |
| 52              | 18.49  | 595              | 0.98              | 11603            | 1 8 .                                                                                                                                                                                      |                              |               |
| 46              | 20.96  | 672              | 0.91              | 11531            | 2 0 .                                                                                                                                                                                      |                              |               |
| 43              | 22.4   | 650              | 0.96              | 11603            | 2 2 .                                                                                                                                                                                      |                              |               |
| 38              | 25.11  | 723              | 0.88              | 11531            | 2 5 .                                                                                                                                                                                      |                              |               |
| 122             | 7.9    | 266              | 2.30              | 24440            | C 0 7 2 1 8 . 0 _ M _ _ _ 3 . 7 C - -                                                                                                                                                      | 122                          | 132S          |
| 88              | 10.94  | 368              | 2.30              | 26367            | 1 1 .                                                                                                                                                                                      |                              |               |
| 78              | 12.29  | 413              | 2.17              | 27140            | 1 2 .                                                                                                                                                                                      |                              |               |
| 71              | 13.52  | 452              | 2.04              | 27778            | 1 4 .                                                                                                                                                                                      |                              |               |
| 61              | 15.8   | 509              | 1.57              | 28653            | 1 6 .                                                                                                                                                                                      |                              |               |
| 54              | 17.66  | 587              | 1.74              | 28401            | 1 8 .                                                                                                                                                                                      |                              |               |
| 48              | 20.07  | 662              | 1.60              | 28610            | 2 0 .                                                                                                                                                                                      |                              |               |
| 44              | 21.89  | 697              | 1.23              | 29325            | 2 2 .                                                                                                                                                                                      |                              |               |
| 39              | 24.59  | 780              | 1.12              | 29325            | 2 5 .                                                                                                                                                                                      |                              |               |
| 36              | 27.03  | 854              | 1.05              | 29325            | 2 8 .                                                                                                                                                                                      |                              |               |
| 87              | 11.01  | 375              | 4.14              | 34144            | C 0 8 2 1 1 1 . _ M _ _ _ 3 . 7 C - -                                                                                                                                                      | 165                          | 132S          |
| 78              | 12.24  | 413              | 3.89              | 35073            | 1 2 .                                                                                                                                                                                      |                              |               |
| 71              | 13.61  | 457              | 3.65              | 36076            | 1 4 .                                                                                                                                                                                      |                              |               |
| 62              | 15.54  | 508              | 3.19              | 37870            | 1 6 .                                                                                                                                                                                      |                              |               |
| 55              | 17.6   | 588              | 3.11              | 38630            | 1 8 .                                                                                                                                                                                      |                              |               |
| 49              | 19.76  | 660              | 2.89              | 39782            | 2 0 .                                                                                                                                                                                      |                              |               |
| 44              | 22.03  | 713              | 2.50              | 40986            | 2 2 .                                                                                                                                                                                      |                              |               |
| 39              | 24.47  | 789              | 2.30              | 41173            | 2 5 .                                                                                                                                                                                      |                              |               |
| 35              | 27.22  | 873              | 2.13              | 41883            | 2 8 .                                                                                                                                                                                      |                              |               |
| 30              | 31.78  | 1042             | 2.14              | 41714            | 3 2 .                                                                                                                                                                                      |                              |               |
| 27              | 35.2   | 1115             | 1.75              | 42219            | 3 6 .                                                                                                                                                                                      |                              |               |
| 24              | 39.51  | 1245             | 1.60              | 42176            | 4 0 .                                                                                                                                                                                      |                              |               |
| 22              | 43.64  | 1424             | 1.73              | 42158            | 4 5 .                                                                                                                                                                                      |                              |               |
| 19              | 49.26  | 1597             | 1.59              | 42055            | 5 0 .                                                                                                                                                                                      |                              |               |
| 18              | 54.6   | 1696             | 1.23              | 42135            | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 63.56  | 1959             | 1.09              | 42071            | 6 3 .                                                                                                                                                                                      |                              |               |
| 14              | 69.64  | 2231             | 1.24              | 41975            | 7 1 .                                                                                                                                                                                      |                              |               |
| 13              | 76.5   | 2443             | 1.17              | 41975            | 8 0 .                                                                                                                                                                                      |                              |               |
| 22              | 44.55  | 1466             | 2.89              | 54167            | C 0 9 2 1 4 5 . _ M _ _ _ 3 . 7 C - -                                                                                                                                                      | 228                          | 132S          |
| 19              | 49.49  | 1628             | 2.64              | 54135            | 5 0 .                                                                                                                                                                                      |                              |               |
| 14              | 69.91  | 2269             | 1.96              | 54069            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 77.18  | 2499             | 1.79              | 54020            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 93.18  | 2834             | 1.85              | 53972            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.3             | 103.53 | 3134             | 1.72              | 53923            | 1 0 0                                                                                                                                                                                      |                              |               |
| 9               | 106.17 | 3404             | 1.35              | 53918            | 1 1 2                                                                                                                                                                                      |                              |               |
| 8               | 119.38 | 3797             | 1.22              | 53849            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.6             | 146.23 | 4346             | 1.29              | 53780            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.9             | 161.44 | 4779             | 1.17              | 53711            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.3             | 222.08 | 6452             | 0.86              | 53457            | 2 1 2                                                                                                                                                                                      |                              |               |
| 6               | 159.68 | 4920             | 0.97              | 53843            | C 0 9 4 1 1 6 0 _ M _ _ _ 3 . 7 C - -                                                                                                                                                      | 256                          | 132S          |
| 5.4             | 177.41 | 5444             | 0.89              | 53843            | 1 8 0                                                                                                                                                                                      |                              |               |
| 14              | 69.18  | 2264             | 3.82              | 88115            | C 1 0 2 1 7 1 . _ M _ _ _ 3 . 7 C - -                                                                                                                                                      | 325                          | 132S          |
| 12              | 79.71  | 2608             | 3.35              | 88153            | 8 0 .                                                                                                                                                                                      |                              |               |
| 11              | 91.32  | 2856             | 2.69              | 88126            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.5             | 101.47 | 3160             | 2.49              | 88099            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.9             | 107.8  | 3480             | 2.50              | 88153            | 1 1 2                                                                                                                                                                                      |                              |               |
| 8.3             | 115.82 | 3728             | 2.12              | 88153            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.6             | 144.71 | 4441             | 1.88              | 88068            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.8             | 166.73 | 5084             | 1.68              | 88027            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.3             | 225.5  | 6764             | 1.31              | 87963            | 2 1 2                                                                                                                                                                                      |                              |               |
| 4               | 242.27 | 7235             | 1.22              | 87963            | 2 5 0                                                                                                                                                                                      |                              |               |
| 6               | 160.55 | 4984             | 1.70              | 88051            | C 1 0 4 1 1 6 0 _ M _ _ _ 3 . 7 C - -                                                                                                                                                      | 374                          | 132S          |
| 5.4             | 178.41 | 5513             | 1.50              | 88128            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.3             | 222.38 | 6900             | 1.23              | 88051            | 2 1 2                                                                                                                                                                                      |                              |               |
| 3.9             | 247.12 | 7633             | 1.08              | 88128            | 2 5 0                                                                                                                                                                                      |                              |               |
| 3.5             | 274.67 | 8517             | 0.99              | 88051            | 2 8 0                                                                                                                                                                                      |                              |               |
| 3.1             | 305.22 | 9423             | 0.88              | 88128            | 3 1 5                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

## GEARED MOTORS

**5.5 kW****4 POLE**

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 175             | 8.23   | 270              | 1.38              | 11786            | C 0 6 2 1 8 . 0 _ M _ - _ _ 5 . 5 A -                                                                                                                                                      | 82                           | 132S          |
| 124             | 11.57  | 377              | 1.13              | 11715            | 1 1 .                                                                                                                                                                                      |                              |               |
| 111             | 12.97  | 422              | 1.06              | 11715            | 1 2 .                                                                                                                                                                                      |                              |               |
| 99              | 14.56  | 472              | 0.99              | 11600            | 1 4 .                                                                                                                                                                                      |                              |               |
| 90              | 15.93  | 474              | 1.09              | 11700            | 1 6 .                                                                                                                                                                                      |                              |               |
| 78              | 18.49  | 596              | 0.85              | 11500            | 1 8 .                                                                                                                                                                                      |                              |               |
| 64              | 22.40  | 658              | 0.88              | 11500            | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 25.11  | 732              | 0.81              | 11500            | 2 5 .                                                                                                                                                                                      |                              |               |
| 182             | 7.90   | 265              | 2.33              | 22426            | C 0 7 2 1 8 . 0 _ M _ - _ _ 5 . 5 A -                                                                                                                                                      | 126                          | 132S          |
| 132             | 10.94  | 366              | 2.00              | 23887            | 1 1 .                                                                                                                                                                                      |                              |               |
| 117             | 12.29  | 412              | 1.86              | 24437            | 1 2 .                                                                                                                                                                                      |                              |               |
| 107             | 13.52  | 452              | 1.76              | 25025            | 1 4 .                                                                                                                                                                                      |                              |               |
| 91              | 15.80  | 507              | 1.41              | 26337            | 1 6 .                                                                                                                                                                                      |                              |               |
| 82              | 17.66  | 587              | 1.50              | 26550            | 1 8 .                                                                                                                                                                                      |                              |               |
| 72              | 20.07  | 665              | 1.38              | 27269            | 2 0 .                                                                                                                                                                                      |                              |               |
| 66              | 21.89  | 698              | 1.12              | 27954            | 2 2 .                                                                                                                                                                                      |                              |               |
| 59              | 24.59  | 781              | 1.03              | 28141            | 2 5 .                                                                                                                                                                                      |                              |               |
| 53              | 27.03  | 858              | 0.96              | 28452            | 2 8 .                                                                                                                                                                                      |                              |               |
| 131             | 11.01  | 371              | 3.56              | 31175            | C 0 8 2 1 1 1 . _ M _ - _ _ 5 . 5 A -                                                                                                                                                      | 169                          | 132S          |
| 118             | 12.24  | 413              | 3.34              | 31897            | 1 2 .                                                                                                                                                                                      |                              |               |
| 106             | 13.61  | 457              | 3.12              | 32868            | 1 4 .                                                                                                                                                                                      |                              |               |
| 93              | 15.54  | 506              | 2.74              | 34371            | 1 6 .                                                                                                                                                                                      |                              |               |
| 82              | 17.60  | 591              | 2.67              | 35010            | 1 8 .                                                                                                                                                                                      |                              |               |
| 73              | 19.76  | 662              | 2.49              | 36130            | 2 0 .                                                                                                                                                                                      |                              |               |
| 65              | 22.03  | 711              | 2.22              | 37210            | 2 2 .                                                                                                                                                                                      |                              |               |
| 59              | 24.47  | 787              | 2.09              | 37782            | 2 5 .                                                                                                                                                                                      |                              |               |
| 53              | 27.22  | 871              | 1.95              | 38325            | 2 8 .                                                                                                                                                                                      |                              |               |
| 45              | 31.78  | 1048             | 1.86              | 38975            | 3 2 .                                                                                                                                                                                      |                              |               |
| 41              | 35.20  | 1122             | 1.60              | 40250            | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 39.51  | 1251             | 1.47              | 40512            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 43.64  | 1425             | 1.52              | 39389            | 4 5 .                                                                                                                                                                                      |                              |               |
| 29              | 49.26  | 1599             | 1.41              | 41116            | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 54.60  | 1709             | 1.15              | 41837            | 5 6 .                                                                                                                                                                                      |                              |               |
| 23              | 63.56  | 1973             | 1.02              | 41775            | 6 3 .                                                                                                                                                                                      |                              |               |
| 21              | 69.64  | 2231             | 1.12              | 41686            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 76.50  | 2448             | 1.05              | 41615            | 8 0 .                                                                                                                                                                                      |                              |               |
| 32              | 44.55  | 1468             | 2.74              | 53698            | C 0 9 2 1 4 5 . _ M _ - _ _ 5 . 5 A -                                                                                                                                                      | 232                          | 132S          |
| 29              | 49.49  | 1629             | 2.51              | 53673            | 5 0 .                                                                                                                                                                                      |                              |               |
| 21              | 69.91  | 2268             | 1.88              | 53622            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 77.18  | 2504             | 1.72              | 53577            | 8 0 .                                                                                                                                                                                      |                              |               |
| 15              | 93.18  | 2863             | 1.64              | 53533            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 103.53 | 3167             | 1.53              | 53488            | 1 0 0                                                                                                                                                                                      |                              |               |
| 14              | 106.17 | 3405             | 1.30              | 53525            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 119.38 | 3808             | 1.18              | 53456            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 146.23 | 4385             | 1.21              | 53387            | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.9             | 161.44 | 4825             | 1.12              | 53318            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.5             | 222.08 | 6519             | 0.86              | 53100            | 2 1 2                                                                                                                                                                                      |                              |               |
| 9.0             | 159.68 | 4865             | 0.98              | 53383            | C 0 9 4 1 1 6 0 _ M _ - _ _ 5 . 5 A -                                                                                                                                                      | 260                          | 132S          |
| 8.1             | 177.41 | 5381             | 0.90              | 53383            | 1 8 0                                                                                                                                                                                      |                              |               |
| 21              | 69.18  | 2272             | 3.34              | 85716            | C 1 0 2 1 7 1 . _ M _ - _ _ 5 . 5 A -                                                                                                                                                      | 329                          | 132S          |
| 18              | 79.71  | 2606             | 2.94              | 86407            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 91.32  | 2878             | 2.47              | 87400            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 101.47 | 3182             | 2.28              | 87374            | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 107.80 | 3496             | 2.47              | 87400            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 115.82 | 3745             | 2.13              | 87400            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 144.71 | 4467             | 1.74              | 87325            | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.6             | 166.73 | 5114             | 1.56              | 87287            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.4             | 225.50 | 6816             | 1.23              | 87275            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.9             | 242.27 | 7295             | 1.16              | 87275            | 2 5 0                                                                                                                                                                                      |                              |               |
| 9.0             | 160.55 | 4927             | 1.72              | 87299            | C 1 0 4 1 1 6 0 _ M _ - _ _ 5 . 5 A -                                                                                                                                                      | 378                          | 132S          |
| 8.1             | 178.41 | 5449             | 1.52              | 87375            | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.5             | 222.38 | 6823             | 1.24              | 87299            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.8             | 247.12 | 7545             | 1.10              | 87375            | 2 5 0                                                                                                                                                                                      |                              |               |
| 5.2             | 274.67 | 8425             | 1.01              | 87299            | 2 8 0                                                                                                                                                                                      |                              |               |
| 4.7             | 305.22 | 9318             | 0.89              | 87375            | 3 1 5                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**5.5 kW**

6 POLE

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 117             | 8.23   | 403              | 1.09              | 11700            | C 0 6 2 1 8 . 0 _ M _ _ _ 5 . 5 C - -                                                                                                                                                      | 86                           | 132M          |
| 83              | 11.57  | 561              | 0.89              | 11600            | 1 1 .                                                                                                                                                                                      |                              |               |
| 74              | 12.97  | 627              | 0.83              | 11500            | 1 2 .                                                                                                                                                                                      |                              |               |
| 60              | 15.93  | 700              | 0.83              | 11500            | 1 6 .                                                                                                                                                                                      |                              |               |
| 122             | 7.90   | 396              | 1.55              | 23710            | C 0 7 2 1 8 . 0 _ M _ _ _ 5 . 5 C - -                                                                                                                                                      | 130                          | 132M          |
| 88              | 10.94  | 547              | 1.55              | 25447            | 1 1 .                                                                                                                                                                                      |                              |               |
| 78              | 12.29  | 613              | 1.46              | 26133            | 1 2 .                                                                                                                                                                                      |                              |               |
| 71              | 13.52  | 673              | 1.38              | 26666            | 1 4 .                                                                                                                                                                                      |                              |               |
| 61              | 15.80  | 756              | 1.05              | 27933            | 1 6 .                                                                                                                                                                                      |                              |               |
| 54              | 17.66  | 873              | 1.17              | 27533            | 1 8 .                                                                                                                                                                                      |                              |               |
| 48              | 20.07  | 984              | 1.08              | 27866            | 2 0 .                                                                                                                                                                                      |                              |               |
| 44              | 21.89  | 1037             | 0.83              | 29000            | 2 2 .                                                                                                                                                                                      |                              |               |
| 124             | 7.77   | 391              | 3.16              | 30947            | C 0 8 2 1 8 . 0 _ M _ _ _ 5 . 5 C - -                                                                                                                                                      | 173                          | 132M          |
| 87              | 11.01  | 557              | 2.78              | 33284            | 1 1 .                                                                                                                                                                                      |                              |               |
| 78              | 12.24  | 614              | 2.62              | 34157            | 1 2 .                                                                                                                                                                                      |                              |               |
| 71              | 13.61  | 680              | 2.45              | 35089            | 1 4 .                                                                                                                                                                                      |                              |               |
| 62              | 15.54  | 755              | 2.15              | 36915            | 1 6 .                                                                                                                                                                                      |                              |               |
| 55              | 17.60  | 875              | 2.09              | 37400            | 1 8 .                                                                                                                                                                                      |                              |               |
| 49              | 19.76  | 981              | 1.95              | 38447            | 2 0 .                                                                                                                                                                                      |                              |               |
| 44              | 22.03  | 1060             | 1.68              | 39878            | 2 2 .                                                                                                                                                                                      |                              |               |
| 39              | 24.47  | 1173             | 1.55              | 40173            | 2 5 .                                                                                                                                                                                      |                              |               |
| 35              | 27.22  | 1298             | 1.43              | 41300            | 2 8 .                                                                                                                                                                                      |                              |               |
| 30              | 31.78  | 1550             | 1.44              | 41033            | 3 2 .                                                                                                                                                                                      |                              |               |
| 27              | 35.20  | 1657             | 1.18              | 41833            | 3 6 .                                                                                                                                                                                      |                              |               |
| 24              | 39.51  | 1851             | 1.07              | 41766            | 4 0 .                                                                                                                                                                                      |                              |               |
| 22              | 43.64  | 2117             | 1.16              | 41756            | 4 5 .                                                                                                                                                                                      |                              |               |
| 19              | 49.26  | 2375             | 1.07              | 41612            | 5 0 .                                                                                                                                                                                      |                              |               |
| 18              | 54.60  | 2521             | 0.83              | 41700            | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 69.64  | 3316             | 0.84              | 41500            | 7 1 .                                                                                                                                                                                      |                              |               |
| 22              | 44.55  | 2179             | 1.95              | 53660            | C 0 9 2 1 4 5 . _ M _ _ _ 5 . 5 C - -                                                                                                                                                      | 236                          | 132M          |
| 19              | 49.49  | 2420             | 1.77              | 53614            | 5 0 .                                                                                                                                                                                      |                              |               |
| 14              | 69.91  | 3372             | 1.32              | 53518            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 77.18  | 3716             | 1.21              | 53448            | 8 0 .                                                                                                                                                                                      |                              |               |
| 10              | 93.18  | 4213             | 1.24              | 53377            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.3             | 103.53 | 4659             | 1.15              | 53307            | 1 0 0                                                                                                                                                                                      |                              |               |
| 9.0             | 106.17 | 5060             | 0.91              | 53300            | 1 1 2                                                                                                                                                                                      |                              |               |
| 8.0             | 119.38 | 5645             | 0.82              | 53200            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.6             | 146.23 | 6461             | 0.86              | 53100            | 1 4 0                                                                                                                                                                                      |                              |               |
| 22              | 43.65  | 2160             | 3.76              | 85776            | C 1 0 2 1 4 5 . _ M _ _ _ 5 . 5 C - -                                                                                                                                                      | 333                          | 132M          |
| 20              | 48.51  | 2395             | 3.47              | 86058            | 5 0 .                                                                                                                                                                                      |                              |               |
| 14              | 69.18  | 3366             | 2.56              | 87340            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 79.71  | 3876             | 2.25              | 87400            | 8 0 .                                                                                                                                                                                      |                              |               |
| 11              | 91.32  | 4246             | 1.81              | 87357            | 9 0 .                                                                                                                                                                                      |                              |               |
| 9.5             | 101.47 | 4697             | 1.67              | 87315            | 1 0 0                                                                                                                                                                                      |                              |               |
| 8.9             | 107.80 | 5172             | 1.68              | 87400            | 1 1 2                                                                                                                                                                                      |                              |               |
| 8.3             | 115.82 | 5542             | 1.43              | 87400            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.6             | 144.71 | 6601             | 1.26              | 87266            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.8             | 166.73 | 7558             | 1.13              | 87200            | 1 6 0                                                                                                                                                                                      |                              |               |
| 4.3             | 225.50 | 10054            | 0.88              | 87100            | 2 1 2                                                                                                                                                                                      |                              |               |
| 4.0             | 242.27 | 10756            | 0.82              | 87100            | 2 5 0                                                                                                                                                                                      |                              |               |
| 6.0             | 160.55 | 7408             | 1.14              | 87299            | C 1 0 4 1 1 6 0 _ M _ _ _ 5 . 5 C - -                                                                                                                                                      | 382                          | 132M          |
| 5.4             | 178.41 | 8196             | 1.01              | 87375            | 1 8 0                                                                                                                                                                                      |                              |               |
| 4.3             | 222.38 | 10256            | 0.83              | 87299            | 2 1 2                                                                                                                                                                                      |                              |               |
| 176             | 8.23   | 367              | 1.01              | 11700            | C 0 6 2 1 8 . 0 _ M _ _ _ 7 . 5 A - -                                                                                                                                                      | 86                           | 132M          |
| 125             | 11.57  | 513              | 0.83              | 11600            | 1 1 .                                                                                                                                                                                      |                              |               |
| 183             | 7.90   | 360              | 1.71              | 21957            | C 0 7 2 1 8 . 0 _ M _ _ _ 7 . 5 A - -                                                                                                                                                      | 130                          | 132M          |
| 132             | 10.94  | 497              | 1.47              | 23273            | 1 1 .                                                                                                                                                                                      |                              |               |
| 118             | 12.29  | 561              | 1.37              | 23732            | 1 2 .                                                                                                                                                                                      |                              |               |
| 107             | 13.52  | 614              | 1.30              | 24252            | 1 4 .                                                                                                                                                                                      |                              |               |
| 91              | 15.80  | 689              | 1.04              | 25632            | 1 6 .                                                                                                                                                                                      |                              |               |
| 82              | 17.66  | 797              | 1.10              | 25550            | 1 8 .                                                                                                                                                                                      |                              |               |
| 72              | 20.07  | 904              | 1.02              | 26100            | 2 0 .                                                                                                                                                                                      |                              |               |
| 66              | 21.89  | 949              | 0.82              | 27200            | 2 2 .                                                                                                                                                                                      |                              |               |
| 186             | 7.77   | 355              | 3.20              | 28647            | C 0 8 2 1 8 . 0 _ M _ _ _ 7 . 5 A - -                                                                                                                                                      | 173                          | 132M          |
| 131             | 11.01  | 504              | 2.62              | 30675            | 1 1 .                                                                                                                                                                                      |                              |               |
| 118             | 12.24  | 561              | 2.46              | 31350            | 1 2 .                                                                                                                                                                                      |                              |               |
| 106             | 13.61  | 622              | 2.30              | 32243            | 1 4 .                                                                                                                                                                                      |                              |               |
| 93              | 15.54  | 688              | 2.02              | 33809            | 1 6 .                                                                                                                                                                                      |                              |               |
| 82              | 17.60  | 803              | 1.97              | 34229            | 1 8 .                                                                                                                                                                                      |                              |               |
| 73              | 19.76  | 899              | 1.83              | 35239            | 2 0 .                                                                                                                                                                                      |                              |               |
| 66              | 22.03  | 966              | 1.63              | 36429            | 2 2 .                                                                                                                                                                                      |                              |               |
| 59              | 24.47  | 1070             | 1.54              | 36922            | 2 5 .                                                                                                                                                                                      |                              |               |
| 53              | 27.22  | 1184             | 1.44              | 37370            | 2 8 .                                                                                                                                                                                      |                              |               |
| 45              | 31.78  | 1424             | 1.37              | 37565            | 3 2 .                                                                                                                                                                                      |                              |               |
| 41              | 35.20  | 1525             | 1.18              | 39250            | 3 6 .                                                                                                                                                                                      |                              |               |
| 37              | 39.51  | 1701             | 1.08              | 39671            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 43.64  | 1937             | 1.12              | 38375            | 4 5 .                                                                                                                                                                                      |                              |               |
| 29              | 49.26  | 2173             | 1.04              | 40800            | 5 0 .                                                                                                                                                                                      |                              |               |
| 26              | 54.60  | 2322             | 0.84              | 41800            | 5 6 .                                                                                                                                                                                      |                              |               |
| 21              | 69.64  | 3032             | 0.82              | 41600            | 7 1 .                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**7.5 kW**

4 POLE

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 32              | 44.55  | 1995             | 2.02              | 53652            | C 0 9 2 1 4 5 . _ M _ - _ _ 7 . 5 A - -                                                                                                                                                    | 236                          | 132M          |
| 29              | 49.49  | 2214             | 1.85              | 53616            | 5 0 .                                                                                                                                                                                      |                              |               |
| 21              | 69.91  | 3082             | 1.38              | 53541            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 77.18  | 3402             | 1.26              | 53476            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 93.18  | 3891             | 1.21              | 53412            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 103.53 | 4304             | 1.13              | 53347            | C 0 9 2 1 1 0 0 _ M _ - _ _ 7 . 5 A - -                                                                                                                                                    | 236                          | 132M          |
| 14              | 106.17 | 4628             | 0.96              | 53400            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 119.38 | 5174             | 0.87              | 53300            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 146.23 | 5959             | 0.89              | 53200            | 1 4 0                                                                                                                                                                                      |                              |               |
| 9.0             | 161.44 | 6557             | 0.83              | 53100            | 1 6 0                                                                                                                                                                                      |                              |               |
| 33              | 43.65  | 1975             | 3.61              | 82939            | C 1 0 2 1 4 5 . _ M _ - _ _ 7 . 5 A - -                                                                                                                                                    | 333                          | 132M          |
| 30              | 48.51  | 2188             | 3.32              | 83701            | 5 0 .                                                                                                                                                                                      |                              |               |
| 21              | 69.18  | 3087             | 2.46              | 84696            | 7 1 .                                                                                                                                                                                      |                              |               |
| 18              | 79.71  | 3541             | 2.17              | 85806            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 91.32  | 3911             | 1.82              | 87400            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 101.47 | 4324             | 1.67              | 87358            | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 107.80 | 4751             | 1.82              | 87400            | 1 1 2                                                                                                                                                                                      |                              |               |
| 12              | 115.82 | 5089             | 1.57              | 87400            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 144.71 | 6070             | 1.28              | 87279            | 1 4 0                                                                                                                                                                                      |                              |               |
| 8.7             | 166.73 | 6949             | 1.15              | 87219            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.4             | 225.50 | 9263             | 0.90              | 87200            | 2 1 2                                                                                                                                                                                      |                              |               |
| 6.0             | 242.27 | 9913             | 0.85              | 87200            | 2 5 0                                                                                                                                                                                      |                              |               |
| 9.0             | 160.55 | 6696             | 1.27              | 87299            | C 1 0 4 1 1 6 0 _ M _ - _ _ 7 . 5 A -                                                                                                                                                      | -382                         | 132M          |
| 8.1             | 178.41 | 7404             | 1.12              | 87375            | 1 8 0                                                                                                                                                                                      |                              |               |
| 6.5             | 222.38 | 9272             | 0.91              | 87299            | 2 1 2                                                                                                                                                                                      |                              |               |
| 5.8             | 247.12 | 10254            | 0.81              | 87375            | 2 5 0                                                                                                                                                                                      |                              |               |

**7.5 kW**

6 POLE

|     |        |      |      |       |                                         |     |      |
|-----|--------|------|------|-------|-----------------------------------------|-----|------|
| 122 | 7.90   | 540  | 1.14 | 23015 | C 0 7 2 1 8 . 0 _ M _ - _ _ 7 . 5 C - - | 159 | 160M |
| 88  | 10.94  | 746  | 1.14 | 24521 | 1 1 .                                   |     |      |
| 78  | 12.29  | 836  | 1.07 | 25100 | 1 2 .                                   |     |      |
| 71  | 13.52  | 918  | 1.01 | 25500 | 1 4 .                                   |     |      |
| 54  | 17.66  | 1191 | 0.86 | 26700 | 1 8 .                                   |     |      |
| 124 | 7.77   | 534  | 2.32 | 30421 | C 0 8 2 1 8 . 0 _ M _ - _ _ 7 . 5 C - - | 202 | 160M |
| 87  | 11.01  | 759  | 2.04 | 32526 | 1 1 .                                   |     |      |
| 78  | 12.24  | 838  | 1.92 | 33336 | 1 2 .                                   |     |      |
| 71  | 13.61  | 927  | 1.80 | 34184 | 1 4 .                                   |     |      |
| 62  | 15.54  | 1029 | 1.57 | 36073 | 1 6 .                                   |     |      |
| 55  | 17.60  | 1193 | 1.53 | 36200 | 1 8 .                                   |     |      |
| 49  | 19.76  | 1338 | 1.43 | 37121 | 2 0 .                                   |     |      |
| 44  | 22.03  | 1446 | 1.23 | 38868 | 2 2 .                                   |     |      |
| 39  | 24.47  | 1600 | 1.14 | 39310 | 2 5 .                                   |     |      |
| 35  | 27.22  | 1770 | 1.05 | 41000 | 2 8 .                                   |     |      |
| 30  | 31.78  | 2114 | 1.05 | 40600 | 3 2 .                                   |     |      |
| 27  | 35.20  | 2260 | 0.86 | 41800 | 3 6 .                                   |     |      |
| 22  | 43.64  | 2887 | 0.85 | 41700 | 4 5 .                                   |     |      |
| 87  | 10.98  | 760  | 3.73 | 51500 | C 0 9 2 1 1 1 . _ M _ - _ _ 7 . 5 C - - | 265 | 160M |
| 78  | 12.30  | 850  | 3.49 | 52800 | 1 2 .                                   |     |      |
| 70  | 13.81  | 952  | 3.25 | 53800 | 1 4 .                                   |     |      |
| 58  | 16.68  | 1108 | 2.73 | 53800 | 1 6 .                                   |     |      |
| 54  | 17.79  | 1220 | 2.79 | 53800 | 1 8 .                                   |     |      |
| 48  | 19.88  | 1357 | 2.60 | 53800 | 2 0 .                                   |     |      |
| 42  | 22.96  | 1513 | 2.25 | 53800 | 2 2 .                                   |     |      |
| 37  | 25.73  | 1685 | 2.11 | 53800 | 2 5 .                                   |     |      |
| 33  | 28.89  | 1887 | 1.96 | 53800 | 2 8 .                                   |     |      |
| 31  | 31.43  | 2119 | 1.92 | 53800 | 3 2 .                                   |     |      |
| 26  | 37.22  | 2398 | 1.68 | 53800 | 3 6 .                                   |     |      |
| 23  | 41.59  | 2679 | 1.56 | 53700 | 4 0 .                                   |     |      |
| 22  | 44.55  | 2971 | 1.43 | 53602 | 4 5 .                                   |     |      |
| 19  | 49.49  | 3300 | 1.30 | 53536 | 5 0 .                                   |     |      |
| 17  | 57.66  | 3647 | 1.27 | 53600 | 5 6 .                                   |     |      |
| 15  | 65.74  | 4129 | 1.16 | 53500 | 6 3 .                                   |     |      |
| 14  | 69.91  | 4599 | 0.97 | 53400 | 7 1 .                                   |     |      |
| 12  | 77.18  | 5067 | 0.88 | 53300 | 8 0 .                                   |     |      |
| 10  | 93.18  | 5745 | 0.91 | 53200 | 9 0 .                                   |     |      |
| 9.3 | 103.53 | 6354 | 0.85 | 53100 | 1 0 0                                   |     |      |
| 41  | 23.23  | 1554 | 3.84 | 79500 | C 1 0 2 1 2 2 . _ M _ - _ _ 7 . 5 C - - | 362 | 160M |
| 38  | 25.27  | 1682 | 3.61 | 81400 | 2 5 .                                   |     |      |
| 33  | 28.70  | 1902 | 3.28 | 84200 | 2 8 .                                   |     |      |
| 30  | 31.85  | 2167 | 3.40 | 85000 | 3 2 .                                   |     |      |
| 26  | 37.38  | 2463 | 2.67 | 87400 | 3 6 .                                   |     |      |
| 24  | 40.36  | 2642 | 2.52 | 87400 | 4 0 .                                   |     |      |
| 22  | 43.65  | 2945 | 2.76 | 84964 | 4 5 .                                   |     |      |
| 20  | 48.51  | 3267 | 2.55 | 85388 | 5 0 .                                   |     |      |
| 16  | 58.85  | 3798 | 1.87 | 87400 | 5 6 .                                   |     |      |
| 14  | 66.62  | 4303 | 1.68 | 87400 | 6 3 .                                   |     |      |
| 14  | 69.18  | 4590 | 1.88 | 87311 | 7 1 .                                   |     |      |
| 12  | 79.71  | 5286 | 1.65 | 87400 | 8 0 .                                   |     |      |
| 11  | 91.32  | 5790 | 1.33 | 87336 | 9 0 .                                   |     |      |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**7.5 kW**

6 POLE

**11.0 kW**

4 POLE

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 9.5             | 101.47 | 6405             | 1.22              | 87273            | C 1 0 2 1 1 0 0 _ M _ - _ _ 7 . 5 C - -                                                                                                                                                    | 362                          | 160M          |
| 8.9             | 107.80 | 7054             | 1.23              | 87400            | 1 1 2                                                                                                                                                                                      |                              |               |
| 8.3             | 115.82 | 7557             | 1.05              | 87400            | 1 2 5                                                                                                                                                                                      |                              |               |
| 6.6             | 144.71 | 9002             | 0.93              | 87200            | 1 4 0                                                                                                                                                                                      |                              |               |
| 5.8             | 166.73 | 10306            | 0.83              | 87100            | 1 6 0                                                                                                                                                                                      |                              |               |
| 6.0             | 160.55 | 10103            | 0.84              | 87299            | C 1 0 4 1 1 6 0 _ M _ - _ _ 7 . 5 C - -                                                                                                                                                    | 411                          | 160M          |
| 184             | 7.90   | 526              | 1.17              | 21137            | C 0 7 2 1 8 . 0 _ M _ - _ _ 1 1 . A - -                                                                                                                                                    | 159                          | 160M          |
| 132             | 10.94  | 727              | 1.01              | 22200            | 1 1 .                                                                                                                                                                                      |                              |               |
| 118             | 12.29  | 820              | 0.94              | 22500            | 1 2 .                                                                                                                                                                                      |                              |               |
| 107             | 13.52  | 898              | 0.89              | 22900            | 1 4 .                                                                                                                                                                                      |                              |               |
| 187             | 7.77   | 520              | 2.19              | 28018            | C 0 8 2 1 8 . 0 _ M _ - _ _ 1 1 . A - -                                                                                                                                                    | 202                          | 160M          |
| 132             | 11.01  | 737              | 1.79              | 29800            | 1 1 .                                                                                                                                                                                      |                              |               |
| 119             | 12.24  | 820              | 1.68              | 30393            | 1 2 .                                                                                                                                                                                      |                              |               |
| 107             | 13.61  | 909              | 1.57              | 31150            | 1 4 .                                                                                                                                                                                      |                              |               |
| 93              | 15.54  | 1005             | 1.38              | 32825            | 1 6 .                                                                                                                                                                                      |                              |               |
| 82              | 17.60  | 1174             | 1.35              | 32862            | 1 8 .                                                                                                                                                                                      |                              |               |
| 73              | 19.76  | 1315             | 1.25              | 33681            | 2 0 .                                                                                                                                                                                      |                              |               |
| 66              | 22.03  | 1413             | 1.12              | 35062            | 2 2 .                                                                                                                                                                                      |                              |               |
| 59              | 24.47  | 1564             | 1.05              | 35418            | 2 5 .                                                                                                                                                                                      |                              |               |
| 53              | 27.22  | 1731             | 0.98              | 35700            | 2 8 .                                                                                                                                                                                      |                              |               |
| 46              | 31.78  | 2082             | 0.94              | 35100            | 3 2 .                                                                                                                                                                                      |                              |               |
| 41              | 35.20  | 2229             | 0.81              | 37500            | 3 6 .                                                                                                                                                                                      |                              |               |
| 182             | 7.97   | 539              | 3.93              | 44500            | C 0 9 2 1 8 . 0 _ M _ - _ _ 1 1 . A - -                                                                                                                                                    | 265                          | 160M          |
| 132             | 10.98  | 741              | 3.26              | 47600            | 1 1 .                                                                                                                                                                                      |                              |               |
| 118             | 12.30  | 831              | 3.05              | 48700            | 1 2 .                                                                                                                                                                                      |                              |               |
| 105             | 13.81  | 928              | 2.85              | 50100            | 1 4 .                                                                                                                                                                                      |                              |               |
| 87              | 16.68  | 1075             | 2.40              | 53100            | 1 6 .                                                                                                                                                                                      |                              |               |
| 81              | 17.79  | 1194             | 2.45              | 53300            | 1 8 .                                                                                                                                                                                      |                              |               |
| 73              | 19.88  | 1326             | 2.29              | 53800            | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 22.96  | 1473             | 1.98              | 53800            | 2 2 .                                                                                                                                                                                      |                              |               |
| 56              | 25.73  | 1652             | 1.85              | 53800            | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.89  | 1841             | 1.73              | 53800            | 2 8 .                                                                                                                                                                                      |                              |               |
| 46              | 31.43  | 2078             | 1.73              | 53800            | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 37.22  | 2355             | 1.48              | 53800            | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 41.59  | 2634             | 1.38              | 53700            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 44.55  | 2916             | 1.38              | 53572            | 4 5 .                                                                                                                                                                                      |                              |               |
| 29              | 49.49  | 3236             | 1.26              | 53515            | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 57.66  | 3601             | 1.13              | 53600            | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 65.74  | 4091             | 1.04              | 53500            | 6 3 .                                                                                                                                                                                      |                              |               |
| 21              | 69.91  | 4505             | 0.95              | 53400            | 7 1 .                                                                                                                                                                                      |                              |               |
| 19              | 77.18  | 4973             | 0.86              | 53300            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 93.18  | 5687             | 0.83              | 53200            | 9 0 .                                                                                                                                                                                      |                              |               |
| 62              | 23.23  | 1520             | 3.55              | 73000            | C 1 0 2 1 2 2 . _ M _ - _ _ 1 1 . A - -                                                                                                                                                    | 362                          | 160M          |
| 57              | 25.27  | 1651             | 3.35              | 74000            | 2 5 .                                                                                                                                                                                      |                              |               |
| 51              | 28.70  | 1869             | 3.05              | 75400            | 2 8 .                                                                                                                                                                                      |                              |               |
| 46              | 31.85  | 2126             | 3.01              | 75100            | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 37.38  | 2424             | 2.50              | 79400            | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 40.36  | 2601             | 2.36              | 81000            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 43.65  | 2887             | 2.47              | 80522            | 4 5 .                                                                                                                                                                                      |                              |               |
| 30              | 48.51  | 3198             | 2.27              | 81258            | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 58.85  | 3753             | 1.76              | 87400            | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 66.62  | 4231             | 1.60              | 87400            | 6 3 .                                                                                                                                                                                      |                              |               |
| 21              | 69.18  | 4512             | 1.68              | 82911            | 7 1 .                                                                                                                                                                                      |                              |               |
| 18              | 79.71  | 5176             | 1.48              | 84754            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 91.32  | 5716             | 1.25              | 87400            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 101.47 | 6320             | 1.15              | 87331            | 1 0 0                                                                                                                                                                                      |                              |               |
| 13              | 107.80 | 6945             | 1.25              | 87400            | 1 1 2                                                                                                                                                                                      |                              |               |
| 13              | 115.82 | 7438             | 1.07              | 87400            | 1 2 5                                                                                                                                                                                      |                              |               |
| 10              | 144.71 | 8873             | 0.87              | 87200            | 1 4 0                                                                                                                                                                                      |                              |               |
| 9.0             | 160.55 | 9787             | 0.87              | 87299            | C 1 0 4 1 1 6 0 _ M _ - _ _ 1 1 . A - -                                                                                                                                                    | 411                          | 160M          |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

## GEARED MOTORS

**11.0 kW**

6 POLE

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 124             | 7.77   | 779              | 1.59              | 29500            | C 0 8 2 1 8 . 0 _ M _ _ _ 1 1 . C -                                                                                                                                                        | 216                          | 160L          |
| 88              | 11.01  | 1108             | 1.40              | 31200            | 1 1 .                                                                                                                                                                                      |                              |               |
| 79              | 12.24  | 1223             | 1.32              | 31900            | 1 2 .                                                                                                                                                                                      |                              |               |
| 71              | 13.61  | 1353             | 1.23              | 32600            | C 0 8 2 1 4 . _ M _ _ _ 1 1 . C -                                                                                                                                                          | 216                          | 160L          |
| 62              | 15.54  | 1502             | 1.08              | 34600            | 1 6 .                                                                                                                                                                                      |                              |               |
| 55              | 17.60  | 1741             | 1.05              | 34100            | 1 8 .                                                                                                                                                                                      |                              |               |
| 49              | 19.76  | 1953             | 0.98              | 34800            | 2 0 .                                                                                                                                                                                      |                              |               |
| 44              | 22.03  | 2110             | 0.84              | 37100            | 2 2 .                                                                                                                                                                                      |                              |               |
| 121             | 7.97   | 807              | 3.11              | 47360            | C 0 9 2 1 8 . 0 _ M _ _ _ 1 1 . C -                                                                                                                                                        | 279                          | 160L          |
| 88              | 10.98  | 1109             | 2.56              | 50348            | 1 1 .                                                                                                                                                                                      |                              |               |
| 78              | 12.30  | 1240             | 2.39              | 51508            | 1 2 .                                                                                                                                                                                      |                              |               |
| 70              | 13.81  | 1390             | 2.23              | 52446            | 1 4 .                                                                                                                                                                                      |                              |               |
| 58              | 16.68  | 1617             | 1.87              | 53510            | 1 6 .                                                                                                                                                                                      |                              |               |
| 54              | 17.79  | 1780             | 1.91              | 52931            | 1 8 .                                                                                                                                                                                      |                              |               |
| 49              | 19.88  | 1980             | 1.78              | 53124            | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 22.96  | 2208             | 1.54              | 53703            | 2 2 .                                                                                                                                                                                      |                              |               |
| 37              | 25.73  | 2458             | 1.44              | 53704            | 2 5 .                                                                                                                                                                                      |                              |               |
| 33              | 28.89  | 2754             | 1.34              | 53672            | 2 8 .                                                                                                                                                                                      |                              |               |
| 31              | 31.43  | 3092             | 1.32              | 53640            | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 37.22  | 3500             | 1.15              | 53613            | 3 6 .                                                                                                                                                                                      |                              |               |
| 23              | 41.59  | 3909             | 1.07              | 53513            | 4 0 .                                                                                                                                                                                      |                              |               |
| 22              | 44.55  | 4336             | 0.98              | 53500            | 4 5 .                                                                                                                                                                                      |                              |               |
| 19              | 49.49  | 4814             | 0.89              | 53400            | 5 0 .                                                                                                                                                                                      |                              |               |
| 17              | 57.66  | 5321             | 0.87              | 53300            | 5 6 .                                                                                                                                                                                      |                              |               |
| 70              | 13.72  | 1391             | 3.94              | 67833            | C 1 0 2 1 4 . _ M _ _ _ 1 1 . C -                                                                                                                                                          | 376                          | 160L          |
| 58              | 16.63  | 1635             | 3.38              | 71873            | 1 6 .                                                                                                                                                                                      |                              |               |
| 54              | 17.87  | 1802             | 3.34              | 72391            | 1 8 .                                                                                                                                                                                      |                              |               |
| 50              | 19.29  | 1944             | 3.19              | 74166            | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 23.23  | 2268             | 2.63              | 78084            | 2 2 .                                                                                                                                                                                      |                              |               |
| 38              | 25.27  | 2455             | 2.48              | 79860            | 2 5 .                                                                                                                                                                                      |                              |               |
| 34              | 28.70  | 2775             | 2.25              | 82457            | 2 8 .                                                                                                                                                                                      |                              |               |
| 30              | 31.85  | 3162             | 2.33              | 82340            | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 37.38  | 3594             | 1.83              | 85855            | 3 6 .                                                                                                                                                                                      |                              |               |
| 24              | 40.36  | 3856             | 1.73              | 86144            | 4 0 .                                                                                                                                                                                      |                              |               |
| 22              | 43.65  | 4297             | 1.89              | 83544            | 4 5 .                                                                                                                                                                                      |                              |               |
| 20              | 48.51  | 4766             | 1.75              | 84214            | 5 0 .                                                                                                                                                                                      |                              |               |
| 16              | 58.85  | 5541             | 1.28              | 87336            | 5 6 .                                                                                                                                                                                      |                              |               |
| 14              | 66.62  | 6279             | 1.15              | 87353            | 6 3 .                                                                                                                                                                                      |                              |               |
| 14              | 69.18  | 6697             | 1.29              | 87259            | 7 1 .                                                                                                                                                                                      |                              |               |
| 12              | 79.71  | 7713             | 1.13              | 87400            | 8 0 .                                                                                                                                                                                      |                              |               |
| 11              | 91.32  | 8448             | 0.91              | 87300            | 9 0 .                                                                                                                                                                                      |                              |               |
| 10              | 101.47 | 9345             | 0.84              | 87200            | 1 0 0                                                                                                                                                                                      |                              |               |
| 184             | 7.90   | 716              | 0.86              | 20200            | C 0 7 2 1 8 . 0 _ M _ _ _ 1 5 . A -                                                                                                                                                        | 173                          | 160L          |
| 187             | 7.77   | 707              | 1.61              | 27300            | C 0 8 2 1 8 . 0 _ M _ _ _ 1 5 . A -                                                                                                                                                        | 216                          | 160L          |
| 132             | 11.01  | 1001             | 1.32              | 28800            | 1 1 .                                                                                                                                                                                      |                              |               |
| 119             | 12.24  | 1115             | 1.24              | 29300            | 1 2 .                                                                                                                                                                                      |                              |               |
| 107             | 13.61  | 1235             | 1.16              | 29900            | 1 4 .                                                                                                                                                                                      |                              |               |
| 94              | 15.54  | 1366             | 1.02              | 31700            | 1 6 .                                                                                                                                                                                      |                              |               |
| 83              | 17.60  | 1595             | 0.99              | 31300            | 1 8 .                                                                                                                                                                                      |                              |               |
| 74              | 19.76  | 1787             | 0.92              | 31900            | 2 0 .                                                                                                                                                                                      |                              |               |
| 66              | 22.03  | 1920             | 0.82              | 33500            | 2 2 .                                                                                                                                                                                      |                              |               |
| 182             | 7.97   | 733              | 2.89              | 43852            | C 0 9 2 1 8 . 0 _ M _ _ _ 1 5 . A -                                                                                                                                                        | 279                          | 160L          |
| 133             | 10.98  | 1007             | 2.4               | 46717            | 1 1 .                                                                                                                                                                                      |                              |               |
| 118             | 12.30  | 1130             | 2.25              | 47715            | 1 2 .                                                                                                                                                                                      |                              |               |
| 105             | 13.81  | 1261             | 2.1               | 49007            | 1 4 .                                                                                                                                                                                      |                              |               |
| 87              | 16.68  | 1460             | 1.77              | 52131            | 1 6 .                                                                                                                                                                                      |                              |               |
| 82              | 17.79  | 1622             | 1.8               | 51889            | 1 8 .                                                                                                                                                                                      |                              |               |
| 73              | 19.88  | 1803             | 1.69              | 52636            | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 22.96  | 2002             | 1.46              | 53727            | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 25.73  | 2245             | 1.36              | 53727            | 2 5 .                                                                                                                                                                                      |                              |               |
| 50              | 28.89  | 2501             | 1.27              | 53727            | 2 8 .                                                                                                                                                                                      |                              |               |
| 46              | 31.43  | 2824             | 1.27              | 53586            | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 37.22  | 3200             | 1.09              | 53640            | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 41.59  | 3579             | 1.02              | 53540            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 44.55  | 3963             | 1.02              | 53480            | 4 5 .                                                                                                                                                                                      |                              |               |
| 29              | 49.49  | 4398             | 0.93              | 53400            | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 57.66  | 4894             | 0.83              | 53400            | 5 6 .                                                                                                                                                                                      |                              |               |
| 120             | 12.08  | 1116             | 3.99              | 60823            | C 1 0 2 1 1 2 . _ M _ _ _ 1 5 . A -                                                                                                                                                        | 376                          | 160L          |
| 106             | 13.72  | 1265             | 3.7               | 62817            | 1 4 .                                                                                                                                                                                      |                              |               |
| 87              | 16.63  | 1482             | 3.19              | 66523            | 1 6 .                                                                                                                                                                                      |                              |               |
| 81              | 17.87  | 1640             | 3.16              | 67047            | 1 8 .                                                                                                                                                                                      |                              |               |
| 75              | 19.29  | 1766             | 3.02              | 68664            | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 23.23  | 2065             | 2.61              | 71917            | 2 2 .                                                                                                                                                                                      |                              |               |
| 58              | 25.27  | 2244             | 2.47              | 72823            | 2 5 .                                                                                                                                                                                      |                              |               |
| 51              | 28.70  | 2540             | 2.25              | 74061            | 2 8 .                                                                                                                                                                                      |                              |               |
| 46              | 31.85  | 2890             | 2.21              | 73069            | 3 2 .                                                                                                                                                                                      |                              |               |

