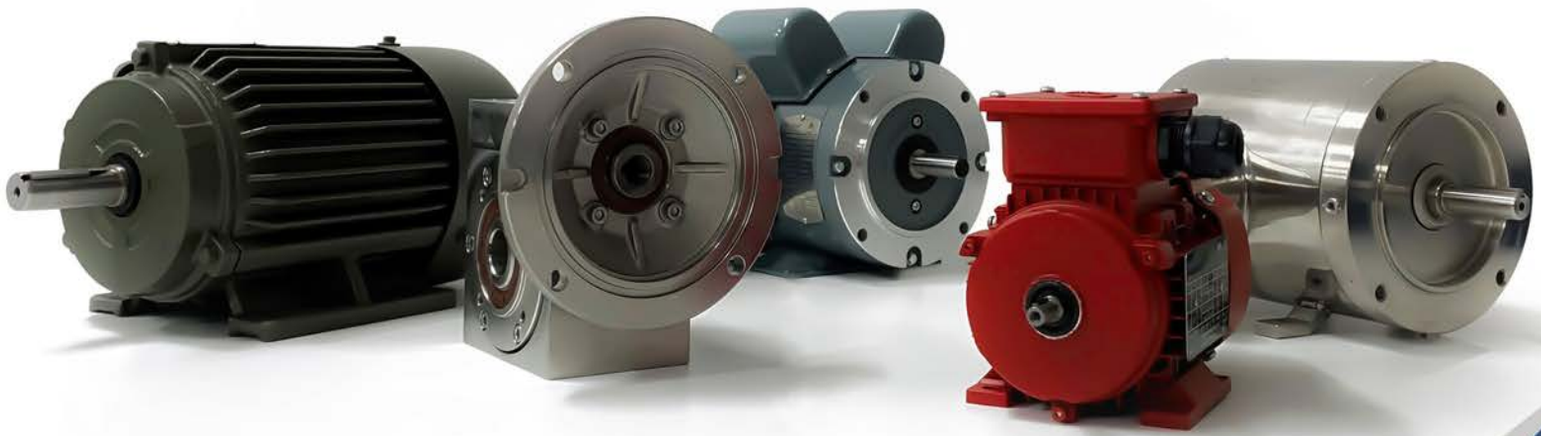
# MaxMotion

## Product catalogue

## 2023



MEP 1982











# About us

Since 1982, MEP has become a leader in the importing and distribution of Industrial electrical products, specializing in electric motors, drives and power transmission products.

With Offices, and Warehouses Across North America, we offer a Full Range of Products that allow us to meet the growing needs of our partners.

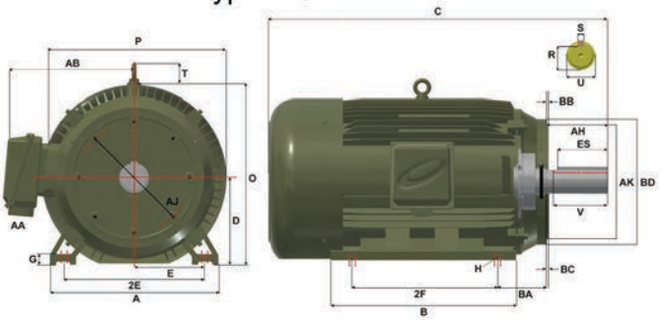
Our expertise places us as trusted partners with our clients to work across a wide array applications including Mining, Paper Processing, Agriculture, Ventilation, Pumping, Food Processing & Conveying.

In 2002, MEP established a line of high quality motor and gearing products under the brand Max Motion.

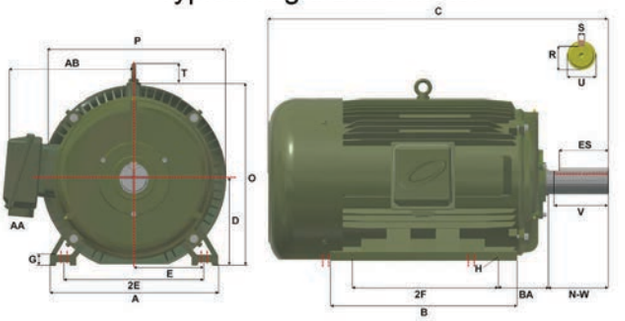
Direct partnerships with our factories allows MEP to offer you premium goods at very competitive prices.