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**15.0 kW**

4 POLE

**15.0 kW**

6 POLE

**18.5 kW**

4 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i      | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|--------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio  | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 39              | 37.38  | 3294             | 1.84              | 77673            | C 1 0 2 1 3 6 . _ M _ - _ _ 1 5 . A - -                                                                                                                                                    | 376                          | 160L          |
| 36              | 40.36  | 3535             | 1.74              | 79147            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 43.65  | 3923             | 1.82              | 77759            | 4 5 .                                                                                                                                                                                      |                              |               |
| 30              | 48.51  | 4347             | 1.67              | 78467            | 5 0 .                                                                                                                                                                                      |                              |               |
| 25              | 58.85  | 5100             | 1.30              | 85327            | 5 6 .                                                                                                                                                                                      |                              |               |
| 22              | 66.62  | 5750             | 1.18              | 85945            | 6 3 .                                                                                                                                                                                      |                              |               |
| 21              | 69.18  | 6132             | 1.24              | 80870            | 7 1 .                                                                                                                                                                                      |                              |               |
| 18              | 79.71  | 7034             | 1.09              | 83552            | 8 0 .                                                                                                                                                                                      |                              |               |
| 16              | 91.32  | 7768             | 0.92              | 87400            | 9 0 .                                                                                                                                                                                      |                              |               |
| 14              | 101.47 | 8589             | 0.84              | 87300            | 1 0 0                                                                                                                                                                                      |                              |               |
| 122             | 7.97   | 1095             | 2.29              | 46400            | C 0 9 2 1 8 . 0 _ M _ - _ _ 1 5 . C - -                                                                                                                                                    | 365                          | 180L          |
| 88              | 10.98  | 1505             | 1.89              | 49033            | 1 1 .                                                                                                                                                                                      |                              |               |
| 79              | 12.30  | 1682             | 1.76              | 50033            | 1 2 .                                                                                                                                                                                      |                              |               |
| 70              | 13.81  | 1886             | 1.64              | 50900            | 1 4 .                                                                                                                                                                                      |                              |               |
| 58              | 16.68  | 2194             | 1.38              | 53179            | 1 6 .                                                                                                                                                                                      |                              |               |
| 55              | 17.79  | 2415             | 1.41              | 51937            | 1 8 .                                                                                                                                                                                      |                              |               |
| 49              | 19.88  | 2687             | 1.31              | 52351            | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 22.96  | 2995             | 1.14              | 53593            | 2 2 .                                                                                                                                                                                      |                              |               |
| 38              | 25.73  | 3335             | 1.06              | 53595            | 2 5 .                                                                                                                                                                                      |                              |               |
| 34              | 28.89  | 3736             | 0.99              | 53527            | 2 8 .                                                                                                                                                                                      |                              |               |
| 31              | 31.43  | 4195             | 0.97              | 53459            | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 37.22  | 4748             | 0.85              | 53400            | 3 6 .                                                                                                                                                                                      |                              |               |
| 122             | 7.95   | 1100             | 3.49              | 59266            | C 1 0 2 1 8 . 0 _ M _ - _ _ 1 5 . C - -                                                                                                                                                    | 462                          | 180L          |
| 87              | 11.11  | 1533             | 3.30              | 63366            | 1 1 .                                                                                                                                                                                      |                              |               |
| 80              | 12.08  | 1666             | 3.13              | 64500            | 1 2 .                                                                                                                                                                                      |                              |               |
| 71              | 13.72  | 1887             | 2.90              | 66500            | 1 4 .                                                                                                                                                                                      |                              |               |
| 58              | 16.63  | 2218             | 2.49              | 70700            | 1 6 .                                                                                                                                                                                      |                              |               |
| 54              | 17.87  | 2445             | 2.47              | 70666            | 1 8 .                                                                                                                                                                                      |                              |               |
| 50              | 19.29  | 2637             | 2.35              | 72300            | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 23.23  | 3077             | 1.94              | 76466            | 2 2 .                                                                                                                                                                                      |                              |               |
| 38              | 25.27  | 3330             | 1.83              | 78100            | 2 5 .                                                                                                                                                                                      |                              |               |
| 34              | 28.70  | 3765             | 1.66              | 80466            | 2 8 .                                                                                                                                                                                      |                              |               |
| 30              | 31.85  | 4290             | 1.72              | 79300            | 3 2 .                                                                                                                                                                                      |                              |               |
| 26              | 37.38  | 4876             | 1.35              | 84089            | 3 6 .                                                                                                                                                                                      |                              |               |
| 24              | 40.36  | 5231             | 1.27              | 84710            | 4 0 .                                                                                                                                                                                      |                              |               |
| 22              | 43.65  | 5830             | 1.39              | 81920            | 4 5 .                                                                                                                                                                                      |                              |               |
| 20              | 48.51  | 6466             | 1.29              | 82873            | 5 0 .                                                                                                                                                                                      |                              |               |
| 16              | 58.85  | 7518             | 0.94              | 87263            | 5 6 .                                                                                                                                                                                      |                              |               |
| 15              | 66.62  | 8518             | 0.85              | 87300            | 6 3 .                                                                                                                                                                                      |                              |               |
| 14              | 69.18  | 9086             | 0.95              | 87200            | 7 1 .                                                                                                                                                                                      |                              |               |
| 184             | 7.97   | 895              | 2.37              | 43286            | C 0 9 2 1 8 . 0 _ M _ - _ _ 1 8 . A - -                                                                                                                                                    | 351                          | 180M          |
| 134             | 10.98  | 1230             | 1.97              | 45945            | 1 1 .                                                                                                                                                                                      |                              |               |
| 119             | 12.30  | 1379             | 1.84              | 46853            | 1 2 .                                                                                                                                                                                      |                              |               |
| 106             | 13.81  | 1540             | 1.72              | 48051            | 1 4 .                                                                                                                                                                                      |                              |               |
| 88              | 16.68  | 1783             | 1.45              | 51284            | 1 6 .                                                                                                                                                                                      |                              |               |
| 83              | 17.79  | 1980             | 1.47              | 50655            | 1 8 .                                                                                                                                                                                      |                              |               |
| 74              | 19.88  | 2201             | 1.38              | 51618            | 2 0 .                                                                                                                                                                                      |                              |               |
| 64              | 22.96  | 2444             | 1.19              | 53663            | 2 2 .                                                                                                                                                                                      |                              |               |
| 57              | 25.73  | 2741             | 1.11              | 53663            | 2 5 .                                                                                                                                                                                      |                              |               |
| 51              | 28.89  | 3054             | 1.04              | 53663            | 2 8 .                                                                                                                                                                                      |                              |               |
| 47              | 31.43  | 3447             | 1.04              | 53400            | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 37.22  | 3907             | 0.89              | 53500            | 3 6 .                                                                                                                                                                                      |                              |               |
| 35              | 41.59  | 4369             | 0.83              | 53400            | 4 0 .                                                                                                                                                                                      |                              |               |
| 33              | 44.55  | 4838             | 0.83              | 53400            | 4 5 .                                                                                                                                                                                      |                              |               |
| 132             | 11.11  | 1251             | 3.44              | 59054            | C 1 0 2 1 1 1 . _ M _ - _ _ 1 8 . A - -                                                                                                                                                    | 448                          | 180M          |
| 122             | 12.08  | 1362             | 3.27              | 60144            | 1 2 .                                                                                                                                                                                      |                              |               |
| 107             | 13.72  | 1544             | 3.03              | 62045            | 1 4 .                                                                                                                                                                                      |                              |               |
| 88              | 16.63  | 1809             | 2.61              | 65844            | 1 6 .                                                                                                                                                                                      |                              |               |
| 82              | 17.87  | 2002             | 2.59              | 66038            | 1 8 .                                                                                                                                                                                      |                              |               |
| 76              | 19.29  | 2156             | 2.47              | 67583            | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 23.23  | 2522             | 2.14              | 70970            | 2 2 .                                                                                                                                                                                      |                              |               |
| 58              | 25.27  | 2739             | 2.02              | 71794            | 2 5 .                                                                                                                                                                                      |                              |               |
| 51              | 28.70  | 3101             | 1.84              | 72890            | 2 8 .                                                                                                                                                                                      |                              |               |
| 46              | 31.85  | 3528             | 1.81              | 71292            | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 37.38  | 4021             | 1.51              | 76163            | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 40.36  | 4316             | 1.42              | 77526            | 4 0 .                                                                                                                                                                                      |                              |               |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**18.5 kW**

4 POLE

**18.5 kW**

6 POLE

**22.0 kW**

4 POLE

**22.0 kW**

6 POLE

**NOTE:**

Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM                                                                                                    | i                                                                                                                                                             | M2<br>Nm                                                                                                                                     | Fm                                                                                                                                           | N                                                                                                                                                              | Unit Designation                                                                                                                                                                                 | kg                           |               |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed                                                                                              | Ratio                                                                                                                                                         | Output<br>Torque                                                                                                                             | Service<br>Factor                                                                                                                            | Overhung<br>Load                                                                                                                                               | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order       | Weight of Base<br>Mount unit | Motor<br>Size |
| 34<br>30<br>25<br>22<br>21<br>18                                                                             | 43.65<br>48.51<br>58.85<br>66.62<br>69.18<br>79.71                                                                                                            | 4790<br>5306<br>6226<br>7019<br>7486<br>8586                                                                                                 | 1.49<br>1.37<br>1.06<br>0.96<br>1.01<br>0.89                                                                                                 | 75342<br>76025<br>83513<br>84672<br>79085<br>82500                                                                                                             | C 1 0 2 1 4 5 . _ M _ - _ _ 1 8 . A - -<br>5 0 .<br>5 6 .<br>6 3 .<br>7 1 .<br>8 0 .                                                                                                             | 448                          | 180M          |
| 122<br>89<br>79<br>71<br>58<br>55<br>49<br>42<br>38<br>34                                                    | 7.97<br>10.98<br>12.30<br>13.81<br>16.68<br>17.79<br>19.88<br>22.96<br>25.73<br>28.89                                                                         | 1344<br>1847<br>2064<br>2314<br>2692<br>2963<br>3297<br>3675<br>4092<br>4584                                                                 | 1.87<br>1.54<br>1.44<br>1.34<br>1.13<br>1.15<br>1.07<br>0.93<br>0.87<br>0.81                                                                 | 45560<br>47882<br>48742<br>49546<br>52889<br>51068<br>51675<br>53496<br>53500<br>53400                                                                         | C 0 9 2 1 8 . 0 _ M _ - _ _ 1 8 . C - -<br>1 1 .<br>1 2 .<br>1 4 .<br>1 6 .<br>1 8 .<br>2 0 .<br>2 2 .<br>2 5 .<br>2 8 .                                                                         | 423                          | 200L          |
| 123<br>88<br>81<br>71<br>59<br>55<br>51<br>42<br>39<br>34<br>31<br>26<br>24                                  | 7.95<br>11.11<br>12.08<br>13.72<br>16.63<br>17.87<br>19.29<br>23.23<br>25.27<br>28.70<br>31.85<br>37.38<br>40.36                                              | 1350<br>1881<br>2044<br>2316<br>2722<br>3001<br>3235<br>3775<br>4086<br>4620<br>5264<br>5983<br>6418                                         | 2.84<br>2.69<br>2.55<br>2.37<br>2.03<br>2.01<br>1.92<br>1.58<br>1.49<br>1.35<br>1.40<br>1.10<br>1.04                                         | 58597<br>62417<br>63473<br>65333<br>69673<br>69157<br>70666<br>75051<br>76560<br>78724<br>76640<br>82544<br>83455                                              | C 1 0 2 1 8 . 0 _ M _ - _ _ 1 8 . C - -<br>1 1 .<br>1 2 .<br>1 4 .<br>1 6 .<br>1 8 .<br>2 0 .<br>2 2 .<br>2 5 .<br>2 8 .<br>3 2 .<br>3 6 .<br>4 0 .                                              | 522                          | 200L          |
| 184<br>134<br>119<br>106<br>88<br>83<br>74<br>64<br>57<br>51                                                 | 7.97<br>10.98<br>12.30<br>13.81<br>16.68<br>17.79<br>19.88<br>22.96<br>25.73<br>28.89                                                                         | 1064<br>1462<br>1640<br>1831<br>2120<br>2355<br>2617<br>2906<br>3260<br>3632                                                                 | 1.99<br>1.65<br>1.55<br>1.45<br>1.22<br>1.24<br>1.16<br>1.00<br>0.94<br>0.88                                                                 | 42720<br>45173<br>45992<br>47096<br>50436<br>49421<br>50600<br>53600<br>53600<br>53600                                                                         | C 0 9 2 1 8 . 0 _ M _ - _ _ 2 2 . A - -<br>1 1 .<br>1 2 .<br>1 4 .<br>1 6 .<br>1 8 .<br>2 0 .<br>2 2 .<br>2 5 .<br>2 8 .                                                                         | 365                          | 180L          |
| 185<br>132<br>122<br>107<br>88<br>82<br>76<br>63<br>58<br>51<br>46<br>39<br>36<br>34<br>30<br>25<br>22<br>21 | 7.95<br>11.11<br>12.08<br>13.72<br>16.63<br>17.87<br>19.29<br>23.23<br>25.27<br>28.70<br>31.85<br>37.38<br>40.36<br>43.65<br>48.51<br>58.85<br>66.62<br>69.18 | 1066<br>1488<br>1620<br>1836<br>2151<br>2381<br>2564<br>2999<br>3258<br>3687<br>4195<br>4782<br>5133<br>5696<br>6310<br>7405<br>8347<br>8903 | 3.50<br>2.89<br>2.75<br>2.55<br>2.20<br>2.18<br>2.08<br>1.80<br>1.70<br>1.55<br>1.53<br>1.27<br>1.20<br>1.25<br>1.15<br>0.89<br>0.81<br>0.85 | 54676<br>58426<br>59464<br>61273<br>65164<br>65029<br>66502<br>70023<br>70764<br>71719<br>69515<br>74652<br>75905<br>72925<br>73582<br>81700<br>83400<br>77300 | C 1 0 2 1 8 . 0 _ M _ - _ _ 2 2 . A - -<br>1 1 .<br>1 2 .<br>1 4 .<br>1 6 .<br>1 8 .<br>2 0 .<br>2 2 .<br>2 5 .<br>2 8 .<br>3 2 .<br>3 6 .<br>4 0 .<br>4 5 .<br>5 0 .<br>5 6 .<br>6 3 .<br>7 1 . | 462                          | 180L          |
| 122<br>89<br>79<br>71<br>58<br>55<br>49                                                                      | 7.97<br>10.98<br>12.30<br>13.81<br>16.68<br>17.79<br>19.88                                                                                                    | 1599<br>2197<br>2455<br>2752<br>3201<br>3523<br>3921                                                                                         | 1.57<br>1.29<br>1.21<br>1.13<br>0.95<br>0.96<br>0.90                                                                                         | 44720<br>46731<br>47451<br>48193<br>52600<br>50200<br>51000                                                                                                    | C 0 9 2 1 8 . 0 _ M _ - _ _ 2 2 . C - -<br>1 1 .<br>1 2 .<br>1 4 .<br>1 6 .<br>1 8 .<br>2 0 .                                                                                                    | 423                          | 200L          |
| 123<br>88<br>81<br>71<br>59<br>55<br>51<br>42<br>39<br>34<br>31<br>26<br>24                                  | 7.95<br>11.11<br>12.08<br>13.72<br>16.63<br>17.87<br>19.29<br>23.23<br>25.27<br>28.70<br>31.85<br>37.38<br>40.36                                              | 1605<br>2236<br>2431<br>2754<br>3237<br>3568<br>3848<br>4490<br>4859<br>5494<br>6260<br>7115<br>7633                                         | 2.39<br>2.26<br>2.15<br>1.99<br>1.71<br>1.69<br>1.61<br>1.33<br>1.25<br>1.14<br>1.18<br>0.92<br>0.87                                         | 57928<br>61468<br>62446<br>64166<br>68646<br>67648<br>69033<br>73635<br>75020<br>76982<br>73980<br>81000<br>82200                                              | C 1 0 2 1 8 . 0 _ M _ - _ _ 2 2 . C - -<br>1 1 .<br>1 2 .<br>1 4 .<br>1 6 .<br>1 8 .<br>2 0 .<br>2 2 .<br>2 5 .<br>2 8 .<br>3 2 .<br>3 6 .<br>4 0 .                                              | 522                          | 200L          |



# SERIES C

## SELECTION TABLE

### GEARED MOTORS

**30.0 kW**

4 POLE

**30.0 kW**

6 POLE

**37.0 kW**

4 POLE

**45.0 kW**

4 POLE

**NOTE:**

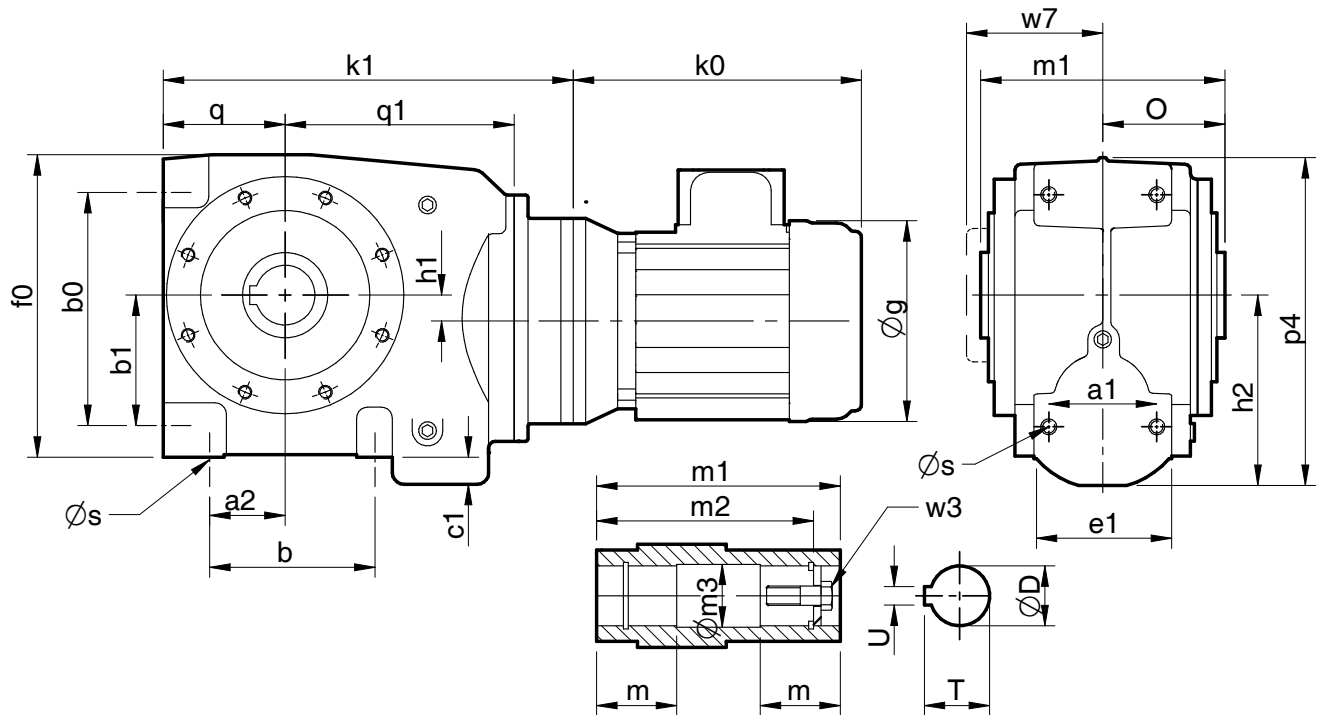
Other output speeds are available using 2 & 8 pole motors. Please contact our Application Engineers

| N2<br>RPM       | i     | M2<br>Nm         | Fm                | N                | Unit Designation                                                                                                                                                                           | kg                           |               |
|-----------------|-------|------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|
| Output<br>Speed | Ratio | Output<br>Torque | Service<br>Factor | Overhung<br>Load | Column Entry <span style="border: 1px solid black; padding: 0 2px;">1</span> - <span style="border: 1px solid black; padding: 0 2px;">20</span><br>Spaces to be filled when entering order | Weight of Base<br>Mount unit | Motor<br>Size |
| 184             | 7.97  | 1452             | 1.46              | 41426            | C 0 9 2 1 8 . 0 _ M _ - _ _ 3 0 . A -                                                                                                                                                      | 423                          | 200L          |
| 134             | 10.98 | 1994             | 1.21              | 43408            | 1 1 .                                                                                                                                                                                      |                              |               |
| 119             | 12.30 | 2237             | 1.14              | 44023            | 1 2 .                                                                                                                                                                                      |                              |               |
| 106             | 13.81 | 2497             | 1.06              | 44911            | 1 4 .                                                                                                                                                                                      |                              |               |
| 88              | 16.68 | 2891             | 0.89              | 48500            | 1 6 .                                                                                                                                                                                      |                              |               |
| 83              | 17.79 | 3212             | 0.91              | 46600            | 1 8 .                                                                                                                                                                                      |                              |               |
| 185             | 7.95  | 1454             | 2.56              | 53641            | C 1 0 2 1 8 . 0 _ M _ - _ _ 3 0 . A -                                                                                                                                                      | 522                          | 200L          |
| 132             | 11.11 | 2029             | 2.12              | 56991            | 1 1 .                                                                                                                                                                                      |                              |               |
| 122             | 12.08 | 2209             | 2.01              | 57911            | 1 2 .                                                                                                                                                                                      |                              |               |
| 107             | 13.72 | 2504             | 1.87              | 59508            | 1 4 .                                                                                                                                                                                      |                              |               |
| 88              | 16.63 | 2934             | 1.61              | 63611            | 1 6 .                                                                                                                                                                                      |                              |               |
| 82              | 17.87 | 3247             | 1.60              | 62723            | 1 8 .                                                                                                                                                                                      |                              |               |
| 76              | 19.29 | 3497             | 1.52              | 64032            | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 23.23 | 4089             | 1.32              | 67858            | 2 2 .                                                                                                                                                                                      |                              |               |
| 58              | 25.27 | 4442             | 1.25              | 68411            | 2 5 .                                                                                                                                                                                      |                              |               |
| 51              | 28.70 | 5028             | 1.14              | 69042            | 2 8 .                                                                                                                                                                                      |                              |               |
| 46              | 31.85 | 5721             | 1.12              | 65453            | 3 2 .                                                                                                                                                                                      |                              |               |
| 39              | 37.38 | 6520             | 0.93              | 71200            | 3 6 .                                                                                                                                                                                      |                              |               |
| 36              | 40.36 | 6999             | 0.88              | 72200            | 4 0 .                                                                                                                                                                                      |                              |               |
| 123             | 7.97  | 2169             | 1.16              | 42800            | C 0 9 2 1 8 . 0 _ M _ - _ _ 3 0 . C -                                                                                                                                                      | 513                          | 225M          |
| 89              | 10.98 | 2980             | 0.95              | 44100            | 1 1 .                                                                                                                                                                                      |                              |               |
| 80              | 12.30 | 3331             | 0.89              | 44500            | 1 2 .                                                                                                                                                                                      |                              |               |
| 71              | 13.81 | 3733             | 0.83              | 45100            | 1 4 .                                                                                                                                                                                      |                              |               |
| 123             | 7.95  | 2178             | 1.76              | 56400            | C 1 0 2 1 8 . 0 _ M _ - _ _ 3 0 . C -                                                                                                                                                      | 612                          | 225M          |
| 88              | 11.11 | 3034             | 1.67              | 59300            | 1 1 .                                                                                                                                                                                      |                              |               |
| 81              | 12.08 | 3299             | 1.58              | 60100            | 1 2 .                                                                                                                                                                                      |                              |               |
| 71              | 13.72 | 3736             | 1.47              | 61500            | 1 4 .                                                                                                                                                                                      |                              |               |
| 59              | 16.63 | 4392             | 1.26              | 66300            | 1 6 .                                                                                                                                                                                      |                              |               |
| 55              | 17.87 | 4841             | 1.25              | 64200            | 1 8 .                                                                                                                                                                                      |                              |               |
| 51              | 19.29 | 5220             | 1.19              | 65300            | 2 0 .                                                                                                                                                                                      |                              |               |
| 42              | 23.23 | 6091             | 0.98              | 70400            | 2 2 .                                                                                                                                                                                      |                              |               |
| 39              | 25.27 | 6593             | 0.92              | 71500            | 2 5 .                                                                                                                                                                                      |                              |               |
| 34              | 28.70 | 7454             | 0.84              | 73000            | 2 8 .                                                                                                                                                                                      |                              |               |
| 31              | 31.85 | 8493             | 0.87              | 67900            | 3 2 .                                                                                                                                                                                      |                              |               |
| 185             | 7.97  | 1784             | 1.19              | 40294            | C 0 9 2 1 8 . 0 _ M _ - _ _ 3 7 . A -                                                                                                                                                      | 478                          | 225S          |
| 134             | 10.98 | 2451             | 0.99              | 41864            | 1 1 .                                                                                                                                                                                      |                              |               |
| 120             | 12.30 | 2749             | 0.92              | 42300            | 1 2 .                                                                                                                                                                                      |                              |               |
| 107             | 13.81 | 3069             | 0.86              | 43000            | 1 4 .                                                                                                                                                                                      |                              |               |
| 186             | 7.95  | 1787             | 2.09              | 52735            | C 1 0 2 1 8 . 0 _ M _ - _ _ 3 7 . A -                                                                                                                                                      | 577                          | 225S          |
| 133             | 11.11 | 2494             | 1.72              | 55735            | 1 1 .                                                                                                                                                                                      |                              |               |
| 122             | 12.08 | 2715             | 1.64              | 56552            | 1 2 .                                                                                                                                                                                      |                              |               |
| 108             | 13.72 | 3078             | 1.52              | 57964            | 1 4 .                                                                                                                                                                                      |                              |               |
| 89              | 16.63 | 3606             | 1.31              | 62252            | 1 6 .                                                                                                                                                                                      |                              |               |
| 83              | 17.87 | 3991             | 1.30              | 60705            | 1 8 .                                                                                                                                                                                      |                              |               |
| 76              | 19.29 | 4298             | 1.24              | 61870            | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 23.23 | 5026             | 1.07              | 65964            | 2 2 .                                                                                                                                                                                      |                              |               |
| 58              | 25.27 | 5460             | 1.01              | 66352            | 2 5 .                                                                                                                                                                                      |                              |               |
| 51              | 28.70 | 6181             | 0.92              | 66700            | 2 8 .                                                                                                                                                                                      |                              |               |
| 46              | 31.85 | 7032             | 0.91              | 61900            | 3 2 .                                                                                                                                                                                      |                              |               |
| 185             | 7.97  | 2170             | 0.98              | 39000            | C 0 9 2 1 8 . 0 _ M _ - _ _ 4 5 . A -                                                                                                                                                      | 513                          | 225M          |
| 134             | 10.98 | 2982             | 0.81              | 40100            | 1 1 .                                                                                                                                                                                      |                              |               |
| 186             | 7.95  | 2173             | 1.72              | 51700            | C 1 0 2 1 8 . 0 _ M _ - _ _ 4 5 . A -                                                                                                                                                      | 612                          | 225M          |
| 133             | 11.11 | 3033             | 1.42              | 54300            | 1 1 .                                                                                                                                                                                      |                              |               |
| 122             | 12.08 | 3302             | 1.35              | 55000            | 1 2 .                                                                                                                                                                                      |                              |               |
| 108             | 13.72 | 3743             | 1.25              | 56200            | 1 4 .                                                                                                                                                                                      |                              |               |
| 89              | 16.63 | 4386             | 1.08              | 60700            | 1 6 .                                                                                                                                                                                      |                              |               |
| 83              | 17.87 | 4854             | 1.07              | 58400            | 1 8 .                                                                                                                                                                                      |                              |               |
| 76              | 19.29 | 5228             | 1.02              | 59400            | 2 0 .                                                                                                                                                                                      |                              |               |
| 63              | 23.23 | 6113             | 0.88              | 63800            | 2 2 .                                                                                                                                                                                      |                              |               |
| 58              | 25.27 | 6641             | 0.83              | 64000            | 2 5 .                                                                                                                                                                                      |                              |               |

# SERIES C

## DIMENSIONS

### DOUBLE REDUCTION



| Size         | a1 | a2 | b   | b0  | b1 | c1 | e1  | f0  | h1  | h2    | o  | p4  | q  | q1  |
|--------------|----|----|-----|-----|----|----|-----|-----|-----|-------|----|-----|----|-----|
| <b>C0321</b> | 54 | 35 | 63  | 80  | 40 | 9  | 70  | 139 | 5.3 | 79.5  | 62 | 148 | 54 | 109 |
| <b>C0421</b> | 56 | 35 | 80  | 118 | 65 | 7  | 80  | 158 | 15  | 93    | 65 | 168 | 64 | 119 |
| <b>C0521</b> | 68 | 45 | 100 | 142 | 77 | 16 | 86  | 177 | 13  | 112   | 70 | 200 | 68 | 134 |
| <b>C0621</b> | 80 | 56 | 122 | 172 | 96 | 20 | 102 | 218 | 17  | 139.5 | 90 | 243 | 90 | 169 |

| Size         | s               | w7   | D  | m  | m1  | m2  | m3   | T    | U  | w3              |
|--------------|-----------------|------|----|----|-----|-----|------|------|----|-----------------|
| <b>C0321</b> | M8 x 1.25 x 15  | 70   | 20 | 52 | 124 | 104 | 20.2 | 22.9 | 6  | M6 x 1.0 x 40   |
| <b>C0421</b> | M10 x 1.5 x 20  | 74.5 | 30 | 54 | 130 | 122 | 30.2 | 33.5 | 8  | M10 x 1.5 x 50  |
| <b>C0521</b> | M10 x 1.5 x 18  | 79   | 35 | 56 | 140 | 127 | 35.3 | 38.5 | 10 | M12 x 1.75 x 55 |
| <b>C0621</b> | M12 x 1.75 x 20 | 101  | 45 | 70 | 180 | 156 | 45.3 | 49   | 14 | M16 x 2.0 x 70  |

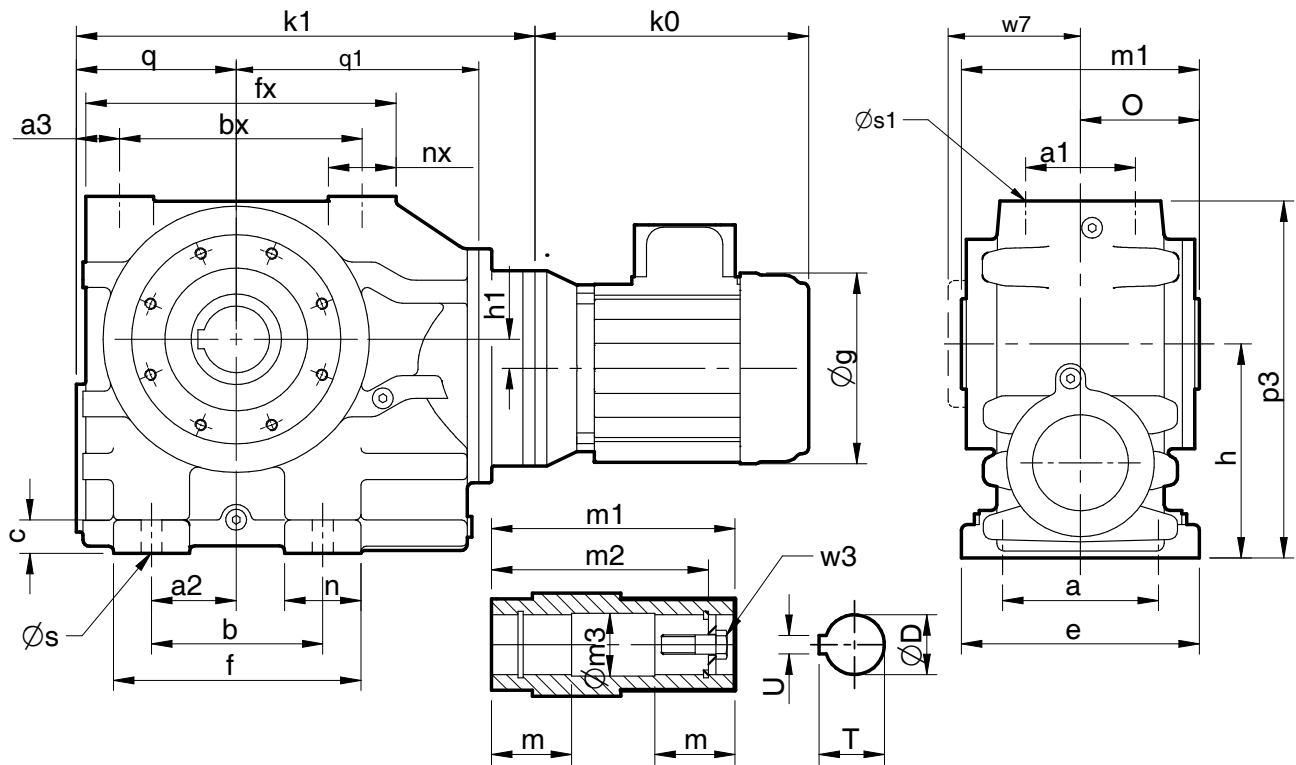
| Size        |      |     | C0321 | C0421 | C0521 | C0621 |
|-------------|------|-----|-------|-------|-------|-------|
|             | k0** | g** | k1    | k1    | k1    | k1    |
| <b>63</b>   | 183  | 125 | 197   | 217   | 236   | 271   |
| <b>71</b>   | 210  | 140 | 201   | 221   | 240   | 277   |
| <b>80</b>   | 242  | 160 | 214   | 234   | 253   | 295   |
| <b>90S</b>  | 269  | 180 | 224   | 244   | 263   | 305   |
| <b>90L</b>  | 294  | 180 | 224   | 244   | 263   | 305   |
| <b>100L</b> | 314  | 200 | 232   | 252   | 271   | 332   |
| <b>112M</b> | 338  | 225 | 232   | 252   | 271   | 332   |
| <b>132S</b> | 371  | 260 | -     | -     | -     | 332   |
| <b>132M</b> | 409  | 260 | -     | -     | -     | 332   |

\*\* Motor lengths k0 for standard own brand motors can be found on the motor details page

# SERIES C

## DIMENSIONS

### DOUBLE REDUCTION



| Size         | a   | a1  | a2  | a3   | b   | bx  | c  | e   | f   | fx  | h   | h1 | n   | nx  | o   | p3  | q   | q1  |
|--------------|-----|-----|-----|------|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|
| <b>C0721</b> | 150 | 100 | 75  | 35.5 | 135 | 215 | 28 | 185 | 202 | 280 | 180 | 26 | 67  | 63  | 109 | 302 | 143 | 220 |
| <b>C0821</b> | 200 | 120 | 92  | 43   | 180 | 250 | 35 | 250 | 260 | 326 | 225 | 28 | 80  | 71  | 125 | 375 | 168 | 255 |
| <b>C0921</b> | 250 | 135 | 115 | 50   | 235 | 290 | 40 | 305 | 320 | 380 | 280 | 40 | 85  | 85  | 150 | 457 | 195 | 300 |
| <b>C1021</b> | 300 | 150 | 170 | 62.5 | 310 | 345 | 45 | 360 | 420 | 460 | 335 | 65 | 110 | 107 | 175 | 565 | 235 | 355 |

| Size         | s  | s1             | w7  | D   | m     | m1  | m2  | m3    | T     | U  | w3              |
|--------------|----|----------------|-----|-----|-------|-----|-----|-------|-------|----|-----------------|
| <b>C0721</b> | 18 | M20 x 2.5 x 34 | 125 | 60  | 79    | 218 | 188 | 60.5  | 64.6  | 18 | M20 x 2.5, 80   |
| <b>C0821</b> | 22 | M20 x 2.5 x 34 | 143 | 70  | 90    | 250 | 220 | 70.5  | 75.1  | 20 | M20 x 2.5, 80   |
| <b>C0921</b> | 26 | M24 x 3.0 x 45 | 169 | 90  | 107.5 | 300 | 265 | 90.5  | 95.6  | 25 | M24 x 3.0 x 110 |
| <b>C1021</b> | 26 | M24 x 3.0 x 45 | 198 | 100 | 132.5 | 350 | 313 | 100.5 | 106.6 | 28 | M24 x 3.0 x 110 |

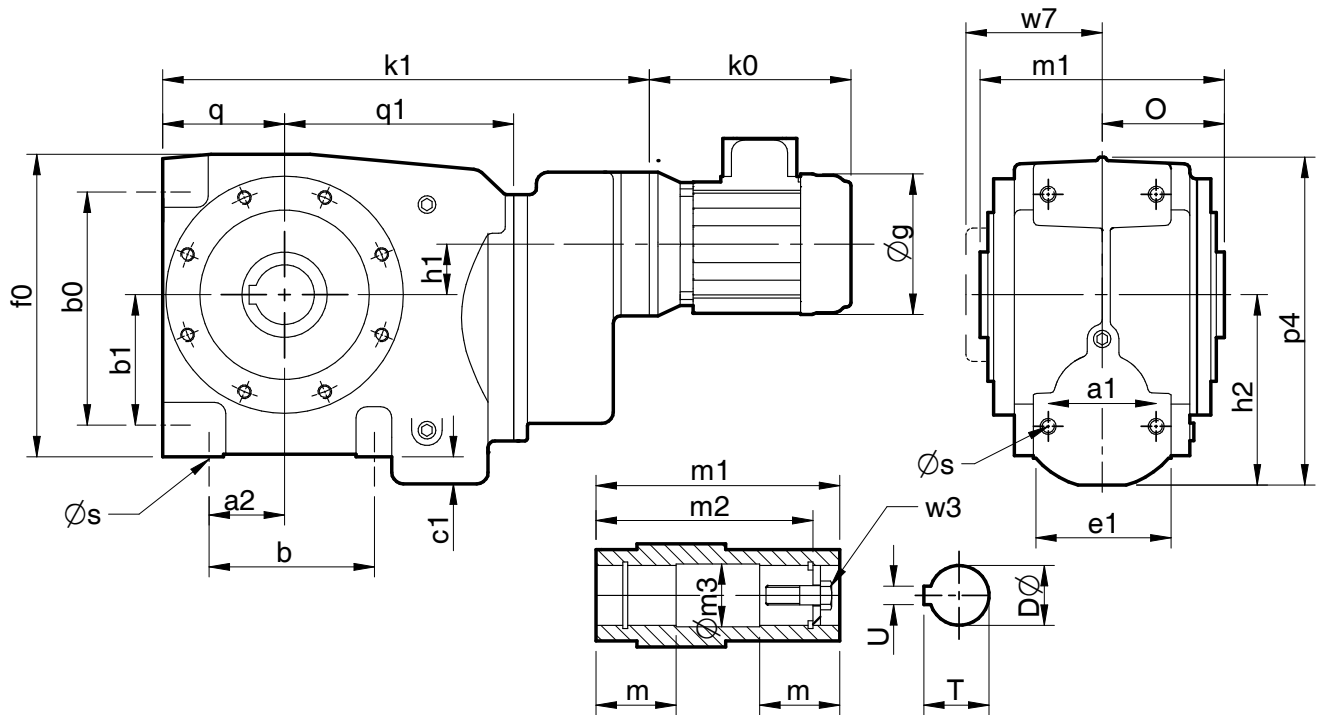
| Size        |      |     | C0721 | C0821 | C0921 | C1021 |
|-------------|------|-----|-------|-------|-------|-------|
|             | k0** | g** | k1    | k1    | k1    | k1    |
| <b>80</b>   | 242  | 158 | 400   | 505   | 553   | -     |
| <b>90S</b>  | 269  | 180 | 410   | 505   | 553   | -     |
| <b>90L</b>  | 294  | 180 | 410   | 505   | 553   | -     |
| <b>100L</b> | 314  | 198 | 422   | 511   | 559   | 637   |
| <b>112M</b> | 338  | 222 | 422   | 511   | 559   | 637   |
| <b>132S</b> | 371  | 262 | 444   | 511   | 559   | 637   |
| <b>132M</b> | 409  | 262 | 444   | 511   | 559   | 637   |
| <b>160M</b> | 479  | 314 | 452   | 541   | 594   | 672   |
| <b>160L</b> | 523  | 314 | 452   | 541   | 594   | 672   |
| <b>180M</b> | 545  | 354 | -     | -     | 594   | 672   |
| <b>180L</b> | 583  | 354 | -     | -     | 594   | 672   |
| <b>200L</b> | 650  | 395 | -     | -     | 594   | 672   |
| <b>225S</b> | 695  | 435 | -     | -     | 621   | 699   |
| <b>225M</b> | 695  | 435 | -     | -     | 621   | 699   |

\*\* Motor lengths k0 for standard own brand motors can be found on the motor details page

# SERIES C

## DIMENSIONS

### TRIPLE REDUCTION



| Size         | a1 | a2 | b   | b0  | b1 | c1 | e1  | f0  | h1    | h2    | o  | p4  | q  | q1  |
|--------------|----|----|-----|-----|----|----|-----|-----|-------|-------|----|-----|----|-----|
| <b>C0331</b> | 54 | 35 | 63  | 80  | 40 | 9  | 70  | 139 | 30.75 | 79.5  | 62 | 148 | 54 | 109 |
| <b>C0431</b> | 56 | 35 | 80  | 118 | 65 | 7  | 80  | 158 | 21.2  | 93    | 65 | 168 | 64 | 119 |
| <b>C0531</b> | 68 | 46 | 100 | 142 | 77 | 16 | 86  | 177 | 23    | 112   | 70 | 200 | 68 | 134 |
| <b>C0631</b> | 80 | 56 | 122 | 172 | 96 | 20 | 102 | 218 | 30    | 139.5 | 90 | 243 | 90 | 169 |

| Size         | s               | w7   | D  | m  | m1  | m2  | m3   | T    | U  | w3              |
|--------------|-----------------|------|----|----|-----|-----|------|------|----|-----------------|
| <b>C0331</b> | M8 x 1.25 x 15  | 70   | 20 | 52 | 124 | 104 | 20.2 | 22.9 | 6  | M6 x 1.0 x 40   |
| <b>C0431</b> | M10 x 1.5 x 18  | 74.5 | 30 | 54 | 130 | 122 | 30.2 | 33.5 | 8  | M10 x 1.5 x 50  |
| <b>C0531</b> | M10 x 1.5 x 18  | 79   | 35 | 56 | 140 | 127 | 35.3 | 38.5 | 10 | M12 x 1.75 x 55 |
| <b>C0631</b> | M12 x 1.75 x 20 | 101  | 45 | 70 | 180 | 156 | 45.3 | 49   | 14 | M16 x 2.0 x 70  |

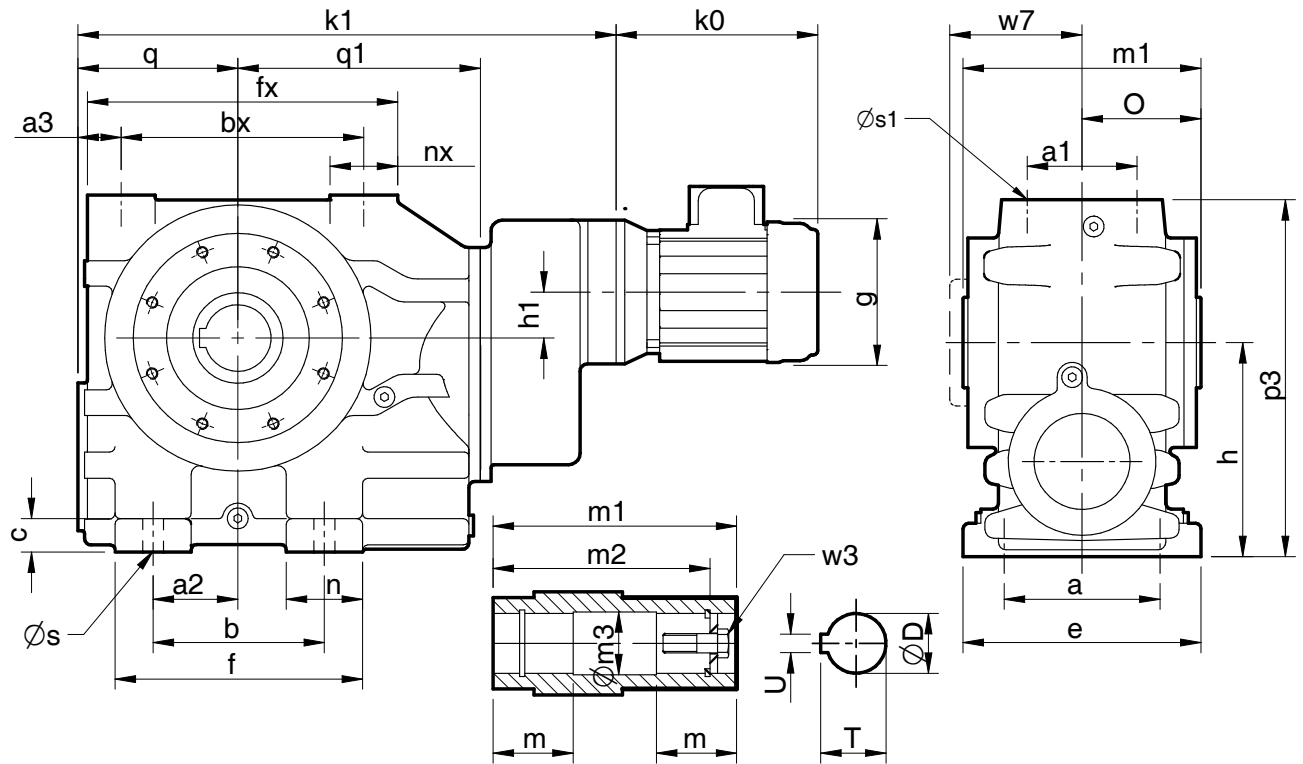
| Size        |      |     | C0331 | C0431 | C0531 | C0631 |
|-------------|------|-----|-------|-------|-------|-------|
|             | k0** | g** | k1    | k1    | k1    | k1    |
| <b>63</b>   | 183  | 125 | 253   | 273   | 292   | 359   |
| <b>71</b>   | 210  | 140 | 257   | 277   | 296   | 363   |
| <b>80</b>   | 242  | 160 | 270   | 290   | 309   | 376   |
| <b>90S</b>  | 269  | 180 | 280   | 300   | 319   | 386   |
| <b>90L</b>  | 294  | 180 | 280   | 300   | 319   | 386   |
| <b>100L</b> | 314  | 200 | 288   | 308   | 327   | 394   |
| <b>112M</b> | 338  | 225 | 288   | 308   | 327   | 394   |

\*\* Motor lengths k0 for standard own brand motors can be found on the motor details page

# SERIES C

## DIMENSIONS

### TRIPLE REDUCTION



| Size         | a   | a1  | a2 | a3   | b   | bx  | c  | e   | f   | fx  | h   | h1 | n  | nx | o   | p3  | q   | q1  |
|--------------|-----|-----|----|------|-----|-----|----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|
| <b>C0731</b> | 150 | 100 | 75 | 35.5 | 135 | 215 | 28 | 185 | 202 | 280 | 180 | 34 | 67 | 63 | 109 | 302 | 143 | 220 |

| Size         | s  | s1             | w7  | D  | m  | m1  | m2  | m3   | T    | U  | w3             |
|--------------|----|----------------|-----|----|----|-----|-----|------|------|----|----------------|
| <b>C0731</b> | 18 | M20 x 2.5 x 34 | 125 | 60 | 79 | 218 | 188 | 60.5 | 64.6 | 18 | M20 x 2.5 x 80 |

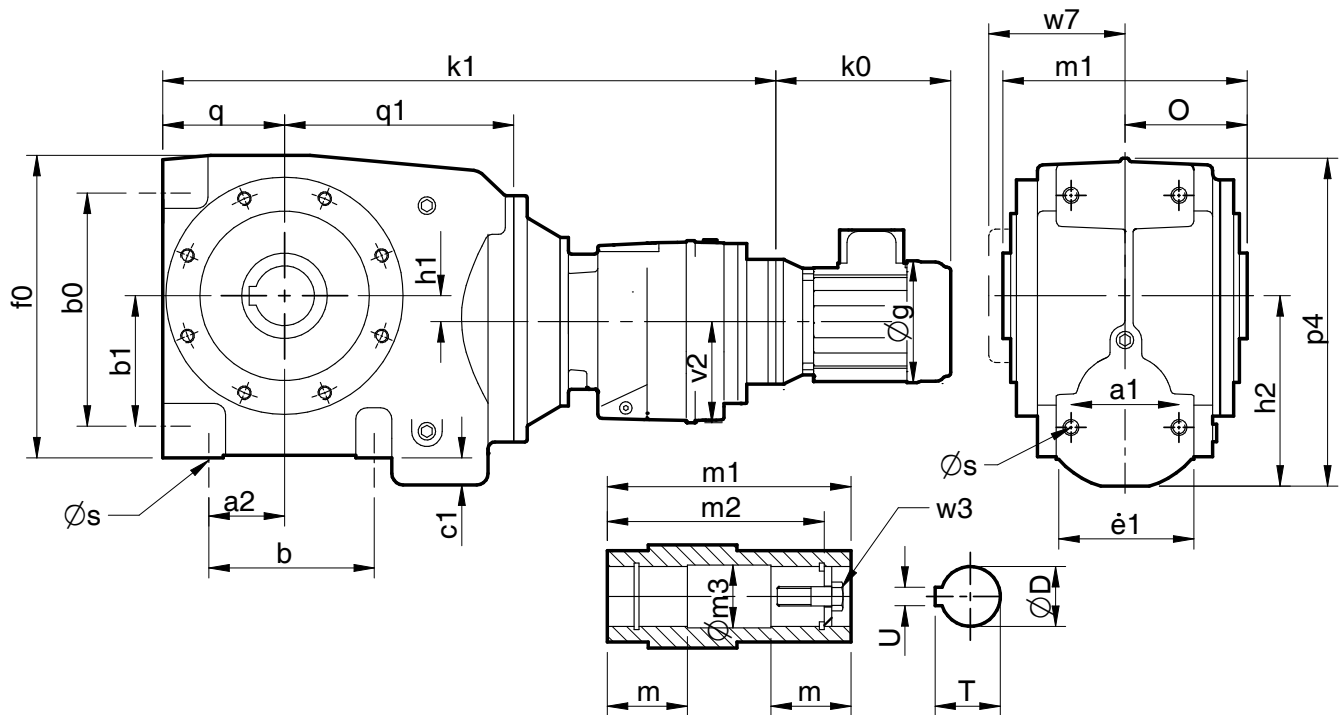
| Size        | C0721 |     |     |
|-------------|-------|-----|-----|
|             | k0**  | g** | k1  |
| <b>63</b>   | 183   | 124 | 461 |
| <b>71</b>   | 210   | 140 | 467 |
| <b>80</b>   | 242   | 158 | 485 |
| <b>90S</b>  | 269   | 180 | 495 |
| <b>90L</b>  | 294   | 180 | 495 |
| <b>100L</b> | 314   | 198 | 522 |
| <b>112M</b> | 338   | 222 | 522 |
| <b>132S</b> | 371   | 262 | 522 |
| <b>132M</b> | 409   | 262 | 522 |

\*\* Motor lengths k0 for standard own brand motors can be found on the motor details page

# SERIES C

## DIMENSIONS

### QUADRUPLE REDUCTION



| Size         | a1 | a2 | b   | b0  | b1 | c1 | e1  | f0  | h1  | h2    | o  | p4  | q  | q1  |
|--------------|----|----|-----|-----|----|----|-----|-----|-----|-------|----|-----|----|-----|
| <b>C0341</b> | 54 | 35 | 63  | 80  | 40 | 9  | 70  | 139 | 5.3 | 79.5  | 62 | 148 | 54 | 109 |
| <b>C0441</b> | 56 | 35 | 80  | 118 | 65 | 7  | 80  | 158 | 15  | 93    | 65 | 168 | 64 | 119 |
| <b>C0541</b> | 68 | 45 | 100 | 142 | 77 | 16 | 86  | 177 | 13  | 112   | 70 | 200 | 68 | 134 |
| <b>C0641</b> | 80 | 56 | 122 | 172 | 96 | 20 | 102 | 218 | 17  | 139.5 | 90 | 243 | 90 | 169 |

| Size         | s               | v2 | w7   | D  | m  | m1  | m2  | m3   | T    | U  | w3              |
|--------------|-----------------|----|------|----|----|-----|-----|------|------|----|-----------------|
| <b>C0341</b> | M8 x 1.25 x 15  | 76 | 70   | 20 | 52 | 124 | 104 | 20.2 | 22.9 | 6  | M6 x 1.0 x 40   |
| <b>C0441</b> | M10 x 1.5 x 20  | 76 | 74.5 | 30 | 54 | 130 | 122 | 30.2 | 33.5 | 8  | M10 x 1.5 x 50  |
| <b>C0541</b> | M10 x 1.5 x 18  | 76 | 79   | 35 | 56 | 140 | 127 | 35.3 | 38.5 | 10 | M12 x 1.75 x 55 |
| <b>C0641</b> | M12 x 1.75 x 20 | 91 | 101  | 45 | 70 | 180 | 156 | 45.3 | 49   | 14 | M16 x 2.0 x 70  |

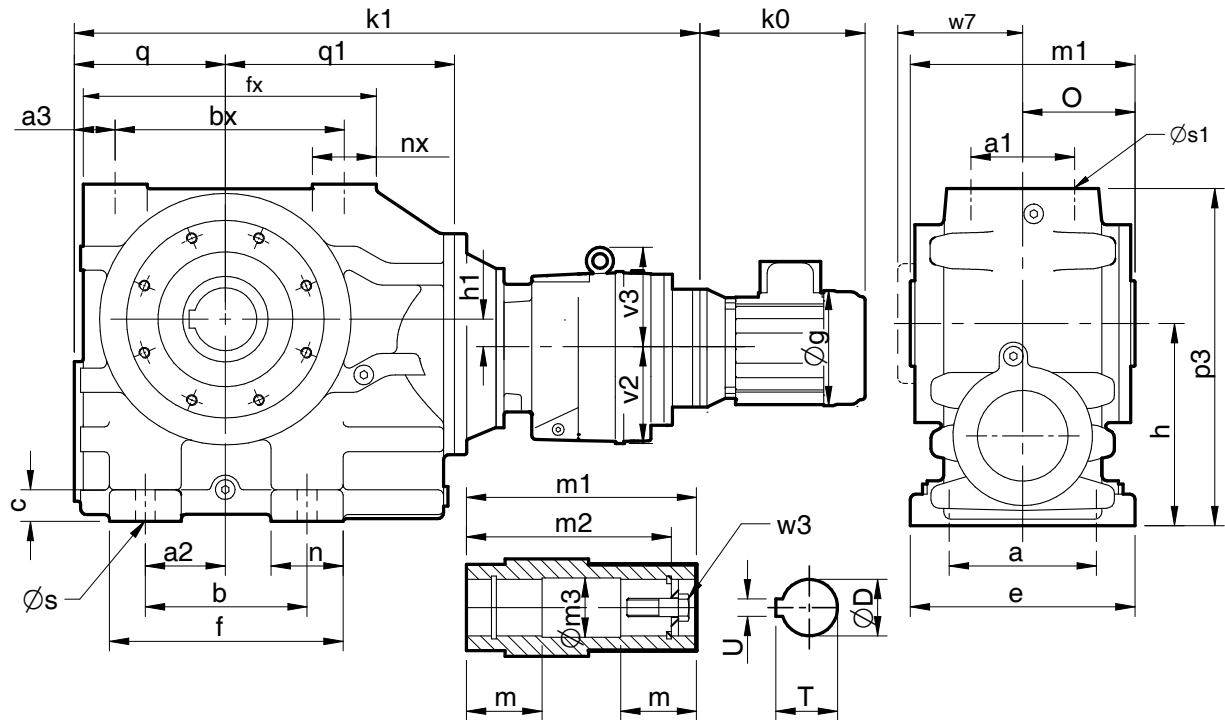
|             |      |     | C0341 | C0441 | C0541 | C0641 |
|-------------|------|-----|-------|-------|-------|-------|
| Size        | k0** | g** | k1    | k1    | k1    | k1    |
| <b>63</b>   | 183  | 125 | 383   | 403   | 422   | 495   |
| <b>71</b>   | 210  | 140 | 387   | 407   | 426   | 499   |
| <b>80</b>   | 242  | 160 | 400   | 420   | 439   | 512   |
| <b>90S</b>  | 269  | 180 | 410   | 430   | 449   | 522   |
| <b>90L</b>  | 294  | 180 | 410   | 430   | 449   | 522   |
| <b>100L</b> | 314  | 200 | 418   | 438   | 457   | 530   |
| <b>112M</b> | 338  | 225 | 418   | 438   | 457   | 530   |

\*\* Motor lengths k0 for standard own brand motors can be found on the motor details page

# SERIES C

## DIMENSIONS

### QUADRUPLE REDUCTION



| Size         | a   | a1  | a2  | a3   | b   | bx  | c  | e   | f   | fx  | h   | h1 | n   | nx  | o   | p3  | q   | q1  |
|--------------|-----|-----|-----|------|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|
| <b>C0741</b> | 150 | 100 | 75  | 35.5 | 135 | 215 | 28 | 185 | 202 | 280 | 180 | 26 | 67  | 63  | 109 | 302 | 143 | 220 |
| <b>C0841</b> | 200 | 120 | 92  | 43   | 180 | 250 | 35 | 250 | 260 | 326 | 225 | 28 | 80  | 71  | 125 | 375 | 168 | 255 |
| <b>C0941</b> | 250 | 135 | 115 | 50   | 235 | 290 | 40 | 305 | 320 | 380 | 280 | 40 | 85  | 85  | 150 | 457 | 195 | 300 |
| <b>C1041</b> | 300 | 150 | 170 | 62.5 | 310 | 345 | 45 | 360 | 420 | 460 | 335 | 65 | 110 | 107 | 175 | 565 | 235 | 355 |

| Size         | s  | s1             | v2  | v3  | w7  | D   | m     | m1  | m2  | m3    | T     | U  | w3              |
|--------------|----|----------------|-----|-----|-----|-----|-------|-----|-----|-------|-------|----|-----------------|
| <b>C0741</b> | 18 | M20 x 2.5 x 34 | 91  | -   | 125 | 60  | 79    | 218 | 188 | 60.5  | 64.6  | 18 | M20 x 2.5 x 80  |
| <b>C0841</b> | 22 | M20 x 2.5 x 34 | 115 | -   | 143 | 70  | 90    | 250 | 220 | 70.5  | 75.1  | 20 | M20 x 2.5 x 80  |
| <b>C0941</b> | 26 | M24 x 3.0 x 45 | 115 | -   | 169 | 90  | 107.5 | 300 | 265 | 90.5  | 95.6  | 25 | M24 x 3.0 x 110 |
| <b>C1041</b> | 26 | M24 x 3.0 x 45 | 140 | 155 | 198 | 100 | 132.5 | 350 | 313 | 100.5 | 106.6 | 28 | M24 x 3.0 x 110 |

| Size        |      |     | C0741 | C0841 | C0941 | C1041 |
|-------------|------|-----|-------|-------|-------|-------|
|             | k0** | g** | k1    | k1    | k1    | k1    |
| <b>63</b>   | 183  | 124 | 600   | 680   | 763   | -     |
| <b>71</b>   | 210  | 140 | 604   | 686   | 769   | -     |
| <b>80</b>   | 242  | 158 | 617   | 704   | 787   | 919   |
| <b>90S</b>  | 269  | 180 | 627   | 714   | 797   | 929   |
| <b>90L</b>  | 294  | 180 | 627   | 714   | 797   | 929   |
| <b>100L</b> | 314  | 198 | 635   | 741   | 824   | 941   |
| <b>112M</b> | 338  | 222 | 635   | 741   | 824   | 941   |
| <b>132S</b> | 371  | 262 | -     | 741   | 824   | 963   |
| <b>132M</b> | 409  | 262 | -     | 741   | 824   | 963   |
| <b>160M</b> | 479  | 314 | -     | -     | -     | 971   |
| <b>160L</b> | 523  | 314 | -     | -     | -     | 971   |

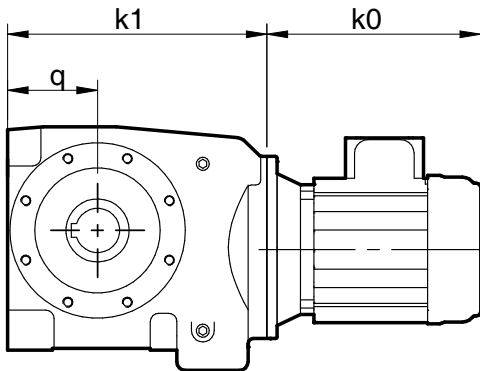
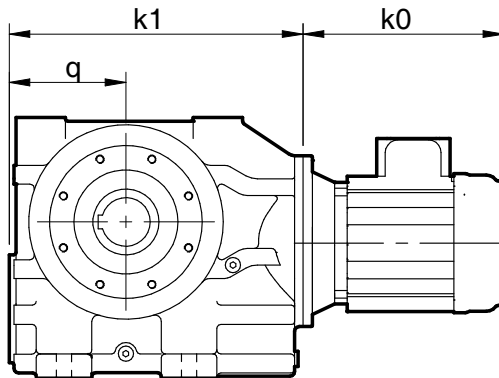
\*\* Motor lengths k0 for standard own brand motors can be found on the motor details page

# SERIES C

## DIMENSIONS

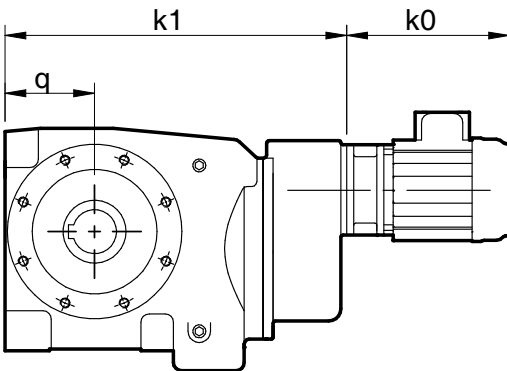
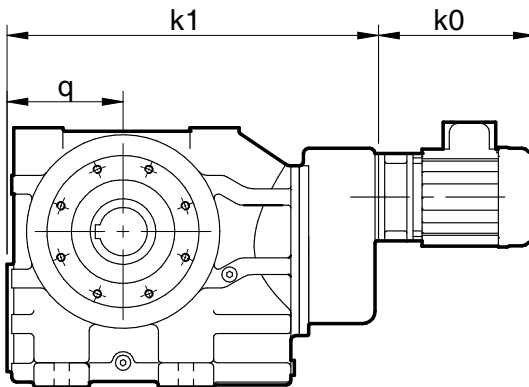
### UNITS WITH INTEGRAL MOTOR

#### Double Reduction Units


**C0321 - C0621**

**C0721 - C0821**

| Size    | C0321 |     |     |    | C0421 |     |    | C0521 |     |    | C0621 |     |    | C0721 |     |     | C0821 |     |     |
|---------|-------|-----|-----|----|-------|-----|----|-------|-----|----|-------|-----|----|-------|-----|-----|-------|-----|-----|
|         | g     | k1  | k0  | q  | k1    | k0  | q  | k1    | k0  | q  | k1    | k0  | q  | k1    | k0  | q   | k1    | k0  | q   |
| 0.25 kW | 140   | 163 | 222 | 54 | 183   | 222 | 64 | 202   | 222 | 68 | -     | -   | -  | -     | -   | -   | -     | -   | -   |
| 0.37 kW | 140   | 163 | 222 | 54 | 183   | 222 | 64 | 202   | 222 | 68 | -     | -   | -  | -     | -   | -   | -     | -   | -   |
| 0.55 kW | 158   | 163 | 277 | 54 | 183   | 277 | 64 | 202   | 277 | 68 | 259   | 262 | 90 | -     | -   | -   | -     | -   | -   |
| 0.75 kW | 158   | 163 | 277 | 54 | 183   | 277 | 64 | 202   | 277 | 68 | 259   | 262 | 90 | -     | -   | -   | -     | -   | -   |
| 1.1 kW  | 179   | 163 | 307 | 54 | 183   | 307 | 64 | 202   | 307 | 68 | 259   | 292 | 90 | 363   | 278 | 143 | -     | -   | -   |
| 1.5 kW  | 179   | 163 | 307 | 54 | 183   | 307 | 64 | 202   | 307 | 68 | 259   | 292 | 90 | 363   | 278 | 143 | -     | -   | -   |
| 2.2 kW  | 198   | -   | -   | -  | -     | -   | -  | -     | -   | -  | 259   | 354 | 90 | 363   | 340 | 143 | 423   | 331 | 168 |
| 3.0 kW  | 198   | -   | -   | -  | -     | -   | -  | -     | -   | -  | 259   | 354 | 90 | 363   | 340 | 143 | 423   | 331 | 168 |
| 3.7 kW  | 222   | -   | -   | -  | -     | -   | -  | -     | -   | -  | 259   | 389 | 90 | 363   | 375 | 143 | 423   | 366 | 168 |
| 5.5 kW  | 262   | -   | -   | -  | -     | -   | -  | -     | -   | -  | 259   | 495 | 90 | 363   | 481 | 143 | 423   | 488 | 168 |
| 7.5 kW  | 262   | -   | -   | -  | -     | -   | -  | -     | -   | -  | -     | -   | -  | 363   | 481 | 143 | 423   | 488 | 168 |

#### Triple Reduction Units


**C0331 - C0631**

**C0731 - C0831**

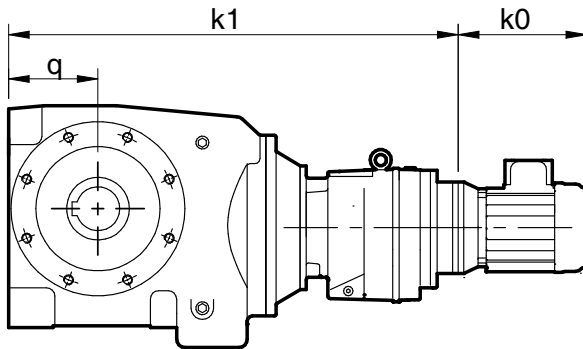
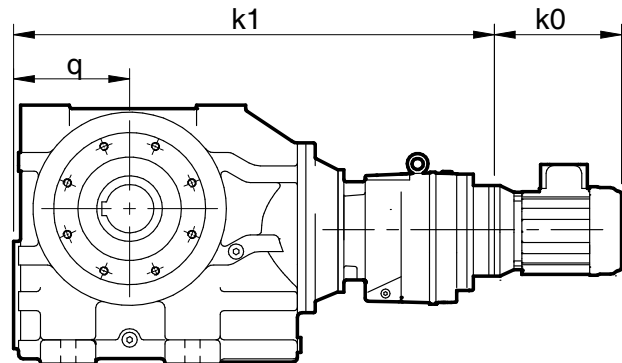
| Size    |     | C0331 |     |    | C0431 |     |    | C0531 |     |    | C0631 |     |    | C0731 |     |     |
|---------|-----|-------|-----|----|-------|-----|----|-------|-----|----|-------|-----|----|-------|-----|-----|
|         |     | g     | k1  | k0 | q     | k1  | k0 | q     | k1  | k0 | q     | k1  | k0 | q     | k1  | k0  |
| 0.25 kW | 140 | 219   | 222 | 54 | 239   | 222 | 64 | 258   | 222 | 68 | 325   | 222 | 90 | -     | -   | -   |
| 0.37 kW | 140 | 219   | 222 | 54 | 239   | 222 | 64 | 258   | 222 | 68 | 325   | 222 | 90 | -     | -   | -   |
| 0.55 kW | 160 | 219   | 277 | 54 | 239   | 277 | 64 | 258   | 277 | 68 | 325   | 277 | 90 | 449   | 262 | 143 |
| 0.75 kW | 160 | 219   | 277 | 54 | 239   | 277 | 64 | 258   | 277 | 68 | 325   | 277 | 90 | 449   | 262 | 143 |
| 1.1 kW  | 179 | 210   | 307 | 54 | 239   | 307 | 64 | 258   | 307 | 68 | 325   | 307 | 90 | 449   | 292 | 143 |
| 1.5 kW  | 179 | 219   | 307 | 54 | 239   | 307 | 64 | 258   | 307 | 68 | 325   | 307 | 90 | 449   | 292 | 143 |
| 2.2 kW  | 198 | -     | -   | -  | -     | -   | -  | -     | -   | -  | -     | -   | -  | 449   | 354 | 143 |
| 3.0 kW  | 198 | -     | -   | -  | -     | -   | -  | -     | -   | -  | -     | -   | -  | 449   | 354 | 143 |
| 3.7 kW  | 222 | -     | -   | -  | -     | -   | -  | -     | -   | -  | -     | -   | -  | 449   | 389 | 143 |
| 5.5 kW  | 262 | -     | -   | -  | -     | -   | -  | -     | -   | -  | -     | -   | -  | 449   | 495 | 143 |

# SERIES C

## DIMENSIONS

### UNITS WITH INTEGRAL MOTOR

#### Quadruple Reduction Units

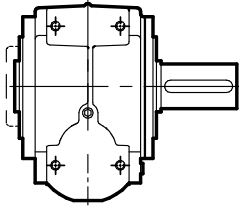

**C0341 - C0641**

**C0741 - C0841**

| Size    | C0341 |     |     |    | C0441 |     |    | C0541 |     |    | C0641 |     |    | C0741 |     |     |
|---------|-------|-----|-----|----|-------|-----|----|-------|-----|----|-------|-----|----|-------|-----|-----|
|         | g     | k1  | k0  | q  | k1    | k0  | q  | k1    | k0  | q  | k1    | k0  | q  | k1    | k0  | q   |
| 0.25 kW | 140   | 349 | 222 | 54 | 369   | 222 | 64 | 388   | 222 | 68 | 461   | 222 | 90 | 566   | 222 | 143 |
| 0.37 kW | 140   | 349 | 222 | 54 | 369   | 222 | 64 | 388   | 222 | 68 | 461   | 222 | 90 | 566   | 222 | 143 |
| 0.55 kW | 158   | 349 | 277 | 54 | 369   | 277 | 64 | 388   | 277 | 68 | 461   | 277 | 90 | 566   | 277 | 143 |
| 0.75 kW | 158   | 349 | 277 | 54 | 369   | 277 | 64 | 388   | 277 | 68 | 461   | 277 | 90 | 566   | 277 | 143 |

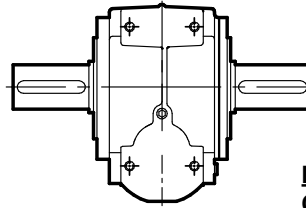
| Size    | C0841 |     |     |     | C0941 |     |     | C1041 |     |     |
|---------|-------|-----|-----|-----|-------|-----|-----|-------|-----|-----|
|         | g     | k1  | k0  | q   | k1    | k0  | q   | k1    | k0  | q   |
| 0.55 kW | 158   | 668 | 262 | 168 | 751   | 262 | 195 | -     | -   | -   |
| 0.75 kW | 158   | 668 | 262 | 168 | 751   | 262 | 195 | -     | -   | -   |
| 1.1 kW  | 179   | 668 | 292 | 168 | 751   | 292 | 195 | 882   | 278 | 235 |
| 1.5 kW  | 179   | 668 | 292 | 168 | 751   | 292 | 195 | 882   | 278 | 235 |
| 2.2 kW  | 198   | 668 | 354 | 168 | 751   | 354 | 195 | 882   | 340 | 235 |
| 3.0 kW  | 198   | 668 | 354 | 168 | 751   | 354 | 195 | 882   | 340 | 235 |
| 3.7 kW  | 222   | 668 | 389 | 168 | 751   | 389 | 195 | 882   | 375 | 235 |
| 5.5 kW  | 262   | 668 | 495 | 168 | 751   | 495 | 195 | 882   | 481 | 235 |
| 7.5 kW  | -     | -   | -   | -   | -     | -   | -   | 882   | 481 | 235 |

# SERIES C

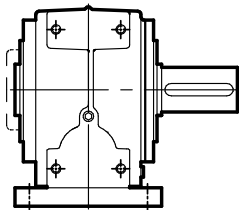
## GEAR UNIT OPTIONS



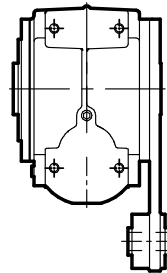
**Single Extended  
Outputshaft**



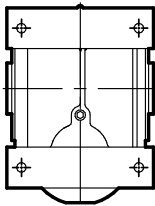
**Double Extended  
Outputshaft**



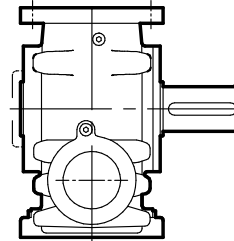
**Base Mounted Feet**



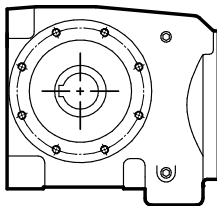
**Torque Bracket**



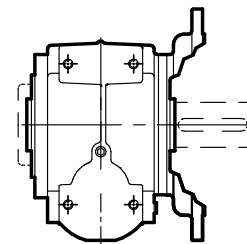
**End Mounted Feet**



**Top Mounted Feet**



**B14 (C) Flange Mounting**



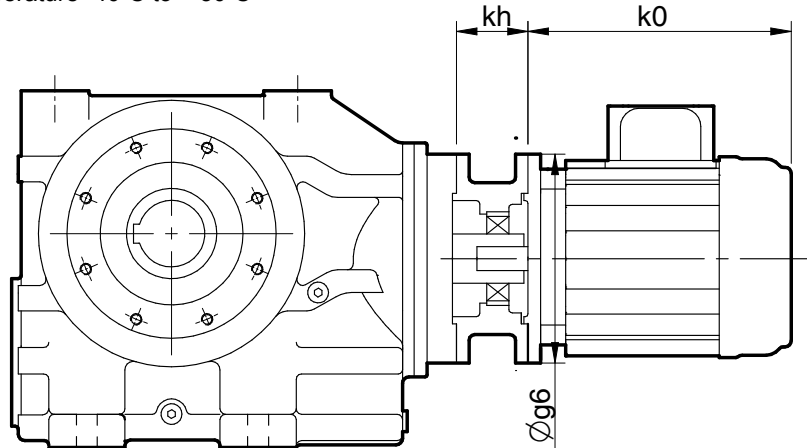
**B5 (D) Flange Mounting**

# SERIES C

## MOTORISED BACKSTOP MODULE

Motorised backstop modules can be fitted between the gear unit and motor. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (n min). To ensure correct operation motor speed must exceed lift off speed.

Suitable for ambient temperature -40°C to + 50°C



### Warning

Removal of motor or backstop will release the drive. Ensure all driven machinery is secure prior to any maintenance work

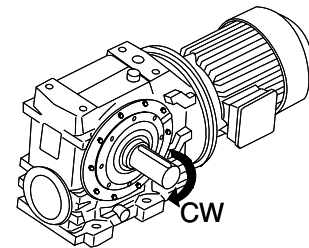
### IEC B5 FLANGE

| Motor Frame Size | Lift off Speed<br>( $n$ min) (rev/min) | Rated Locking Torque<br>( $T_{max}$ ) (at motor) (Nm) | $\phi g6$ | kh  |
|------------------|----------------------------------------|-------------------------------------------------------|-----------|-----|
| 100              | 670                                    | 170                                                   | 250       | 70  |
| 112              | 670                                    | 170                                                   | 250       | 70  |
| 132              | 620                                    | 940                                                   | 300       | 95  |
| 160              | 620                                    | 940                                                   | 350       | 130 |
| 180              | 620                                    | 940                                                   | 350       | 130 |
| 200              | 550                                    | 1260                                                  | 400       | 130 |

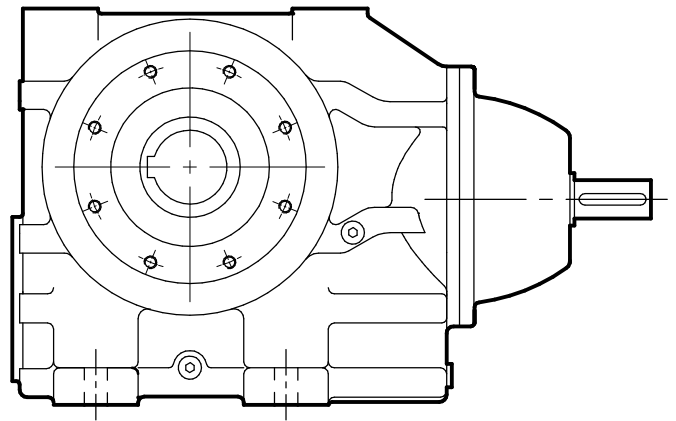
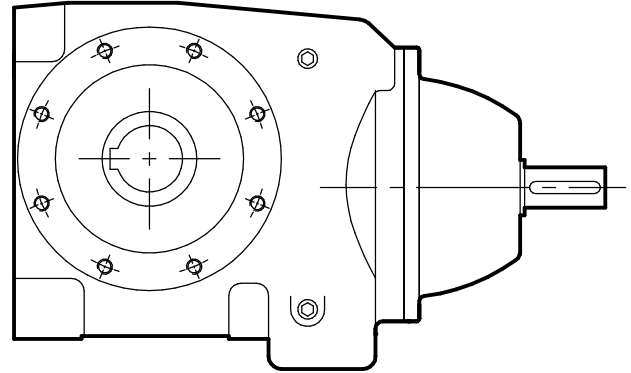
When a backstop module is fitted dimension kh should be added to the overall length of the geared motor assembly.

Rotation of outputshaft must be specified when ordering as viewed from the outputshaft end (as shown in the diagram)

|    |   |               |   |               |
|----|---|---------------|---|---------------|
| CW | - | Free Rotation | - | Clockwise     |
|    |   | Locked        | - | Anticlockwise |
| AC | - | Free Rotation | - | Anticlockwise |
|    |   | Locked        | - | Clockwise     |







# REDUCER

# SERIES C

# **SERIES C** **OVERHUNG & AXIAL LOADS** **(NEWTONS) ON SHAFTS**

## **Maximum permissible overhung loads**

When a sprocket, gear etc. is mounted on the shaft a calculation, as below, must be made to determine the overhung load on the shaft, and the results compared to the maximum permissible overhung loads tabulated. Overhung loads can be reduced by increasing the diameter of the sprocket, gear, etc. If the maximum permissible overhung load is exceeded, the sprocket, gear, etc. should be mounted on a separate shaft, flexibly coupled and supported in its own bearings, or the gear unit shaft should be extended to run in an outboard bearing. Alternatively, a larger gear is often a less expensive solution.

Permissible overhung loads vary according to the direction of rotation. The values tabulated are for the most unfavourable direction with the unit transmitting full rated power and the load P applied midway along the shaft extension. Hence they can sometimes be increased for a more favourable direction of rotation, or if the power transmitted is less than the rated capacity of the gear unit, or if the load is applied nearer to the gear unit case. Refer to our Application Engineers for further details. In any event, the sprocket, gear etc. should be positioned as close as possible to the gear unit case in order to reduce bearing loads and shaft stresses, and to prolong life. All units will accept 100% momentary overload on stated capacities.

### **Overhung load (Newtons)**

$$P = \frac{\text{kW} \times 9,500,000 \times K}{N \times R}$$

where

- P = equivalent overhung load (Newtons)  
 kW = power transmitted by the shaft (kilowatts)  
 N = speed of shaft (rpm)  
 R = pitch radius of sprocket, etc. (mm)  
 K = factor

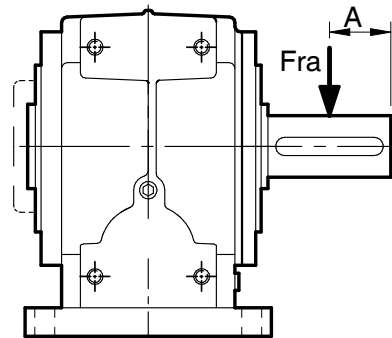
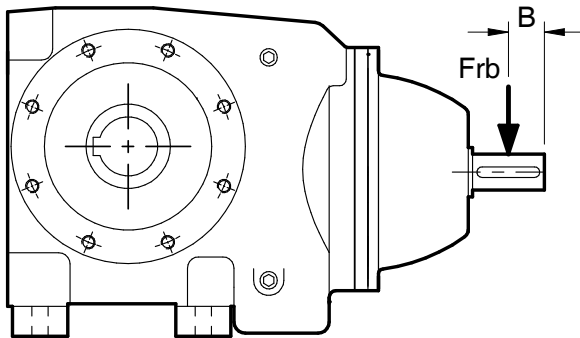
$$1 \text{ Newton} = 0.10197 \text{ kG (0.2248 lbs)}$$

### **Overhung load**

### **K (factor)**

|                        |      |
|------------------------|------|
| Chain sprocket*        | 1.00 |
| Spur or helical pinion | 1.25 |
| Vee belt sheave        | 1.50 |
| Flat belt pulley       | 2.00 |

\* If multistrand chain drives are equally loaded and the outer strand is further than dimension A output or B input, refer to our Application Engineers.



### **Distance midway along the shaft extension**

| Size of unit | No. of Reductions | Dimension A (mm) | Dimension B (mm) |
|--------------|-------------------|------------------|------------------|
| <b>C03</b>   | 2 - 3             | 17.5             | 20               |
| <b>C04</b>   | 2 - 3             | 23               | 20               |
| <b>C05</b>   | 2 - 3             | 30               | 20               |
| <b>C06</b>   | 2 - 5             | 31.5             | 20               |
| <b>C07</b>   | 2                 | 38               | 25               |
| <b>C07</b>   | 3 - 5             | 38               | 20               |
| <b>C08</b>   | 2                 | 60               | 30               |
| <b>C08</b>   | 4 - 5             | 60               | 20               |
| <b>C09</b>   | 2                 | 67.5             | 40               |
| <b>C09</b>   | 4 - 5             | 67.5             | 20               |
| <b>C10</b>   | 2                 | 85               | 55               |
| <b>C10</b>   | 4                 | 85               | 25               |
| <b>C10</b>   | 5                 | 85               | 20               |

### **Inputshaft Overhung Loads, Frb (Kn) 1450 rpm - Two Three and Four Stage Units**

|         | <b>C03</b> | <b>C04</b> | <b>C05</b> | <b>C06</b> | <b>C07</b> | <b>C08</b> | <b>C09</b> | <b>C10</b> |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|
| 2 Stage | 1.50       | 1.50       | 1.25       | 1.05       | 2.1        | 3.1        | 3.5        | 4.5        |
| 4 Stage | 1.50       | 1.50       | 1.50       | 1.50       | 1.50       | 1.50       | 1.50       | 1.80       |

For output overhung load Fra consult ratings tables.

**Axial Thrust Capacities (Newtons)** No check or calculation is required for axial loads (FA) towards or away from the unit up to 50% of the permissible overhung load. If the axial thrust considerably exceeds these values or if there is a combination of axial thrust loads and overhung loads please contact our Application Engineers.