# Nema Quick Reference Dimensional Chart

Typical C-face Motor




Typical Rigid Base Motor



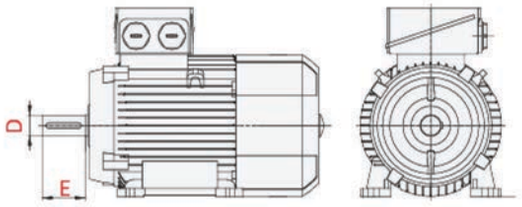

Visit www.mep.ca and select specific MaxMotion model for "AB", "O", & "P" Dimensions

Refer to your MEP catalog for "C" Dim.

| FRAME | D | E | 2F | H | U | N-W | AA | AH | AJ | AK | BA | BB (MIN) | BD (MAX) | H (HOLES) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 3.00 | 2.12 | 2.75 | .34 SLOT | .5000 | 1.50 | 1/2 | 1.69 | 3.750 | 3.000 | 2.50 | .13 | 5.62 | 1/4-20 |
| 56 | 3.50 | 2.44 | 3.00 | .34 SLOT | .6250 | 1.88 | 1/2 | 2.06 | 5.875 | 4.500 | 2.75 | .13 | 6.50 | 3/8-16 |
| 56H | 3.50 | 2.44 | 5.00 | .34 SLOT | .6250 | 1.88 | 1/2 | 2.06 | 5.875 | 4.500 | 2.75 | .13 | 6.50 | 3/8-16 |
| 143T | 3.50 | 2.75 | 4.00 | .34 | .8750 | 2.25 | 3/4 | 2.12 | 5.875 | 4.500 | 2.25 | .13 | 6.50 | 3/8-16 |
| 145T | 3.50 | 2.75 | 5.00 | .34 | .8750 | 2.25 | 3/4 | 2.12 | 5.875 | 4.500 | 2.25 | .13 | 6.50 | 3/8-16 |
| 182 | 4.50 | 3.75 | 4.50 | .41 | .8750 | 2.25 | 3/4 | 2.12 | 5.875 | 4.500 | 2.75 | .13 | 6.50 | 3/8-16 |
| 184 | 4.50 | 3.75 | 5.50 | .41 | .8750 | 2.25 | 3/4 | 2.12 | 5.875 | 4.500 | 2.75 | .13 | 6.50 | 3/8-16 |
| 182T | 4.50 | 3.75 | 4.50 | .41 | 1.125 | 2.75 | 3/4 | 2.62 | 7.250 | 8.500 | 2.75 | .25 | 9.00 | 1/2-13 |
| 184T | 4.50 | 3.75 | 5.50 | .41 | 1.125 | 2.75 | 3/4 | 2.62 | 7.250 | 8.500 | 2.75 | .25 | 9.00 | 1/2-13 |
| 213 | 5.25 | 4.25 | 5.50 | .41 | 1.125 | 3.00 | 1 | 2.75 | 7.250 | 8.500 | 3.50 | .25 | 9.00 | 1/2-13 |
| 215 | 5.25 | 4.25 | 7.00 | .41 | 1.125 | 3.00 | 1 | 2.75 | 7.250 | 8.500 | 3.50 | .25 | 9.00 | 1/2-13 |
| 213T | 5.25 | 4.25 | 5.50 | .41 | 1.375 | 3.38 | 1 | 3.12 | 7.250 | 8.500 | 3.50 | .25 | 9.00 | 1/2-13 |
| 215T | 5.25 | 4.25 | 7.00 | .41 | 1.375 | 3.38 | 1 | 3.12 | 7.250 | 8.500 | 3.50 | .25 | 9.00 | 1/2-13 |
| 254U | 6.25 | 5.00 | 8.25 | .53 | 1.375 | 3.75 | 1-1/4 | 3.50 | 7.250 | 8.500 | 4.25 | .25 | 10.00 | 1/2-13 |
| 256U | 6.25 | 5.00 | 10.00 | .53 | 1.375 | 3.75 | 1-1/4 | 3.50 | 7.250 | 8.500 | 4.25 | .25 | 10.00 | 1/2-13 |