# SERIES C

## RATINGS

**Key:** Pm= Input Power (kW)    M2= Output Torque (Nm)    i= Exact Ratio    n2= Output Speed (rpm)    Fra = Overhung load (kN)

|              |     |       | n1 = 1450 |     |            |       |      | n1 = 960 |     |            |       |      | n1 = 2900 |     |            |       |      | n1 = 725 |     |            |       |      |
|--------------|-----|-------|-----------|-----|------------|-------|------|----------|-----|------------|-------|------|-----------|-----|------------|-------|------|----------|-----|------------|-------|------|
|              | in  | i     | n2        | M2  | $\eta$ (%) | Pm    | Fra  | n2       | M2  | $\eta$ (%) | Pm    | Fra  | n2        | M2  | $\eta$ (%) | Pm    | Fra  | n2       | M2  | $\eta$ (%) | Pm    | Fra  |
| <b>C0321</b> | 8.0 | 8.591 | 169       | 80  | 83         | 1.70  | 2.78 | 112      | 88  | 83         | 1.24  | 2.78 | 338       | 66  | 84         | 2.78  | 2.78 | 84       | 95  | 82         | 1.02  | 2.78 |
|              | 11. | 11.61 | 125       | 87  | 83         | 1.37  | 2.78 | 83       | 96  | 81         | 1.03  | 2.78 | 250       | 74  | 84         | 2.30  | 2.78 | 62       | 102 | 80         | 0.83  | 2.78 |
|              | 12. | 13.20 | 110       | 90  | 82         | 1.26  | 2.78 | 73       | 99  | 81         | 0.93  | 2.78 | 220       | 77  | 84         | 2.11  | 2.78 | 55       | 105 | 80         | 0.75  | 2.78 |
|              | 14. | 14.95 | 97        | 93  | 82         | 1.15  | 2.78 | 64       | 102 | 80         | 0.86  | 2.78 | 194       | 79  | 83         | 1.93  | 2.78 | 48       | 109 | 80         | 0.69  | 2.78 |
|              | 16. | 16.36 | 89        | 87  | 73         | 1.11  | 2.78 | 59       | 96  | 71         | 0.83  | 2.78 | 177       | 69  | 74         | 1.73  | 2.78 | 44       | 103 | 70         | 0.68  | 2.78 |
|              | 18. | 19.12 | 76        | 99  | 81         | 0.97  | 2.78 | 50       | 108 | 80         | 0.71  | 2.78 | 152       | 84  | 83         | 1.61  | 2.78 | 38       | 115 | 79         | 0.58  | 2.78 |
|              | 20. | 20.61 | 70        | 101 | 81         | 0.92  | 2.78 | 47       | 110 | 79         | 0.68  | 2.78 | 141       | 86  | 83         | 1.53  | 2.78 | 35       | 117 | 79         | 0.55  | 2.78 |
|              | 22. | 22.11 | 66        | 94  | 72         | 0.90  | 2.78 | 43       | 104 | 70         | 0.68  | 2.78 | 131       | 79  | 74         | 1.47  | 2.78 | 33       | 111 | 69         | 0.55  | 2.78 |
|              | 25. | 25.14 | 58        | 97  | 71         | 0.83  | 2.78 | 38       | 107 | 69         | 0.62  | 2.78 | 115       | 82  | 73         | 1.36  | 2.78 | 29       | 114 | 68         | 0.51  | 2.78 |
|              | 28. | 28.48 | 51        | 85  | 70         | 0.65  | 2.78 | 34       | 111 | 69         | 0.57  | 2.78 | 102       | 85  | 73         | 1.24  | 2.78 | 25       | 118 | 68         | 0.46  | 2.78 |
|              | 32. | 33.71 | 43        | 113 | 79         | 0.64  | 2.78 | 28       | 125 | 78         | 0.48  | 2.78 | 86        | 98  | 81         | 1.09  | 2.78 | 22       | 137 | 78         | 0.40  | 2.78 |
|              | 36. | 36.43 | 40        | 107 | 69         | 0.65  | 2.78 | 26       | 117 | 68         | 0.47  | 2.78 | 80        | 91  | 72         | 1.05  | 2.78 | 20       | 125 | 67         | 0.39  | 2.78 |
|              | 40. | 39.26 | 37        | 110 | 68         | 0.63  | 2.78 | 24       | 120 | 68         | 0.45  | 2.78 | 74        | 93  | 72         | 1.00  | 2.78 | 18       | 127 | 66         | 0.37  | 2.78 |
|              | 45. | 45.50 | 32        | 122 | 79         | 0.52  | 2.78 | 21       | 122 | 77         | 0.35  | 2.78 | 64        | 105 | 80         | 0.88  | 2.78 | 16       | 149 | 76         | 0.33  | 2.78 |
|              | 50. | 53.31 | 27        | 127 | 78         | 0.46  | 2.78 | 18       | 145 | 77         | 0.36  | 2.78 | 54        | 109 | 80         | 0.78  | 2.78 | 14       | 149 | 76         | 0.28  | 2.78 |
|              | 56. | 56.19 | 26        | 120 | 68         | 0.48  | 2.78 | 17       | 131 | 66         | 0.36  | 2.78 | 52        | 104 | 70         | 0.80  | 2.78 | 13       | 141 | 65         | 0.29  | 2.78 |
|              | 63. | 64.21 | 23        | 124 | 67         | 0.44  | 2.78 | 15       | 135 | 65         | 0.33  | 2.78 | 45        | 107 | 70         | 0.72  | 2.78 | 11       | 147 | 64         | 0.27  | 2.78 |
|              | 71. | 74.55 | 19        | 143 | 76         | 0.38  | 2.78 | 13       | 149 | 76         | 0.26  | 2.78 | 39        | 124 | 78         | 0.65  | 2.78 | 9.7      | 149 | 75         | 0.20  | 2.78 |
|              | 80. | 82.83 | 18        | 147 | 76         | 0.35  | 2.78 | 12       | 150 | 75         | 0.24  | 2.78 | 35        | 127 | 78         | 0.60  | 2.78 | 8.8      | 150 | 75         | 0.18  | 2.78 |
|              | 90. | 86.67 | 17        | 139 | 66         | 0.37  | 2.78 | 11       | 150 | 64         | 0.27  | 2.78 | 33        | 121 | 69         | 0.61  | 2.78 | 8.4      | 150 | 63         | 0.21  | 2.78 |
|              | 100 | 101.5 | 14        | 143 | 65         | 0.33  | 2.78 | 9.5      | 150 | 63         | 0.24  | 2.78 | 29        | 124 | 68         | 0.55  | 2.78 | 7.1      | 150 | 63         | 0.18  | 2.78 |
|              | 112 | 114.3 | 13        | 129 | 75         | 0.23  | 2.78 | 8.4      | 150 | 75         | 0.18  | 2.78 | 25        | 132 | 77         | 0.46  | 2.78 | 6.3      | 150 | 74         | 0.13  | 2.78 |
|              | 125 | 129.0 | 11        | 127 | 75         | 0.20  | 2.78 | 7.4      | 150 | 74         | 0.16  | 2.78 | 22        | 130 | 77         | 0.40  | 2.78 | 5.6      | 150 | 73         | 0.12  | 2.78 |
|              | 140 | 142.0 | 10        | 149 | 63         | 0.25  | 2.78 | 6.8      | 150 | 62         | 0.17  | 2.78 | 20        | 133 | 66         | 0.43  | 2.78 | 5.1      | 150 | 61         | 0.13  | 2.78 |
|              | 160 | 157.8 | 9.2       | 150 | 63         | 0.23  | 2.78 | 6.1      | 150 | 62         | 0.15  | 2.78 | 18        | 136 | 66         | 0.40  | 2.78 | 4.6      | 150 | 61         | 0.12  | 2.78 |
|              | 212 | 217.8 | 6.7       | 150 | 62         | 0.17  | 2.78 | 4.4      | 150 | 61         | 0.11  | 2.78 | 13        | 146 | 65         | 0.31  | 2.78 | 3.3      | 150 | 60         | 0.09  | 2.78 |
|              | 250 | 247.5 | 5.9       | 150 | 61         | 0.15  | 2.78 | 3.9      | 150 | 60         | 0.10  | 2.78 | 12        | 149 | 64         | 0.29  | 2.78 | 2.9      | 150 | 59         | 0.08  | 2.78 |
| <b>C0331</b> | 100 | 105.4 | 14        | 150 | 74         | 0.29  | 2.78 | 9.1      | 150 | 74         | 0.19  | 2.78 | 28        | 126 | 75         | 0.48  | 2.78 | 6.9      | 150 | 73         | 0.15  | 2.78 |
|              | 118 | 120.4 | 12        | 150 | 74         | 0.26  | 2.78 | 8.0      | 150 | 74         | 0.17  | 2.78 | 24        | 132 | 75         | 0.44  | 2.78 | 6.0      | 150 | 73         | 0.13  | 2.78 |
|              | 132 | 130.1 | 11        | 150 | 63         | 0.28  | 2.78 | 7.4      | 150 | 61         | 0.19  | 2.78 | 22        | 120 | 64         | 0.44  | 2.78 | 5.6      | 150 | 60         | 0.15  | 2.78 |
|              | 150 | 140.2 | 10        | 150 | 63         | 0.26  | 2.78 | 6.8      | 150 | 61         | 0.18  | 2.78 | 21        | 122 | 64         | 0.41  | 2.78 | 5.2      | 150 | 60         | 0.14  | 2.78 |
|              | 160 | 162.5 | 8.9       | 150 | 73         | 0.19  | 2.78 | 5.9      | 150 | 73         | 0.13  | 2.78 | 18        | 146 | 75         | 0.36  | 2.78 | 4.5      | 150 | 72         | 0.10  | 2.78 |
|              | 180 | 190.4 | 7.6       | 150 | 73         | 0.16  | 2.78 | 5.0      | 150 | 73         | 0.11  | 2.78 | 15        | 149 | 75         | 0.32  | 2.78 | 3.8      | 150 | 72         | 0.083 | 2.78 |
|              | 200 | 200.7 | 7.2       | 150 | 61         | 0.19  | 2.78 | 4.8      | 150 | 60         | 0.13  | 2.78 | 14        | 136 | 63         | 0.33  | 2.78 | 3.6      | 150 | 59         | 0.096 | 2.78 |
|              | 225 | 229.3 | 6.3       | 150 | 61         | 0.16  | 2.78 | 4.2      | 150 | 59         | 0.11  | 2.78 | 13        | 142 | 62         | 0.30  | 2.78 | 3.2      | 150 | 59         | 0.084 | 2.78 |
|              | 265 | 266.2 | 5.4       | 150 | 72         | 0.12  | 2.78 | 3.6      | 150 | 71         | 0.080 | 2.78 | 11        | 149 | 73         | 0.23  | 2.78 | 2.7      | 150 | 71         | 0.060 | 2.78 |
|              | 280 | 295.8 | 4.9       | 150 | 71         | 0.11  | 2.78 | 3.2      | 150 | 71         | 0.072 | 2.78 | 9.8       | 150 | 73         | 0.21  | 2.78 | 2.5      | 150 | 71         | 0.054 | 2.78 |
|              | 315 | 309.5 | 4.7       | 150 | 59         | 0.12  | 2.78 | 3.1      | 150 | 58         | 0.084 | 2.78 | 9.4       | 150 | 61         | 0.24  | 2.78 | 2.3      | 150 | 58         | 0.063 | 2.78 |
|              | 360 | 362.6 | 4.0       | 150 | 59         | 0.11  | 2.78 | 2.6      | 150 | 58         | 0.072 | 2.78 | 8.0       | 150 | 61         | 0.21  | 2.78 | 2.0      | 150 | 58         | 0.054 | 2.78 |
|              | 400 | 408.3 | 3.6       | 150 | 71         | 0.079 | 2.78 | 2.4      | 150 | 71         | 0.052 | 2.78 | 7.1       | 150 | 72         | 0.15  | 2.78 | 1.8      | 150 | 71         | 0.039 | 2.78 |
|              | 450 | 464.1 | 3.1       | 150 | 71         | 0.069 | 2.78 | 2.1      | 150 | 70         | 0.046 | 2.78 | 6.2       | 150 | 72         | 0.14  | 2.78 | 1.6      | 150 | 70         | 0.035 | 2.78 |
|              | 500 | 507.1 | 2.9       | 150 | 58         | 0.077 | 2.78 | 1.9      | 150 | 57         | 0.052 | 2.78 | 5.7       | 150 | 59         | 0.15  | 2.78 | 1.4      | 150 | 57         | 0.039 | 2.78 |
|              | 560 | 563.5 | 2.6       | 150 | 57         | 0.071 | 2.78 | 1.7      | 150 | 57         | 0.047 | 2.78 | 5.1       | 150 | 59         | 0.14  | 2.78 | 1.3      | 150 | 57         | 0.035 | 2.78 |
|              | 800 | 777.8 | 1.9       | 150 | 57         | 0.051 | 2.78 | 1.2      | 150 | 57         | 0.034 | 2.78 | 3.7       | 150 | 59         | 0.10  | 2.78 | 0.93     | 150 | 57         | 0.026 | 2.78 |
|              | 900 | 883.9 | 1.6       | 150 | 57         | 0.045 | 2.78 | 1.1      | 150 | 57         | 0.030 | 2.78 | 3.3       | 150 | 58         | 0.089 | 2.78 | 0.82     | 150 | 56         | 0.023 | 2.78 |
| <b>C0341</b> | 10C | 960   | 1.5       | 150 | 70         | 0.034 | 2.78 | 1.0      | 150 | 70         | 0.022 | 2.78 | 3.0       | 150 | 70         | 0.068 | 2.78 | 0.76     | 150 | 70         | 0.017 | 2.78 |
|              | 11C | 1097  | 1.3       | 150 | 70         | 0.030 | 2.78 | 0.88     | 150 | 70         | 0.020 | 2.78 | 2.6       | 150 | 70         | 0.059 | 2.78 | 0.66     | 150 | 70         | 0.015 | 2.78 |
|              | 12C | 1220  | 1.2       | 150 | 70         | 0.027 | 2.78 | 0.79     | 150 | 70         | 0.018 | 2.78 | 2.4       | 150 | 70         | 0.053 | 2.78 | 0.59     | 150 | 70         | 0.013 | 2.78 |
|              | 14C | 1345  | 1.1       | 150 | 70         | 0.024 | 2.78 | 0.71     | 150 | 70         | 0.016 | 2.78 | 2.2       | 150 | 70         | 0.048 | 2.78 | 0.54     | 150 | 70         | 0.012 | 2.78 |
|              | 16C | 1635  | 0.89      | 150 | 69         | 0.020 | 2.78 | 0.59     | 150 | 69         | 0.013 | 2.78 | 1.8       | 150 | 69         | 0.040 | 2.78 | 0.44     | 150 | 69         | 0.010 | 2.78 |
|              | 18C | 1735  | 0.84      | 150 | 70         | 0.019 | 2.78 | 0.55     | 150 | 70         | 0.012 | 2.78 | 1.7       | 150 | 70         | 0.038 | 2.78 | 0.42     | 150 | 70         | 0.009 | 2.78 |
|              | 20C | 1916  | 0.76      | 150 | 69         | 0.017 | 2.78 | 0.50     | 150 | 69         | 0.011 | 2.78 | 1.5       | 150 | 69         | 0.034 | 2.78 | 0.38     | 150 | 69         | 0.009 | 2.78 |
|              | 22C | 2081  | 0.70      | 150 | 70         | 0.016 | 2.78 | 0.46     | 150 | 70         | 0.010 | 2.78 | 1.4       | 150 | 70         | 0.031 | 2.78 | 0.35     | 150 | 70         | 0.008 | 2.78 |
|              | 25C | 2426  | 0.60      | 150 | 70         | 0.013 | 2.78 | 0.40     | 150 | 70         | 0.009 | 2.78 | 1.2       | 150 | 70         | 0.027 | 2.78 | 0.30     | 150 | 70         | 0.007 | 2.78 |
|              | 28C | 2679  | 0.54      | 150 | 69         | 0.012 | 2.78 | 0.36     | 150 | 69         | 0.008 | 2.78 | 1.1       | 150 | 69         | 0.025 | 2.78 | 0.27     | 150 | 69         | 0.006 | 2.78 |
|              | 32C | 3246  | 0.45      | 150 | 70         | 0.010 | 2.78 | 0.30     | 150 | 70         | 0.007 | 2.78 | 0.89      | 150 | 70         | 0.020 | 2.78 | 0.22     | 150 | 70         | 0.005 | 2.78 |
|              | 36C | 3585  | 0.40      | 150 | 69         | 0.009 | 2.78 | 0.27     | 150 | 69         | 0.006 | 2.78 | 0.81      | 150 | 69         | 0.018 | 2.78 | 0.20     | 150 | 69         | 0.005 | 2.78 |
|              | 40C | 4109  | 0.35      | 150 | 69         | 0.008 | 2.78 | 0.23     | 150 | 69         | 0.005 | 2.78 | 0.71      | 150 | 69         | 0.016 | 2.78 | 0.18     | 150 | 69         | 0.004 | 2.78 |
|              | 45C | 4670  | 0.31      | 150 | 69         | 0.007 | 2.78 | 0.21     | 150 | 69         | 0.005 | 2.78 | 0.62      | 150 | 69         | 0.014 | 2.78 | 0.16     | 150 | 69         | 0.004 | 2.78 |
|              | 50C | 4978  | 0.29      | 150 | 68         | 0.007 | 2.78 | 0.19     | 150 | 68         | 0.004 | 2.78 | 0.58      | 150 | 68         | 0.013 | 2.78 | 0.15     | 150 | 68         | 0.003 | 2    |

# SERIES C

## RATINGS

**Key:** Pm= Input Power (kW)    M2= Output Torque (Nm)    i= Exact Ratio    n2= Output Speed (rpm)    Fra = Overhung load (kN)

|       |       |       | n1 = 1450 |     |       |       |      | n1 = 960 |     |       |       |      | n1 = 2900 |     |       |       |      | n1 = 725 |     |       |       |      |
|-------|-------|-------|-----------|-----|-------|-------|------|----------|-----|-------|-------|------|-----------|-----|-------|-------|------|----------|-----|-------|-------|------|
|       | in    | i     | n2        | M2  | η (%) | Pm    | Fra  | n2       | M2  | η (%) | Pm    | Fra  | n2        | M2  | η (%) | Pm    | Fra  | n2       | M2  | η (%) | Pm    | Fra  |
| C0421 | 8.0   | 8.591 | 169       | 137 | 85    | 2.85  | 5.27 | 112      | 150 | 84    | 2.09  | 5.27 | 338       | 110 | 86    | 4.52  | 5.27 | 84       | 159 | 83    | 1.69  | 5.27 |
|       | 11.   | 11.61 | 125       | 149 | 84    | 2.32  | 5.27 | 83       | 163 | 83    | 1.70  | 5.27 | 250       | 125 | 86    | 3.80  | 5.27 | 62       | 172 | 82    | 1.37  | 5.27 |
|       | 12.   | 13.20 | 110       | 154 | 84    | 2.11  | 5.27 | 73       | 167 | 82    | 1.55  | 5.27 | 220       | 131 | 86    | 3.50  | 5.27 | 55       | 177 | 81    | 1.26  | 5.27 |
|       | 14.   | 14.95 | 97        | 159 | 83    | 1.95  | 5.27 | 64       | 173 | 82    | 1.42  | 5.27 | 194       | 136 | 85    | 3.25  | 5.27 | 48       | 183 | 81    | 1.15  | 5.27 |
|       | 16.   | 16.36 | 89        | 144 | 75    | 1.78  | 5.27 | 59       | 158 | 73    | 1.33  | 5.27 | 177       | 114 | 77    | 2.75  | 5.27 | 44       | 168 | 72    | 1.08  | 5.27 |
|       | 18.   | 19.12 | 76        | 168 | 82    | 1.63  | 5.27 | 50       | 183 | 82    | 1.17  | 5.27 | 152       | 145 | 85    | 2.71  | 5.27 | 38       | 194 | 80    | 0.96  | 5.27 |
|       | 20.   | 20.61 | 70        | 171 | 82    | 1.54  | 5.27 | 47       | 187 | 81    | 1.13  | 5.27 | 141       | 148 | 84    | 2.60  | 5.27 | 35       | 198 | 80    | 0.91  | 5.27 |
|       | 22.   | 22.11 | 66        | 156 | 74    | 1.45  | 5.27 | 43       | 170 | 72    | 1.07  | 5.27 | 131       | 129 | 76    | 2.33  | 5.27 | 33       | 181 | 71    | 0.88  | 5.27 |
|       | 25.   | 25.14 | 58        | 161 | 73    | 1.33  | 5.27 | 38       | 175 | 71    | 0.99  | 5.27 | 115       | 135 | 76    | 2.15  | 5.27 | 29       | 186 | 70    | 0.80  | 5.27 |
|       | 28.   | 28.48 | 51        | 167 | 72    | 1.24  | 5.27 | 34       | 181 | 71    | 0.90  | 5.27 | 102       | 142 | 75    | 2.02  | 5.27 | 25       | 192 | 69    | 0.74  | 5.27 |
|       | 32.   | 33.71 | 43        | 192 | 80    | 1.08  | 5.27 | 28       | 209 | 79    | 0.79  | 5.27 | 86        | 167 | 83    | 1.81  | 5.27 | 22       | 207 | 78    | 0.60  | 5.27 |
|       | 36.   | 36.43 | 40        | 176 | 71    | 1.03  | 5.27 | 26       | 192 | 69    | 0.77  | 5.27 | 80        | 152 | 75    | 1.69  | 5.27 | 20       | 203 | 68    | 0.62  | 5.27 |
|       | 40.   | 39.26 | 37        | 179 | 71    | 0.98  | 5.27 | 24       | 196 | 69    | 0.73  | 5.27 | 74        | 155 | 74    | 1.62  | 5.27 | 18       | 208 | 68    | 0.59  | 5.27 |
|       | 45.   | 45.50 | 32        | 206 | 79    | 0.87  | 5.27 | 21       | 207 | 78    | 0.59  | 5.27 | 64        | 179 | 82    | 1.46  | 5.27 | 16       | 205 | 77    | 0.44  | 5.27 |
|       | 50.   | 53.31 | 27        | 209 | 79    | 0.75  | 5.27 | 18       | 206 | 78    | 0.50  | 5.27 | 54        | 185 | 81    | 1.30  | 5.27 | 14       | 204 | 77    | 0.38  | 5.27 |
|       | 56.   | 56.19 | 26        | 196 | 69    | 0.77  | 5.27 | 17       | 213 | 67    | 0.57  | 5.27 | 52        | 171 | 72    | 1.28  | 5.27 | 13       | 227 | 66    | 0.46  | 5.27 |
|       | 63.   | 64.21 | 23        | 202 | 68    | 0.70  | 5.27 | 15       | 220 | 67    | 0.51  | 5.27 | 45        | 176 | 72    | 1.16  | 5.27 | 11       | 238 | 66    | 0.43  | 5.27 |
|       | 71.   | 74.55 | 19        | 206 | 77    | 0.54  | 5.27 | 13       | 203 | 76    | 0.36  | 5.27 | 39        | 211 | 80    | 1.07  | 5.27 | 10       | 201 | 76    | 0.27  | 5.27 |
|       | 80.   | 82.83 | 18        | 192 | 77    | 0.46  | 5.27 | 12       | 189 | 76    | 0.30  | 5.27 | 35        | 197 | 79    | 0.91  | 5.27 | 8.8      | 187 | 75    | 0.23  | 5.27 |
|       | 90.   | 86.67 | 17        | 227 | 67    | 0.59  | 5.27 | 11       | 247 | 65    | 0.44  | 5.27 | 33        | 199 | 70    | 1.00  | 5.27 | 8.4      | 263 | 64    | 0.36  | 5.27 |
|       | 100   | 101.5 | 14        | 234 | 66    | 0.53  | 5.27 | 9.5      | 255 | 65    | 0.39  | 5.27 | 29        | 204 | 69    | 0.88  | 5.27 | 7.1      | 277 | 64    | 0.32  | 5.27 |
|       | 112   | 114.3 | 13        | 130 | 76    | 0.23  | 5.27 | 8.4      | 129 | 75    | 0.15  | 5.27 | 25        | 134 | 78    | 0.46  | 5.27 | 6.3      | 127 | 74    | 0.11  | 5.27 |
|       | 125   | 129.0 | 11        | 128 | 76    | 0.20  | 5.27 | 7.4      | 126 | 74    | 0.13  | 5.27 | 22        | 131 | 78    | 0.40  | 5.27 | 5.6      | 125 | 74    | 0.10  | 5.27 |
|       | 140   | 142.0 | 10        | 252 | 65    | 0.41  | 5.27 | 6.8      | 278 | 63    | 0.31  | 5.27 | 20        | 218 | 68    | 0.69  | 5.27 | 5.1      | 278 | 62    | 0.24  | 5.27 |
|       | 160   | 157.8 | 9.2       | 257 | 64    | 0.39  | 5.27 | 6.1      | 278 | 63    | 0.28  | 5.27 | 18        | 223 | 67    | 0.64  | 5.27 | 4.6      | 278 | 62    | 0.22  | 5.27 |
| 212   | 217.8 | 6.7   | 206       | 63  | 0.23  | 5.27  | 4.4  | 201      | 61  | 0.15  | 5.27  | 13   | 214       | 65  | 0.46  | 5.27  | 3.3  | 198      | 61  | 0.11  | 5.27  |      |
| 250   | 247.5 | 5.9   | 201       | 63  | 0.20  | 5.27  | 3.9  | 196      | 61  | 0.13  | 5.27  | 12   | 209       | 65  | 0.39  | 5.27  | 2.9  | 194      | 60  | 0.099 | 5.27  |      |
| C0431 | 100   | 105.4 | 14        | 204 | 76    | 0.39  | 5.27 | 9.1      | 201 | 75    | 0.26  | 5.27 | 28        | 209 | 77    | 0.78  | 5.27 | 6.9      | 199 | 74    | 0.19  | 5.27 |
|       | 118   | 120.4 | 12        | 203 | 75    | 0.34  | 5.27 | 8.0      | 200 | 74    | 0.23  | 5.27 | 24        | 208 | 77    | 0.68  | 5.27 | 6.0      | 198 | 73    | 0.17  | 5.27 |
|       | 132   | 130.1 | 11        | 239 | 64    | 0.44  | 5.27 | 7.4      | 274 | 63    | 0.34  | 5.27 | 22        | 197 | 66    | 0.70  | 5.27 | 5.6      | 278 | 62    | 0.26  | 5.27 |
|       | 150   | 140.2 | 10        | 245 | 64    | 0.41  | 5.27 | 6.8      | 278 | 63    | 0.32  | 5.27 | 21        | 200 | 66    | 0.66  | 5.27 | 5.2      | 278 | 62    | 0.24  | 5.27 |
|       | 160   | 162.5 | 8.9       | 201 | 75    | 0.25  | 5.27 | 5.9      | 198 | 73    | 0.17  | 5.27 | 18        | 206 | 76    | 0.51  | 5.27 | 4.5      | 197 | 73    | 0.13  | 5.27 |
|       | 180   | 190.4 | 7.6       | 200 | 74    | 0.22  | 5.27 | 5.0      | 197 | 73    | 0.14  | 5.27 | 15        | 205 | 76    | 0.43  | 5.27 | 3.8      | 196 | 72    | 0.11  | 5.27 |
|       | 200   | 200.7 | 7.2       | 276 | 63    | 0.33  | 5.27 | 4.8      | 278 | 61    | 0.23  | 5.27 | 14        | 219 | 64    | 0.52  | 5.27 | 3.6      | 278 | 60    | 0.18  | 5.27 |
|       | 225   | 229.3 | 6.3       | 278 | 62    | 0.30  | 5.27 | 4.2      | 278 | 61    | 0.20  | 5.27 | 13        | 229 | 64    | 0.47  | 5.27 | 3.2      | 278 | 60    | 0.15  | 5.27 |
|       | 265   | 266.2 | 5.4       | 198 | 73    | 0.15  | 5.27 | 3.6      | 195 | 72    | 0.10  | 5.27 | 11        | 202 | 74    | 0.31  | 5.27 | 2.7      | 194 | 72    | 0.08  | 5.27 |
|       | 280   | 295.8 | 4.9       | 197 | 73    | 0.14  | 5.27 | 3.2      | 195 | 72    | 0.09  | 5.27 | 10        | 201 | 74    | 0.28  | 5.27 | 2.5      | 194 | 72    | 0.07  | 5.27 |
|       | 315   | 309.5 | 4.7       | 278 | 61    | 0.22  | 5.27 | 3.1      | 278 | 60    | 0.15  | 5.27 | 9.4       | 253 | 63    | 0.39  | 5.27 | 2.3      | 278 | 59    | 0.12  | 5.27 |
|       | 360   | 362.6 | 4.0       | 278 | 61    | 0.19  | 5.27 | 2.6      | 278 | 59    | 0.13  | 5.27 | 8.0       | 267 | 63    | 0.35  | 5.27 | 2.0      | 278 | 59    | 0.10  | 5.27 |
|       | 400   | 408.3 | 3.6       | 195 | 72    | 0.10  | 5.27 | 2.4      | 193 | 71    | 0.067 | 5.27 | 7.1       | 199 | 73    | 0.20  | 5.27 | 1.8      | 192 | 71    | 0.050 | 5.27 |
|       | 450   | 464.1 | 3.1       | 195 | 72    | 0.089 | 5.27 | 2.1      | 193 | 71    | 0.059 | 5.27 | 6.2       | 199 | 73    | 0.18  | 5.27 | 1.6      | 192 | 71    | 0.044 | 5.27 |
|       | 500   | 507.1 | 2.9       | 278 | 59    | 0.141 | 5.27 | 1.9      | 278 | 59    | 0.093 | 5.27 | 5.7       | 278 | 61    | 0.27  | 5.27 | 1.4      | 278 | 58    | 0.072 | 5.27 |
| 560   | 563.5 | 2.6   | 278       | 59  | 0.127 | 5.27  | 1.7  | 278      | 58  | 0.086 | 5.27  | 5.1  | 278       | 61  | 0.25  | 5.27  | 1.3  | 278      | 58  | 0.065 | 5.27  |      |
| 800   | 777.8 | 1.9   | 278       | 58  | 0.094 | 5.27  | 1.2  | 278      | 57  | 0.063 | 5.27  | 3.7  | 278       | 60  | 0.18  | 5.27  | 0.93 | 278      | 57  | 0.048 | 5.27  |      |
| 900   | 883.9 | 1.6   | 278       | 58  | 0.082 | 5.27  | 1.1  | 278      | 57  | 0.055 | 5.27  | 3.3  | 278       | 60  | 0.16  | 5.27  | 0.82 | 278      | 57  | 0.042 | 5.27  |      |
| C0441 | 10C   | 960   | 1.5       | 208 | 71    | 0.046 | 5.27 | 1.0      | 208 | 71    | 0.031 | 5.27 | 3.0       | 208 | 71    | 0.093 | 5.27 | 0.76     | 208 | 71    | 0.023 | 5.27 |
|       | 11C   | 1097  | 1.3       | 208 | 71    | 0.041 | 5.27 | 0.88     | 208 | 71    | 0.027 | 5.27 | 2.6       | 208 | 71    | 0.081 | 5.27 | 0.66     | 208 | 71    | 0.020 | 5.27 |
|       | 12C   | 1220  | 1.2       | 208 | 71    | 0.036 | 5.27 | 0.79     | 208 | 71    | 0.024 | 5.27 | 2.4       | 208 | 71    | 0.073 | 5.27 | 0.59     | 208 | 71    | 0.018 | 5.27 |
|       | 14C   | 1345  | 1.1       | 206 | 70    | 0.033 | 5.27 | 0.71     | 206 | 70    | 0.022 | 5.27 | 2.2       | 206 | 70    | 0.066 | 5.27 | 0.54     | 206 | 70    | 0.017 | 5.27 |
|       | 16C   | 1635  | 0.89      | 192 | 70    | 0.025 | 5.27 | 0.59     | 192 | 70    | 0.017 | 5.27 | 1.8       | 192 | 70    | 0.051 | 5.27 | 0.44     | 192 | 70    | 0.013 | 5.27 |
|       | 18C   | 1735  | 0.84      | 206 | 70    | 0.026 | 5.27 | 0.55     | 206 | 70    | 0.017 | 5.27 | 1.7       | 206 | 70    | 0.052 | 5.27 | 0.42     | 206 | 70    | 0.013 | 5.27 |
|       | 20C   | 1916  | 0.76      | 192 | 70    | 0.022 | 5.27 | 0.50     | 192 | 70    | 0.014 | 5.27 | 1.5       | 192 | 70    | 0.043 | 5.27 | 0.38     | 192 | 70    | 0.011 | 5.27 |
|       | 22C   | 2081  | 0.70      | 206 | 70    | 0.021 | 5.27 | 0.46     | 206 | 70    | 0.014 | 5.27 | 1.4       | 206 | 70    | 0.043 | 5.27 | 0.35     | 206 | 70    | 0.011 | 5.27 |
|       | 25C   | 2426  | 0.60      | 206 | 70    | 0.018 | 5.27 | 0.40     | 206 | 70    | 0.012 | 5.27 | 1.2       | 206 | 70    | 0.037 | 5.27 | 0.30     | 206 | 70    | 0.009 | 5.27 |
|       | 28C   | 2679  | 0.54      | 192 | 70    | 0.016 | 5.27 | 0.36     | 192 | 70    | 0.010 | 5.27 | 1.1       | 192 | 70    | 0.031 | 5.27 | 0.27     | 192 | 70    | 0.008 | 5.27 |
|       | 32C   | 3246  | 0.45      | 206 | 70    | 0.014 |      |          |     |       |       |      |           |     |       |       |      |          |     |       |       |      |

# SERIES C

## RATINGS

**Key:** Pm= Input Power (kW)    M2= Output Torque (Nm)    i= Exact Ratio    n2= Output Speed (rpm)    Fra = Overhung load (kN)

|       |       |       | n1 = 1450 |     |       |       |      | n1 = 960 |     |       |       |      | n1 = 2900 |     |       |       |      | n1 = 725 |     |       |       |      |
|-------|-------|-------|-----------|-----|-------|-------|------|----------|-----|-------|-------|------|-----------|-----|-------|-------|------|----------|-----|-------|-------|------|
|       | in    | i     | n2        | M2  | η (%) | Pm    | Fra  | n2       | M2  | η (%) | Pm    | Fra  | n2        | M2  | η (%) | Pm    | Fra  | n2       | M2  | η (%) | Pm    | Fra  |
| C0521 | 8.0   | 8.31  | 174       | 209 | 88    | 4.34  | 7.41 | 115      | 243 | 85    | 3.46  | 7.41 | 349       | 154 | 87    | 6.47  | 7.41 | 87       | 241 | 85    | 2.59  | 7.41 |
|       | 11.   | 11.66 | 124       | 238 | 86    | 3.60  | 7.41 | 82       | 277 | 85    | 2.81  | 7.41 | 249       | 179 | 87    | 5.36  | 7.41 | 62       | 306 | 84    | 2.37  | 7.41 |
|       | 12.   | 12.85 | 113       | 247 | 85    | 3.43  | 7.41 | 75       | 287 | 84    | 2.67  | 7.41 | 226       | 187 | 87    | 5.08  | 7.41 | 56       | 316 | 84    | 2.22  | 7.41 |
|       | 14.   | 14.59 | 99        | 259 | 85    | 3.17  | 7.41 | 66       | 300 | 84    | 2.46  | 7.41 | 199       | 197 | 87    | 4.71  | 7.41 | 50       | 329 | 83    | 2.06  | 7.41 |
|       | 16.   | 16.09 | 90        | 320 | 78    | 3.87  | 7.41 | 60       | 348 | 76    | 2.86  | 7.41 | 180       | 250 | 81    | 5.82  | 7.41 | 45       | 367 | 75    | 2.31  | 7.41 |
|       | 18.   | 18.53 | 78        | 282 | 84    | 2.75  | 7.41 | 52       | 325 | 83    | 2.12  | 7.41 | 157       | 218 | 86    | 4.15  | 7.41 | 39       | 355 | 82    | 1.77  | 7.41 |
|       | 20.   | 21.05 | 69        | 295 | 84    | 2.53  | 7.41 | 46       | 338 | 82    | 1.97  | 7.41 | 138       | 229 | 86    | 3.84  | 7.41 | 34       | 370 | 82    | 1.63  | 7.41 |
|       | 22.   | 22.56 | 64        | 345 | 77    | 3.02  | 7.41 | 43       | 372 | 74    | 2.24  | 7.41 | 129       | 287 | 79    | 4.89  | 7.41 | 32       | 393 | 73    | 1.81  | 7.41 |
|       | 25.   | 24.86 | 58        | 352 | 76    | 2.83  | 7.41 | 39       | 380 | 74    | 2.08  | 7.41 | 117       | 298 | 79    | 4.61  | 7.41 | 29       | 401 | 72    | 1.70  | 7.41 |
|       | 28.   | 28.24 | 51        | 362 | 75    | 2.60  | 7.41 | 34       | 389 | 73    | 1.90  | 7.41 | 103       | 311 | 79    | 4.23  | 7.41 | 26       | 411 | 72    | 1.53  | 7.41 |
|       | 32.   | 32.55 | 45        | 341 | 82    | 1.94  | 7.41 | 29       | 387 | 81    | 1.48  | 7.41 | 89        | 270 | 85    | 2.96  | 7.41 | 22       | 408 | 81    | 1.17  | 7.41 |
|       | 36.   | 35.86 | 40        | 378 | 74    | 2.16  | 7.41 | 27       | 409 | 72    | 1.59  | 7.41 | 81        | 331 | 77    | 3.64  | 7.41 | 20       | 431 | 71    | 1.29  | 7.41 |
|       | 40.   | 40.74 | 36        | 388 | 73    | 1.98  | 7.41 | 24       | 420 | 71    | 1.46  | 7.41 | 71        | 341 | 77    | 3.30  | 7.41 | 18       | 443 | 70    | 1.18  | 7.41 |
|       | 45.   | 46.84 | 31        | 382 | 81    | 1.53  | 7.41 | 20       | 406 | 80    | 1.09  | 7.41 | 62        | 306 | 83    | 2.39  | 7.41 | 15       | 402 | 79    | 0.825 | 7.41 |
|       | 50.   | 50.93 | 28        | 391 | 81    | 1.44  | 7.41 | 19       | 405 | 80    | 0.999 | 7.41 | 57        | 315 | 83    | 2.26  | 7.41 | 14.2     | 401 | 79    | 0.757 | 7.41 |
|       | 56.   | 55.45 | 26        | 415 | 72    | 1.58  | 7.41 | 17       | 449 | 70    | 1.16  | 7.41 | 52        | 368 | 75    | 2.69  | 7.41 | 13.1     | 474 | 69    | 0.941 | 7.41 |
|       | 63.   | 63.00 | 23        | 427 | 71    | 1.45  | 7.41 | 15       | 461 | 69    | 1.07  | 7.41 | 46        | 378 | 74    | 2.46  | 7.41 | 11.5     | 482 | 68    | 0.854 | 7.41 |
|       | 71.   | 73.37 | 20        | 406 | 79    | 1.06  | 7.41 | 13       | 400 | 78    | 0.703 | 7.41 | 40        | 354 | 81    | 1.81  | 7.41 | 9.9      | 396 | 78    | 0.525 | 7.41 |
|       | 80.   | 82.67 | 18        | 404 | 79    | 0.94  | 7.41 | 12       | 398 | 78    | 0.620 | 7.41 | 35        | 367 | 81    | 1.66  | 7.41 | 8.8      | 395 | 77    | 0.471 | 7.41 |
|       | 90.   | 90.67 | 16        | 478 | 70    | 1.14  | 7.41 | 11       | 482 | 68    | 0.786 | 7.41 | 32        | 424 | 72    | 1.97  | 7.41 | 8.0      | 482 | 66    | 0.611 | 7.41 |
|       | 100   | 98.57 | 15        | 482 | 69    | 1.08  | 7.41 | 9.7      | 482 | 67    | 0.734 | 7.41 | 29        | 429 | 72    | 1.84  | 7.41 | 7.4      | 482 | 66    | 0.562 | 7.41 |
|       | 112   | 109.1 | 13        | 393 | 78    | 0.701 | 7.41 | 8.8      | 388 | 77    | 0.464 | 7.41 | 27        | 399 | 81    | 1.37  | 7.41 | 6.6      | 384 | 77    | 0.347 | 7.41 |
|       | 125   | 124.0 | 12        | 386 | 78    | 0.606 | 7.41 | 7.7      | 381 | 77    | 0.401 | 7.41 | 23        | 391 | 80    | 1.20  | 7.41 | 5.8      | 378 | 76    | 0.305 | 7.41 |
|       | 140   | 142.0 | 10        | 482 | 67    | 0.769 | 7.41 | 6.8      | 482 | 65    | 0.525 | 7.41 | 20        | 455 | 70    | 1.39  | 7.41 | 5.1      | 482 | 65    | 0.396 | 7.41 |
|       | 160   | 160.0 | 9.1       | 482 | 67    | 0.683 | 7.41 | 6.0      | 482 | 65    | 0.466 | 7.41 | 18        | 466 | 70    | 1.26  | 7.41 | 4.5      | 482 | 64    | 0.357 | 7.41 |
|       | 212   | 211.1 | 6.9       | 482 | 66    | 0.525 | 7.41 | 4.5      | 482 | 64    | 0.359 | 7.41 | 14        | 482 | 68    | 1.02  | 7.41 | 3.4      | 482 | 63    | 0.275 | 7.41 |
|       | 250   | 240.0 | 6.0       | 482 | 65    | 0.469 | 7.41 | 4.0      | 482 | 63    | 0.320 | 7.41 | 12        | 482 | 68    | 0.897 | 7.41 | 3.0      | 482 | 63    | 0.242 | 7.41 |
| C0531 | 100   | 103.9 | 14        | 401 | 78    | 0.751 | 7.41 | 9.2      | 395 | 77    | 0.496 | 7.41 | 28        | 393 | 79    | 1.454 | 7.41 | 7.0      | 392 | 76    | 0.377 | 7.41 |
|       | 118   | 118.7 | 12        | 399 | 77    | 0.663 | 7.41 | 8.1      | 394 | 77    | 0.433 | 7.41 | 24        | 408 | 79    | 1.321 | 7.41 | 6.1      | 390 | 76    | 0.328 | 7.41 |
|       | 132   | 130.4 | 11        | 482 | 67    | 0.838 | 7.41 | 7.4      | 482 | 65    | 0.572 | 7.41 | 22        | 413 | 69    | 1.394 | 7.41 | 5.6      | 482 | 64    | 0.438 | 7.41 |
|       | 150   | 140.5 | 10        | 482 | 66    | 0.789 | 7.41 | 6.8      | 482 | 65    | 0.531 | 7.41 | 21        | 419 | 69    | 1.312 | 7.41 | 5.2      | 482 | 64    | 0.407 | 7.41 |
|       | 160   | 160.3 | 9.0       | 395 | 77    | 0.486 | 7.41 | 6.0      | 390 | 76    | 0.322 | 7.41 | 18        | 405 | 78    | 0.984 | 7.41 | 4.5      | 387 | 75    | 0.244 | 7.41 |
|       | 180   | 187.8 | 7.7       | 393 | 76    | 0.418 | 7.41 | 5.1      | 388 | 75    | 0.277 | 7.41 | 15        | 402 | 78    | 0.833 | 7.41 | 3.9      | 386 | 75    | 0.208 | 7.41 |
|       | 200   | 201.1 | 7.2       | 482 | 65    | 0.560 | 7.41 | 4.8      | 482 | 64    | 0.376 | 7.41 | 14        | 453 | 68    | 1.006 | 7.41 | 3.6      | 482 | 63    | 0.289 | 7.41 |
|       | 225   | 229.8 | 6.3       | 482 | 65    | 0.490 | 7.41 | 4.2      | 482 | 63    | 0.335 | 7.41 | 13        | 471 | 67    | 0.929 | 7.41 | 3.2      | 482 | 62    | 0.257 | 7.41 |
|       | 265   | 262.6 | 5.5       | 389 | 75    | 0.300 | 7.41 | 3.7      | 385 | 74    | 0.199 | 7.41 | 11        | 398 | 77    | 0.598 | 7.41 | 2.8      | 382 | 74    | 0.149 | 7.41 |
|       | 280   | 291.8 | 5.0       | 388 | 75    | 0.269 | 7.41 | 3.3      | 385 | 74    | 0.179 | 7.41 | 9.9       | 396 | 76    | 0.542 | 7.41 | 2.5      | 381 | 73    | 0.136 | 7.41 |
|       | 315   | 310.2 | 4.7       | 482 | 63    | 0.374 | 7.41 | 3.1      | 482 | 62    | 0.252 | 7.41 | 9.3       | 482 | 66    | 0.715 | 7.41 | 2.3      | 482 | 61    | 0.193 | 7.41 |
|       | 360   | 363.4 | 4.0       | 482 | 63    | 0.320 | 7.41 | 2.6      | 482 | 62    | 0.215 | 7.41 | 8.0       | 482 | 65    | 0.620 | 7.41 | 2.0      | 482 | 61    | 0.165 | 7.41 |
|       | 400   | 402.7 | 3.6       | 385 | 74    | 0.196 | 7.41 | 2.4      | 381 | 74    | 0.129 | 7.41 | 7.2       | 392 | 75    | 0.394 | 7.41 | 1.8      | 379 | 73    | 0.098 | 7.41 |
|       | 450   | 457.7 | 3.2       | 384 | 74    | 0.172 | 7.41 | 2.1      | 380 | 73    | 0.114 | 7.41 | 6.3       | 391 | 75    | 0.346 | 7.41 | 1.6      | 377 | 73    | 0.086 | 7.41 |
|       | 500   | 508.2 | 2.9       | 482 | 62    | 0.232 | 7.41 | 1.9      | 482 | 61    | 0.156 | 7.41 | 5.7       | 482 | 64    | 0.450 | 7.41 | 1.4      | 482 | 60    | 0.120 | 7.41 |
|       | 560   | 564.7 | 2.6       | 482 | 61    | 0.212 | 7.41 | 1.7      | 482 | 60    | 0.143 | 7.41 | 5.1       | 482 | 63    | 0.411 | 7.41 | 1.3      | 482 | 59    | 0.110 | 7.41 |
|       | 800   | 779.4 | 1.9       | 482 | 61    | 0.154 | 7.41 | 1.2      | 482 | 60    | 0.104 | 7.41 | 3.7       | 482 | 62    | 0.303 | 7.41 | 0.93     | 482 | 59    | 0.080 | 7.41 |
| 900   | 885.8 | 1.6   | 482       | 60  | 0.138 | 7.41  | 1.1  | 482      | 59  | 0.093 | 7.41  | 3.3  | 482       | 62  | 0.267 | 7.41  | 0.82 | 482      | 59  | 0.070 | 7.41  |      |
| C0541 | 10C   | 945   | 1.5       | 406 | 73    | 0.089 | 7.41 | 1.0      | 406 | 73    | 0.059 | 7.41 | 3.1       | 406 | 73    | 0.179 | 7.41 | 0.77     | 406 | 73    | 0.045 | 7.41 |
|       | 11C   | 1080  | 1.3       | 406 | 73    | 0.078 | 7.41 | 0.89     | 406 | 73    | 0.052 | 7.41 | 2.7       | 406 | 73    | 0.156 | 7.41 | 0.67     | 406 | 73    | 0.039 | 7.41 |
|       | 12C   | 1201  | 1.2       | 406 | 73    | 0.070 | 7.41 | 0.80     | 406 | 73    | 0.047 | 7.41 | 2.4       | 406 | 73    | 0.141 | 7.41 | 0.60     | 406 | 73    | 0.035 | 7.41 |
|       | 14C   | 1324  | 1.1       | 406 | 73    | 0.064 | 7.41 | 0.73     | 406 | 73    | 0.042 | 7.41 | 2.2       | 406 | 73    | 0.128 | 7.41 | 0.55     | 406 | 73    | 0.032 | 7.41 |
|       | 16C   | 1642  | 0.88      | 404 | 72    | 0.052 | 7.41 | 0.58     | 404 | 72    | 0.034 | 7.41 | 1.8       | 404 | 72    | 0.104 | 7.41 | 0.44     | 404 | 72    | 0.026 | 7.41 |
|       | 18C   | 1707  | 0.85      | 406 | 73    | 0.049 | 7.41 | 0.56     | 406 | 73    | 0.033 | 7.41 | 1.7       | 406 | 73    | 0.099 | 7.41 | 0.42     | 406 | 73    | 0.025 | 7.41 |
|       | 20C   | 1924  | 0.75      | 404 | 72    | 0.044 | 7.41 | 0.50     | 404 | 72    | 0.029 | 7.41 | 1.5       | 404 | 72    | 0.089 | 7.41 | 0.38     | 404 | 72    | 0.022 | 7.41 |
|       | 22C   | 2048  | 0.71      | 406 | 73    | 0.041 | 7.41 | 0.47     | 406 | 73    | 0.027 | 7.41 | 1.4       | 406 | 73    | 0.082 | 7.41 | 0.35     | 406 | 73    | 0.021 | 7.41 |
|       | 25C   | 2387  | 0.61      | 406 | 73    | 0.035 | 7.41 | 0.40     | 406 | 73    | 0.023 | 7.41 | 1.2       | 406 | 73    | 0.071 | 7.41 | 0.30     | 406 | 73    | 0.018 | 7.41 |
|       | 28C   | 2690  | 0.54      | 404 | 72    | 0.032 | 7.41 | 0.36     | 404 | 72    | 0.021 | 7.41 | 1.1       | 404 | 72    | 0.063 | 7.41 |          |     |       |       |      |

# SERIES C

## RATINGS

**Key:** Pm= Input Power (kW)    M2= Output Torque (Nm)    i= Exact Ratio    n2= Output Speed (rpm)    Fra = Overhung load (kN)

|       |     |       | n1 = 1450 |     |       |       |      | n1 = 960 |     |       |       |      | n1 = 2900 |     |       |       |      | n1 = 725 |     |       |       |      |
|-------|-----|-------|-----------|-----|-------|-------|------|----------|-----|-------|-------|------|-----------|-----|-------|-------|------|----------|-----|-------|-------|------|
|       | in  | i     | n2        | M2  | η (%) | Pm    | Fra  | n2       | M2  | η (%) | Pm    | Fra  | n2        | M2  | η (%) | Pm    | Fra  | n2       | M2  | η (%) | Pm    | Fra  |
| C0621 | 8.0 | 8.2   | 176       | 372 | 90    | 7.62  | 11.4 | 117      | 439 | 90    | 5.96  | 11.4 | 352       | 273 | 90    | 11.19 | 11.4 | 88.1     | 487 | 89    | 5.05  | 11.4 |
|       | 11. | 11.6  | 125       | 427 | 89    | 6.30  | 11.4 | 83.0     | 498 | 89    | 4.86  | 11.4 | 251       | 319 | 90    | 9.30  | 11.4 | 62.7     | 550 | 88    | 4.10  | 11.4 |
|       | 12. | 13.0  | 112       | 446 | 89    | 5.87  | 11.4 | 74.0     | 519 | 88    | 4.57  | 11.4 | 224       | 336 | 90    | 8.74  | 11.4 | 55.9     | 572 | 88    | 3.80  | 11.4 |
|       | 14. | 14.6  | 99.6      | 466 | 89    | 5.46  | 11.4 | 65.9     | 540 | 88    | 4.24  | 11.4 | 199       | 353 | 90    | 8.18  | 11.4 | 49.8     | 595 | 87    | 3.57  | 11.4 |
|       | 16. | 15.9  | 91.0      | 517 | 82    | 6.01  | 11.4 | 60.3     | 582 | 80    | 4.59  | 11.4 | 182       | 389 | 82    | 9.04  | 11.4 | 45.5     | 613 | 79    | 3.70  | 11.4 |
|       | 18. | 18.5  | 78.4      | 508 | 88    | 4.74  | 11.4 | 51.9     | 587 | 87    | 3.67  | 11.4 | 157       | 390 | 89    | 7.20  | 11.4 | 39.2     | 644 | 87    | 3.04  | 11.4 |
|       | 20. | 21.0  | 69.2      | 531 | 88    | 4.37  | 11.4 | 45.8     | 612 | 87    | 3.37  | 11.4 | 138       | 410 | 89    | 6.67  | 11.4 | 34.6     | 670 | 86    | 2.82  | 11.4 |
|       | 22. | 22.4  | 64.7      | 579 | 81    | 4.85  | 11.4 | 42.9     | 624 | 79    | 3.54  | 11.4 | 129       | 450 | 82    | 7.44  | 11.4 | 32.4     | 655 | 78    | 2.85  | 11.4 |
|       | 25. | 25.1  | 57.7      | 594 | 80    | 4.49  | 11.4 | 38.2     | 636 | 78    | 3.26  | 11.4 | 115       | 471 | 82    | 6.95  | 11.4 | 28.9     | 671 | 77    | 2.63  | 11.4 |
|       | 28. | 28.2  | 51.5      | 611 | 80    | 4.12  | 11.4 | 34.1     | 652 | 78    | 2.98  | 11.4 | 103       | 493 | 81    | 6.56  | 11.4 | 25.7     | 688 | 77    | 2.41  | 11.4 |
|       | 32. | 33.5  | 43.3      | 623 | 87    | 3.25  | 11.4 | 28.7     | 709 | 86    | 2.48  | 11.4 | 86.6      | 490 | 88    | 5.05  | 11.4 | 21.7     | 766 | 85    | 2.04  | 11.4 |
|       | 36. | 35.8  | 40.5      | 637 | 78    | 3.46  | 11.4 | 26.8     | 686 | 76    | 2.54  | 11.4 | 81.0      | 541 | 81    | 5.67  | 11.4 | 20.3     | 724 | 75    | 2.05  | 11.4 |
|       | 40. | 40.6  | 35.7      | 651 | 78    | 3.12  | 11.4 | 23.7     | 705 | 76    | 2.30  | 11.4 | 71.5      | 567 | 81    | 5.24  | 11.4 | 17.9     | 743 | 75    | 1.85  | 11.4 |
|       | 45. | 47.3  | 30.6      | 695 | 86    | 2.59  | 11.4 | 20.3     | 766 | 85    | 1.91  | 11.4 | 61.3      | 554 | 87    | 4.09  | 11.4 | 15.3     | 766 | 84    | 1.46  | 11.4 |
|       | 50. | 50.5  | 28.7      | 709 | 86    | 2.48  | 11.4 | 19.0     | 766 | 84    | 1.81  | 11.4 | 57.4      | 567 | 87    | 3.92  | 11.4 | 14.4     | 766 | 83    | 1.39  | 11.4 |
|       | 56. | 55.7  | 26.0      | 698 | 76    | 2.50  | 11.4 | 17.2     | 755 | 74    | 1.84  | 11.4 | 52.1      | 623 | 79    | 4.30  | 11.4 | 13.0     | 766 | 73    | 1.43  | 11.4 |
|       | 63. | 64.8  | 22.4      | 721 | 75    | 2.25  | 11.4 | 14.8     | 766 | 73    | 1.63  | 11.4 | 44.8      | 642 | 79    | 3.81  | 11.4 | 11.2     | 766 | 72    | 1.25  | 11.4 |
|       | 71. | 73.9  | 19.6      | 766 | 84    | 1.87  | 11.4 | 13.0     | 766 | 83    | 1.26  | 11.4 | 39.2      | 644 | 86    | 3.08  | 11.4 | 9.8      | 766 | 82    | 0.959 | 11.4 |
|       | 80. | 80.9  | 17.9      | 766 | 84    | 1.71  | 11.4 | 11.9     | 766 | 83    | 1.15  | 11.4 | 35.8      | 663 | 86    | 2.89  | 11.4 | 9.0      | 766 | 82    | 0.876 | 11.4 |
|       | 90. | 91.6  | 15.8      | 766 | 74    | 1.72  | 11.4 | 10.5     | 766 | 72    | 1.17  | 11.4 | 31.7      | 720 | 77    | 3.10  | 11.4 | 7.9      | 766 | 70    | 0.907 | 11.4 |
|       | 100 | 97.8  | 14.8      | 766 | 73    | 1.63  | 11.4 | 9.8      | 766 | 72    | 1.09  | 11.4 | 29.7      | 726 | 77    | 2.93  | 11.4 | 7.4      | 766 | 70    | 0.850 | 11.4 |
|       | 112 | 110.6 | 13.1      | 748 | 83    | 1.24  | 11.4 | 8.7      | 739 | 82    | 0.819 | 11.4 | 26.2      | 728 | 85    | 2.35  | 11.4 | 6.6      | 733 | 81    | 0.621 | 11.4 |
|       | 125 | 124.0 | 11.7      | 530 | 82    | 0.791 | 11.4 | 7.7      | 523 | 81    | 0.523 | 11.4 | 23.4      | 541 | 84    | 1.58  | 11.4 | 5.8      | 519 | 80    | 0.397 | 11.4 |
|       | 140 | 143.1 | 10.1      | 766 | 71    | 1.14  | 11.4 | 6.7      | 766 | 69    | 0.780 | 11.4 | 20.3      | 766 | 75    | 2.17  | 11.4 | 5.1      | 766 | 68    | 0.598 | 11.4 |
|       | 160 | 156.7 | 9.3       | 766 | 71    | 1.05  | 11.4 | 6.1      | 766 | 69    | 0.712 | 11.4 | 18.5      | 766 | 74    | 2.01  | 11.4 | 4.6      | 766 | 68    | 0.546 | 11.4 |
|       | 212 | 214.0 | 6.8       | 766 | 69    | 0.788 | 11.4 | 4.5      | 766 | 68    | 0.529 | 11.4 | 13.6      | 766 | 72    | 1.51  | 11.4 | 3.4      | 766 | 66    | 0.412 | 11.4 |
|       | 250 | 240.0 | 6.0       | 766 | 69    | 0.702 | 11.4 | 4.0      | 766 | 67    | 0.479 | 11.4 | 12.1      | 766 | 72    | 1.35  | 11.4 | 3.0      | 766 | 66    | 0.367 | 11.4 |
| C0631 | 100 | 103.9 | 14.0      | 766 | 82    | 1.37  | 11.4 | 9.2      | 766 | 81    | 0.915 | 11.4 | 27.9      | 715 | 84    | 2.49  | 11.4 | 7.0      | 766 | 81    | 0.69  | 11.4 |
|       | 118 | 118.0 | 12.3      | 766 | 82    | 1.20  | 11.4 | 8.1      | 766 | 81    | 0.806 | 11.4 | 24.6      | 742 | 84    | 2.27  | 11.4 | 6.1      | 766 | 80    | 0.62  | 11.4 |
|       | 132 | 130.0 | 11.2      | 766 | 71    | 1.26  | 11.4 | 7.4      | 766 | 69    | 0.858 | 11.4 | 22.3      | 695 | 73    | 2.22  | 11.4 | 5.6      | 766 | 68    | 0.66  | 11.4 |
|       | 150 | 147.7 | 9.8       | 766 | 70    | 1.12  | 11.4 | 6.5      | 766 | 69    | 0.756 | 11.4 | 19.6      | 712 | 73    | 2.01  | 11.4 | 4.9      | 766 | 68    | 0.58  | 11.4 |
|       | 160 | 169.8 | 8.5       | 766 | 81    | 0.846 | 11.4 | 5.7      | 766 | 80    | 0.567 | 11.4 | 17.1      | 766 | 83    | 1.65  | 11.4 | 4.3      | 766 | 79    | 0.43  | 11.4 |
|       | 180 | 184.6 | 7.9       | 766 | 81    | 0.778 | 11.4 | 5.2      | 766 | 80    | 0.521 | 11.4 | 15.7      | 766 | 82    | 1.54  | 11.4 | 3.9      | 766 | 79    | 0.40  | 11.4 |
|       | 200 | 201.0 | 7.2       | 766 | 69    | 0.839 | 11.4 | 4.8      | 766 | 67    | 0.572 | 11.4 | 14.4      | 766 | 72    | 1.61  | 11.4 | 3.6      | 766 | 66    | 0.44  | 11.4 |
|       | 225 | 228.4 | 6.3       | 766 | 68    | 0.749 | 11.4 | 4.2      | 766 | 67    | 0.503 | 11.4 | 12.7      | 766 | 71    | 1.43  | 11.4 | 3.2      | 766 | 66    | 0.39  | 11.4 |
|       | 265 | 266.0 | 5.5       | 766 | 80    | 0.547 | 11.4 | 3.6      | 766 | 79    | 0.366 | 11.4 | 10.9      | 766 | 81    | 1.08  | 11.4 | 2.7      | 766 | 78    | 0.28  | 11.4 |
|       | 280 | 299.7 | 4.8       | 766 | 79    | 0.491 | 11.4 | 3.2      | 766 | 78    | 0.329 | 11.4 | 9.7       | 766 | 81    | 0.958 | 11.4 | 2.4      | 766 | 78    | 0.249 | 11.4 |
|       | 315 | 328.7 | 4.4       | 766 | 67    | 0.528 | 11.4 | 2.9      | 766 | 65    | 0.360 | 11.4 | 8.8       | 766 | 69    | 1.03  | 11.4 | 2.2      | 766 | 64    | 0.28  | 11.4 |
|       | 360 | 357.3 | 4.1       | 766 | 66    | 0.493 | 11.4 | 2.7      | 766 | 65    | 0.332 | 11.4 | 8.1       | 766 | 69    | 0.943 | 11.4 | 2.0      | 766 | 64    | 0.25  | 11.4 |
|       | 400 | 395.4 | 3.7       | 766 | 79    | 0.372 | 11.4 | 2.4      | 766 | 78    | 0.250 | 11.4 | 7.3       | 766 | 80    | 0.735 | 11.4 | 1.8      | 766 | 77    | 0.191 | 11.4 |
|       | 450 | 449.5 | 3.2       | 766 | 78    | 0.332 | 11.4 | 2.1      | 766 | 78    | 0.220 | 11.4 | 6.5       | 766 | 80    | 0.647 | 11.4 | 1.6      | 766 | 77    | 0.168 | 11.4 |
|       | 500 | 514.8 | 2.8       | 766 | 65    | 0.348 | 11.4 | 1.9      | 766 | 64    | 0.234 | 11.4 | 5.6       | 766 | 67    | 0.674 | 11.4 | 1.4      | 766 | 63    | 0.179 | 11.4 |
|       | 560 | 580.0 | 2.5       | 766 | 64    | 0.313 | 11.4 | 1.7      | 766 | 63    | 0.211 | 11.4 | 5.0       | 766 | 67    | 0.599 | 11.4 | 1.3      | 766 | 62    | 0.162 | 11.4 |
|       | 800 | 765.3 | 1.9       | 766 | 64    | 0.237 | 11.4 | 1.3      | 766 | 63    | 0.160 | 11.4 | 3.8       | 766 | 66    | 0.461 | 11.4 | 0.95     | 766 | 62    | 0.123 | 11.4 |
|       | 900 | 870.0 | 1.7       | 766 | 63    | 0.212 | 11.4 | 1.1      | 766 | 62    | 0.143 | 11.4 | 3.3       | 766 | 65    | 0.411 | 11.4 | 0.83     | 766 | 61    | 0.110 | 11.4 |
| C0641 | 10C | 1022  | 1.4       | 766 | 77    | 0.148 | 11.4 | 0.94     | 766 | 77    | 0.098 | 11.4 | 2.8       | 766 | 77    | 0.296 | 11.4 | 0.71     | 766 | 77    | 0.074 | 11.4 |
|       | 11C | 1111  | 1.3       | 766 | 77    | 0.136 | 11.4 | 0.86     | 766 | 77    | 0.090 | 11.4 | 2.6       | 766 | 77    | 0.272 | 11.4 | 0.65     | 766 | 77    | 0.068 | 11.4 |
|       | 12C | 1300  | 1.1       | 766 | 77    | 0.116 | 11.4 | 0.74     | 766 | 77    | 0.077 | 11.4 | 2.2       | 766 | 77    | 0.232 | 11.4 | 0.56     | 766 | 77    | 0.058 | 11.4 |
|       | 14C | 1495  | 1.0       | 766 | 77    | 0.101 | 11.4 | 0.64     | 766 | 77    | 0.067 | 11.4 | 1.9       | 766 | 77    | 0.202 | 11.4 | 0.48     | 766 | 77    | 0.051 | 11.4 |
|       | 16C | 1625  | 0.9       | 766 | 77    | 0.093 | 11.4 | 0.59     | 766 | 77    | 0.062 | 11.4 | 1.8       | 766 | 77    | 0.186 | 11.4 | 0.45     | 766 | 77    | 0.046 | 11.4 |
|       | 18C | 1780  | 0.8       | 766 | 76    | 0.086 | 11.4 | 0.54     | 766 | 76    | 0.057 | 11.4 | 1.6       | 766 | 76    | 0.172 | 11.4 | 0.41     | 766 | 76    | 0.043 | 11.4 |
|       | 20C | 1951  | 0.74      | 766 | 77    | 0.077 | 11.4 | 0.49     | 766 | 77    | 0.051 | 11.4 | 1.5       | 766 | 77    | 0.155 | 11.4 | 0.37     | 766 | 77    | 0.039 | 11.4 |
|       | 22C | 2342  | 0.62      | 766 | 77    | 0.064 | 11.4 | 0.41     | 766 | 77    | 0.043 | 11.4 | 1.2       | 766 | 77    | 0.129 | 11.4 | 0.31     | 766 | 77    | 0.032 | 11.4 |
|       | 25C | 2638  | 0.55      | 766 | 77    | 0.057 | 11.4 | 0.36     | 766 | 77    | 0.038 | 11.4 | 1.1       | 766 | 77    | 0.115 | 11.4 | 0.27     | 766 | 77    | 0.029 | 11.4 |
|       | 28C | 2889  | 0.50      |     |       |       |      |          |     |       |       |      |           |     |       |       |      |          |     |       |       |      |

# SERIES C

## RATINGS

**Key:** Pm= Input Power (kW)    M2= Output Torque (Nm)    i= Exact Ratio    n2= Output Speed (rpm)    Fra = Overhung load (kN)

|       |       |       | $n1 = 1450$ |      |            |      |      | $n1 = 960$ |      |            |       |      | $n1 = 2900$ |      |            |       |      | $n1 = 725$ |      |            |       |      |
|-------|-------|-------|-------------|------|------------|------|------|------------|------|------------|-------|------|-------------|------|------------|-------|------|------------|------|------------|-------|------|
|       | in    | i     | n2          | M2   | $\eta$ (%) | Pm   | Fra  | n2         | M2   | $\eta$ (%) | Pm    | Fra  | n2          | M2   | $\eta$ (%) | Pm    | Fra  | n2         | M2   | $\eta$ (%) | Pm    | Fra  |
| C0721 | 8.0   | 7.901 | 183.5       | 618  | 92         | 12.9 | 20.7 | 121.5      | 615  | 92         | 8.50  | 22.7 | 367.0       | 468  | 92         | 19.55 | 0.0  | 91.8       | 612  | 91         | 6.46  | 24.8 |
|       | 11.   | 10.94 | 132.5       | 734  | 92         | 11.1 | 22.1 | 87.8       | 849  | 91         | 8.57  | 24.0 | 265.1       | 546  | 92         | 16.47 | 0.0  | 66.3       | 843  | 91         | 6.43  | 25.3 |
|       | 12.   | 12.29 | 118.0       | 768  | 92         | 10.3 | 22.7 | 78.1       | 896  | 91         | 8.05  | 24.8 | 236.0       | 576  | 92         | 15.47 | 0.0  | 59.0       | 944  | 91         | 6.41  | 26.9 |
|       | 14.   | 13.52 | 107.2       | 796  | 92         | 9.72 | 23.4 | 71.0       | 927  | 91         | 7.57  | 25.5 | 214.5       | 600  | 92         | 14.65 | 0.0  | 53.6       | 1020 | 90         | 6.36  | 26.9 |
|       | 16.   | 15.80 | 91.8        | 716  | 88         | 7.82 | 25.5 | 60.8       | 798  | 88         | 5.77  | 26.9 | 183.5       | 586  | 88         | 12.80 | 20.7 | 45.9       | 851  | 87         | 4.70  | 26.9 |
|       | 18.   | 17.66 | 82.1        | 879  | 91         | 8.30 | 26.9 | 54.4       | 1020 | 90         | 6.45  | 26.9 | 164.2       | 673  | 92         | 12.58 | 26.9 | 41.1       | 1120 | 90         | 5.35  | 26.9 |
|       | 20.   | 20.07 | 72.2        | 921  | 91         | 7.66 | 26.9 | 47.8       | 1060 | 90         | 5.90  | 26.9 | 144.5       | 709  | 92         | 11.66 | 26.9 | 36.1       | 1170 | 90         | 4.92  | 26.9 |
|       | 22.   | 21.89 | 66.2        | 781  | 88         | 6.16 | 26.9 | 43.9       | 860  | 87         | 4.54  | 26.9 | 132.5       | 648  | 88         | 10.22 | 26.9 | 33.1       | 911  | 86         | 3.67  | 26.9 |
|       | 25.   | 24.59 | 59.0        | 803  | 87         | 5.70 | 26.9 | 39.0       | 881  | 86         | 4.19  | 26.9 | 117.9       | 669  | 87         | 9.50  | 26.9 | 29.5       | 931  | 85         | 3.38  | 26.9 |
|       | 28.   | 27.03 | 53.6        | 822  | 87         | 5.31 | 26.9 | 35.5       | 898  | 86         | 3.88  | 26.9 | 107.3       | 685  | 87         | 8.85  | 26.9 | 26.8       | 948  | 85         | 3.13  | 26.9 |
|       | 32.   | 30.81 | 47.1        | 1070 | 90         | 5.86 | 26.9 | 31.2       | 1220 | 89         | 4.47  | 26.9 | 94.1        | 836  | 91         | 9.05  | 26.9 | 23.5       | 1330 | 88         | 3.72  | 26.9 |
|       | 36.   | 35.31 | 41.1        | 872  | 86         | 4.36 | 26.9 | 27.2       | 946  | 85         | 3.17  | 26.9 | 82.1        | 738  | 87         | 7.30  | 26.9 | 20.5       | 993  | 84         | 2.54  | 26.9 |
|       | 40.   | 40.15 | 36.1        | 895  | 86         | 3.94 | 26.9 | 23.9       | 967  | 84         | 2.88  | 26.9 | 72.2        | 764  | 87         | 6.64  | 26.9 | 18.1       | 1010 | 83         | 2.30  | 26.9 |
|       | 45.   | 44.13 | 32.9        | 1200 | 89         | 4.64 | 26.9 | 21.8       | 1340 | 88         | 3.47  | 26.9 | 65.7        | 953  | 90         | 7.29  | 26.9 | 16.4       | 1340 | 87         | 2.65  | 26.9 |
|       | 50.   | 49.90 | 29.1        | 1250 | 88         | 4.32 | 26.9 | 19.2       | 1340 | 87         | 3.10  | 26.9 | 58.1        | 995  | 90         | 6.73  | 26.9 | 14.5       | 1340 | 87         | 2.34  | 26.9 |
|       | 56.   | 53.62 | 27.0        | 946  | 85         | 3.15 | 26.9 | 17.9       | 1010 | 83         | 2.28  | 26.9 | 54.1        | 820  | 86         | 5.40  | 26.9 | 13.5       | 1070 | 83         | 1.83  | 26.9 |
|       | 63.   | 61.62 | 23.5        | 970  | 84         | 2.85 | 26.9 | 15.6       | 1040 | 83         | 2.04  | 26.9 | 47.1        | 847  | 86         | 4.85  | 26.9 | 11.8       | 1100 | 83         | 1.63  | 26.9 |
|       | 71.   | 69.00 | 21.0        | 1340 | 87         | 3.39 | 26.9 | 13.9       | 1340 | 86         | 2.27  | 26.9 | 42.0        | 1110 | 89         | 5.49  | 26.9 | 10.5       | 1340 | 86         | 1.71  | 26.9 |
|       | 80.   | 75.56 | 19.2        | 1340 | 87         | 3.09 | 26.9 | 12.7       | 1340 | 86         | 2.07  | 26.9 | 38.4        | 1140 | 88         | 5.21  | 26.9 | 9.6        | 1340 | 85         | 1.58  | 26.9 |
|       | 90.   | 88.26 | 16.4        | 1030 | 83         | 2.13 | 26.9 | 10.9       | 1110 | 82         | 1.54  | 26.9 | 32.9        | 912  | 85         | 3.69  | 26.9 | 8.2        | 1170 | 81         | 1.24  | 26.9 |
|       | 100   | 99.79 | 14.5        | 1050 | 82         | 1.95 | 26.9 | 9.6        | 1140 | 81         | 1.42  | 26.9 | 29.1        | 934  | 84         | 3.38  | 26.9 | 7.3        | 1190 | 80         | 1.13  | 26.9 |
|       | 112   | 104.3 | 13.9        | 1340 | 86         | 2.27 | 26.9 | 9.2        | 1330 | 85         | 1.51  | 26.9 | 27.8        | 1260 | 87         | 4.22  | 26.9 | 7.0        | 1320 | 84         | 1.14  | 26.9 |
|       | 125   | 115.9 | 12.5        | 1140 | 85         | 1.76 | 26.9 | 8.3        | 1130 | 84         | 1.17  | 26.9 | 25.0        | 1160 | 87         | 3.49  | 26.9 | 6.3        | 1120 | 84         | 0.87  | 26.9 |
|       | 140   | 138.0 | 10.5        | 1120 | 81         | 1.52 | 26.9 | 7.0        | 1200 | 80         | 1.09  | 26.9 | 21.0        | 989  | 83         | 2.62  | 26.9 | 5.3        | 1250 | 79         | 0.87  | 26.9 |
|       | 160   | 151.1 | 9.6         | 1140 | 81         | 1.41 | 26.9 | 6.4        | 1220 | 80         | 1.01  | 26.9 | 19.2        | 1000 | 83         | 2.42  | 26.9 | 4.8        | 1270 | 79         | 0.81  | 26.9 |
| 212   | 208.6 | 7.0   | 1200        | 79   | 1.11       | 26.9 | 4.6  | 1270       | 78   | 0.78       | 26.9  | 13.9 | 1060        | 82   | 1.88       | 26.9  | 3.5  | 1270       | 78   | 0.59       | 26.9  |      |
| 250   | 231.8 | 6.3   | 1220        | 79   | 1.01       | 26.9 | 4.1  | 1270       | 78   | 0.71       | 26.9  | 12.5 | 1080        | 81   | 1.747      | 26.9  | 3.1  | 1270       | 77   | 0.54       | 26.9  |      |
| C0731 | 100   | 97.33 | 14.9        | 1340 | 86         | 2.43 | 26.9 | 9.9        | 1340 | 85         | 1.63  | 26.9 | 29.8        | 1240 | 87         | 4.447 | 26.9 | 7.4        | 1340 | 85         | 1.23  | 26.9 |
|       | 118   | 113.2 | 12.8        | 1340 | 85         | 2.11 | 26.9 | 8.5        | 1340 | 84         | 1.42  | 26.9 | 25.6        | 1300 | 87         | 4.008 | 26.9 | 6.4        | 1340 | 84         | 1.07  | 26.9 |
|       | 132   | 125.0 | 11.6        | 1100 | 80         | 1.67 | 26.9 | 7.7        | 1180 | 79         | 1.20  | 26.9 | 23.2        | 973  | 81         | 2.918 | 26.9 | 5.8        | 1230 | 78         | 0.96  | 26.9 |
|       | 150   | 141.7 | 10.2        | 1120 | 79         | 1.52 | 26.9 | 6.8        | 1210 | 79         | 1.09  | 26.9 | 20.5        | 993  | 81         | 2.627 | 26.9 | 5.1        | 1260 | 78         | 0.87  | 26.9 |
|       | 160   | 160.0 | 9.1         | 1340 | 84         | 1.51 | 26.9 | 6.0        | 1340 | 83         | 1.01  | 26.9 | 18.1        | 1340 | 86         | 2.957 | 26.9 | 4.5        | 1340 | 83         | 0.77  | 26.9 |
|       | 180   | 170.8 | 8.5         | 1340 | 84         | 1.42 | 26.9 | 5.6        | 1340 | 83         | 0.95  | 26.9 | 17.0        | 1340 | 85         | 2.803 | 26.9 | 4.2        | 1340 | 83         | 0.72  | 26.9 |
|       | 200   | 194.7 | 7.4         | 1190 | 79         | 1.17 | 26.9 | 4.9        | 1270 | 78         | 0.84  | 26.9 | 14.9        | 1040 | 80         | 2.028 | 26.9 | 3.7        | 1270 | 77         | 0.64  | 26.9 |
|       | 225   | 226.4 | 6.4         | 1220 | 79         | 1.04 | 26.9 | 4.2        | 1270 | 77         | 0.73  | 26.9 | 12.8        | 1080 | 80         | 1.811 | 26.9 | 3.2        | 1270 | 77         | 0.55  | 26.9 |
|       | 265   | 249.9 | 5.8         | 1340 | 83         | 0.98 | 26.9 | 3.8        | 1340 | 82         | 0.66  | 26.9 | 11.6        | 1340 | 84         | 1.938 | 26.9 | 2.9        | 1340 | 82         | 0.50  | 26.9 |
|       | 280   | 273.7 | 5.3         | 1340 | 83         | 0.90 | 26.9 | 3.5        | 1340 | 82         | 0.60  | 26.9 | 10.6        | 1340 | 84         | 1.770 | 26.9 | 2.6        | 1340 | 82         | 0.45  | 26.9 |
|       | 315   | 320.0 | 4.5         | 1270 | 77         | 0.78 | 26.9 | 3.0        | 1270 | 77         | 0.52  | 26.9 | 9.1         | 1150 | 79         | 1.381 | 26.9 | 2.3        | 1270 | 76         | 0.40  | 26.9 |
|       | 360   | 341.6 | 4.2         | 1270 | 77         | 0.73 | 26.9 | 2.8        | 1270 | 77         | 0.49  | 26.9 | 8.5         | 1160 | 79         | 1.305 | 26.9 | 2.1        | 1270 | 75         | 0.38  | 26.9 |
|       | 400   | 373.8 | 3.9         | 1340 | 82         | 0.66 | 26.9 | 2.6        | 1340 | 81         | 0.44  | 26.9 | 7.8         | 1340 | 83         | 1.312 | 26.9 | 1.9        | 1340 | 81         | 0.34  | 26.9 |
|       | 450   | 419.2 | 3.5         | 1340 | 82         | 0.59 | 26.9 | 2.3        | 1340 | 81         | 0.40  | 26.9 | 6.9         | 1340 | 83         | 1.169 | 26.9 | 1.7        | 1340 | 81         | 0.30  | 26.9 |
| 500   | 499.9 | 2.9   | 1270        | 76   | 0.51       | 26.9 | 1.9  | 1270       | 75   | 0.34       | 26.9  | 5.8  | 1230        | 77   | 0.970      | 26.9  | 1.5  | 1270       | 75   | 0.26       | 26.9  |      |
| 560   | 547.4 | 2.6   | 1270        | 76   | 0.46       | 26.9 | 1.8  | 1270       | 75   | 0.31       | 26.9  | 5.3  | 1250        | 77   | 0.901      | 26.9  | 1.3  | 1270       | 74   | 0.24       | 26.9  |      |
| 800   | 747.7 | 1.9   | 1270        | 75   | 0.34       | 26.9 | 1.3  | 1270       | 74   | 0.23       | 26.9  | 3.9  | 1270        | 76   | 0.679      | 26.9  | 1.0  | 1270       | 74   | 0.17       | 26.9  |      |
| 900   | 838.5 | 1.7   | 1270        | 75   | 0.31       | 26.9 | 1.1  | 1270       | 74   | 0.21       | 26.9  | 3.5  | 1270        | 76   | 0.605      | 26.9  | 0.86 | 1270       | 73   | 0.16       | 26.9  |      |
| C0741 | 10C   | 1009  | 1.4         | 1340 | 81         | 0.25 | 26.9 | 0.95       | 1340 | 81         | 0.16  | 26.9 | 2.9         | 1340 | 81         | 0.50  | 26.9 | 0.72       | 1340 | 81         | 0.12  | 26.9 |
|       | 11C   | 1097  | 1.3         | 1340 | 81         | 0.23 | 26.9 | 0.88       | 1340 | 81         | 0.15  | 26.9 | 2.6         | 1340 | 81         | 0.46  | 26.9 | 0.66       | 1340 | 81         | 0.11  | 26.9 |
|       | 12C   | 1213  | 1.2         | 1340 | 80         | 0.21 | 26.9 | 0.79       | 1340 | 80         | 0.14  | 26.9 | 2.4         | 1340 | 80         | 0.42  | 26.9 | 0.60       | 1340 | 80         | 0.10  | 26.9 |
|       | 14C   | 1396  | 1.0         | 1340 | 80         | 0.18 | 26.9 | 0.69       | 1340 | 80         | 0.12  | 26.9 | 2.1         | 1340 | 80         | 0.36  | 26.9 | 0.52       | 1340 | 80         | 0.091 | 26.9 |
|       | 16C   | 1517  | 0.96        | 1340 | 80         | 0.17 | 26.9 | 0.63       | 1340 | 80         | 0.11  | 26.9 | 1.9         | 1340 | 80         | 0.34  | 26.9 | 0.48       | 1340 | 80         | 0.084 | 26.9 |
|       | 18C   | 1662  | 0.87        | 1340 | 80         | 0.15 | 26.9 | 0.58       | 1340 | 80         | 0.10  | 26.9 | 1.7         | 1340 | 80         | 0.31  | 26.9 | 0.44       | 1340 | 80         | 0.077 | 26.9 |
|       | 20C   | 1995  | 0.73        | 1340 | 80         | 0.13 | 26.9 | 0.48       | 1340 | 80         | 0.084 | 26.9 | 1.5         | 1340 | 80         | 0.25  | 26.9 | 0.36       | 1340 | 80         | 0.064 | 26.9 |
|       | 22C   | 2186  | 0.66        | 1340 | 80         | 0.12 | 26.9 | 0.44       | 1340 | 80         | 0.077 | 26.9 | 1.3         | 1340 | 80         | 0.23  | 26.9 | 0.33       | 1340 | 80         | 0.058 | 26.9 |
|       | 25C   | 2463  | 0.59        | 1340 | 80         | 0    |      |            |      |            |       |      |             |      |            |       |      |            |      |            |       |      |

# SERIES C

## RATINGS

**Key:** Pm= Input Power (kW)    M2= Output Torque (Nm)    i= Exact Ratio    n2= Output Speed (rpm)    Fra = Overhung load (kN)

|       |       |       | n1 = 1450 |      |       |       |      | n1 = 960 |      |       |       |      | n1 = 2900 |      |       |       |      | n1 = 725 |      |       |       |      |
|-------|-------|-------|-----------|------|-------|-------|------|----------|------|-------|-------|------|-----------|------|-------|-------|------|----------|------|-------|-------|------|
|       | in    | i     | n2        | M2   | η (%) | Pm    | Fra  | n2       | M2   | η (%) | Pm    | Fra  | n2        | M2   | η (%) | Pm    | Fra  | n2       | M2   | η (%) | Pm    | Fra  |
| C0821 | 8.0   | 7.770 | 186.6     | 977  | 92    | 20.75 | 26.3 | 123.6    | 974  | 92    | 13.70 | 28.8 | 373       | 828  | 91    | 35.56 | 0.0  | 93.3     | 970  | 92    | 10.30 | 31.6 |
|       | 11.   | 11.01 | 131.7     | 1320 | 92    | 19.79 | 27.7 | 87.2     | 1380 | 92    | 13.70 | 30.2 | 263       | 978  | 92    | 29.32 | 0.0  | 65.8     | 1370 | 92    | 10.27 | 34.5 |
|       | 12.   | 12.24 | 118.5     | 1380 | 93    | 18.41 | 28.3 | 78.4     | 1530 | 92    | 13.66 | 30.8 | 237       | 1030 | 92    | 27.78 | 0.0  | 59.2     | 1520 | 92    | 10.25 | 34.2 |
|       | 14.   | 13.61 | 106.5     | 1430 | 92    | 17.34 | 29.2 | 70.5     | 1670 | 91    | 13.55 | 31.4 | 213       | 1080 | 92    | 26.19 | 0.0  | 53.3     | 1680 | 91    | 10.30 | 33.8 |
|       | 16.   | 15.54 | 93.3      | 1390 | 89    | 15.26 | 31.6 | 61.8     | 1620 | 89    | 11.77 | 34.3 | 187       | 1040 | 87    | 23.36 | 24.0 | 46.7     | 1750 | 88    | 9.71  | 35.0 |
|       | 18.   | 17.60 | 82.4      | 1580 | 91    | 14.98 | 31.3 | 54.5     | 1830 | 91    | 11.49 | 33.8 | 165       | 1200 | 92    | 22.50 | 25.0 | 41.2     | 2020 | 90    | 9.68  | 35.5 |
|       | 20.   | 19.76 | 73.4      | 1650 | 92    | 13.78 | 32.4 | 48.6     | 1910 | 91    | 10.68 | 35.0 | 146.8     | 1260 | 92    | 21.05 | 25.5 | 36.7     | 2100 | 90    | 8.96  | 36.4 |
|       | 22.   | 22.03 | 65.8      | 1580 | 89    | 12.24 | 34.5 | 43.6     | 1780 | 88    | 9.23  | 38.1 | 131.6     | 1210 | 88    | 18.95 | 26.0 | 32.9     | 1880 | 87    | 7.45  | 41.7 |
|       | 25.   | 24.47 | 59.3      | 1650 | 88    | 11.63 | 35.1 | 39.2     | 1820 | 88    | 8.50  | 39.4 | 118.5     | 1260 | 88    | 17.77 | 26.6 | 29.6     | 1920 | 86    | 6.93  | 41.7 |
|       | 28.   | 27.22 | 53.3      | 1700 | 88    | 10.78 | 35.8 | 35.3     | 1860 | 87    | 7.90  | 40.7 | 106.5     | 1320 | 88    | 16.73 | 27.2 | 26.6     | 1960 | 86    | 6.36  | 41.7 |
|       | 32.   | 31.78 | 45.6      | 1950 | 90    | 10.35 | 35.6 | 30.2     | 2230 | 89    | 7.93  | 40.2 | 91.3      | 1520 | 91    | 15.96 | 27.9 | 22.8     | 2430 | 89    | 6.52  | 41.7 |
|       | 36.   | 35.20 | 41.2      | 1950 | 87    | 9.67  | 38.8 | 27.3     | 1950 | 86    | 6.48  | 41.7 | 82.4      | 1450 | 87    | 14.38 | 28.4 | 20.6     | 2050 | 85    | 5.20  | 41.7 |
|       | 40.   | 39.51 | 36.7      | 1990 | 87    | 8.79  | 40.2 | 24.3     | 1990 | 86    | 5.89  | 41.7 | 73.4      | 1520 | 88    | 13.28 | 29.5 | 18.3     | 2090 | 85    | 4.72  | 41.7 |
|       | 45.   | 43.64 | 33.2      | 2170 | 90    | 8.39  | 39.0 | 22.0     | 2460 | 89    | 6.37  | 41.7 | 66.5      | 1710 | 91    | 13.08 | 31.4 | 16.61    | 2650 | 88    | 5.24  | 41.7 |
|       | 50.   | 49.26 | 29.4      | 2250 | 89    | 7.79  | 40.5 | 19.5     | 2540 | 88    | 5.89  | 41.7 | 58.9      | 1780 | 91    | 12.06 | 32.2 | 14.72    | 2730 | 87    | 4.84  | 41.7 |
|       | 56.   | 54.60 | 26.6      | 1960 | 86    | 6.34  | 41.7 | 17.6     | 2100 | 84    | 4.60  | 41.7 | 53.1      | 1700 | 88    | 10.74 | 32.6 | 13.28    | 2210 | 84    | 3.66  | 41.7 |
|       | 63.   | 63.56 | 22.8      | 2010 | 85    | 5.65  | 41.7 | 15.1     | 2150 | 84    | 4.05  | 41.7 | 45.6      | 1760 | 87    | 9.67  | 33.4 | 11.41    | 2270 | 83    | 3.27  | 41.7 |
|       | 71.   | 69.64 | 20.8      | 2490 | 88    | 6.17  | 41.7 | 13.8     | 2780 | 87    | 4.61  | 41.7 | 41.6      | 2010 | 90    | 9.74  | 34.5 | 10.41    | 2970 | 87    | 3.72  | 41.7 |
|       | 80.   | 76.50 | 19.0      | 2560 | 88    | 5.77  | 41.7 | 12.5     | 2840 | 87    | 4.29  | 41.7 | 37.9      | 2080 | 89    | 9.28  | 35.6 | 9.48     | 3030 | 86    | 3.50  | 41.7 |
|       | 90.   | 87.29 | 16.6      | 2120 | 84    | 4.39  | 41.7 | 11.0     | 2290 | 83    | 3.18  | 41.7 | 33.2      | 1880 | 86    | 7.60  | 36.4 | 8.31     | 2410 | 82    | 2.56  | 41.7 |
|       | 100   | 98.53 | 14.7      | 2160 | 83    | 4.01  | 41.7 | 9.7      | 2340 | 82    | 2.91  | 41.7 | 29.4      | 1920 | 86    | 6.88  | 41.7 | 7.36     | 2460 | 81    | 2.34  | 41.7 |
|       | 112   | 102.4 | 14.2      | 2760 | 87    | 4.70  | 41.7 | 9.4      | 3040 | 86    | 3.47  | 41.7 | 28.3      | 2280 | 89    | 7.60  | 41.7 | 7.08     | 3220 | 85    | 2.81  | 41.7 |
|       | 125   | 117.9 | 12.3      | 2850 | 86    | 4.27  | 41.7 | 8.1      | 2910 | 85    | 2.92  | 41.7 | 24.6      | 2380 | 88    | 6.97  | 41.7 | 6.15     | 2880 | 85    | 2.18  | 41.7 |
|       | 140   | 139.3 | 10.4      | 2310 | 82    | 3.07  | 41.7 | 6.9      | 2480 | 81    | 2.21  | 41.7 | 20.8      | 2040 | 84    | 5.29  | 41.7 | 5.20     | 2590 | 80    | 1.76  | 41.7 |
|       | 160   | 153.0 | 9.5       | 2350 | 82    | 2.84  | 41.7 | 6.3      | 2520 | 81    | 2.04  | 41.7 | 19.0      | 2080 | 84    | 4.91  | 41.7 | 4.74     | 2600 | 80    | 1.61  | 41.7 |
| 212   | 204.8 | 7.1   | 2470      | 81   | 2.26  | 41.7  | 4.7  | 2630     | 80   | 1.61  | 41.7  | 14.2 | 2180      | 83   | 3.89  | 41.7  | 3.54 | 2600     | 79   | 1.22  | 41.7  |      |
| 250   | 235.8 | 6.1   | 2530      | 80   | 2.04  | 41.7  | 4.1  | 2600     | 79   | 1.40  | 41.7  | 12.3 | 2240      | 82   | 3.52  | 41.7  | 3.07 | 2600     | 78   | 1.07  | 41.7  |      |
| C0841 | 160   | 156   | 9.3       | 2600 | 81    | 3.12  | 41.7 | 6.2      | 2600 | 81    | 2.07  | 41.7 | 18.6      | 2600 | 81    | 6.25  | 41.7 | 4.6      | 2600 | 81    | 1.56  | 41.7 |
|       | 180   | 177   | 8.2       | 2600 | 81    | 2.75  | 41.7 | 5.4      | 2600 | 81    | 1.82  | 41.7 | 16.4      | 2600 | 81    | 5.51  | 41.7 | 4.1      | 2600 | 81    | 1.38  | 41.7 |
|       | 212   | 220   | 6.6       | 2600 | 81    | 2.22  | 41.7 | 4.4      | 2600 | 81    | 1.47  | 41.7 | 13.2      | 2600 | 81    | 4.43  | 41.7 | 3.3      | 2600 | 81    | 1.11  | 41.7 |
|       | 250   | 248   | 5.8       | 2600 | 81    | 1.97  | 41.7 | 3.9      | 2600 | 81    | 1.30  | 41.7 | 11.7      | 2600 | 81    | 3.93  | 41.7 | 2.9      | 2600 | 81    | 0.98  | 41.7 |
|       | 280   | 277   | 5.2       | 2600 | 81    | 1.76  | 41.7 | 3.5      | 2600 | 81    | 1.16  | 41.7 | 10.5      | 2600 | 81    | 3.52  | 41.7 | 2.6      | 2600 | 81    | 0.88  | 41.7 |
|       | 320   | 312   | 4.6       | 2600 | 81    | 1.56  | 41.7 | 3.1      | 2600 | 81    | 1.03  | 41.7 | 9.3       | 2600 | 81    | 3.12  | 41.7 | 2.3      | 2600 | 81    | 0.78  | 41.7 |
|       | 360   | 351   | 4.1       | 2600 | 81    | 1.39  | 41.7 | 2.7      | 2600 | 81    | 0.92  | 41.7 | 8.3       | 2600 | 81    | 2.78  | 41.7 | 2.1      | 2600 | 81    | 0.69  | 41.7 |
|       | 400   | 398   | 3.6       | 2600 | 81    | 1.22  | 41.7 | 2.4      | 2600 | 81    | 0.81  | 41.7 | 7.3       | 2600 | 81    | 2.45  | 41.7 | 1.8      | 2600 | 81    | 0.61  | 41.7 |
|       | 450   | 450   | 3.2       | 2600 | 81    | 1.08  | 41.7 | 2.1      | 2600 | 81    | 0.72  | 41.7 | 6.4       | 2600 | 81    | 2.17  | 41.7 | 1.6      | 2600 | 81    | 0.54  | 41.7 |
|       | 500   | 475   | 3.1       | 2600 | 81    | 1.03  | 41.7 | 2.0      | 2600 | 81    | 0.68  | 41.7 | 6.1       | 2600 | 81    | 2.05  | 41.7 | 1.5      | 2600 | 81    | 0.51  | 41.7 |
|       | 560   | 547   | 2.7       | 2600 | 81    | 0.89  | 41.7 | 1.8      | 2600 | 81    | 0.59  | 41.7 | 5.3       | 2600 | 81    | 1.78  | 41.7 | 1.3      | 2600 | 81    | 0.45  | 41.7 |
|       | 630   | 636   | 2.3       | 2600 | 81    | 0.77  | 41.7 | 1.5      | 2600 | 81    | 0.51  | 41.7 | 4.6       | 2600 | 81    | 1.53  | 41.7 | 1.1      | 2600 | 81    | 0.38  | 41.7 |
|       | 710   | 712   | 2.0       | 2600 | 81    | 0.68  | 41.7 | 1.3      | 2600 | 81    | 0.45  | 41.7 | 4.1       | 2600 | 81    | 1.37  | 41.7 | 1.0      | 2600 | 81    | 0.34  | 41.7 |
|       | 800   | 759   | 1.9       | 2600 | 81    | 0.64  | 41.7 | 1.3      | 2600 | 81    | 0.43  | 41.7 | 3.8       | 2600 | 81    | 1.28  | 41.7 | 1.0      | 2600 | 81    | 0.32  | 41.7 |
|       | 900   | 899   | 1.6       | 2600 | 81    | 0.54  | 41.7 | 1.1      | 2600 | 81    | 0.36  | 41.7 | 3.2       | 2600 | 81    | 1.08  | 41.7 | 0.81     | 2600 | 81    | 0.27  | 41.7 |
|       | 10C   | 960   | 1.5       | 2600 | 81    | 0.51  | 41.7 | 1.0      | 2600 | 81    | 0.34  | 41.7 | 3.0       | 2600 | 81    | 1.02  | 41.7 | 0.76     | 2600 | 81    | 0.25  | 41.7 |
|       | 11C   | 1084  | 1.3       | 2600 | 81    | 0.45  | 41.7 | 0.89     | 2600 | 81    | 0.30  | 41.7 | 2.7       | 2600 | 81    | 0.90  | 41.7 | 0.67     | 2600 | 81    | 0.22  | 41.7 |
|       | 12C   | 1191  | 1.2       | 2600 | 81    | 0.41  | 41.7 | 0.81     | 2600 | 81    | 0.27  | 41.7 | 2.4       | 2600 | 81    | 0.82  | 41.7 | 0.61     | 2600 | 81    | 0.20  | 41.7 |
|       | 14C   | 1405  | 1.0       | 2600 | 81    | 0.35  | 41.7 | 0.68     | 2600 | 81    | 0.23  | 41.7 | 2.1       | 2600 | 81    | 0.69  | 41.7 | 0.52     | 2600 | 81    | 0.17  | 41.7 |
|       | 16C   | 1532  | 0.95      | 2600 | 80    | 0.32  | 41.7 | 0.63     | 2600 | 80    | 0.21  | 41.7 | 1.9       | 2600 | 80    | 0.64  | 41.7 | 0.47     | 2600 | 80    | 0.16  | 41.7 |
|       | 18C   | 1901  | 0.76      | 2600 | 80    | 0.26  | 41.7 | 0.50     | 2600 | 80    | 0.17  | 41.7 | 1.5       | 2600 | 80    | 0.52  | 41.7 | 0.38     | 2600 | 80    | 0.13  | 41.7 |
|       | 20C   | 2068  | 0.70      | 2600 | 79    | 0.24  | 41.7 | 0.46     | 2600 | 79    | 0.16  | 41.7 | 1.4       | 2600 | 79    | 0.48  | 41.7 | 0.35     | 2600 | 79    | 0.12  | 41.7 |
|       | 22C   | 2242  | 0.65      | 2600 | 80    | 0.22  | 41.7 | 0.43     | 2600 | 80    | 0.15  | 41.7 | 1.3       | 2600 | 80    | 0.44  | 41.7 | 0.32     | 2600 | 80    | 0.11  | 41.7 |
|       | 25C   | 2463  | 0.59      | 2600 | 79    | 0.20  | 41.7 | 0.39     | 2600 | 79    | 0.13  | 41.7 | 1.2       | 2600 | 79    | 0.41  | 41.7 | 0.29     | 2600 | 79    | 0.10  | 41.7 |
|       | 28C   | 2697  | 0.54      | 2600 | 79    | 0.19  | 41.7 | 0.36     | 2600 | 79    | 0.12  | 41.7 | 1.1       | 2600 | 79    | 0.37  | 41.7 | 0.27     | 2600 | 79    | 0.093 | 41.7 |
| 32C   | 3305  | 0.44  | 2600      | 79   | 0.15  | 41.7  | 0.29 | 2600     | 79   | 0.10  | 41.7  | 0.9  | 2600      | 79   | 0.30  | 41.7  | 0.22 | 2600     | 79   | 0.076 | 41.7  |      |
| 36C   | 3761  | 0.39  | 2600      | 80   | 0.13  | 41.7  | 0.26 | 260      |      |       |       |      |           |      |       |       |      |          |      |       |       |      |