| 254T | 6.25 | 5.00 | 8.25 | .53 | 1.625 | 4.00 | 1-1/4 | 3.75 | 7.250 | 8.500 | 4.25 | .25 | 10.00 | 1/2-13 |
| 256T | 6.25 | 5.00 | 10.00 | .53 | 1.625 | 4.00 | 1-1/4 | 3.75 | 7.250 | 8.500 | 4.25 | .25 | 10.00 | 1/2-13 |
| 284U | 7.00 | 5.50 | 9.50 | .53 | 1.625 | 4.88 | 1-1/2 | 4.62 | 9.000 | 10.500 | 4.75 | .25 | 11.25 | 1/2-13 |
| 286U | 7.00 | 5.50 | 11.00 | .53 | 1.625 | 4.88 | 1-1/2 | 4.62 | 9.000 | 10.500 | 4.75 | .25 | 11.25 | 1/2-13 |
| 284T | 7.00 | 5.50 | 9.50 | .53 | 1.875 | 4.62 | 1-1/2 | 4.38 | 9.000 | 10.500 | 4.75 | .25 | 11.25 | 1/2-13 |
| 286T | 7.00 | 5.50 | 11.00 | .53 | 1.875 | 4.62 | 1-1/2 | 4.38 | 9.000 | 10.500 | 4.75 | .25 | 11.25 | 1/2-13 |
| 284TS | 7.00 | 5.50 | 9.50 | .53 | 1.625 | 3.25 | 1-1/2 | 3.00 | 9.000 | 10.500 | 4.75 | .25 | 11.25 | 1/2-13 |
| 286TS | 7.00 | 5.50 | 11.00 | .53 | 1.625 | 3.25 | 1-1/2 | 3.00 | 9.000 | 10.500 | 4.75 | .25 | 11.25 | 1/2-13 |
| 324U | 8.00 | 6.25 | 10.50 | .66 | 1.875 | 5.62 | 2 | 5.38 | 11.000 | 12.500 | 5.25 | .25 | 14.00 | 5/8-11 |
| 326U | 8.00 | 6.25 | 12.00 | .66 | 1.875 | 5.62 | 2 | 5.38 | 11.000 | 12.500 | 5.25 | .25 | 14.00 | 5/8-11 |
| 324T | 8.00 | 6.25 | 10.50 | .66 | 2.125 | 5.25 | 2 | 5.00 | 11.000 | 12.500 | 5.25 | .25 | 14.00 | 5/8-11 |
| 326T | 8.00 | 6.25 | 12.00 | .66 | 2.125 | 5.25 | 2 | 5.00 | 11.000 | 12.500 | 5.25 | .25 | 14.00 | 5/8-11 |
| 324TS | 8.00 | 6.25 | 10.50 | .66 | 1.875 | 3.75 | 2 | 3.50 | 11.000 | 12.500 | 5.25 | .25 | 14.00 | 5/8-11 |
| 326TS | 8.00 | 6.25 | 12.00 | .66 | 1.875 | 3.75 | 2 | 3.50 | 11.000 | 12.500 | 5.25 | .25 | 14.00 | 5/8-11 |
| 364U | 9.00 | 7.00 | 11.25 | .66 | 2.125 | 6.38 | 2-1/2 | 6.12 | 11.000 | 12.500 | 5.88 | .25 | 14.00 | 5/8-11 |
| 365U | 9.00 | 7.00 | 12.25 | .66 | 2.125 | 6.38 | 2-1/2 | 6.12 | 11.000 | 12.500 | 5.88 | .25 | 14.00 | 5/8-11 |
| 364T | 9.00 | 7.00 | 11.25 | .66 | 2.375 | 5.88 | 2-1/2 | 5.62 | 11.000 | 12.500 | 5.88 | .25 | 14.00 | 5/8-11 |
| 365T | 9.00 | 7.00 | 12.25 | .66 | 2.375 | 5.88 | 2-1/2 | 5.62 | 11.000 | 12.500 | 5.88 | .25 | 14.00 | 5/8-11 |
| 364TS | 9.00 | 7.00 | 11.25 | .66 | 1.875 | 3.75 | 2-1/2 | 3.50 | 11.000 | 12.500 | 5.88 | .25 | 14.00 | 5/8-11 |
| 365TS | 9.00 | 7.00 | 12.25 | .66 | 1.875 | 3.75 | 2-1/2 | 3.50 | 11.000 | 12.500 | 5.88 | .25 | 14.00 | 5/8-11 |
| 404U | 10.00 | 8.00 | 12.25 | .81 | 2.375 | 7.12 | 3 | 6.88 | 11.000 | 12.500 | 6.62 | .25 | 15.50 | 5/8-11 |
| 405U | 10.00 | 8.00 | 13.75 | .81 | 2.375 | 7.12 | 3 | 6.88 | 11.000 | 12.500 | 6.62 | .25 | 15.50 | 5/8-11 |
| 404T | 10.00 | 8.00 | 12.25 | .81 | 2.875 | 7.25 | 3 | 7.00 | 11.000 | 12.500 | 6.62 | .25 | 15.50 | 5/8-11 |
| 405T | 10.00 | 8.00 | 13.75 | .81 | 2.875 | 7.25 | 3 | 7.00 | 11.000 | 12.500 | 6.62 | .25 | 15.50 | 5/8-11 |
| 404TS | 10.00 | 8.00 | 12.25 | .81 | 2.125 | 4.25 | 3 | 4.00 | 11.000 | 12.500 | 6.62 | .25 | 15.50 | 5/8-11 |
| 405TS | 10.00 | 8.00 | 13.75 | .81 | 2.125 | 4.25 | 3 | 4.00 | 11.000 | 12.500 | 6.62 | .25 | 15.50 | 5/8-11 |
| 444U | 11.00 | 9.00 | 14.50 | .81 | 2.875 | 8.62 | 3 | 8.38 | 14.000 | 16.000 | 7.50 | .25 | 18.00 | 5/8-11 |
| 445U | 11.00 | 9.00 | 16.50 | .81 | 2.875 | 8.62 | 3 | 8.38 | 14.000 | 16.000 | 7.50 | .25 | 18.00 | 5/8-11 |
| 444T | 11.00 | 9.00 | 14.50 | .81 | 3.375 | 8.50 | 3 | 8.25 | 14.000 | 16.000 | 7.50 | .25 | 18.00 | 5/8-11 |
| 445T | 11.00 | 9.00 | 16.50 | .81 | 3.375 | 8.50 | 3 | 8.25 | 14.000 | 16.000 | 7.50 | .25 | 18.00 | 5/8-11 |
| 444TS | 11.00 | 9.00 | 14.50 | .81 | 2.375 | 4.75 | 3 | 4.50 | 14.000 | 16.000 | 7.50 | .25 | 18.00 | 5/8-11 |
| 445TS | 11.00 | 9.00 | 16.50 | .81 | 2.375 | 4.75 | 3 | 4.50 | 14.000 | 16.000 | 7.50 | .25 | 18.00 | 5/8-11 |
| 447T | 11.00 | 9.00 | 20.00 | .81 | 3.375 | 8.50 | 3 | 8.25 | 14.000 | 16.000 | 7.50 | .25 | 18.00 | 5/8-11 |
| 449T | 11.00 | 9.00 | 25.00 | .81 | 3.375 | 8.50 | 3 | 8.25 | 14.000 | 16.000 | 7.50 | .25 | 18.00 | 5/8-11 |
| 447TS | 11.00 | 9.00 | 20.00 | .81 | 2.375 | 4.75 | 4 NPT | 4.50 | 14.000 | 16.000 | 7.50 | .25 | 18.00 | 5/8-11 |
| 449TS | 11.00 | 9.00 | 25.00 | .81 | 2.375 | 4.75 | 4 NPT | 4.50 | 14.000 | 16.000 | 7.50 | .25 | 18.00 | 5/8-11 |