# SERIES C

## RATINGS

**Key:** Pm= Input Power (kW)    M2= Output Torque (Nm)    i= Exact Ratio    n2= Output Speed (rpm)    Fra = Overhung load (kN)

|              |     |       | n1 = 1450 |      |            |       |      | n1 = 960 |      |            |       |      | n1 = 2900 |      |            |       |      | n1 = 725 |      |            |       |        |
|--------------|-----|-------|-----------|------|------------|-------|------|----------|------|------------|-------|------|-----------|------|------------|-------|------|----------|------|------------|-------|--------|
|              | in  | i     | n2        | M2   | $\eta$ (%) | Pm    | Fra  | n2       | M2   | $\eta$ (%) | Pm    | Fra  | n2        | M2   | $\eta$ (%) | Pm    | Fra  | n2       | M2   | $\eta$ (%) | Pm    | Fra    |
| <b>C0921</b> | 8.0 | 7.973 | 181.9     | 2120 | 93         | 43.41 | 39.3 | 120.4    | 2510 | 93         | 34.03 | 41.8 | 363.7     | 1530 | 92         | 63.34 | 0.0  | 90.9     | 2800 | 93         | 28.67 | 42.8   |
|              | 11. | 10.98 | 132.1     | 2420 | 93         | 35.98 | 42.1 | 87.4     | 2840 | 93         | 27.96 | 44.8 | 264.1     | 1790 | 93         | 53.23 | 0.0  | 66.0     | 3160 | 93         | 23.49 | 45.5   |
|              | 12. | 12.30 | 117.9     | 2540 | 93         | 33.71 | 43.1 | 78.0     | 2970 | 93         | 26.10 | 45.9 | 235.8     | 1890 | 93         | 50.17 | 0.0  | 58.9     | 3290 | 92         | 22.07 | 46.4   |
|              | 14. | 13.81 | 105.0     | 2650 | 93         | 31.33 | 44.5 | 69.5     | 3100 | 92         | 24.53 | 47.4 | 210.0     | 1990 | 93         | 47.05 | 0.0  | 52.5     | 3430 | 92         | 20.49 | 47.3   |
|              | 16. | 16.68 | 86.9      | 2580 | 89         | 26.39 | 49.4 | 57.6     | 3030 | 89         | 20.52 | 53.2 | 173.9     | 1930 | 88         | 39.93 | 36.8 | 43.5     | 3360 | 88         | 17.38 | 53.2   |
|              | 18. | 17.79 | 81.5      | 2920 | 93         | 26.80 | 47.7 | 54.0     | 3400 | 92         | 20.88 | 50.8 | 163.0     | 2220 | 93         | 40.75 | 38.2 | 40.8     | 3750 | 91         | 17.59 | 53.2   |
|              | 20. | 19.88 | 72.9      | 3040 | 92         | 25.24 | 49.3 | 48.3     | 3530 | 92         | 19.40 | 52.5 | 145.9     | 2330 | 93         | 38.27 | 0.0  | 36.5     | 3890 | 91         | 16.32 | 53.2   |
|              | 22. | 22.96 | 63.2      | 2920 | 89         | 21.70 | 53.2 | 41.8     | 3410 | 88         | 16.97 | 53.2 | 126.3     | 2220 | 88         | 33.37 | 0.0  | 31.6     | 3760 | 88         | 14.13 | 53.2   |
|              | 25. | 25.73 | 56.4      | 3050 | 89         | 20.22 | 53.2 | 37.3     | 3550 | 88         | 15.76 | 53.2 | 112.7     | 2320 | 88         | 31.11 | 0.0  | 28.2     | 3910 | 87         | 13.26 | 53.2   |
|              | 28. | 28.89 | 50.2      | 3180 | 88         | 18.99 | 53.2 | 33.2     | 3700 | 88         | 14.63 | 53.2 | 100.4     | 2440 | 88         | 29.14 | 53.2 | 25.1     | 4070 | 86         | 12.44 | 53.2   |
|              | 32. | 31.43 | 46.1      | 3590 | 91         | 19.06 | 53.2 | 30.5     | 4070 | 90         | 14.46 | 53.2 | 92.3      | 2790 | 93         | 28.98 | 53.2 | 23.1     | 4200 | 90         | 11.27 | 53.2   |
|              | 36. | 37.22 | 39.0      | 3490 | 87         | 16.36 | 53.2 | 25.8     | 4030 | 86         | 12.66 | 53.2 | 77.9      | 2690 | 88         | 24.94 | 53.2 | 19.5     | 4410 | 86         | 10.46 | 53.2   |
|              | 40. | 41.59 | 34.9      | 3640 | 87         | 15.27 | 53.2 | 23.1     | 4180 | 86         | 11.75 | 53.2 | 69.7      | 2810 | 88         | 23.31 | 53.2 | 17.4     | 4560 | 85         | 9.79  | 53.2   |
|              | 45. | 44.55 | 32.5      | 4030 | 90         | 15.26 | 53.2 | 21.5     | 4240 | 89         | 10.75 | 53.2 | 65.1      | 3170 | 92         | 23.49 | 53.2 | 16.3     | 4370 | 89         | 8.37  | 53.2   |
|              | 50. | 49.49 | 29.3      | 4090 | 90         | 13.94 | 53.2 | 19.4     | 4290 | 89         | 9.79  | 53.2 | 58.6      | 3300 | 92         | 22.01 | 53.2 | 14.6     | 4410 | 89         | 7.60  | 53.2   |
|              | 56. | 57.66 | 25.1      | 4260 | 86         | 12.43 | 53.2 | 16.6     | 4620 | 85         | 9.48  | 53.2 | 50.3      | 3180 | 88         | 19.03 | 53.2 | 12.6     | 4990 | 84         | 7.82  | 53.2   |
|              | 63. | 65.74 | 22.1      | 4040 | 86         | 11.39 | 53.2 | 14.6     | 4790 | 84         | 8.72  | 53.2 | 44.1      | 3340 | 88         | 17.53 | 53.2 | 11.0     | 5160 | 83         | 7.18  | 53.2   |
|              | 71. | 69.91 | 20.7      | 4260 | 89         | 10.40 | 53.2 | 13.7     | 4440 | 88         | 7.25  | 53.2 | 41.5      | 3730 | 91         | 17.80 | 53.2 | 10.4     | 4550 | 87         | 5.68  | 53.2   |
|              | 80. | 77.18 | 18.8      | 4300 | 89         | 9.50  | 53.2 | 12.4     | 4480 | 88         | 6.63  | 53.2 | 37.6      | 3850 | 91         | 16.65 | 53.2 | 9.4      | 4590 | 87         | 5.19  | 53.2   |
|              | 90. | 93.18 | 15.6      | 4710 | 84         | 9.14  | 53.2 | 10.3     | 5240 | 83         | 6.81  | 53.2 | 31.1      | 3780 | 87         | 14.16 | 53.2 | 7.8      | 5580 | 82         | 5.54  | 53.2   |
|              | 100 | 103.5 | 14.0      | 4850 | 84         | 8.47  | 53.2 | 9.3      | 5380 | 82         | 6.37  | 53.2 | 28.0      | 3920 | 86         | 13.37 | 53.2 | 7.0      | 5580 | 81         | 5.05  | 53.2   |
|              | 112 | 106.2 | 13.7      | 4440 | 88         | 7.213 | 53.2 | 9.0      | 4610 | 87         | 5.02  | 53.2 | 27.3      | 4120 | 89         | 13.24 | 53.2 | 6.8      | 4710 | 86         | 3.92  | 53.2   |
|              | 125 | 119.4 | 12.1      | 4490 | 87         | 6.56  | 53.2 | 8.0      | 4650 | 86         | 4.55  | 53.2 | 24.3      | 4180 | 89         | 11.94 | 53.2 | 6.1      | 4750 | 86         | 3.51  | 53.2   |
|              | 140 | 146.2 | 9.9       | 5290 | 82         | 6.70  | 53.2 | 6.6      | 5580 | 81         | 4.74  | 53.2 | 19.8      | 4380 | 85         | 10.70 | 53.2 | 5.0      | 5580 | 80         | 3.62  | 53.2   |
|              | 160 | 161.4 | 9.0       | 5420 | 82         | 6.22  | 53.2 | 5.9      | 5580 | 80         | 4.34  | 53.2 | 18.0      | 4520 | 84         | 10.12 | 53.2 | 4.5      | 5580 | 80         | 3.28  | 53.2   |
|              | 212 | 222.1 | 6.5       | 5580 | 80         | 4.77  | 53.2 | 4.3      | 5580 | 79         | 3.20  | 53.2 | 13.1      | 4940 | 83         | 8.14  | 53.2 | 3.3      | 5580 | 78         | 2.45  | 53.2   |
|              | 250 | 249.7 | 5.8       | 5580 | 80         | 4.24  | 53.2 | 3.8      | 5580 | 79         | 2.84  | 53.2 | 11.6      | 5090 | 82         | 7.55  | 53.2 | 2.9      | 5580 | 77         | 2.20  | 53.2   |
| <b>C0941</b> | 160 | 160   | 9.1       | 4800 | 82         | 5.55  | 53.2 | 6.0      | 4800 | 82         | 3.68  | 53.2 | 18.1      | 4800 | 82         | 11.11 | 53.2 | 4.5      | 4800 | 82         | 2.78  | 53.2   |
|              | 180 | 177   | 8.2       | 4850 | 82         | 5.07  | 53.2 | 5.4      | 4850 | 82         | 3.36  | 53.2 | 16.4      | 4850 | 82         | 10.15 | 53.2 | 4.1      | 4850 | 82         | 2.54  | 53.2   |
|              | 212 | 225   | 6.4       | 4800 | 82         | 3.95  | 53.2 | 4.3      | 4800 | 82         | 2.62  | 53.2 | 12.9      | 4800 | 82         | 7.90  | 53.2 | 3.2      | 4800 | 82         | 1.98  | 53.2   |
|              | 250 | 249   | 5.8       | 4850 | 82         | 3.61  | 53.2 | 3.9      | 4850 | 82         | 2.39  | 53.2 | 11.6      | 4850 | 82         | 7.21  | 53.2 | 2.9      | 4850 | 82         | 1.80  | 53.2   |
|              | 280 | 282   | 5.1       | 4800 | 82         | 3.15  | 53.2 | 3.4      | 4800 | 82         | 2.09  | 53.2 | 10.3      | 4800 | 82         | 6.30  | 53.2 | 2.6      | 4800 | 82         | 1.58  | 53.2   |
|              | 320 | 314   | 4.6       | 4850 | 82         | 2.86  | 53.2 | 3.1      | 4850 | 82         | 1.89  | 53.2 | 9.2       | 4850 | 82         | 5.72  | 53.2 | 2.3      | 4850 | 82         | 1.43  | 53.2   |
|              | 360 | 359   | 4.0       | 4800 | 82         | 2.48  | 53.2 | 2.7      | 4800 | 82         | 1.64  | 53.2 | 8.1       | 4800 | 82         | 4.95  | 53.2 | 2.0      | 4800 | 82         | 1.24  | 53.2   |
|              | 400 | 407   | 3.6       | 4800 | 82         | 2.18  | 53.2 | 2.4      | 4800 | 82         | 1.45  | 53.2 | 7.1       | 4800 | 82         | 4.37  | 53.2 | 1.8      | 4800 | 82         | 1.09  | 53.2   |
|              | 450 | 452   | 3.2       | 4850 | 82         | 1.99  | 53.2 | 2.1      | 4850 | 82         | 1.32  | 53.2 | 6.4       | 4850 | 82         | 3.97  | 53.2 | 1.6      | 4850 | 82         | 0.99  | 53.2   |
|              | 500 | 485   | 3.0       | 4800 | 82         | 1.83  | 53.2 | 2.0      | 4800 | 82         | 1.21  | 53.2 | 6.0       | 4800 | 82         | 3.67  | 53.2 | 1.5      | 4800 | 82         | 0.92  | 53.2   |
|              | 560 | 558   | 2.6       | 4800 | 82         | 1.59  | 53.2 | 1.7      | 4800 | 82         | 1.05  | 53.2 | 5.2       | 4800 | 82         | 3.19  | 53.2 | 1.3      | 4800 | 82         | 0.80  | 53.2   |
|              | 630 | 649   | 2.2       | 4800 | 82         | 1.37  | 53.2 | 1.5      | 4800 | 82         | 0.91  | 53.2 | 4.5       | 4800 | 82         | 2.74  | 53.2 | 1.1      | 4800 | 82         | 0.68  | 53.2   |
|              | 710 | 727   | 2.0       | 4800 | 82         | 1.22  | 53.2 | 1.3      | 4800 | 82         | 0.81  | 53.2 | 4.0       | 4800 | 82         | 2.45  | 53.2 | 1.0      | 4800 | 82         | 0.61  | 53.2   |
|              | 800 | 774   | 1.9       | 4800 | 82         | 1.15  | 53.2 | 1.2      | 4800 | 82         | 0.76  | 53.2 | 3.7       | 4800 | 82         | 2.30  | 53.2 | 0.94     | 4800 | 82         | 0.57  | 53.2   |
|              | 900 | 918   | 1.6       | 4800 | 82         | 0.97  | 53.2 | 1.0      | 4800 | 82         | 0.64  | 53.2 | 3.2       | 4800 | 82         | 1.94  | 53.2 | 0.79     | 4800 | 82         | 0.48  | 53.2   |
|              | 10C | 980   | 1.5       | 4800 | 82         | 0.91  | 53.2 | 1.0      | 4800 | 82         | 0.60  | 53.2 | 3.0       | 4800 | 82         | 1.81  | 53.2 | 0.74     | 4800 | 82         | 0.45  | 53.2   |
|              | 11C | 1089  | 1.3       | 4800 | 80         | 0.84  | 53.2 | 0.88     | 4800 | 80         | 0.55  | 53.2 | 2.7       | 4800 | 80         | 1.67  | 53.2 | 0.67     | 4800 | 80         | 0.42  | 53.2   |
|              | 12C | 1216  | 1.2       | 4800 | 82         | 0.73  | 53.2 | 0.79     | 4800 | 82         | 0.48  | 53.2 | 2.4       | 4800 | 82         | 1.46  | 53.2 | 0.60     | 4800 | 82         | 0.37  | 53.2   |
|              | 14C | 1434  | 1.0       | 4800 | 82         | 0.62  | 53.2 | 0.67     | 4800 | 82         | 0.41  | 53.2 | 2.0       | 4800 | 82         | 1.24  | 53.2 | 0.51     | 4800 | 82         | 0.31  | 53.2   |
|              | 16C | 1538  | 0.94      | 5000 | 81         | 0.61  | 53.2 | 0.62     | 5000 | 81         | 0.40  | 53.2 | 1.9       | 5000 | 81         | 1.22  | 53.2 | 0.47     | 5000 | 81         | 0.30  | 53.2   |
|              | 18C | 1908  | 0.76      | 5000 | 81         | 0.49  | 53.2 | 0.50     | 5000 | 81         | 0.33  | 53.2 | 1.5       | 5000 | 81         | 0.98  | 53.2 | 0.38     | 5000 | 81         | 0.25  | 53.2   |
|              | 20C | 2107  | 0.69      | 5000 | 81         | 0.44  | 53.2 | 0.46     | 5000 | 81         | 0.29  | 53.2 | 1.4       | 5000 | 81         | 0.89  | 53.2 | 0.34     | 5000 | 81         | 0.22  | 53.2   |
|              | 22C | 2250  | 0.64      | 5000 | 81         | 0.42  | 53.2 | 0.43     | 5000 | 81         | 0.28  | 53.2 | 1.3       | 5000 | 81         | 0.83  | 53.2 | 0.32     | 5000 | 81         | 0.21  | 53.2   |
|              | 25C | 2484  | 0.58      | 5000 | 81         | 0.38  | 53.2 | 0.39     | 5000 | 81         | 0.25  | 53.2 | 1.2       | 5000 | 81         | 0.75  | 53.2 | 0.29     | 5000 | 81         | 0.19  | 53.2   |
|              | 28C | 2720  | 0.53      | 5000 | 81         | 0.34  | 53.2 | 0.35     | 5000 | 81         | 0.23  | 53.2 | 1.1       | 5000 | 81         | 0.69  | 53.2 | 0.27     | 5000 | 81         | 0.17  | 53.2   |
|              | 32C | 3334  | 0.43      | 5000 | 81         | 0.28  | 53.2 | 0.29     | 5000 | 81         | 0.19  | 53.2 | 0.87      | 5000 | 81         | 0.56  | 53.2 | 0.22     | 5000 | 81         | 0.14  | 53.2   |
|              | 36C | 3775  | 0.38      | 5000 | 81         | 0.25  | 53.2 | 0.25     | 5000 | 81         | 0.16  | 53.2 | 0.77      | 5000 | 81         | 0.50  | 53.2 | 0.19     | 5000 | 81         | 0.12  | 53.2   |
|              | 40C | 4167  | 0.35      | 5000 | 81         | 0.22  | 53.2 | 0.23     | 5000 | 81         | 0.15  | 53.2 | 0.70      | 5000 | 81         | 0.45  | 53.2 | 0.17     | 5000 | 81         | 0.11  | 53.2   |
|              | 45C | 4586  | 0.32      | 5000 | 80         | 0.21  | 53.2 | 0.21     | 5000 | 80         | 0.14  | 53.2 | 0.63      | 5000 | 80         | 0.41  | 53.2 | 0.16     | 5000 | 80         | 0.10  | 53.2   |
|              | 50C | 5112  | 0.28      | 5000 | 80         | 0.19  | 53.2 | 0.19     | 5000 | 80         | 0.12  | 53.2 | 0.57      | 5000 | 80         | 0.37  | 53.2 | 0.14     | 5000 | 80         | 0.093 | 53.2   |
|              | 56C | 5733  | 0.25      | 5000 | 80         | 0.17  | 53.2 | 0.17     | 5000 | 80         | 0.11  | 53.2 | 0.51      | 5000 | 80         | 0.33  | 53.2 | 0.13     | 5000 | 80         | 0.083 | 53.2</ |

# SERIES C

## RATINGS

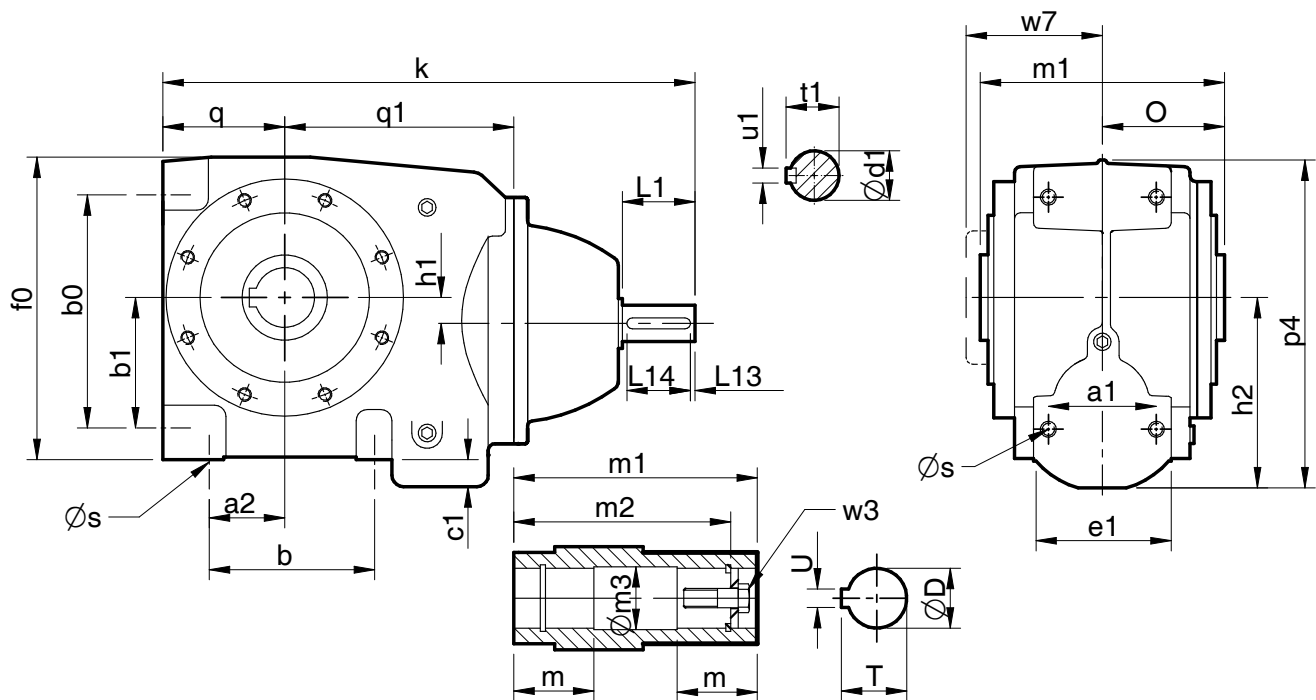
**Key:** Pm= Input Power (kW)    M2= Output Torque (Nm)    i= Exact Ratio    n2= Output Speed (rpm)    Fra = Overhung load (kN)

|              |     |       | n1 = 1450 |      |       |       |      | n1 = 960 |      |       |       |      | n1 = 2900 |      |       |        |      | n1 = 725 |      |       |       |      |
|--------------|-----|-------|-----------|------|-------|-------|------|----------|------|-------|-------|------|-----------|------|-------|--------|------|----------|------|-------|-------|------|
|              | in  | i     | n2        | M2   | η (%) | Pm    | Fra  | n2       | M2   | η (%) | Pm    | Fra  | n2        | M2   | η (%) | Pm     | Fra  | n2       | M2   | η (%) | Pm    | Fra  |
| <b>C1021</b> | 8.0 | 7.951 | 182.4     | 3730 | 94    | 75.77 | 47.8 | 120.7    | 3840 | 94    | 51.65 | 52.2 | 364.7     | 2690 | 93    | 110.47 | 0.0  | 91.2     | 3830 | 94    | 38.90 | 55.0 |
|              | 11. | 11.11 | 130.5     | 4300 | 94    | 62.52 | 51.2 | 86.4     | 5060 | 93    | 49.23 | 54.2 | 261.0     | 3170 | 94    | 92.17  | 0.0  | 65.3     | 5330 | 93    | 39.16 | 56.0 |
|              | 12. | 12.08 | 120.0     | 4450 | 94    | 59.50 | 52.1 | 79.5     | 5220 | 93    | 46.71 | 55.3 | 240.1     | 3290 | 93    | 88.93  | 0.0  | 60.0     | 5780 | 93    | 39.06 | 58.0 |
|              | 14. | 13.72 | 105.7     | 4680 | 94    | 55.10 | 53.9 | 70.0     | 5480 | 93    | 43.17 | 57.2 | 211.4     | 3490 | 93    | 83.06  | 0.0  | 52.8     | 6070 | 93    | 36.11 | 62.0 |
|              | 16. | 16.63 | 87.2      | 4730 | 91    | 47.46 | 60.1 | 57.7     | 5530 | 90    | 37.14 | 64.3 | 174.4     | 3520 | 89    | 72.22  | 47.8 | 43.6     | 5900 | 90    | 29.93 | 66.0 |
|              | 18. | 17.87 | 81.1      | 5180 | 93    | 47.32 | 57.8 | 53.7     | 6030 | 93    | 36.47 | 61.3 | 162.3     | 3930 | 94    | 71.05  | 48.0 | 40.6     | 6670 | 92    | 30.80 | 65.0 |
|              | 20. | 19.29 | 75.2      | 5330 | 93    | 45.11 | 59.4 | 49.8     | 6200 | 93    | 34.74 | 63.0 | 150.3     | 4060 | 94    | 67.99  | 50.0 | 37.6     | 6850 | 92    | 29.30 | 68.0 |
|              | 22. | 23.23 | 62.4      | 5390 | 90    | 39.14 | 65.4 | 41.3     | 5970 | 90    | 28.70 | 70.9 | 124.8     | 4080 | 90    | 59.26  | 52.0 | 31.2     | 6330 | 89    | 23.24 | 78.0 |
|              | 25. | 25.27 | 57.4      | 5540 | 90    | 36.99 | 66.3 | 38.0     | 6080 | 89    | 27.18 | 72.8 | 114.8     | 4230 | 90    | 56.48  | 52.5 | 28.7     | 6440 | 89    | 21.74 | 82.0 |
|              | 28. | 28.70 | 50.5      | 5710 | 90    | 33.56 | 67.9 | 33.4     | 6240 | 89    | 24.56 | 75.7 | 101.0     | 4460 | 90    | 52.43  | 53.0 | 25.3     | 6590 | 88    | 19.81 | 83.0 |
|              | 32. | 31.85 | 45.5      | 6400 | 92    | 33.16 | 63.9 | 30.1     | 7370 | 91    | 25.56 | 71.3 | 91.1      | 4960 | 93    | 50.85  | 53.5 | 22.8     | 8050 | 91    | 21.09 | 80.0 |
|              | 36. | 37.38 | 38.8      | 6060 | 90    | 27.35 | 72.3 | 25.7     | 6570 | 88    | 20.08 | 82.3 | 77.6      | 4950 | 90    | 44.68  | 55.3 | 19.4     | 6900 | 88    | 15.92 | 85.2 |
|              | 40. | 40.36 | 35.9      | 6150 | 89    | 26.00 | 74.0 | 23.8     | 6660 | 88    | 18.85 | 84.3 | 71.9      | 5100 | 90    | 42.64  | 56.7 | 18.0     | 6990 | 87    | 15.11 | 87.2 |
|              | 45. | 43.65 | 33.2      | 7140 | 91    | 27.29 | 69.4 | 22.0     | 8130 | 90    | 20.80 | 78.3 | 66.4      | 5580 | 93    | 41.74  | 58.0 | 16.6     | 8470 | 90    | 16.37 | 87.2 |
|              | 50. | 48.51 | 29.9      | 7390 | 91    | 25.42 | 71.5 | 19.8     | 8320 | 90    | 19.16 | 80.9 | 59.8      | 5800 | 92    | 39.46  | 60.0 | 14.9     | 8530 | 90    | 14.83 | 87.2 |
|              | 56. | 58.85 | 24.6      | 6620 | 88    | 19.41 | 83.4 | 16.3     | 7090 | 87    | 13.92 | 87.2 | 49.3      | 5740 | 89    | 33.28  | 62.0 | 12.3     | 7460 | 86    | 11.19 | 87.2 |
|              | 63. | 66.62 | 21.8      | 6770 | 88    | 17.53 | 86.8 | 14.4     | 7230 | 87    | 12.54 | 87.2 | 43.5      | 5910 | 89    | 30.27  | 63.0 | 10.9     | 7640 | 85    | 10.24 | 87.2 |
|              | 71. | 69.18 | 21.0      | 8250 | 90    | 20.12 | 79.4 | 13.9     | 8630 | 89    | 14.09 | 87.2 | 41.9      | 6590 | 92    | 31.44  | 64.0 | 10.5     | 8800 | 89    | 10.85 | 87.2 |
|              | 80. | 79.71 | 18.2      | 8390 | 90    | 17.76 | 83.3 | 12.0     | 8740 | 89    | 12.38 | 87.2 | 36.4      | 6920 | 91    | 28.97  | 67.4 | 9.1      | 8810 | 88    | 9.53  | 87.2 |
|              | 90. | 91.32 | 15.9      | 7120 | 86    | 13.77 | 87.2 | 10.5     | 7690 | 85    | 9.96  | 87.2 | 31.8      | 6310 | 89    | 23.58  | 69.5 | 7.9      | 8090 | 84    | 8.01  | 87.2 |
|              | 100 | 101.5 | 14.3      | 7240 | 86    | 12.59 | 87.2 | 9.5      | 7840 | 85    | 9.13  | 87.2 | 28.6      | 6440 | 88    | 21.89  | 75.5 | 7.1      | 8230 | 84    | 7.33  | 87.2 |
|              | 112 | 107.8 | 13.5      | 8650 | 89    | 13.69 | 87.2 | 8.9      | 8700 | 88    | 9.22  | 87.2 | 26.9      | 7650 | 91    | 23.68  | 77.0 | 6.7      | 8640 | 87    | 6.99  | 87.2 |
|              | 125 | 115.8 | 12.5      | 7980 | 89    | 11.76 | 87.2 | 8.3      | 7900 | 87    | 7.88  | 87.2 | 25.0      | 7820 | 90    | 22.79  | 79.4 | 6.3      | 7840 | 87    | 5.91  | 87.2 |
|              | 140 | 144.7 | 10.0      | 7760 | 85    | 9.58  | 87.2 | 6.6      | 8330 | 83    | 6.97  | 87.2 | 20.0      | 6860 | 87    | 16.55  | 81.0 | 5.0      | 8690 | 82    | 5.56  | 87.2 |
|              | 160 | 166.7 | 8.7       | 7960 | 84    | 8.63  | 87.2 | 5.8      | 8520 | 83    | 6.19  | 87.2 | 17.4      | 7020 | 86    | 14.87  | 84.5 | 4.3      | 8830 | 82    | 4.90  | 87.2 |
|              | 212 | 225.5 | 6.4       | 8370 | 83    | 6.79  | 87.2 | 4.3      | 8830 | 82    | 4.80  | 87.2 | 12.9      | 7400 | 85    | 11.72  | 87.2 | 3.2      | 8810 | 81    | 3.66  | 87.2 |
|              | 250 | 242.3 | 6.0       | 8470 | 83    | 6.39  | 87.2 | 4.0      | 8820 | 81    | 4.52  | 87.2 | 12.0      | 7510 | 85    | 11.07  | 87.2 | 3.0      | 8800 | 80    | 3.45  | 87.2 |
| <b>C1041</b> | 160 | 160   | 9.1       | 8330 | 83    | 9.52  | 87.2 | 6.0      | 8330 | 83    | 6.31  | 87.2 | 18.1      | 8330 | 83    | 19.05  | 87.2 | 4.5      | 8330 | 83    | 4.76  | 87.2 |
|              | 180 | 177   | 8.2       | 8150 | 83    | 8.42  | 87.2 | 5.4      | 8150 | 83    | 5.58  | 87.2 | 16.4      | 8150 | 83    | 16.85  | 87.2 | 4.1      | 8150 | 83    | 4.21  | 87.2 |
|              | 212 | 225   | 6.4       | 8330 | 83    | 6.77  | 87.2 | 4.3      | 8330 | 83    | 4.48  | 87.2 | 12.9      | 8330 | 83    | 13.55  | 87.2 | 3.2      | 8330 | 83    | 3.39  | 87.2 |
|              | 250 | 249   | 5.8       | 8150 | 83    | 5.99  | 87.2 | 3.9      | 8150 | 83    | 3.96  | 87.2 | 11.6      | 8150 | 83    | 11.97  | 87.2 | 2.9      | 8150 | 83    | 2.99  | 87.2 |
|              | 280 | 282   | 5.1       | 8330 | 83    | 5.40  | 87.2 | 3.4      | 8330 | 83    | 3.58  | 87.2 | 10.3      | 8330 | 83    | 10.81  | 87.2 | 2.6      | 8330 | 83    | 2.70  | 87.2 |
|              | 320 | 314   | 4.6       | 8150 | 83    | 4.75  | 87.2 | 3.1      | 8150 | 83    | 3.14  | 87.2 | 9.2       | 8150 | 83    | 9.50   | 87.2 | 2.3      | 8150 | 83    | 2.37  | 87.2 |
|              | 360 | 359   | 4.0       | 8330 | 83    | 4.24  | 87.2 | 2.7      | 8330 | 83    | 2.81  | 87.2 | 8.1       | 8330 | 83    | 8.49   | 87.2 | 2.0      | 8330 | 83    | 2.12  | 87.2 |
|              | 400 | 407   | 3.6       | 8330 | 83    | 3.74  | 87.2 | 2.4      | 8330 | 83    | 2.48  | 87.2 | 7.1       | 8330 | 83    | 7.49   | 87.2 | 1.8      | 8330 | 83    | 1.87  | 87.2 |
|              | 450 | 452   | 3.2       | 8150 | 83    | 3.30  | 87.2 | 2.1      | 8150 | 83    | 2.18  | 87.2 | 6.4       | 8150 | 83    | 6.60   | 87.2 | 1.6      | 8150 | 83    | 1.65  | 87.2 |
|              | 500 | 485   | 3.0       | 8330 | 83    | 3.14  | 87.2 | 2.0      | 8330 | 83    | 2.08  | 87.2 | 6.0       | 8330 | 83    | 6.28   | 87.2 | 1.5      | 8330 | 83    | 1.57  | 87.2 |
|              | 560 | 558   | 2.6       | 8330 | 83    | 2.73  | 87.2 | 1.7      | 8330 | 83    | 1.81  | 87.2 | 5.2       | 8330 | 83    | 5.46   | 87.2 | 1.3      | 8330 | 83    | 1.37  | 87.2 |
|              | 630 | 649   | 2.2       | 8330 | 83    | 2.35  | 87.2 | 1.5      | 8330 | 83    | 1.55  | 87.2 | 4.5       | 8330 | 83    | 4.70   | 87.2 | 1.1      | 8330 | 83    | 1.17  | 87.2 |
|              | 710 | 727   | 2.0       | 8330 | 83    | 2.10  | 87.2 | 1.3      | 8330 | 83    | 1.39  | 87.2 | 4.0       | 8330 | 83    | 4.19   | 87.2 | 1.0      | 8330 | 83    | 1.05  | 87.2 |
|              | 800 | 774   | 1.9       | 8330 | 83    | 1.97  | 87.2 | 1.2      | 8330 | 83    | 1.30  | 87.2 | 3.7       | 8330 | 83    | 3.94   | 87.2 | 0.94     | 8330 | 83    | 0.98  | 87.2 |
|              | 900 | 918   | 1.6       | 8330 | 83    | 1.66  | 87.2 | 1.0      | 8330 | 83    | 1.10  | 87.2 | 3.2       | 8330 | 83    | 3.32   | 87.2 | 0.79     | 8330 | 83    | 0.83  | 87.2 |
|              | 10C | 980   | 1.5       | 8330 | 83    | 1.55  | 87.2 | 0.98     | 8330 | 83    | 1.03  | 87.2 | 3.0       | 8330 | 83    | 3.11   | 87.2 | 0.74     | 8330 | 83    | 0.78  | 87.2 |
|              | 11C | 1089  | 1.3       | 8150 | 83    | 1.37  | 87.2 | 0.88     | 8150 | 83    | 0.91  | 87.2 | 2.7       | 8150 | 83    | 2.74   | 87.2 | 0.67     | 8150 | 83    | 0.68  | 87.2 |
|              | 12C | 1216  | 1.2       | 8330 | 83    | 1.25  | 87.2 | 0.79     | 8330 | 83    | 0.83  | 87.2 | 2.4       | 8330 | 83    | 2.51   | 87.2 | 0.60     | 8330 | 83    | 0.63  | 87.2 |
|              | 14C | 1434  | 1.0       | 8330 | 83    | 1.06  | 87.2 | 0.67     | 8330 | 83    | 0.70  | 87.2 | 2.0       | 8330 | 83    | 2.13   | 87.2 | 0.51     | 8330 | 83    | 0.53  | 87.2 |
|              | 16C | 1538  | 0.94      | 8420 | 82    | 1.01  | 87.2 | 0.62     | 8420 | 82    | 0.67  | 87.2 | 1.9       | 8420 | 82    | 2.03   | 87.2 | 0.47     | 8420 | 82    | 0.51  | 87.2 |
|              | 18C | 1908  | 0.76      | 8420 | 82    | 0.82  | 87.2 | 0.50     | 8420 | 82    | 0.54  | 87.2 | 1.5       | 8420 | 82    | 1.63   | 87.2 | 0.38     | 8420 | 82    | 0.41  | 87.2 |
|              | 20C | 2107  | 0.69      | 8440 | 82    | 0.74  | 87.2 | 0.46     | 8440 | 82    | 0.49  | 87.2 | 1.4       | 8440 | 82    | 1.48   | 87.2 | 0.34     | 8440 | 82    | 0.37  | 87.2 |
|              | 22C | 2250  | 0.64      | 8420 | 82    | 0.69  | 87.2 | 0.43     | 8420 | 82    | 0.46  | 87.2 | 1.3       | 8420 | 82    | 1.39   | 87.2 | 0.32     | 8420 | 82    | 0.35  | 87.2 |
|              | 25C | 2484  | 0.58      | 8440 | 82    | 0.63  | 87.2 | 0.39     | 8440 | 82    | 0.42  | 87.2 | 1.2       | 8440 | 82    | 1.26   | 87.2 | 0.29     | 8440 | 82    | 0.31  | 87.2 |
|              | 28C | 2720  | 0.53      | 8440 | 82    | 0.57  | 87.2 | 0.35     | 8440 | 82    | 0.38  | 87.2 | 1.1       | 8440 | 82    | 1.15   | 87.2 | 0.27     | 8440 | 82    | 0.29  | 87.2 |
|              | 32C | 3334  | 0.43      | 8440 | 82    | 0.47  | 87.2 | 0.29     | 8440 | 82    | 0.31  | 87.2 | 0.87      | 8440 | 82    | 0.94   | 87.2 | 0.22     | 8440 | 82    | 0.23  | 87.2 |
|              | 36C | 3775  | 0.38      | 8420 | 82    | 0.41  | 87.2 | 0.25     | 8420 | 82    | 0.27  | 87.2 | 0.77      | 8420 | 82    | 0.83   | 87.2 | 0.19     | 8420 | 82    | 0.21  | 87.2 |
|              | 40C | 4167  | 0.35      | 8440 | 82    | 0.38  | 87.2 | 0.23     | 8440 | 82    | 0.25  | 87.2 | 0.70      | 8440 | 82    | 0.75   | 87.2 | 0.17     | 8440 | 82    | 0.19  | 87.2 |
|              | 45C | 4586  | 0.32      | 8650 | 81    | 0.35  | 87.2 | 0.21     | 8650 | 81    | 0.23  | 87.2 | 0.63      | 8650 | 81    | 0.71   | 87.2 | 0.16     | 8650 | 81    | 0.18  | 87.2 |
|              | 50C | 5112  | 0.28      | 8650 | 81    | 0.32  | 87.2 | 0.19     | 8650 | 81    | 0.21  | 87.2 | 0.57      | 8650 | 81    | 0.63   | 87.2 | 0.14     | 8650 | 81    | 0.16  | 87.2 |
|              | 56C | 5733  | 0.25      | 8650 | 81    | 0.28  | 87.2 | 0.17     | 8650 | 81    | 0.19  | 87.2 | 0.51      | 8650 | 81    | 0.57   | 87.2 | 0.13     | 8650 | 81    | 0.14  | 8    |

# SERIES C

## DIMENSIONS

### DOUBLE REDUCTION



| Size  | a1 | a2 | b   | b0  | b1 | c1 | e1  | f0  | h1  | h2    | o  |
|-------|----|----|-----|-----|----|----|-----|-----|-----|-------|----|
| C0321 | 54 | 35 | 63  | 80  | 40 | 9  | 70  | 139 | 5.3 | 79.5  | 62 |
| C0421 | 56 | 35 | 80  | 118 | 65 | 7  | 80  | 158 | 15  | 93    | 65 |
| C0521 | 68 | 45 | 100 | 142 | 77 | 16 | 86  | 177 | 13  | 112   | 70 |
| C0621 | 80 | 56 | 122 | 172 | 96 | 20 | 102 | 218 | 17  | 139.5 | 90 |

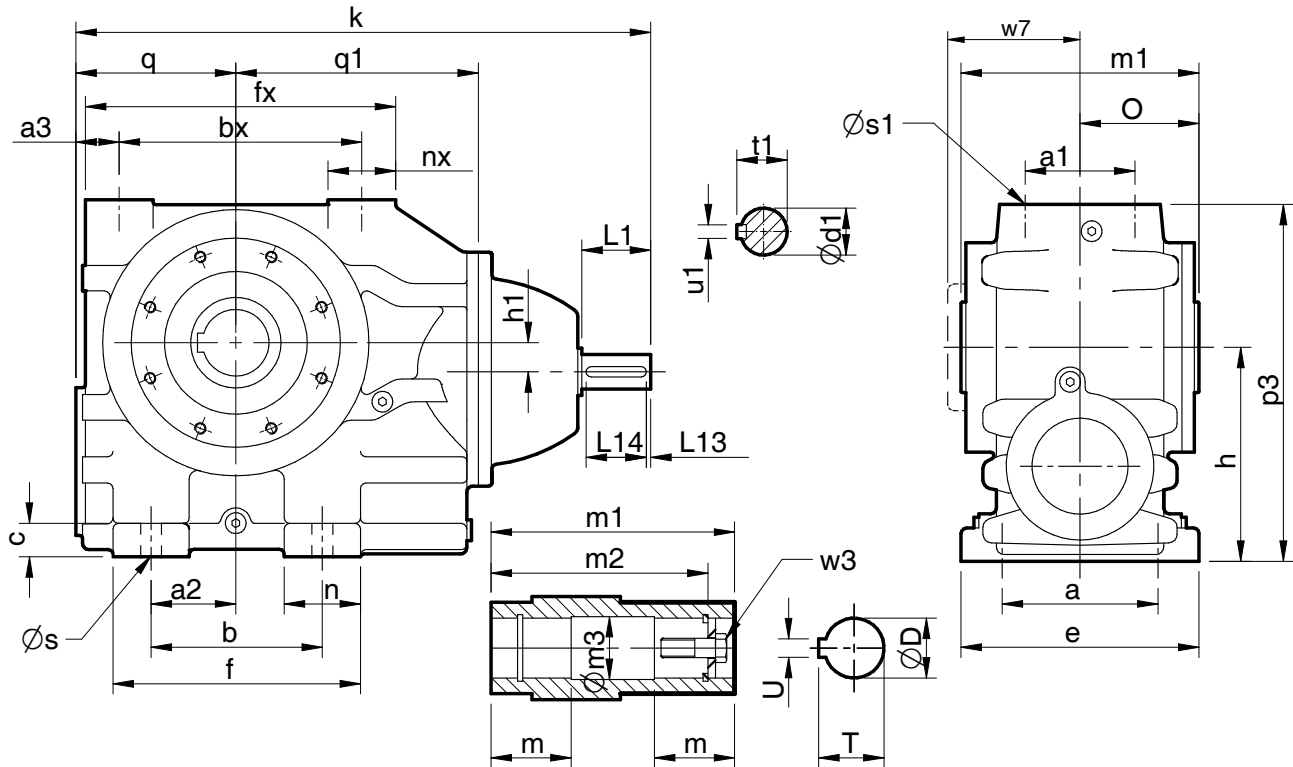
| Size  | p4  | q  | q1  | s              | w7   | k   |
|-------|-----|----|-----|----------------|------|-----|
| C0321 | 148 | 54 | 109 | M8 x1.25 x 15  | 70   | 274 |
| C0421 | 168 | 64 | 119 | M10 x1.5 x 20  | 74.5 | 294 |
| C0521 | 200 | 68 | 134 | M10 x1.5 x18   | 79   | 313 |
| C0621 | 243 | 90 | 169 | M12 x1.75 x 20 | 101  | 370 |

| Size  | d1    | L1 | L13 | L14 | t1   | u1 | D  | m  | m1  | m2  | m3   | T    | U  | w3            |
|-------|-------|----|-----|-----|------|----|----|----|-----|-----|------|------|----|---------------|
| C0321 | 16 k6 | 40 | 4   | 32  | 18   | 5  | 20 | 52 | 124 | 104 | 20.2 | 22.9 | 6  | M6x1.0 x 40   |
| C0421 | 16 k6 | 40 | 4   | 32  | 18   | 5  | 30 | 54 | 130 | 122 | 30.2 | 33.5 | 8  | M10x1.5 x 50  |
| C0521 | 16 k6 | 40 | 4   | 32  | 18   | 5  | 35 | 56 | 140 | 127 | 35.3 | 38.5 | 10 | M12x1.75 x 55 |
| C0621 | 19 k6 | 40 | 4   | 32  | 21.5 | 6  | 45 | 70 | 180 | 156 | 45.3 | 49   | 14 | M16x2.0 x 70  |