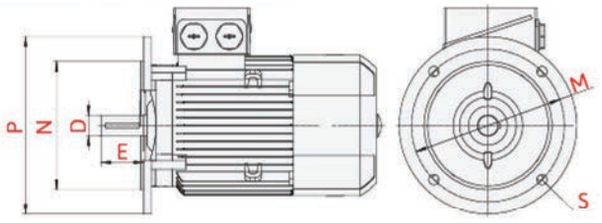
# IEC QUICK REFERENCE KEY DIMENSIONS CHART

## B3 - Foot Mounted Motor



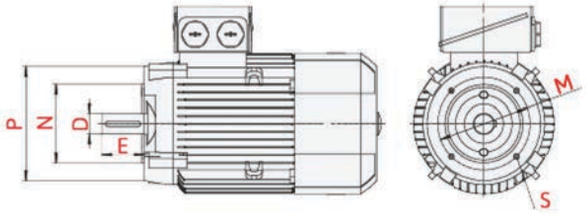

## B5 - flange ('D' flange)

The flange diameter is bigger than the motor frame diameter. The holes are not tapped. B5 flanges are available for all motor sizes.



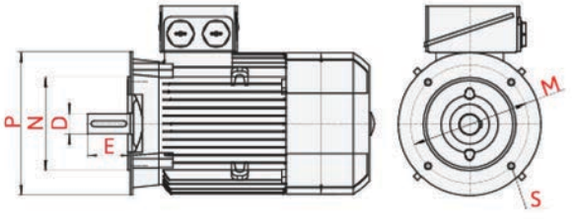

## B14A - flange ('C' face)

The flange diameter is smaller than the motor frame diameter. The holes are tapped. Available up to 160frame.




## B14B - flange

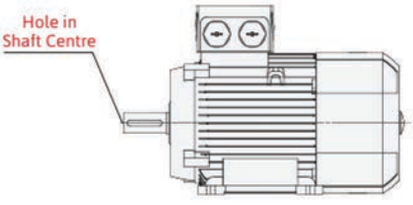
The flange diameter is between B14A & B5 flange. The holes are tapped. Available up to 112frame.

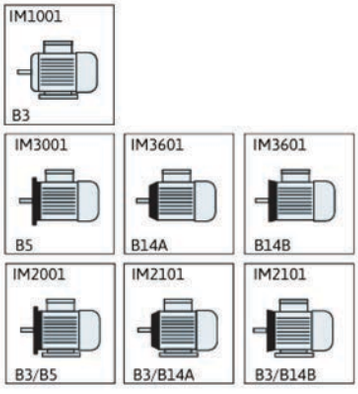



| Motor Type | SIZE | Shaft Diameter x Length D x E | | B5 FLANGE ("D" flange) | | | | B14A FLANGE ("C" face) | | | | B14B FLANGE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2p | 4,6,8p | PCD M | Spigot N | Diameter P | Hole Dia S | PCD M | Spigot N | Diameter P | Hole S | PCD M | Spigot N | Diameter P | Hole S |
| 1TZ9 | 56 frame | Ø9 x 20 | | 100 | 80 | 120 | 7 | 65 | 50 | 80 | M5 | 85 | 70 | 105 | M6 |
| | 63 frame | Ø11 x 23 | | 115 | 95 | 140 | 10 | 75 | 60 | 90 | M5 | 100 | 80 | 120 | M6 |
| | 71 frame | Ø14 x 30 | | 130 | 110 | 160 | 10 | 85 | 70 | 105 | M6 | 115 | 95 | 140 | M8 |
| | 80 frame | Ø19 x 40 | | 165 | 130 | 200 | 12 | 100 | 80 | 120 | M6 | 130 | 110 | 160 | M8 |
| | 90 frame | Ø24 x 50 | | 165 | 130 | 200 | 12 | 115 | 95 | 140 | M8 | 130 | 110 | 160 | M8 |
| | 100 frame | Ø28 x 60 | | 215 | 180 | 250 | 14.5 | 130 | 110 | 160 | M8 | 165 | 130 | 200 | M10 |
| | 112 frame | Ø28 x 60 | | 215 | 180 | 250 | 14.5 | 130 | 110 | 160 | M8 | 165 | 130 | 200 | M10 |
| | 132 frame | Ø38 x 80 | | 265 | 230 | 300 | 14.5 | 165 | 130 | 200 | M10 | 215 | 180 | 215 | M12 |
| | 160 frame | Ø42 x 110 | | 300 | 250 | 350 | 18.5 | 215 | 180 | 250 | M12 | 265 | 230 | 300 | M12 |
| | 180 frame | Ø48 x 110 | | 300 | 250 | 350 | 18.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 200 frame | Ø55 x 100 | | 350 | 300 | 400 | 18.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 225 frame | Ø55 x 110 | Ø60 x 140 | 400 | 350 | 450 | 18.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 250 frame | Ø60 x 140 | Ø65 x 140 | 500 | 450 | 550 | 18.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 280 frame | Ø65 x 140 | Ø75 x 140 | 500 | 450 | 550 | 18.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 315 frame | Ø65 x 141 | Ø80 x 170 | 600 | 550 | 660 | 24 | | | | | | | | |
| 1TZ5 | 315 frame | Ø75 x 140 | Ø85 x 170 | 740 | 680 | 800 | 24 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 355 frame | Ø75 x 140 | Ø95 x 170 | 840 | 780 | 900 | 24 | -- | -- | -- | -- | -- | -- | -- | -- |

| SIZE | Shaft Diameter D | | Hole in Shaft Centre |
|---|---|---|---|
| | 2p | 4,6,8p | |
| 56 frame | Ø9 | | M3 |
| 63 frame | Ø11 | | M4 |
| 71 frame | Ø14 | | M5 |
| 80 frame | Ø19 | | M6 |
| 90 frame | Ø24 | | M8 |
| 100 frame | Ø28 | | M10 |
| 112 frame | Ø28 | | M10 |
| 132 frame | Ø38 | | M12 |
| 160 frame | Ø42 | | M16 |
| 180 frame | Ø48 | | M16 |
| 200 frame | Ø55 | | M20 |
| 225 frame | Ø55 | Ø60 | M20 |
| 250 frame | Ø60 | Ø65 | M20 |
| 280 frame | Ø65 | Ø75 | M20 |
| 315 frame | Ø65 | Ø80 | M20 |
| 355 frame | Ø75 | Ø95 | M20 \| M24 |

PCD - Pitch Circle Diameter



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# PREMIUM DESIGN B NEMA 12-12

## CAST IRON CONSTRUCTION RIGID BASE

TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- MG-1 Design B and MG-1 Part 31
- Meets or exceeds NEMA Premium Efficiencies
- Factory Certified Division 2, Class I Groups A, B, C, D, Class II Groups F&G
- Meets Temperature Code T2B
- IP55 enclosure
- Rated and Nameplated 60/50 Hertz 190/380-415 or 380-415 @ 1.0 SF
- Inverter Duty 10:1 Constant Torque, 20:1 Variable Torque 1.0 SF meets MG1 parts 31.4.4.2
- 1.25 Service Factor 1-50HP, 1.15 60-300HP
- Class F Insulation
- F1 Standard Assembly, Reversible to F2 Assembly
- Provision to accept Drip Cover, See Accessories Page
- CSAus & CE Certified
- 36 Months Warranty