# SERIES C

## DIMENSIONS

### DOUBLE REDUCTION



| Size  | a   | a1  | a   | a3   | b2  | bx  | c  | e   | f   | fx  | h   | h1 | n   | nx  | o   |
|-------|-----|-----|-----|------|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|
| C0721 | 150 | 100 | 75  | 35,5 | 135 | 215 | 28 | 185 | 202 | 280 | 180 | 26 | 67  | 63  | 109 |
| C0821 | 200 | 120 | 92  | 43   | 180 | 250 | 35 | 250 | 260 | 326 | 225 | 28 | 80  | 71  | 125 |
| C0921 | 250 | 135 | 115 | 50   | 235 | 290 | 40 | 305 | 320 | 380 | 280 | 40 | 85  | 85  | 150 |
| C1021 | 300 | 150 | 170 | 62,5 | 310 | 345 | 45 | 360 | 420 | 460 | 335 | 65 | 110 | 107 | 175 |

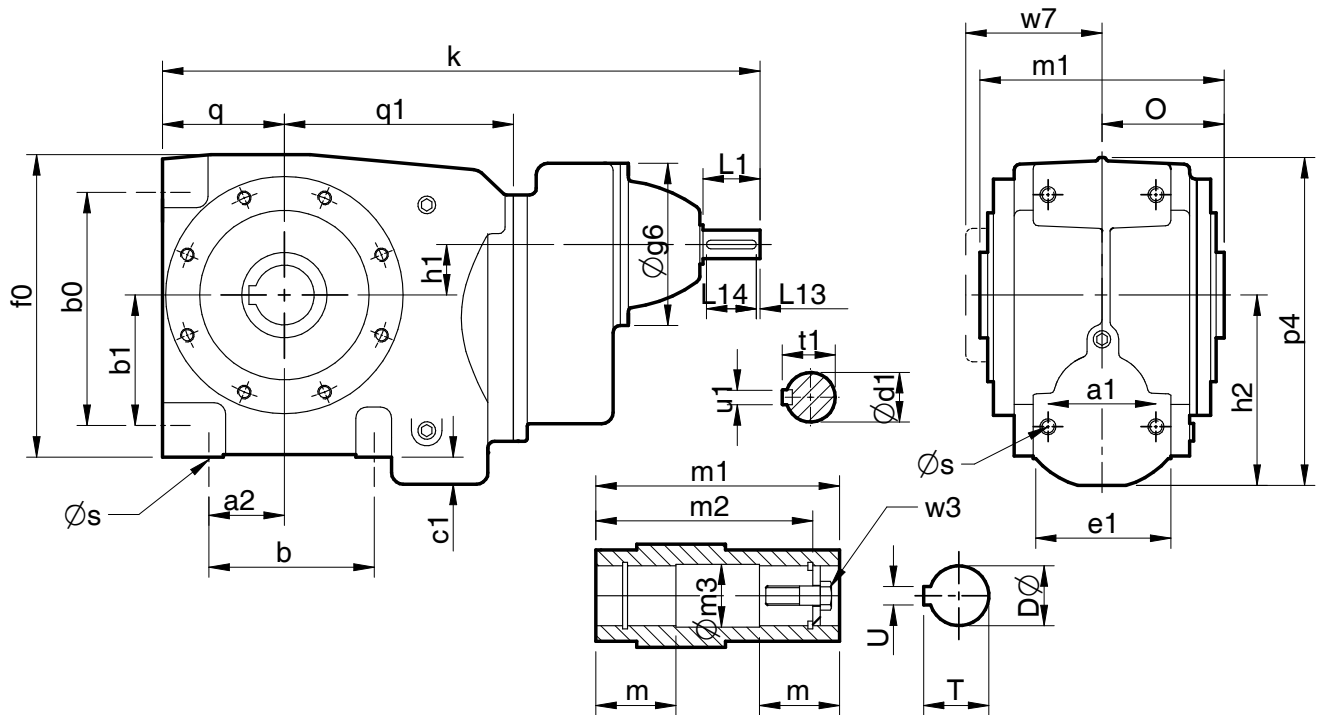
| Size  | p4  | q   | q1  | s  | s1             | w7  | k   |
|-------|-----|-----|-----|----|----------------|-----|-----|
| C0721 | 302 | 143 | 220 | 18 | M20 x 2,5 x 34 | 125 | 478 |
| C0821 | 375 | 168 | 255 | 22 | M20 x 2,5 x.34 | 143 | 583 |
| C0921 | 457 | 195 | 300 | 26 | M24 x 3.0 x 45 | 169 | 690 |
| C1021 | 565 | 235 | 355 | 26 | M24 x 3.0 x 45 | 198 | 823 |

| Size  | d1    | L1  | L13 | L14 | t1 | u1 | D   | m     | m1  | m2  | m3    | T     | U  | w3              |
|-------|-------|-----|-----|-----|----|----|-----|-------|-----|-----|-------|-------|----|-----------------|
| C0721 | 24 k6 | 50  | 5   | 40  | 27 | 8  | 60  | 79    | 218 | 188 | 60,5  | 64,6  | 18 | M20 x 2,5 x 80  |
| C0821 | 28 k6 | 60  | 5   | 50  | 31 | 8  | 70  | 90    | 250 | 220 | 70,5  | 75,1  | 20 | M20 x 2,5 x 80  |
| C0921 | 38 k6 | 80  | 5   | 70  | 41 | 10 | 90  | 107,5 | 300 | 265 | 90,5  | 95,6  | 25 | M24 x 3,0 x 110 |
| C1021 | 42 k6 | 110 | 10  | 70  | 45 | 12 | 100 | 132,5 | 350 | 313 | 100,5 | 106,6 | 28 | M24 x 3,0 x 110 |

# SERIES C

## DIMENSIONS

### TRIPLE REDUCTION



| Size  | a1 | a2 | b   | b0  | b1  | c1 | e1  | f0  | h1    | h2    | k   | o  |
|-------|----|----|-----|-----|-----|----|-----|-----|-------|-------|-----|----|
| C0331 | 54 | 35 | 63  | 80  | 40  | 9  | 70  | 139 | 30.75 | 79.5  | 330 | 62 |
| C0431 | 56 | 35 | 80  | 118 | 65  | 7  | 80  | 158 | 21.2  | 93    | 350 | 65 |
| C0531 | 68 | 46 | 100 | 14  | 277 | 16 | 86  | 177 | 23    | 11    | 369 | 70 |
| C0631 | 80 | 56 | 122 | 172 | 96  | 20 | 102 | 218 | 30    | 139.5 | 436 | 90 |

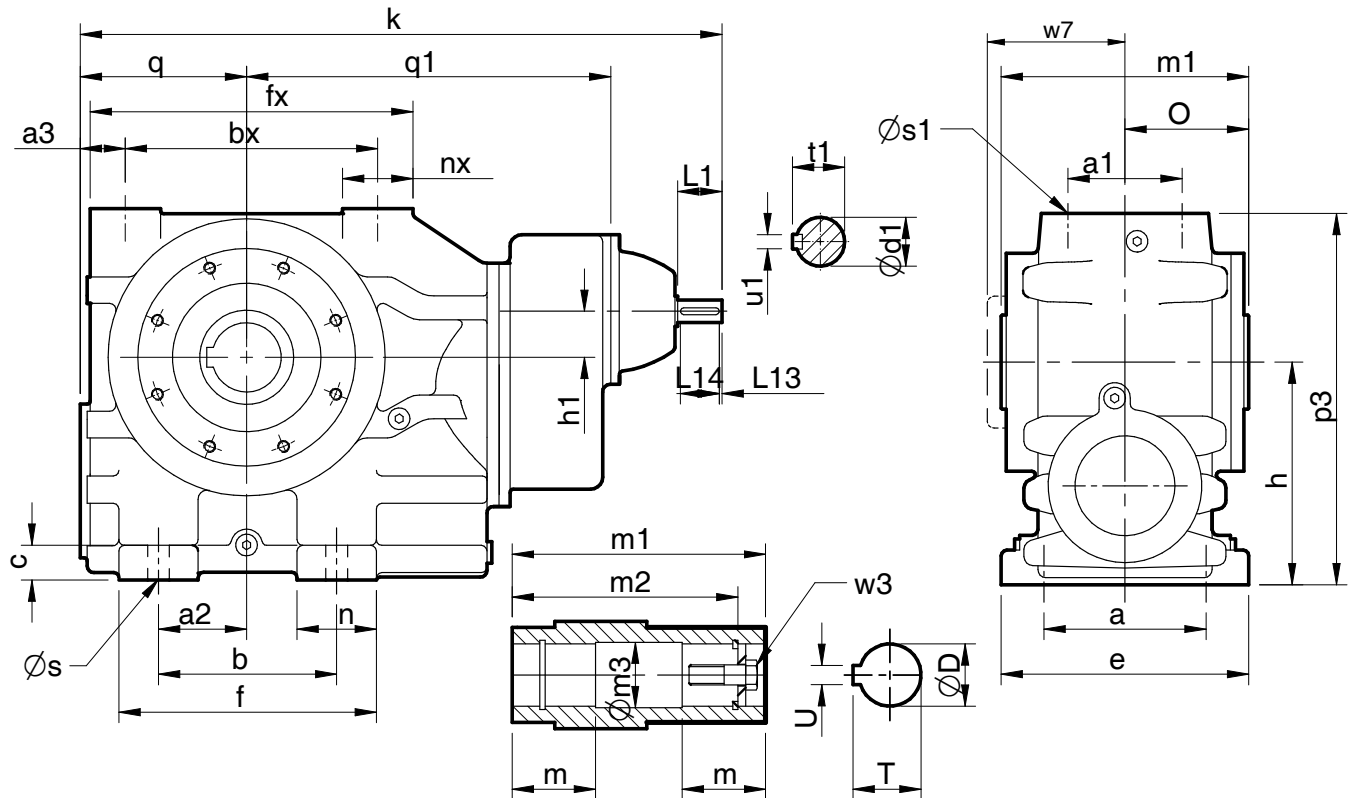
| Size  | p4  | q  | q1  | s               | w7   |
|-------|-----|----|-----|-----------------|------|
| C0331 | 148 | 54 | 109 | M8 x 1.25 x15   | 70   |
| C0431 | 168 | 64 | 119 | M10 x 1.5 x18   | 74.5 |
| C0531 | 200 | 68 | 134 | M10 x 1.5 x 18  | 79   |
| C0631 | 243 | 90 | 169 | M12 x 1.75 x 20 | 101  |

| Size  | d1    | L1 | L13 | L14 | t1   | u1 | D  | m  | m1  | m2  | m3   | T    | U  | w3              |
|-------|-------|----|-----|-----|------|----|----|----|-----|-----|------|------|----|-----------------|
| C0321 | 16 k6 | 40 | 4   | 32  | 18   | 5  | 20 | 52 | 124 | 104 | 20.2 | 22.9 | 6  | M6 x 1.0 x 40   |
| C0421 | 16 k6 | 40 | 4   | 32  | 18   | 5  | 30 | 54 | 130 | 122 | 30.2 | 33.5 | 8  | M10 x 1.5 x 50  |
| C0521 | 16 k6 | 40 | 4   | 32  | 18   | 5  | 35 | 56 | 140 | 127 | 35.3 | 38.5 | 10 | M12 x 1.75 x 55 |
| C0621 | 19 k6 | 40 | 4   | 32  | 21.5 | 6  | 45 | 70 | 180 | 156 | 45.3 | 49   | 14 | M16 x 2.0 x 70  |

# SERIES C

## DIMENSIONS

### TRIPLE REDUCTION



| Size         | a   | a1  | a2 | a3   | b   | bx  | c  | e   | f   | fx  | h   | h1 | k   | n  | nx | o   | p3  | q   | q1  |
|--------------|-----|-----|----|------|-----|-----|----|-----|-----|-----|-----|----|-----|----|----|-----|-----|-----|-----|
| <b>C0731</b> | 150 | 100 | 75 | 35.5 | 135 | 215 | 28 | 185 | 202 | 280 | 180 | 34 | 560 | 67 | 63 | 109 | 302 | 143 | 220 |

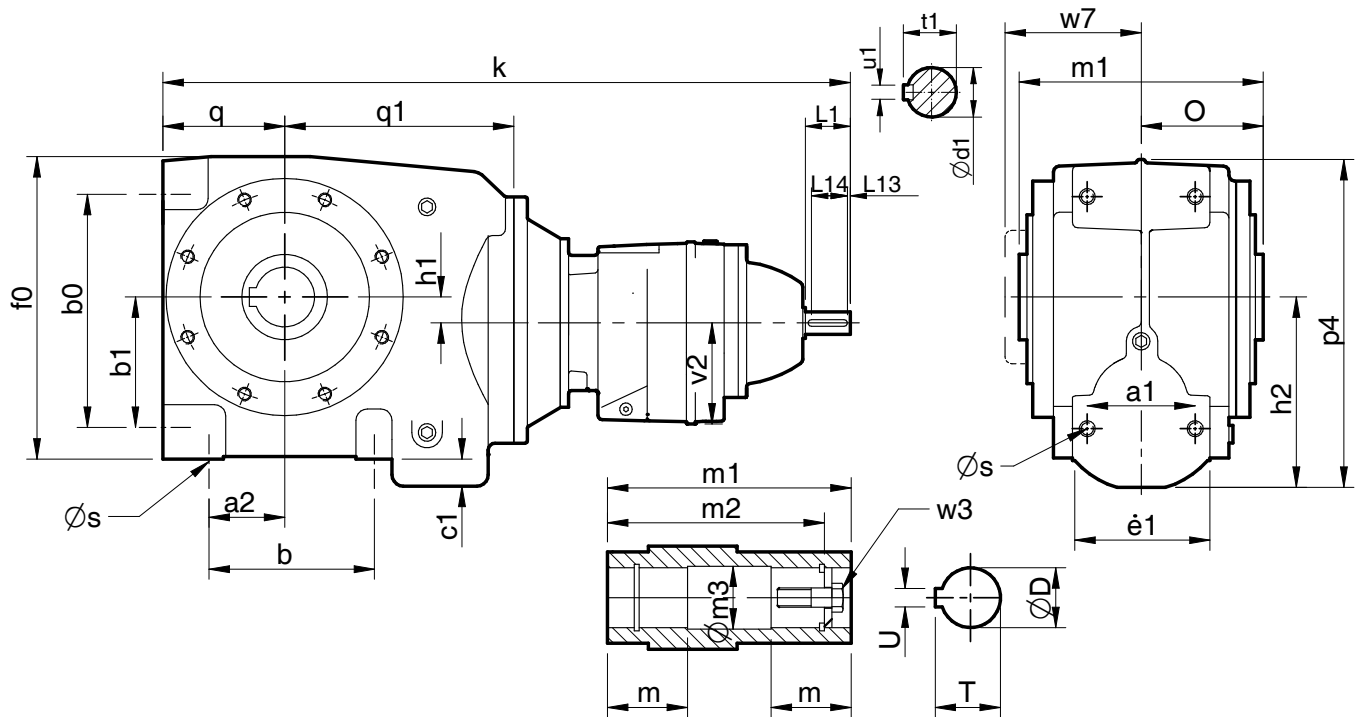
| Size         | p3  | q   | q1  | s  | s1            | w7  | g6  |
|--------------|-----|-----|-----|----|---------------|-----|-----|
| <b>C0731</b> | 302 | 143 | 220 | 18 | M20 x 2.5 x34 | 125 | 212 |

| Size         | d1    | L1 | L13 | L14 | t  | u1 | D  | m  | m1  | m2  | m3   | T    | U  | w3             |
|--------------|-------|----|-----|-----|----|----|----|----|-----|-----|------|------|----|----------------|
| <b>C0731</b> | 24 k6 | 50 | 5   | 40  | 27 | 8  | 60 | 79 | 218 | 188 | 60.5 | 64.6 | 18 | M20 x 2.5 x 80 |

# SERIES C

## DIMENSIONS

### QUADRUPLE REDUCTION



| Size         | a1 | a2 | b   | b0  | b1 | c1 | e1  | f0  | h1  | h2    | o  |
|--------------|----|----|-----|-----|----|----|-----|-----|-----|-------|----|
| <b>C0341</b> | 54 | 35 | 63  | 80  | 40 | 9  | 70  | 139 | 5.3 | 79.5  | 62 |
| <b>C0441</b> | 56 | 35 | 80  | 118 | 65 | 7  | 80  | 158 | 15  | 93    | 65 |
| <b>C0541</b> | 68 | 45 | 100 | 142 | 77 | 16 | 86  | 177 | 13  | 112   | 70 |
| <b>C0641</b> | 80 | 56 | 122 | 172 | 96 | 20 | 102 | 218 | 17  | 139.5 | 90 |

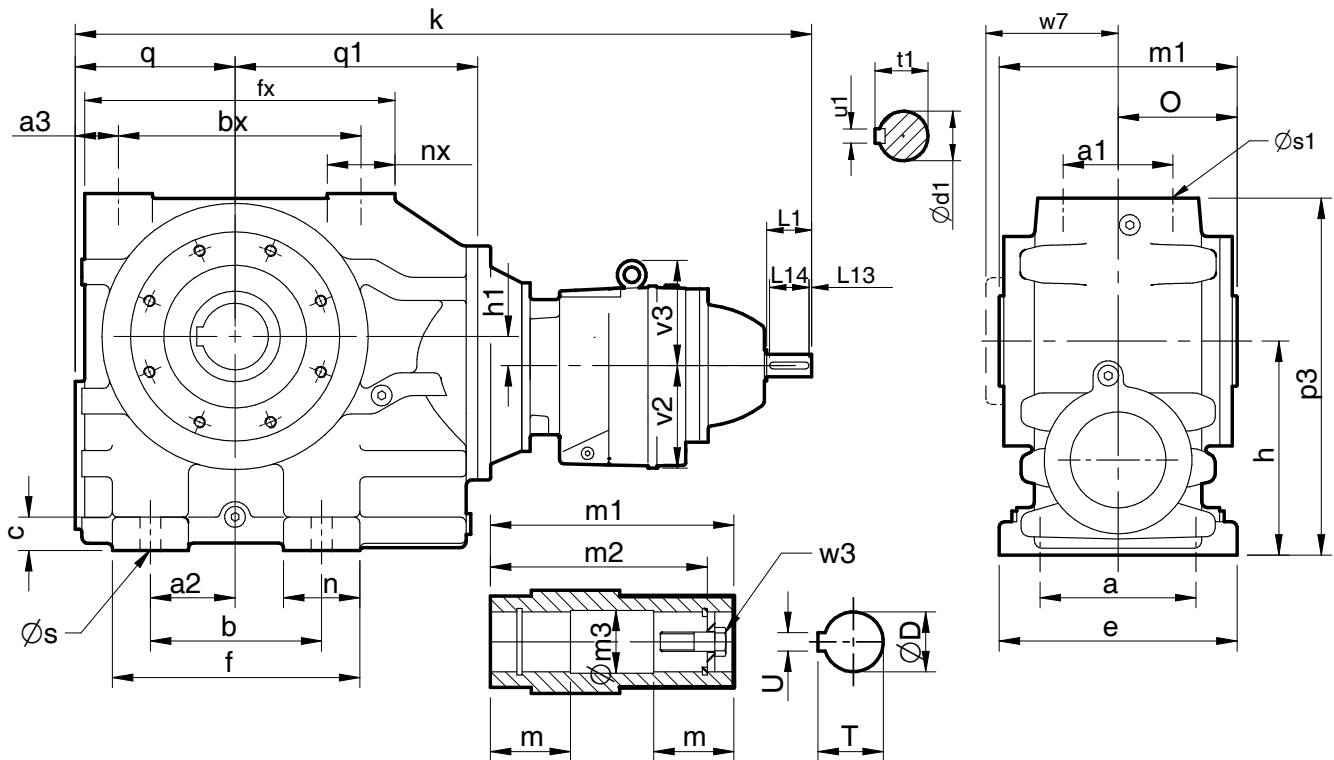
| Size         | p4  | q  | q1  | s              | v2 | w7   | k   |
|--------------|-----|----|-----|----------------|----|------|-----|
| <b>C0341</b> | 148 | 54 | 109 | M8 x1.25 x 15  | 76 | 70   | 460 |
| <b>C0441</b> | 168 | 64 | 119 | M10 x1.5 x 20  | 76 | 74.5 | 480 |
| <b>C0541</b> | 200 | 68 | 134 | M10 x1.5 x 18  | 76 | 79   | 499 |
| <b>C0641</b> | 243 | 90 | 169 | M12 x1.75 x 20 | 91 | 101  | 572 |

| Size         | d1    | L1 | L13 | L14 | t1 | u1 | D  | m  | m1  | m2  | m3   | T    | U  | w3             |
|--------------|-------|----|-----|-----|----|----|----|----|-----|-----|------|------|----|----------------|
| <b>C0341</b> | 16 k6 | 40 | 4   | 32  | 18 | 5  | 20 | 52 | 124 | 104 | 20.2 | 22.9 | 6  | M6 x1.0 x 40   |
| <b>C0441</b> | 16 k6 | 40 | 4   | 32  | 18 | 5  | 30 | 54 | 130 | 122 | 30.2 | 33.5 | 8  | M10 x1.5 x 50  |
| <b>C0541</b> | 16 k6 | 40 | 4   | 32  | 18 | 5  | 35 | 56 | 140 | 127 | 35.3 | 38.5 | 10 | M12 x1.75 x 55 |
| <b>C0641</b> | 16 k6 | 40 | 4   | 32  | 18 | 5  | 45 | 70 | 180 | 156 | 45.3 | 49   | 14 | M16 x2.0 x 70  |

# SERIES C

## DIMENSIONS

### QUADRUPLE REDUCTION



| Size         | a   | a1  | a2  | a3   | b   | bx  | c  | e   | f   | fx  | h   | h1 | n   | nx  | o   |
|--------------|-----|-----|-----|------|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|
| <b>C0741</b> | 150 | 100 | 75  | 35.5 | 135 | 215 | 28 | 185 | 202 | 280 | 180 | 26 | 67  | 63  | 109 |
| <b>C0841</b> | 200 | 120 | 92  | 43   | 180 | 250 | 35 | 250 | 260 | 326 | 225 | 28 | 80  | 71  | 125 |
| <b>C0941</b> | 250 | 135 | 115 | 50   | 235 | 290 | 40 | 305 | 320 | 380 | 280 | 40 | 85  | 85  | 150 |
| <b>C1041</b> | 300 | 150 | 170 | 62.5 | 310 | 345 | 45 | 360 | 420 | 460 | 335 | 65 | 110 | 107 | 175 |

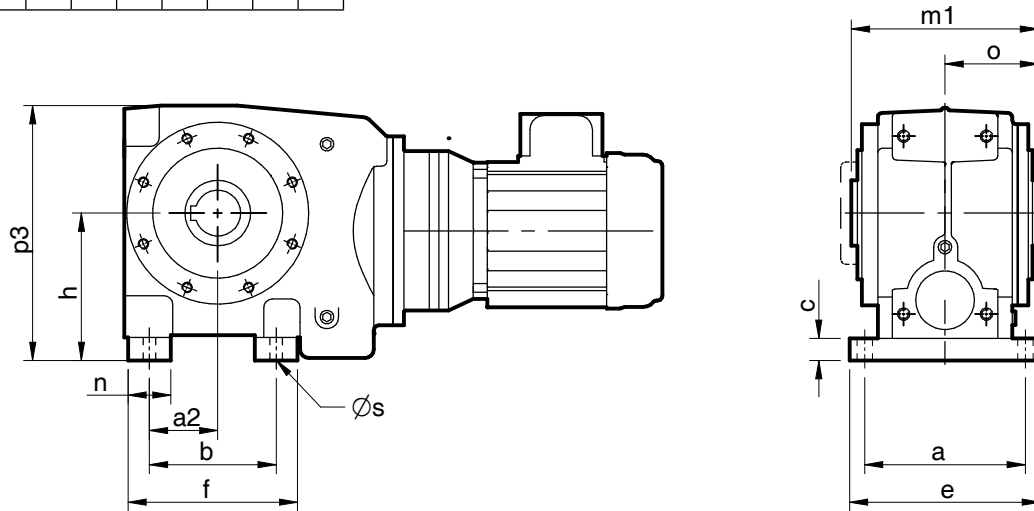
| Size         | p3  | q   | q1  | s  | s1             | v2  | v3  | w7  | k   |
|--------------|-----|-----|-----|----|----------------|-----|-----|-----|-----|
| <b>C0741</b> | 302 | 143 | 220 | 18 | M20 x 2.5 x 34 | 91  | -   | 125 | 677 |
| <b>C0841</b> | 375 | 168 | 255 | 22 | M20 x 2.5 x 34 | 115 | -   | 143 | 779 |
| <b>C0941</b> | 457 | 195 | 300 | 26 | M24 x 3.0 x 45 | 115 | -   | 169 | 862 |
| <b>C1041</b> | 565 | 235 | 355 | 26 | M24 x 3.0 x 45 | 140 | 155 | 198 | 997 |

| Size         | d1    | L1 | L13 | L14 | t1   | u1 | D   | m     | m1  | m2  | m3    | T     | U  | w3              |
|--------------|-------|----|-----|-----|------|----|-----|-------|-----|-----|-------|-------|----|-----------------|
| <b>C0741</b> | 16 k6 | 40 | 4   | 32  | 18   | 5  | 60  | 79    | 218 | 188 | 60.5  | 64.6  | 18 | M20 x 2.5 x 80  |
| <b>C0841</b> | 19 k6 | 40 | 4   | 32  | 21.5 | 6  | 70  | 90    | 250 | 220 | 70.5  | 75.1  | 20 | M20 x 2.5 x 80  |
| <b>C0941</b> | 19 k6 | 40 | 4   | 32  | 21.5 | 6  | 90  | 107.5 | 300 | 265 | 90.5  | 95.6  | 25 | M24 x 3.0 x 110 |
| <b>C1041</b> | 24 k6 | 50 | 5   | 40  | 27   | 8  | 100 | 132.5 | 350 | 313 | 100.5 | 106.6 | 28 | M24 x 3.0 x 110 |

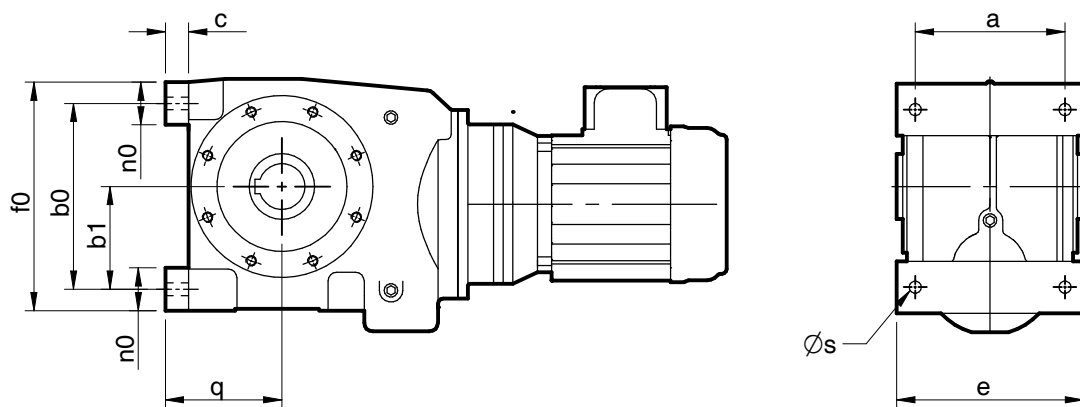
# SERIES C

## DIMENSIONS - FEET

|   |   |  |  |   |  |  |   |   |
|---|---|--|--|---|--|--|---|---|
| C | 0 |  |  | 2 |  |  | B | R |
|---|---|--|--|---|--|--|---|---|

**STANDARD UNIT WITH BASE MOUNTED FEET**


|   |   |  |  |   |  |  |   |   |
|---|---|--|--|---|--|--|---|---|
| C | 0 |  |  | 2 |  |  | E | R |
|---|---|--|--|---|--|--|---|---|

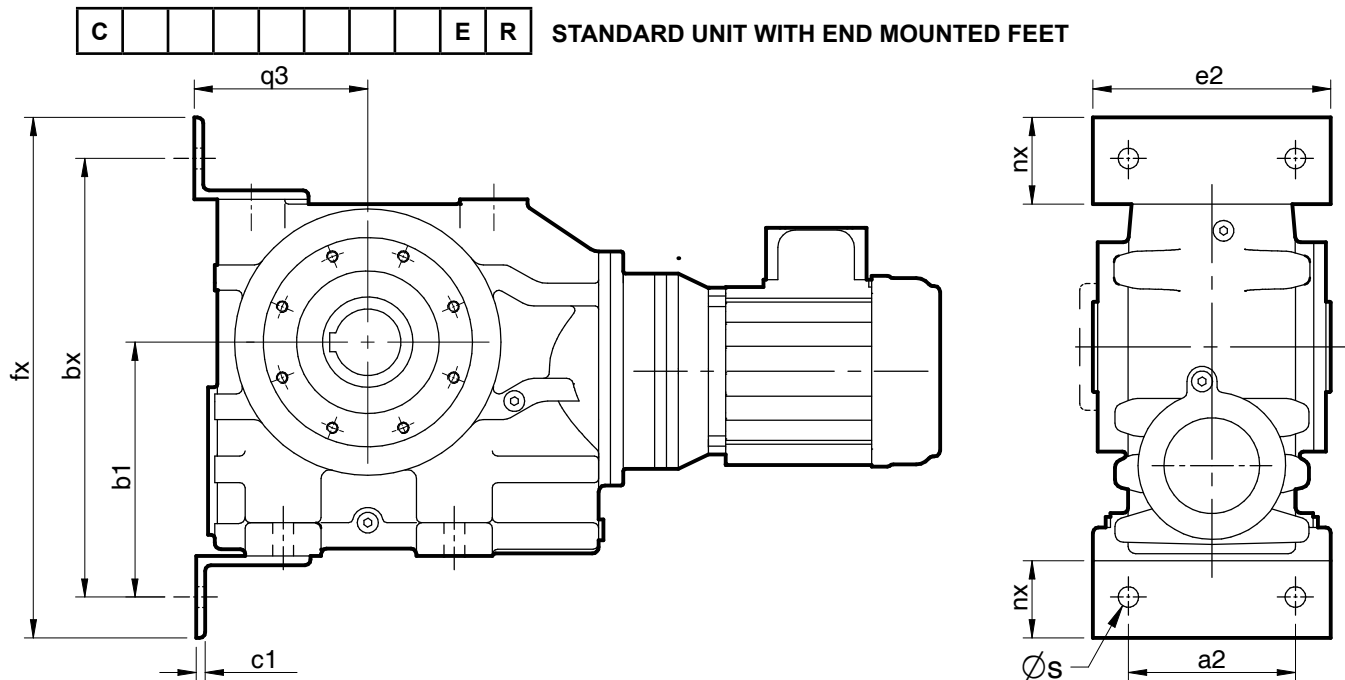
**STANDARD UNIT WITH END MOUNTED FEET**


| Size | a   | b   | b0  | b1  | c  | e   | f   | f0  | h   | n  | n0 | p3  | q   | q2 | s  |
|------|-----|-----|-----|-----|----|-----|-----|-----|-----|----|----|-----|-----|----|----|
| C03  | 90  | 63  | 80  | 40  | 9  | 110 | 88  | 105 | 80  | 25 | 25 | 148 | 63  | 35 | 9  |
| C04  | 100 | 80  | 118 | 65  | 14 | 124 | 115 | 153 | 100 | 35 | 35 | 175 | 78  | 35 | 11 |
| C05  | 110 | 100 | 142 | 77  | 16 | 136 | 140 | 182 | 112 | 40 | 40 | 200 | 84  | 45 | 11 |
| C06  | 130 | 130 | 180 | 100 | 20 | 160 | 172 | 222 | 140 | 50 | 50 | 243 | 110 | 60 | 14 |

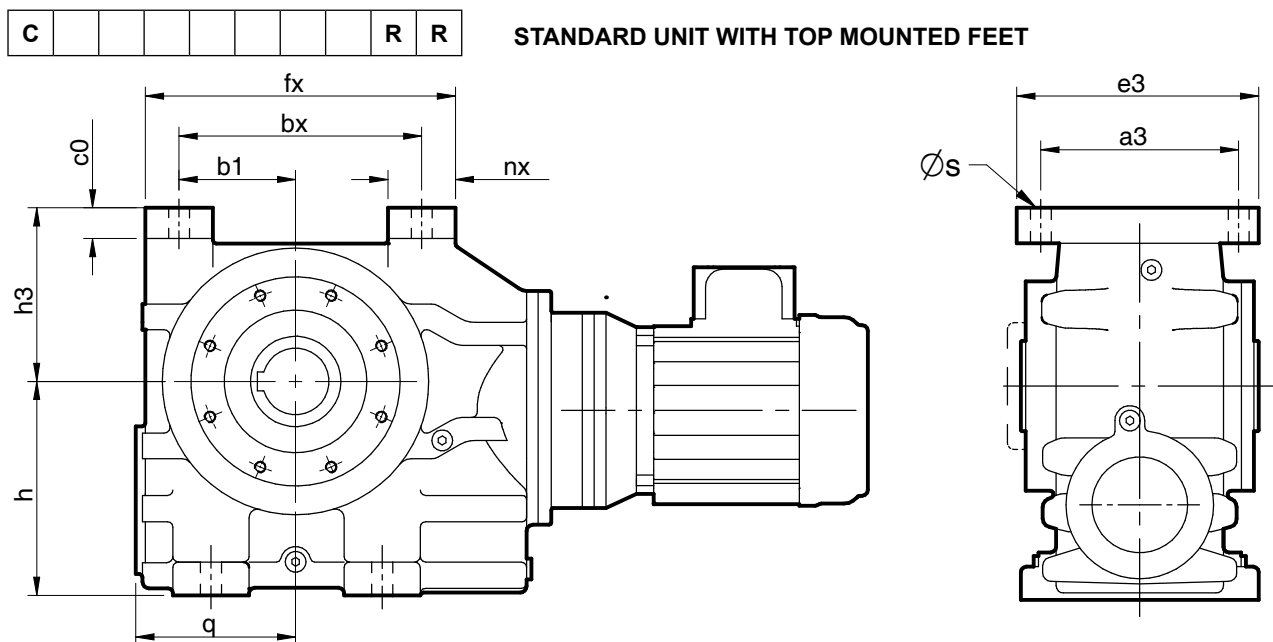
## SERIES C

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### DIMENSIONS - FEET



| Size | a2  | bx  | b1  | c1 | e2  | fx  | nx | q3  | s  |
|------|-----|-----|-----|----|-----|-----|----|-----|----|
| C07  | 170 | 392 | 225 | 12 | 220 | 452 | 75 | 162 | 22 |
| C08  | 200 | 465 | 270 | 12 | 250 | 525 | 75 | 187 | 22 |
| C09  | 250 | 557 | 330 | 15 | 305 | 637 | 90 | 220 | 26 |
| C10  | 300 | 665 | 385 | 15 | 360 | 745 | 90 | 260 | 26 |



| Size | a3  | b1    | bx  | co | e3  | fx  | h   | h3  | nx  | q   | s  |
|------|-----|-------|-----|----|-----|-----|-----|-----|-----|-----|----|
| C07  | 205 | 107.5 | 215 | 28 | 256 | 278 | 180 | 150 | 63  | 143 | 24 |
| C08  | 225 | 125   | 250 | 30 | 280 | 320 | 225 | 180 | 70  | 168 | 24 |
| C09  | 240 | 145   | 290 | 35 | 300 | 370 | 280 | 212 | 80  | 195 | 28 |
| C10  | 265 | 172.5 | 345 | 35 | 330 | 445 | 335 | 265 | 100 | 235 | 28 |

# SERIES C

## THERMAL POWER RATING

### Thermal Ratings kW

Thermal ratings are a measure of the units ability to dissipate heat, if they are exceeded the lubricant may break down resulting in premature gear failure.

The ratings listed below are true for horizontal mounting position 1 running continuously with an ambient temperature equal to 20°C. For other mounting positions, ambients and units operating intermittently multiply thermal power ratings by factors Ft, Fp and Fd as appropriate.

**Table 1 Thermal Power (kW)**

| Overall ratios | Input rpm | C03  | C04  | C05  | C06  | C07                               | C08  | C09  | C10  |
|----------------|-----------|------|------|------|------|-----------------------------------|------|------|------|
| 8 - 14         | 2900      | 2.80 | 3.85 | 4.69 | 5.1  | Consult our Application engineers |      |      |      |
|                | 1750      | 1.98 | 3.26 | 4.85 | 5.27 |                                   |      |      |      |
|                | 1450      | 1.73 | 2.85 | 4.41 | 4.46 | 5.71                              | 9.53 | 18.2 | 32.5 |
|                | 1160      | 1.45 | 2.40 | 3.89 | 3.91 | 5.71                              | 9.53 | 11.5 | 27.7 |
|                | 960       | 1.24 | 2.10 | 3.45 | 3.50 | 5.71                              | 9.53 | 11.2 | 24.6 |
|                | 725       | 1.07 | 1.69 | 2.70 | 2.79 | 5.31                              | 9.02 | 10.0 | 20.6 |
|                | 480       | 0.74 | 1.22 | 1.93 | 1.99 | 4.11                              | 7.12 | 9.85 | 14.6 |
|                | 250       | 0.47 | 0.63 | 1.09 | 1.12 | 2.36                              | 4.19 | 5.68 | 8.24 |
| 16 - 28        | 2900      | 1.70 | 2.76 | 3.07 | 3.73 | Consult our Application engineers |      |      |      |
|                | 1750      | 1.28 | 2.03 | 3.48 | 3.53 | 5.01                              | 7.79 | 13.6 | 22.5 |
|                | 1450      | 1.09 | 1.62 | 3.18 | 3.20 | 4.95                              | 7.41 | 12.9 | 19.4 |
|                | 1160      | 0.92 | 1.37 | 2.78 | 2.80 | 4.81                              | 7.27 | 11.8 | 17.0 |
|                | 960       | 0.83 | 1.26 | 2.45 | 2.49 | 4.48                              | 6.91 | 10.7 | 14.9 |
|                | 725       | 0.67 | 0.96 | 1.97 | 2.02 | 3.96                              | 6.91 | 8.71 | 12.4 |
|                | 480       | 0.47 | 0.66 | 1.64 | 1.66 | 2.90                              | 4.87 | 6.50 | 8.78 |
|                | 250       | 0.28 | 0.35 | 0.89 | 0.92 | 1.74                              | 2.95 | 3.99 | 4.93 |
| > 28           | 2900      | 1.22 | 2.15 | 3.20 | 4.41 | 7.26                              | 9.64 | 18.6 | 36.1 |
|                | 1750      | 0.84 | 1.44 | 2.35 | 3.70 | 5.44                              | 7.35 | 13.0 | 23.3 |
|                | 1450      | 0.69 | 1.15 | 2.05 | 3.26 | 4.88                              | 7.32 | 11.6 | 20.1 |
|                | 1160      | 0.57 | 0.95 | 1.72 | 2.79 | 4.44                              | 7.06 | 10.9 | 16.6 |
|                | 960       | 0.51 | 0.85 | 1.55 | 2.43 | 3.97                              | 6.47 | 8.76 | 14.1 |
|                | 725       | 0.40 | 0.66 | 1.18 | 1.78 | 3.53                              | 5.15 | 7.25 | 11.0 |
|                | 480       | 0.33 | 0.45 | 0.87 | 1.28 | 2.50                              | 3.70 | 5.37 | 7.53 |
|                | 250       | 0.18 | 0.30 | 0.54 | 0.70 | 1.33                              | 2.25 | 2.97 | 4.07 |

**Table 2. Thermal service factor Ft**

Thermal service factor for ambient temperature

| Ambient temperature | -30  | -20  | -10  | 0    | 10   | 20  | 30   | 40   | 50   |
|---------------------|------|------|------|------|------|-----|------|------|------|
| Factor              | 1.68 | 1.55 | 1.41 | 1.27 | 1.14 | 1.0 | 0.84 | 0.68 | 0.50 |

**Table 3. Thermal service factor Fp**

Thermal service factor for mounting positions

| Unit Output Speed (Rev/min) |    |     | Mounting Position |       |       |       |       |
|-----------------------------|----|-----|-------------------|-------|-------|-------|-------|
|                             |    |     | 1                 | 2 & 3 | 4     | 5     | 6     |
| 0                           | to | 25  | 1.00              | 0.997 | 0.996 | 0.995 | 0.993 |
| >25                         | to | 50  | 1.00              | 0.993 | 0.990 | 0.986 | 0.982 |
| >50                         | to | 75  | 1.00              | 0.987 | 0.981 | 0.974 | 0.968 |
| >75                         | to | 100 | 1.00              | 0.980 | 0.970 | 0.960 | 0.950 |
| >100                        | to | 200 | 1.00              | 0.943 | 0.914 | 0.886 | 0.858 |
| >200                        | to | 300 | 1.00              | 0.896 | 0.844 | 0.792 | 0.840 |
| >300                        | to | 400 | 1.00              | 0.840 | 0.760 | 0.680 | 0.600 |
| >400                        |    |     | 1.00              | 0.809 | 0.724 | 0.618 | 0.533 |

**Table 4. Thermal service factor Fd**

Thermal service factor for duration of running

| Unit Output Speed (Rev/min) |    |     | % Running time per hour |      |      |      |      |
|-----------------------------|----|-----|-------------------------|------|------|------|------|
|                             |    |     | 100                     | 80   | 60   | 40   | 20   |
| 0                           | to | 10  | 1.00                    | 1.18 | 1.45 | 1.72 | 2.38 |
| >10                         | to | 25  | 1.00                    | 1.16 | 1.39 | 1.64 | 2.22 |
| >25                         | to | 50  | 1.00                    | 1.14 | 1.31 | 1.54 | 2.00 |
| >50                         | to | 100 | 1.00                    | 1.08 | 1.19 | 1.33 | 1.64 |
| >100                        | to | 150 | 1.00                    | 1.04 | 1.08 | 1.19 | 1.41 |
| >150                        | to | 200 | 1.00                    | 1.00 | 1.00 | 1.06 | 1.23 |
| >200                        |    |     | 1.00                    | 1.00 | 1.00 | 1.00 | 1.00 |

**Table 5. Thermal Power (Kw) With Cooling Fan**

| Overall ratios | Input RPM | C03 | C04 | C05 | C06 | C07                               | C08  | C09  | C10  |
|----------------|-----------|-----|-----|-----|-----|-----------------------------------|------|------|------|
| 8 - 14         | 2900      | -   | -   | -   | -   | Consult our Application engineers |      |      |      |
|                | 1750      | -   | -   | -   | -   |                                   |      |      |      |
|                | 1450      | -   | -   | -   | -   | 11,4                              | 19,1 | 36,4 | 65,0 |
|                | 1160      | -   | -   | -   | -   | 10,6                              | 17,6 | 22,5 | 52,2 |
|                | 960       | -   | -   | -   | -   | 10,0                              | 16,7 | 19,6 | 43,0 |
|                | 725       | -   | -   | -   | -   | 8,00                              | 13,5 | 15,0 | 30,9 |
| >14            | 2900      | -   | -   | -   | -   | Consult our Application engineers |      |      |      |
|                | 1750      | -   | -   | -   | -   | 11,3                              | 17,7 | 30,9 | 51,2 |
|                | 1450      | -   | -   | -   | -   | 11,2                              | 17,5 | 30,6 | 50,6 |
|                | 1160      | -   | -   | -   | -   | 9,90                              | 14,8 | 25,8 | 38,8 |
|                | 960       | -   | -   | -   | -   | 8,90                              | 13,4 | 21,8 | 31,5 |
|                | 725       | -   | -   | -   | -   | 7,84                              | 12,1 | 18,7 | 26,1 |

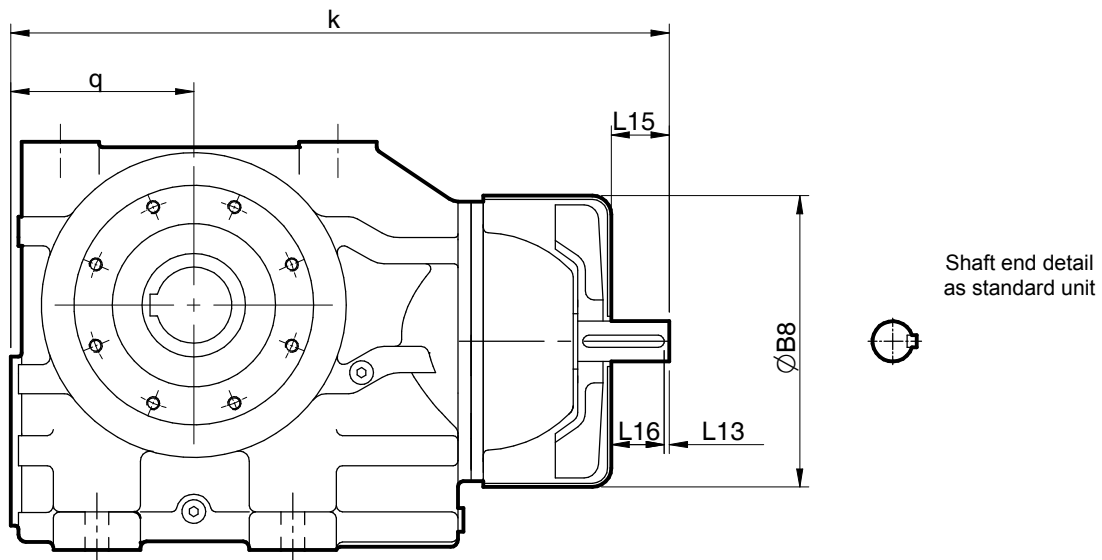
Note: When checking thermal capacities use actual load required to be transmitted, not rating of prime mover.

### Column 10 Entry

For reducer fan kit modules enter S in column 10  
or if used in conjunction with a reducer backstop module kit

Y CW rotation  
Z CCW rotation

### Dimensions of Fan Cooled Units



| Size  | ØB8 | k   | L13 | L15 | L16 | q   |
|-------|-----|-----|-----|-----|-----|-----|
| C0721 | 225 | 478 | 5   | 35  | 30  | 143 |
| C0821 | 265 | 583 | 5   | 45  | 40  | 168 |
| C0921 | 320 | 690 | 5   | 65  | 60  | 195 |
| C1021 | 380 | 823 | 10  | 95  | 85  | 235 |

## REDUCER BACKSTOP MODULE

The reducer units listed below can be fitted with an internal backstop, this has no effect of the external unit size. The backstop device incorporates high quality centrifugal lift off sprags which are wear free above the lift off speed (n min). To ensure correct operation input speed must exceed lift off speed.