| HP | RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | C-FACE KITS | D-FLANGE KITS | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3600 | 208-230/460 | 143T | MQP-1 | 77 | 3.7-3.5/1.75 | 41 | 12.6 | W 140TC | W 140TD | 68 |
| | 3600 | 575 | 143T | MPP-1 | 77 | 1.4 | 41 | 12.6 | W 140TC | W 140TD | |
| | 1800 | 208-230/460 | 143T | MQP-2 | 85.5 | 3.2-3/1.5 | 47 | 13.6 | W 140TC | W 140TD | 68 |
| | 1800 | 575 | 143T | MPP-2 | 85.5 | 1.2 | 47 | 13.6 | W 140TC | W 140TD | |
| | 1200 | 208-230/460 | 145T | MQP-3 | 82.5 | 4-3.6/1.8 | 52 | 14.6 | W 140TC | W 140TD | 68 |
| | 1200 | 575 | 145T | MPP-3 | 82.5 | 1.44 | 52 | 14.6 | W 140TC | W 140TD | |
| | 900 | 208-230/460 | 182T | MQP-4 | 75.5 | 4.2-3.8/1.9 | 64 | 16.4 | W 180TC | W 180TD | 68 |
| | 900 | 575 | 182T | MPP-4 | 75.5 | 1.55 | 64 | 16.4 | W 180TC | W 180TD | |
| 1.5 | 3600 | 208-230/460 | 143T | MQP-6 | 84.1 | 4.4-4/2.2 | 46 | 13.6 | W 140TC | W 140TD | 68 |
| | 3600 | 575 | 143T | MPP-6 | 84.1 | 1.76 | 46 | 13.6 | W 140TC | W 140TD | |
| | 1800 | 208-230/460 | 145T | MQP-7 | 86.5 | 4.7-4.4/2.2 | 55 | 14.6 | W 140TC | W 140TD | 68 |
| | 1800 | 575 | 145T | MPP-7 | 86.5 | 1.8 | 55 | 14.6 | W 140TC | W 140TD | |
| | 1200 | 208-230/460 | 182T | MQP-8 | 87.5 | 5.2-4.8/2.4 | 95 | 16.1 | W 180TC | W 180TD | 68 |
| | 1200 | 575 | 182T | MPP-8 | 87.5 | 1.9 | 95 | 16.1 | W 180TC | W 180TD | |
| | 900 | 208-230/460 | 184T | MQP-9 | 78.5 | 5.97-5.4/2.7 | 64 | 17.1 | W 180TC | W 180TD | 68 |
| | 900 | 575 | 184T | MPP-9 | 78.5 | 2.16 | 64 | 17.1 | W 180TC | W 180TD | |
| 2 | 3600 | 208-230/460 | 145T | MQP-11 | 85.5 | 5.8-5.3/2.65 | 52 | 14.6 | W 140TC | W 140TD | 68 |
| | 3600 | 575 | 145T | MPP-11 | 85.5 | 2.05 | 52 | 14.6 | W 140TC | W 140TD | |
| | 1800 | 208-230/460 | 145T | MQP-12 | 86.5 | 6.6-6.2/3.1 | 56 | 14.6 | W 140TC | W 140TD | 68 |
| | 1800 | 575 | 145T | MPP-12 | 86.5 | 2.4 | 56 | 14.6 | W 140TC | W 140TD | |
| | 1200 | 208-230/460 | 184T | MQP-13 | 88.5 | 6.4-5.9/2.95 | 103 | 17.1 | W 180TC | W 180TD | 68 |
| | 1200 | 575 | 184T | MPP-13 | 88.5 | 2.4 | 103 | 17.1 | W 180TC | W 180TD | |
| | 900 | 208-230/460 | 213T | MQP-14 | 84 | 7.52-6.8/3.4 | 150 | 18.9 | W 210TC | W 210TD | 68 |
| | 900 | 575 | 213T | MPP-14 | 84 | 2.65 | 150 | 18.9 | W 210TC | W 210TD | |
| 3 | 3600 | 208-230/460 | 145T | MQP-16S | 86.5 | 7.9-7.4/3.7 | 90 | 14.6 | W 140TC | W 140TD | 68 |
| | 3600 | 575 | 145T | MPP-16S | 86.5 | 3 | 90 | 14.6 | W 140TC | W 140TD | |
| | 3600 | 208-230/460 | 182T | MQP-16 | 86.5 | 7.9-7.4/3.7 | 97 | 16.1 | W 180TC | W 180TD | 68 |
| | 3600 | 575 | 182T | MPP-16 | 86.5 | 3 | 97 | 16.1 | W 180TC | W 180TD | |
| | 1800 | 208-230/460 | 182T | MQP-17 | 89.5 | 8.2-7.6/4 | 97 | 16.1 | W 180TC | W 180TD | 68 |
| | 1800 | 575 | 182T | MPP-17 | 89.5 | 3.2 | 97 | 16.1 | W 180TC | W 180TD | |
| | 1200 | 208-230/460 | 213T | MQP-18 | 89.5 | 9.2-8.4/4.2 | 136 | 18.9 | W 210TCP | N/A | 68 |
| | 1200 | 575 | 213T | MPP-18 | 89.5 | 3.4 | 136 | 18.9 | W 210TCP | N/A | |
| | 900 | 208-230/460 | 215T | MQP-19 | 85.5 | 10.17-9.2/4.6 | 167 | 20.4 | W 210TC | W 210TD | 68 |
| | 900 | 575 | 215T | MPP-19 | 85.5 | 3.68 | 167 | 20.4 | W 210TC | W 210TD | |