Suitable for ambient temperature -40°C to + 50°C

### Column 10 Entry

For reducer fan kit modules enter

**W**

for CCW rotation (or

**X**

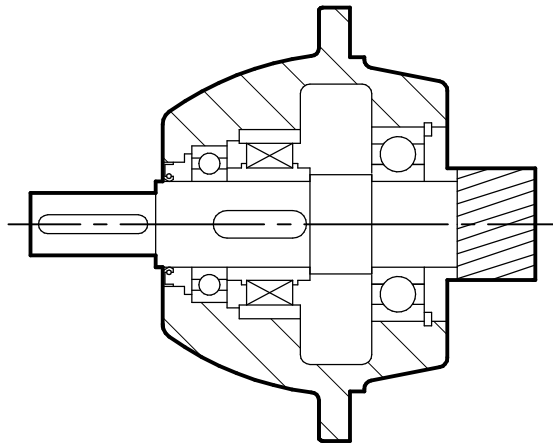
for CW rotation (or

**Z**

if used in conjunction with a fan kit)

**Y**

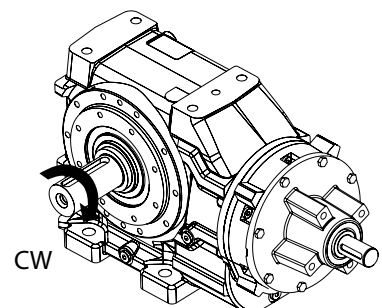
if used in conjunction with a fan kit)



| Size                     | Lift off speed<br>( $n_{min}$ )<br>at inputshaft<br>(rev/min) | Rated locking<br>Torque ('T max')<br>at inputshaft<br>(Nm) |
|--------------------------|---------------------------------------------------------------|------------------------------------------------------------|
| <b>C0622/C0842/C0941</b> | 800                                                           | 100                                                        |
| <b>C0722/C1041</b>       | 670                                                           | 170                                                        |
| <b>C0822</b>             | 670                                                           | 300                                                        |
| <b>C0921</b>             | 620                                                           | 940                                                        |
| <b>C1021</b>             | 550                                                           | 1260                                                       |

Rotation of outputshaft must be specified when ordering as viewed from the outputshaft end (as shown in the diagram)

|    |   |               |   |               |
|----|---|---------------|---|---------------|
| CW | - | Free Rotation | - | Clockwise     |
|    |   | Locked        | - | Anticlockwise |
| AC | - | Free Rotation | - | Anticlockwise |
|    |   | Locked        | - | Clockwise     |



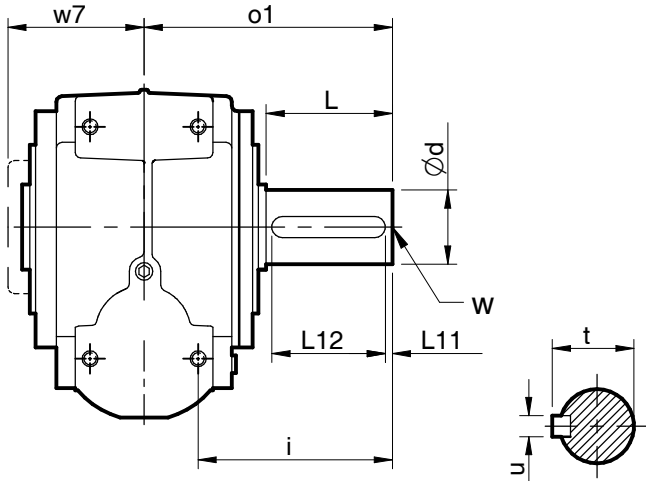
# SERIES C

## DIMENSIONS

## OUTPUTSHAFT OPTIONS

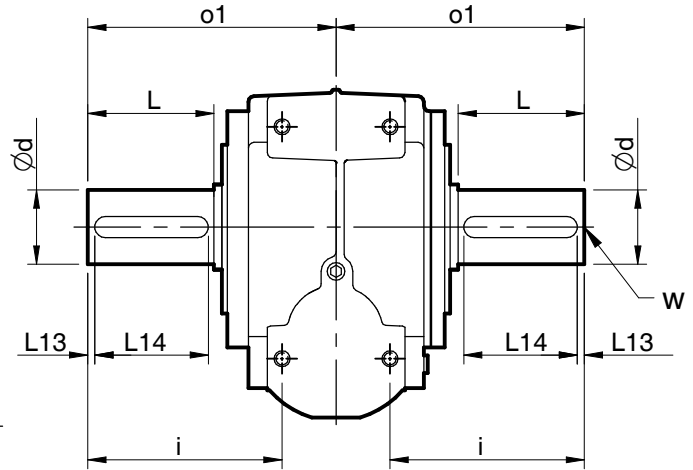
### STANDARD OUTPUTSHAFT OPTION

C03 - C06

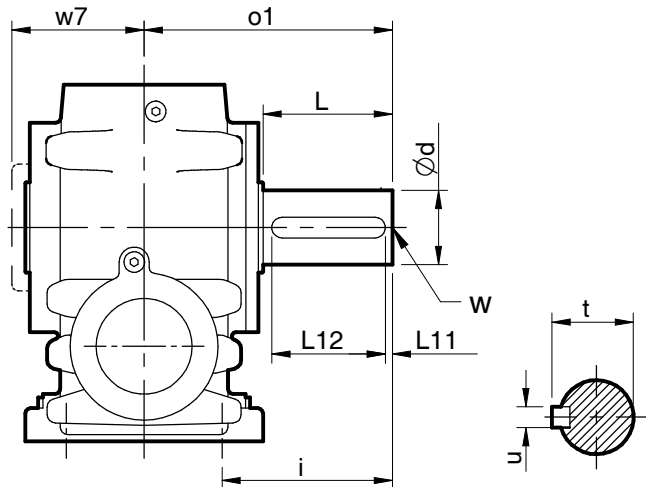


### STANDARD DOUBLE EXTENDED OUTPUTSHAFT OPTION

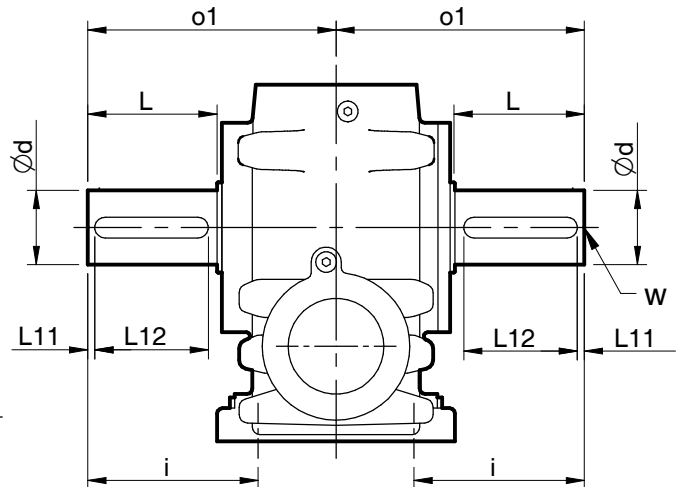
C03 - C06



C07 - C10

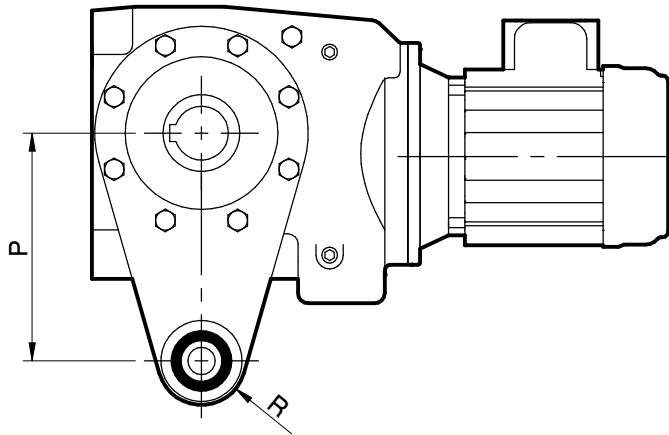


C07 - C10



| Size                    | ød              | i   | L   | L11 | L12 | o1  | t    | u  | w               | w7   |
|-------------------------|-----------------|-----|-----|-----|-----|-----|------|----|-----------------|------|
| <b>C0321</b>            | 20,015 / 20,002 | 73  | 35  | 3   | 31  | 100 | 22,5 | 6  | M8 x 1.0 x 16   | 70   |
| <b>C0421</b>            | 25,015 / 25,002 | 87  | 46  | 3   | 42  | 115 | 28   | 8  | M10 x 1.5 x 22  | 74,8 |
| <b>C0521</b>            | 30,015 / 30,002 | 100 | 60  | 3   | 53  | 134 | 33   | 8  | M10 x 1.5 x 22  | 79   |
| <b>C0621</b>            | 35,018 / 35,002 | 120 | 63  | 3   | 55  | 160 | 38   | 10 | M12 x 1.75 x 25 | 101  |
| <b>C0621 Heavy duty</b> | 45,018 / 45,002 | 155 | 98  | 5   | 80  | 195 | 48,5 | 14 | M12 x 1.75 x 25 | 101  |
| <b>C0721</b>            | 45,018 / 45,002 | 120 | 76  | 3   | 70  | 195 | 48,5 | 14 | M16 x 2.0 x 36  | 125  |
| <b>C0821</b>            | 60,030 / 60,011 | 155 | 120 | 3   | 110 | 255 | 64   | 18 | M20 x 2.5 x 42  | 143  |
| <b>C0921</b>            | 70,030 / 70,011 | 170 | 135 | 3   | 125 | 295 | 74,5 | 20 | M20 x 2.5 x 42  | 169  |
| <b>C1021</b>            | 90,035 / 90,013 | 216 | 170 | 3   | 160 | 366 | 95   | 25 | M24 x 3.0 x 50  | 198  |

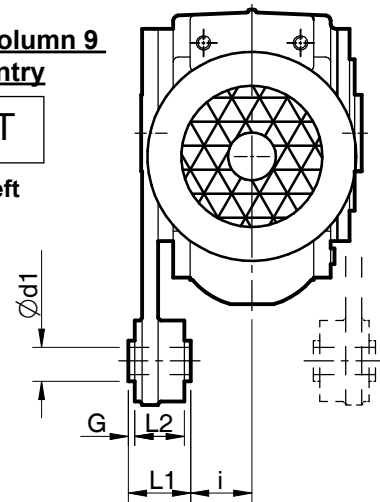
It is recommended that the torque arm is positioned such that the it is fitted on the side of the unit adjacent to the driven machine.



**Column 9  
Entry**

**T**

Left

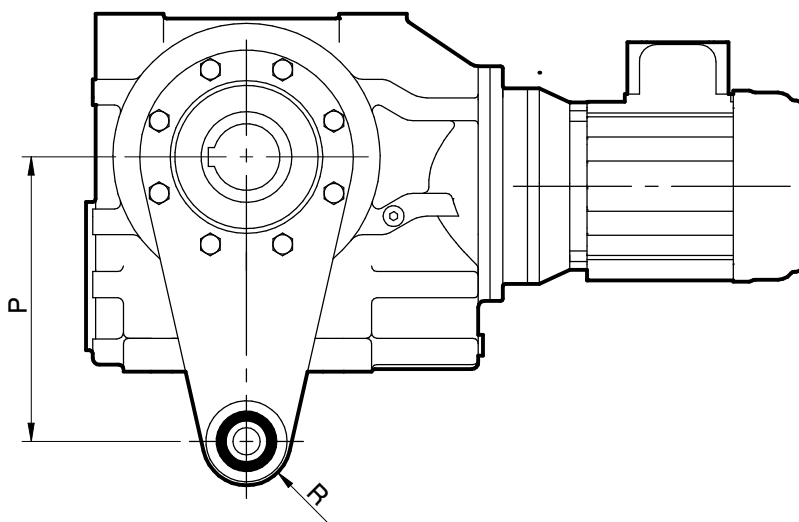


**Column 9  
Entry**

**Q**

Right

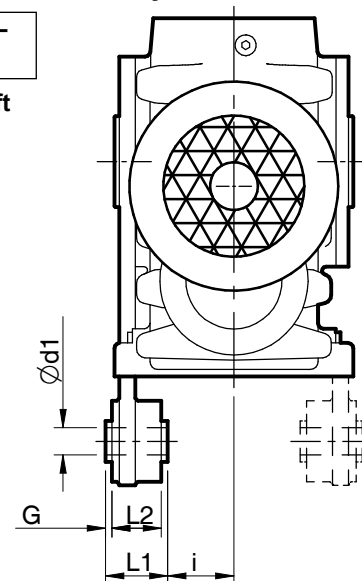
| Size | d1   | G | i    | L1 | L2 | P   | R  |
|------|------|---|------|----|----|-----|----|
| C03  | 10.3 | 2 | 47   | 36 | 32 | 110 | 23 |
| C04  | 10.3 | 2 | 52   | 36 | 32 | 130 | 23 |
| C05  | 10.3 | 2 | 52   | 36 | 32 | 160 | 23 |
| C06  | 16.3 | 2 | 71.5 | 44 | 32 | 200 | 38 |



**Column 9 Entry**

**T**

Left



**Q**

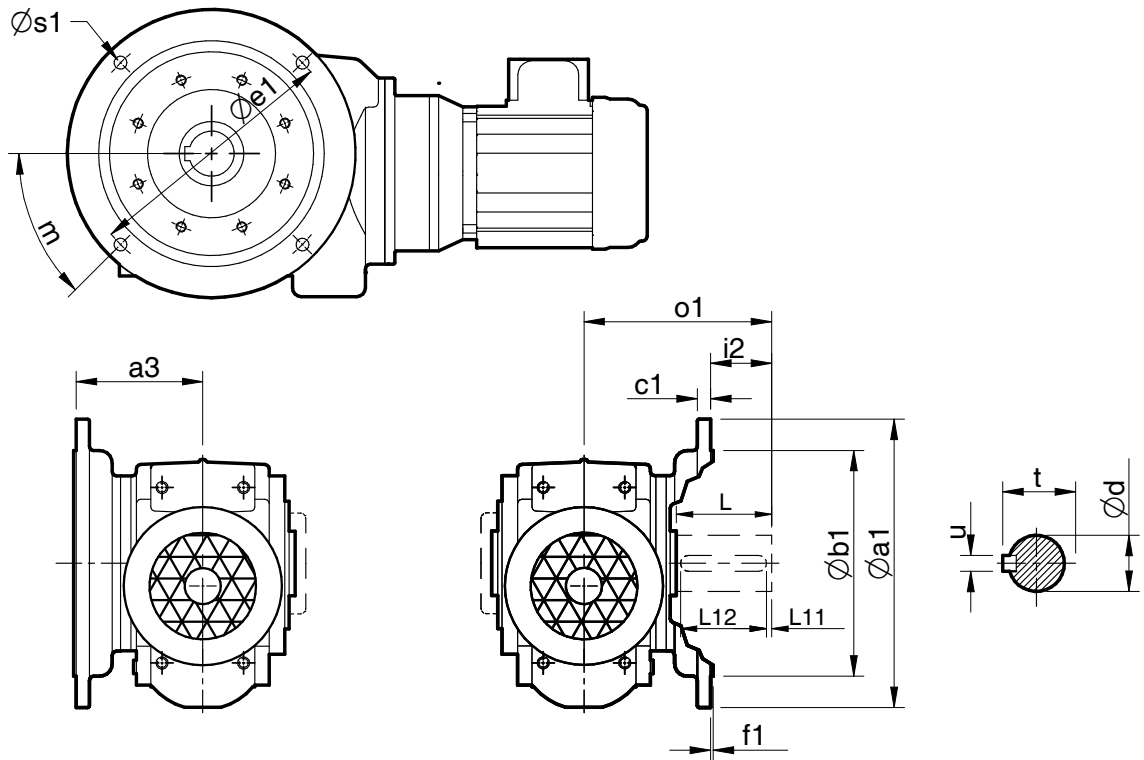
Right

| Size | ød1  | G | i    | L1 | L2 | P   | R  |
|------|------|---|------|----|----|-----|----|
| C07  | 16.3 | 2 | 77.5 | 60 | 56 | 250 | 38 |
| C08  | 16.3 | 2 | 85.5 | 60 | 56 | 310 | 38 |
| C09  | 25   | 5 | 98   | 80 | 70 | 380 | 45 |
| C10  | 25   | 5 | 137  | 80 | 70 | 430 | 45 |

# SERIES C

## DIMENSIONS

### D (B5) FLANGE



#### Column 9 Entry

**F**

Left

#### Column 9 Entry

**H**

Right

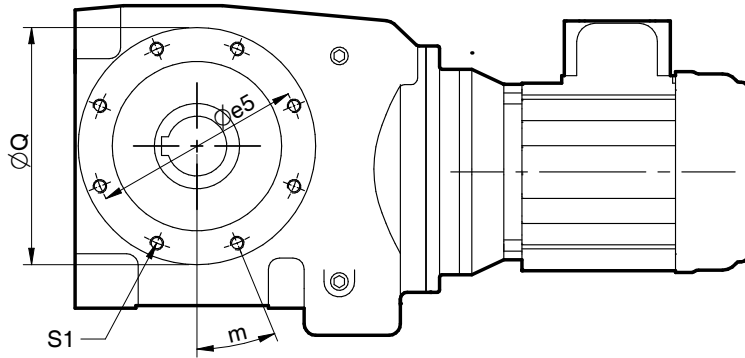
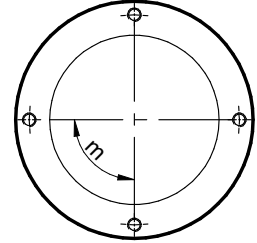
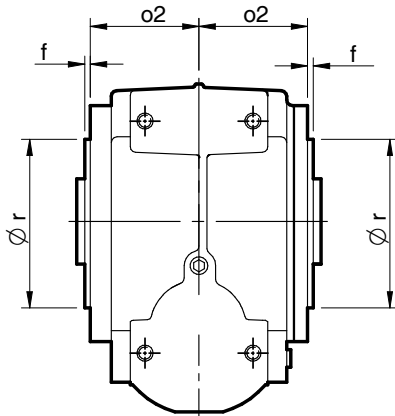
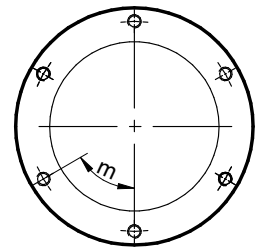
| Size                   | $\phi a1$ | $a3$ | $\phi b1$ | $c1$ | $\phi e1$ | $f1$ | $m$   | $\phi s1$ |
|------------------------|-----------|------|-----------|------|-----------|------|-------|-----------|
| <b>C03</b><br>Red Dia. | 120       | 75   | 80 j6     | 8    | 100       | 3    | 45°   | 6.6       |
| <b>C03</b>             | 160       | 75   | 110 j6    | 10   | 130       | 4    | 45°   | 9         |
| <b>C04</b>             | 160       | 86   | 110 j6    | 10   | 130       | 3.5  | 45°   | 9         |
| <b>C05</b>             | 200       | 107  | 130 j6    | 12   | 165       | 3.5  | 45°   | 11        |
| <b>C06</b>             | 200       | 120  | 130 j6    | 12   | 165       | 3.5  | 45°   | 11        |
| <b>C07</b>             | 250       | 145  | 180 j6    | 12   | 215       | 4    | 45°   | 14        |
| <b>C08</b>             | 350       | 170  | 250 h6    | 18   | 300       | 5    | 45°   | 18        |
| <b>C09</b>             | 450       | 200  | 350 h6    | 20   | 400       | 5    | 22.5° | 18        |
| <b>C10</b>             | 450       | 232  | 350 h6    | 22   | 400       | 5    | 22.5° | 18        |

| Size                       | $\phi d$        | $i2$ | $L$ | $L11$ | $L12$ | $o$ | $t$  | $u$ | $v$             |
|----------------------------|-----------------|------|-----|-------|-------|-----|------|-----|-----------------|
| <b>C0321</b>               | 20.015 / 20.002 | 27   | 35  | 3     | 31    | 100 | 22.5 | 6   | M8 x 1.0 x 16   |
| <b>C0421</b>               | 25.015 / 25.002 | 40   | 46  | 3     | 42    | 115 | 28   | 8   | M10 x 1.5 x 22  |
| <b>C0521</b>               | 30.015 / 30.002 | 48   | 60  | 3     | 53    | 134 | 33   | 8   | M10 x 1.5 x 22  |
| <b>C0621</b>               | 35.018 / 35.002 | 53   | 63  | 3     | 55    | 160 | 38   | 10  | M12 x 1.75 x 22 |
| <b>C0621</b><br>Heavy duty | 45.018 / 45.002 | 75   | 98  | 5     | 80    | 195 | 48.5 | 14  | M12 x 1.75 x 22 |
| <b>C0721</b>               | 45.018 / 45.002 | 50   | 76  | 3     | 70    | 195 | 48.5 | 14  | M16 x 2.0 x 36  |
| <b>C0821</b>               | 60.030 / 60.011 | 85   | 120 | 3     | 110   | 255 | 64   | 18  | M20 x 2.5 x 42  |
| <b>C0921</b>               | 70.030 / 70.011 | 95   | 135 | 3     | 125   | 295 | 74.5 | 20  | M20 x 2.5 x 42  |
| <b>C1021</b>               | 90.035 / 90.013 | 134  | 170 | 3     | 160   | 366 | 95   | 25  | M24 x 3.0 x 50  |

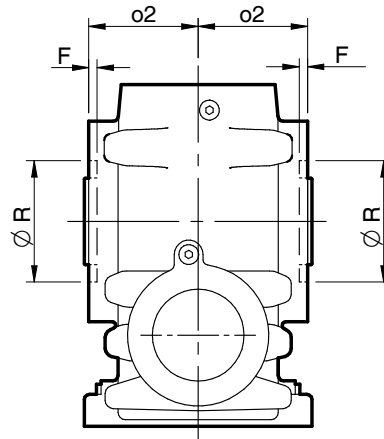
# SERIES C

## DIMENSIONS

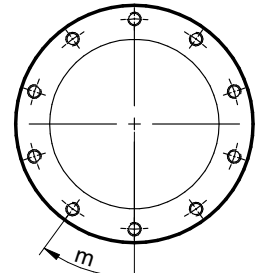
### C (B14) FLANGE

**C04, C05, C06, C08**

**C03**

**C07, C09**

**C03 - C06**

Male spigot


**C07 - C10**

Female recess

**C10**


| Size       | øe5 | f | F   | m     | o2  | Ø Q | Ø r (h7) | Ø R (H7) | S1                  |
|------------|-----|---|-----|-------|-----|-----|----------|----------|---------------------|
| <b>C03</b> | 90  | 4 | -   | 90°   | 57  | 106 | 70       | -        | (4) M8 x 1.25 x 22  |
| <b>C04</b> | 107 | 4 | -   | 22.5° | 57  | 122 | 85       | -        | (8) M8 x 1.25 x 22  |
| <b>C05</b> | 130 | 4 | -   | 22.5° | 62  | 146 | 105      | -        | (8) M8 x 1.25 x 22  |
| <b>C06</b> | 155 | 5 | -   | 22.5° | 81  | 175 | 125      | -        | (8) M10 x 1.5 x 22  |
| <b>C07</b> | 150 | - | 4.5 | 60°   | 104 | 180 | -        | 130      | (6) M12 x 1.75 x 22 |
| <b>C08</b> | 195 | - | 5.0 | 22.5° | 120 | 220 | -        | 150      | (8) M12 x 1.75 x 22 |
| <b>C09</b> | 230 | - | 5.0 | 60°   | 144 | 280 | -        | 180      | (6) M16 x 2.0 x 27  |
| <b>C10</b> | 280 | - | 7.0 | 36°   | 167 | 360 | -        | 210      | (10) M16 x 2.0 x 27 |

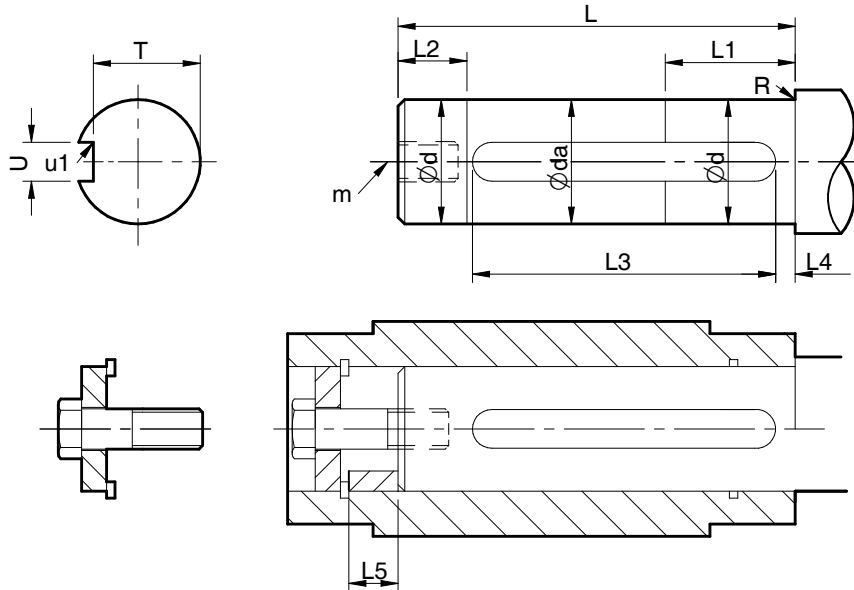


# SERIES C

## DIMENSIONS

### STANDARD BORE ASSEMBLY

#### ASSEMBLY ONTO SHAFT - CUSTOMERS SHAFT DETAIL



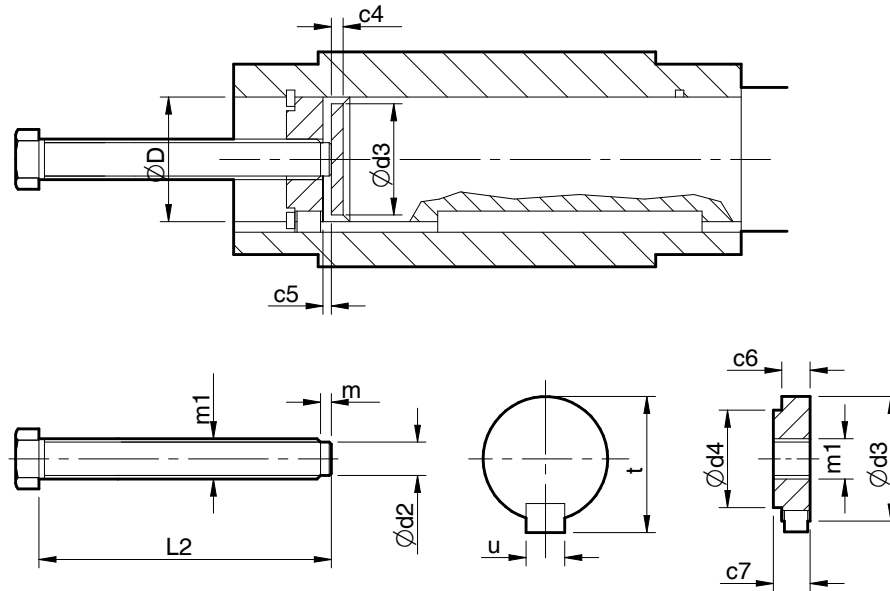
| Size | Bore    | d                  | da   | L   | L1  | L2 | L3             | L4 | L5 | m           | N      | R    | T            | U                  | u1            |
|------|---------|--------------------|------|-----|-----|----|----------------|----|----|-------------|--------|------|--------------|--------------------|---------------|
| C03  | Std     | 19.993/<br>19.980  | 19.6 | 82  | 30  | 10 | 61.3<br>61.0   | 3  | 22 | M6x1.0x16   | 8 Nm   | 0.8R | 16.5<br>16.4 | 6.000 /<br>5.970   | 0.16<br>0.25R |
| C04  | Reduced | 24.993/<br>24.980  | 24.6 | 99  | 38  | 13 | 79.3<br>79.0   | 3  | 23 | M10x1.5x22  | 15 Nm  | 0.8R | 21.0<br>20.8 | 8.000 /<br>7.964   | 0.16<br>0.25R |
|      | Std     | 29.993/<br>29.980  | 29.6 | 99  | 45  | 15 | 79.3<br>79.0   | 3  | 26 | M10x1.5x22  | 15 Nm  | 0.8R | 26.0<br>25.8 | 8.000 /<br>7.964   | 0.16<br>0.25R |
| C05  | Reduced | 29.993/<br>29.980  | 29.6 | 104 | 45  | 15 | 79.3<br>79.0   | 3  | 23 | M10x1.5x22  | 15 Nm  | 0.8R | 26.0<br>25.8 | 8.000 /<br>7.964   | 0.16<br>0.25R |
|      | Std     | 34.991/<br>34.975  | 34.6 | 104 | 53  | 18 | 77.3<br>77.0   | 3  | 23 | M12x1.75x28 | 20 Nm  | 0.8R | 30.0<br>29.8 | 10.000 /<br>9.964  | 0.16<br>0.25R |
| C06  | Reduced | 39.991/<br>39.975  | 39.6 | 125 | 60  | 20 | 100.5<br>100.0 | 3  | 31 | M16x2x36    | 45 Nm  | 0.8R | 35.0<br>34.8 | 12.000 /<br>11.957 | 0.4<br>0.25R  |
|      | Std     | 44.991/<br>44.975  | 44.6 | 125 | 68  | 23 | 101.5<br>101.0 | 3  | 31 | M16x2x36    | 45 Nm  | 0.8R | 39.5<br>39.3 | 14.000 /<br>13.957 | 0.4<br>0.25R  |
| C07  | Reduced | 49.991/<br>49.975  | 49.6 | 153 | 75  | 25 | 130.5<br>130.0 | 3  | 35 | M16x2x38    | 45 Nm  | 1.2R | 44.5<br>44.3 | 14.000 /<br>13.957 | 0.4<br>0.25R  |
|      | Std     | 59.990 /<br>59.971 | 59.6 | 153 | 90  | 30 | 148.5<br>148.0 | 3  | 38 | M20x2.5x42  | 85 Nm  | 1.2R | 53.0<br>52.8 | 18.000 /<br>17.957 | 0.4<br>0.25R  |
| C08  | Reduced | 59.990 /<br>59.971 | 59.6 | 183 | 91  | 31 | 148.5<br>148.0 | 3  | 37 | M20x2.5x42  | 85 Nm  | 1.2R | 53.0<br>52.8 | 18.000 /<br>17.957 | 0.4<br>0.25R  |
|      | Std     | 69.990 /<br>69.971 | 69.6 | 183 | 105 | 35 | 177.5<br>177.0 | 3  | 37 | M20x2.5x42  | 85 Nm  | 1.2R | 62.5<br>62.3 | 20.000 /<br>19.94  | 0.6<br>80.4R  |
| C09  | Reduced | 69.990 /<br>69.971 | 69.6 | 227 | 105 | 35 | 177.5<br>177.0 | 3  | 58 | M20x2.5x42  | 85 Nm  | 1.2R | 62.5<br>62.3 | 20.000 /<br>19.94  | 0.6<br>80.4R  |
|      | Std     | 89.988 /<br>89.966 | 89.6 | 227 | 135 | 45 | 221.5<br>221.0 | 3  | 58 | M24x3.0x50  | 200 Nm | 1.2R | 81.0<br>80.8 | 25.000 /<br>24.948 | 0.6<br>0.4R   |
| C10  | Reduced | 79.990 /<br>79.971 | 79.6 | 260 | 120 | 40 | 225.5<br>225.0 | 3  | 53 | M20x2.5x42  | 85 Nm  | 1.2R | 71.0<br>70.8 | 22.000 /<br>21.946 | 0.6<br>0.4R   |
|      | Std     | 99.988/<br>99.966  | 99.6 | 327 | 150 | 45 | 238.5<br>238.0 | 10 | 46 | M24x3x50    | 200 Nm | 1.2R | 90<br>89.8   | 28.000/<br>27.948  | 0.4<br>0.4R   |

#### Assembly Instructions

1. Spray the hollow shaft bore and mating diameter of the output shaft with Rocol DFSM or equivalent antiscuffing spray.
2. Fit key into shaft.
3. Fit the circlip into the output sleeve.
4. Fit the spacer tube only if the output shaft has no shoulder, then fit the output shaft into the output sleeve.
5. Secure in place with the washer and bolt. Torque tighten to the values stated in column N of the above table.
6. Fit plastic protective cover.

# **SERIES C** **DIMENSIONS** **STANDARD BORE DISASSEMBLY**

## **DISASSEMBLY METHOD FROM SHAFT**



PARTS SUPPLIED BY CUSTOMER

| Size       | Bore    | c4 | c6 | c7 | D (H7) | d2 | d3   | d4   | L2  | m | m1        | t    | u  |
|------------|---------|----|----|----|--------|----|------|------|-----|---|-----------|------|----|
| <b>C03</b> | Std     | 5  | 10 | 12 | 20     | 7  | 19.9 | 11.2 | 120 | 3 | M10 x 1.5 | 22   | 6  |
| <b>C04</b> | Reduced | 5  | 15 | 17 | 25     | 13 | 24.9 | 16.2 | 160 | 3 | M16 x 2.0 | 2    | 8  |
|            | Std     | 5  | 15 | 17 | 30     | 13 | 29.9 | 20.8 | 160 | 3 | M16 x 2.0 | 33   | 8  |
| <b>C05</b> | Reduced | 5  | 15 | 17 | 30     | 13 | 29.9 | 20.8 | 160 | 3 | M16 x 2.0 | 33   | 8  |
|            | Std     | 5  | 15 | 17 | 35     | 13 | 34.9 | 25.2 | 160 | 3 | M16 x 2.0 | 38   | 10 |
| <b>C06</b> | Reduced | 5  | 20 | 23 | 40     | 20 | 39.9 | 30.9 | 220 | 3 | M24 x 3.0 | 43   | 12 |
|            | Std     | 5  | 20 | 23 | 45     | 20 | 44.9 | 34.1 | 220 | 3 | M24 x 3.0 | 49   | 14 |
| <b>C07</b> | Reduced | 5  | 20 | 23 | 50     | 20 | 49.9 | 39.0 | 220 | 3 | M24 x 3.0 | 54   | 14 |
|            | Std     | 8  | 24 | 27 | 60     | 26 | 59.9 | 47.4 | 250 | 5 | M30 x 3.5 | 64   | 1  |
| <b>C08</b> | Reduced | 8  | 24 | 27 | 60     | 26 | 59.9 | 47.4 | 250 | 5 | M30 x 3.5 | 64   | 1  |
|            | Std     | 8  | 24 | 27 | 70     | 26 | 69.9 | 58.4 | 310 | 5 | M30 x 3.5 | 74.5 | 20 |
| <b>C09</b> | Reduced | 8  | 24 | 27 | 70     | 26 | 69.9 | 58.4 | 310 | 5 | M30 x 3.5 | 74.5 | 20 |
|            | Std     | 8  | 24 | 27 | 90     | 26 | 89.9 | 75.3 | 360 | 5 | M30 x 3.5 | 95   | 25 |
| <b>C10</b> | Reduced | 8  | 24 | 27 | 80     | 26 | 79.9 | 65.5 | 360 | 5 | M30 x 3.5 | 85   | 22 |
|            | Std     | 8  | 30 | 34 | 100    | 32 | 99.9 | 84.1 | 420 | 5 | M30 x 3.5 | 106  | 2  |



# SERIES C

## SHIPPING SPECIFICATION

### BASE MOUNT UNITS WITH STANDARD HOLLOW SHAFT

| Unit size & No off reductions |      |               | C0321 | C0331 | C0341 | C0421 | C0431 | C0441 | C0521 | C0531 | C0541 | C0621 | C0631 | C0641 | C0721 | C0731 | C0741 | C0821 | C0841 | C0921 | C0941 | C1021 | C1041 |
|-------------------------------|------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Reducer Version               |      |               | 11    | 14    | 20    | 15    | 18    | 23    | 18    | 21    | 28    | 32    | 38    | 43    | 74    | 81    | 83    | 117   | 143   | 181   | 204   | 326   | 372   |
| Single Output Shaft           |      |               | 0.4   |       |       | 1.0   |       |       | 1.5   |       |       | 3.7   |       |       | 7.0   |       |       | 12    |       | 19    |       | 30    |       |
| Double Output Shaft           |      |               | 0.6   |       |       | 1.5   |       |       | 2.3   |       |       | 5.6   |       |       | 11    |       |       | 18    |       | 28    |       | 45    |       |
| Motorised                     | 63   | Without Motor | 12    | 13    | 20    | 16    | 17    | 24    | 18    | 19    | 29    | 28    | 33    | 44    |       | 80    | 83    |       |       |       |       |       |       |
|                               |      | With Motor    | 16    | 17    | 25    | 20    | 21    | 29    | 23    | 24    | 33    | 32    | 37    | 48    |       | 84    | 88    |       |       |       |       |       |       |
|                               | 71   | Without Motor | 11    | 13    | 20    | 15    | 17    | 24    | 18    | 19    | 28    | 28    | 33    | 44    |       | 80    | 83    |       |       |       |       |       |       |
|                               |      | With Motor    | 18    | 19    | 26    | 22    | 23    | 30    | 25    | 26    | 35    | 34    | 39    | 50    |       | 87    | 89    |       |       |       |       |       |       |
|                               | 80A  | Without Motor | 12    | 14    | 20    | 16    | 18    | 24    | 19    | 22    | 29    | 31    | 35    | 44    | 71    | 80    | 83    | 118   | 143   | 174   | 204   |       | 369   |
|                               |      | With Motor    | 21    | 23    | 30    | 25    | 27    | 34    | 28    | 31    | 38    | 39    | 43    | 54    | 80    | 88    | 93    | 127   | 152   | 183   | 213   |       | 37    |
|                               | 80B  | Without Motor | 12    | 14    | 20    | 16    | 18    | 24    | 19    | 22    | 29    | 31    | 35    | 44    | 71    | 80    | 83    | 118   | 143   | 174   | 204   |       | 369   |
|                               |      | With Motor    | 23    | 25    | 31    | 27    | 29    | 35    | 30    | 33    | 40    | 42    | 46    | 55    | 82    | 91    | 94    | 129   | 154   | 185   | 215   |       | 380   |
|                               | 90S  | Without Motor | 13    | 15    | 21    | 16    | 18    | 25    | 19    | 22    | 30    | 32    | 35    | 45    | 72    | 80    | 84    | 118   | 144   | 174   | 205   |       | 370   |
|                               |      | With Motor    | 26    | 28    | 35    | 30    | 32    | 39    | 33    | 36    | 43    | 46    | 50    | 58    | 85    | 94    | 98    | 131   | 157   | 187   | 218   |       | 383   |
|                               | 90L  | Without Motor | 13    | 15    | 21    | 16    | 18    | 25    | 19    | 22    | 30    | 32    | 35    | 45    | 72    | 80    | 84    | 118   | 144   | 174   | 205   |       | 370   |
|                               |      | With Motor    | 27    | 29    | 36    | 31    | 33    | 40    | 34    | 37    | 44    | 47    | 52    | 59    | 86    | 95    | 99    | 132   | 158   | 188   | 219   |       | 34    |
|                               | 100L | Without Motor |       |       |       |       |       |       |       |       |       | 35    |       |       | 74    |       |       | 120   | 146   | 176   | 207   | 313   | 372   |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       | 59    |       |       | 98    |       |       | 144   | 170   | 200   | 231   | 337   | 396   |
|                               | 112M | Without Motor |       |       |       |       |       |       |       |       |       | 35    |       |       | 74    |       |       | 120   | 146   | 176   | 207   | 313   | 372   |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       | 66    |       |       | 105   |       |       | 151   | 177   | 207   | 238   | 344   | 403   |
|                               | 132S | Without Motor |       |       |       |       |       |       |       |       |       |       |       |       | 76    |       |       | 123   |       | 179   |       | 316   | 374   |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       |       |       |       | 124   |       |       | 171   |       | 227   |       | 364   | 422   |
|                               | 132M | Without Motor |       |       |       |       |       |       |       |       |       |       |       |       | 76    |       |       | 123   |       | 179   |       | 316   | 374   |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       |       |       |       | 128   |       |       | 175   |       | 231   |       | 368   | 426   |
|                               | 160M | Without Motor |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 128   |       | 184   |       | 321   |       |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 241   |       | 297   |       | 434   |       |
|                               | 160L | Without Motor |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 128   |       | 184   |       | 321   |       |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 261   |       | 317   |       | 454   |       |
|                               | 180M | Without Motor |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 197   |       | 334   |       |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 364   |       | 501   |       |
|                               | 180L | Without Motor |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 197   |       | 334   |       |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 378   |       | 515   |       |
|                               | 200L | Without Motor |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 201   |       | 338   |       |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 433   |       | 570   |       |
|                               | 225S | Without Motor |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 205   |       | 342   |       |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 492   |       | 629   |       |
|                               | 225M | Without Motor |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 205   |       | 342   |       |
|                               |      | With Motor    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 527   |       | 664   |       |

ALL WEIGHTS IN KG      ALL WEIGHTS EXCLUDE LUBRICANT AND ARE FOR STANDARD SHAFT MOUNT UNITS, FOR BASE MOUNT UNITS ADD WEIGHT OF SHAFT (SHOWN AT TOP OF TABLE) TO THE FIGURES SHOWN ABOVE

## IMPORTANT

### Product Safety Information

**General** - The following information is important in ensuring safety. It **must** be brought to the attention of personnel involved in the selection of the equipment, those responsible for the design of the machinery in which it is to be incorporated and those involved in its installation, use and maintenance.

The equipment will operate safely provided it is selected, installed, used and maintained properly. As with any power transmission equipment **proper precautions must** be taken as indicated in the following paragraphs, to ensure safety.

**Potential Hazards** - these are **not** necessarily listed in any order of severity as the degree of danger varies in individual circumstances. It is important therefore that the list is studied in its entirety:-

- 1) Fire/Explosion
  - (a) Oil mists and vapour are generated within gear units. It is therefore dangerous to use naked lights in the proximity of gearbox openings, due to the risk of fire or explosion.
  - (b) In the event of fire or serious overheating (over 300 °C), certain materials (rubber, plastics, etc.) may decompose and produce fumes. Care should be taken to avoid exposure to the fumes, and the remains of burned or overheated plastic/rubber materials should be handled with rubber gloves.
- 2) Guards - Rotating shafts and couplings must be guarded to eliminate the possibility of physical contact or entanglement of clothing. It should be of rigid construction and firmly secured.
- 3) Noise - High speed gearboxes and gearbox driven machinery may produce noise levels which are damaging to the hearing with prolonged exposure. Ear defenders should be provided for personnel in these circumstances. Reference should be made to the Department of Employment Code of Practice for reducing exposure of employed persons to noise.
- 4) Lifting - Where provided (on larger units) only the lifting points or eyebolts must be used for lifting operations (see maintenance manual or general arrangement drawing for lifting point positions). Failure to use the lifting points provided may result in personal injury and/or damage to the product or surrounding equipment. Keep clear of raised equipment.
- 5) Lubricants and Lubrication
  - (a) Prolonged contact with lubricants can be detrimental to the skin. The manufacturer's instruction must be followed when handling lubricants.
  - (b) The lubrication status of the equipment must be checked before commissioning. Read and carry out all instructions on the lubricant plate and in the installation and maintenance literature. Heed all warning tags. Failure to do so could result in mechanical damage and in extreme cases risk of injury to personnel.
- 6) Electrical Equipment - Observe hazard warnings on electrical equipment and isolate power before working on the gearbox or associated equipment, in order to prevent the machinery being started.
- 7) Installation, Maintenance and Storage
  - (a) In the event that equipment is to be held in storage, for a period exceeding 6 months, prior to installation or commissioning, application engineering must be consulted regarding special preservation requirements. Unless otherwise agreed, equipment must be stored in a building protected from extremes of temperature and humidity to prevent deterioration.  
The rotating components (gears and shafts) must be turned a few revolutions once a month (to prevent bearings brinelling).
  - (b) External gearbox components may be supplied with preservative materials applied, in the form of a "waxed" tape overwrap or wax film preservative. Gloves should be worn when removing these materials. The former can be removed manually, the latter using white spirit as a solvent.  
  
Preservatives applied to the internal parts of the gear units do not require removal prior to operation.
  - (c) Installation must be performed in accordance with the manufacturer's instructions and be undertaken by suitably qualified personnel.
  - (d) Before working on a gearbox or associated equipment, ensure that the load has been removed from the system to eliminate the possibility of any movement of the machinery and isolate power supply. Where necessary, provide mechanical means to ensure the machinery cannot move or rotate. Ensure removal of such devices after work is complete.
  - (e) Ensure the proper maintenance of gearboxes in operation. Use only the correct tools and approved spare parts for repair and maintenance. Consult the Maintenance Manual before dismantling or performing maintenance work.
- 8) Hot Surfaces and Lubricants
  - (a) During operation, gear units may become sufficiently hot to cause skin burns. Care must be taken to avoid accidental contact.
  - (b) After extended running the lubricant in gear units and lubrication systems may reach temperatures sufficient to cause burns. Allow equipment to cool before servicing or performing adjustments.
- 9) Selection and Design
  - (a) Where gear units provide a backstop facility, ensure that back-up systems are provided if failure of the backstop device would endanger personnel or result in damage.
  - (b) The driving and driven equipment must be correctly selected to ensure that the complete machinery installation will perform satisfactorily, avoiding system critical speeds, system torsional vibration, etc.
  - (c) The equipment must not be operated in an environment or at speeds, powers, torques or with external loads beyond those for which it was designed.
  - (d) As improvements in design are being made continually the contents of this catalogue are not to be regarded as binding in detail, and drawings and capacities are subject to alterations without notice.

The above guidance is based on the current state of knowledge and our best assessment of the potential hazards in the operation of the gear units.

Any further information or clarification required may be obtained by contacting an Application Engineer.





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