### Footnotes:

* **68** = Rated and Nameplated 60/50 Hertz

*CHART CONTINUES ON NEXT PAGE*

# PREMIUM DESIGN B NEMA 12-12

## CAST IRON CONSTRUCTION RIGID BASE

TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | C-FACE KITS | D-FLANGE KITS | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 3600 | 208-230/460 | 184T | MQP-21 | 88.5 | 13-11.6/5.8 | 110 | 17.1 | W 180TC | W 180TD | 68 |
| | 3600 | 575 | 184T | MPP-21 | 88.5 | 4.6 | 110 | 17.1 | W 180TC | W 180TD | |
| | 1800 | 208-230/460 | 184T | MQP-22 | 89.5 | 14-13.6/6.8 | 112 | 17.1 | W 180TC | W 180TD | 68 |
| | 1800 | 575 | 184T | MPP-22 | 89.5 | 5.4 | 112 | 17.1 | W 180TC | W 180TD | |
| | 1200 | 208-230/460 | 215T | MQP-23 | 89.5 | 15.6-14.2/7.1 | 162 | 20.4 | W 210TCP | N/A | 68 |
| | 1200 | 575 | 215T | MPP-23 | 89.5 | 5.68 | 162 | 20.4 | W 210TCP | N/A | |
| | 900 | 208-230/460 | 254T | MQP-24 | 86.5 | 17.69-16/8 | 286 | 23.2 | W 250TC | W 250TD | 68 |
| | 900 | 575 | 254T | MPP-24 | 86.5 | 6.5 | 286 | 23.2 | W 250TC | W 250TD | |
| 7.5 | 3600 | 208-230/460 | 184T | MQP-26S | 86.5 | 18.8-17.6/8.8 | 134 | 17.1 | W 180TC | W 180TD | 68 |
| | 3600 | 575 | 184T | MPP-26S | 89.5 | 7 | 134 | 17.1 | W 180TC | W 180TD | |
| | 3600 | 208-230/460 | 213T | MQP-26 | 89.5 | 18.8-17.6/8.8 | 150 | 18.9 | W 210TC | W 210TD | 68 |
| | 3600 | 575 | 213T | MPP-26 | 89.5 | 7 | 150 | 18.9 | W 210TC | W 210TD | |
| | 1800 | 208-230/460 | 213T | MQP-27 | 91.7 | 19.8-18.4/9.2 | 150 | 18.9 | W 210TCP | N/A | 68 |
| | 1800 | 575 | 213T | MPP-27 | 91.7 | 7.4 | 150 | 18.9 | W 210TCP | N/A | |
| | 1200 | 208-230/460 | 254T | MQP-28 | 91 | 23-20.8/10.4 | 272 | 23.2 | W 250TC | W 250TD | 68 |
| | 1200 | 575 | 254T | MPP-28 | 91 | 7.8 | 272 | 23.2 | W 250TC | W 250TD | |
| | 900 | 208-230/460 | 256T | MQP-29 | 86.5 | 26.54-24/11.5 | 315 | 25 | W 250TC | W 250TD | 68 |
| | 900 | 575 | 256T | MPP-29 | 86.5 | 9.6 | 315 | 25 | W 250TC | W 250TD | |
| 10 | 3600 | 208-230/460 | 215T | MQP-31 | 90.2 | 23.9-22.8/11.4 | 167 | 20.4 | W 210TC | W 210TD | 68 |
| | 3600 | 575 | 215T | MPP-31 | 90.2 | 9.1 | 167 | 20.4 | W 210TC | W 210TD | |
| | 1800 | 208-230/460 | 215T | MQP-32 | 91.7 | 26-24/12 | 167 | 20.4 | W 210TCP | N/A | 68 |
| | 1800 | 575 | 215T | MPP-32 | 91.7 | 9.6 | 167 | 20.4 | W 210TCP | N/A | |
| | 1200 | 208-230/460 | 256T | MQP-33 | 91 | 27.2-25.6/12.8 | 293 | 25 | W 250TCP | W 250TDP | 68 |
| | 1200 | 575 | 256T | MPP-33 | 91 | 10.2 | 293 | 25 | W 250TCP | W 250TDP | |
| | 900 | 208-230/460 | 284T | MQP-34 | 89.5 | 34.28-31/15.5 | 392 | 26.6 | W 280TC | W 280TD | 68 |
| | 900 | 575 | 284T | MPP-34 | 89.5 | 12.5 | 392 | 26.6 | W 280TC | W 280TD | |
| 15 | 3600 | 208-230/460 | 215T | MQP-36S | 91 | 36.2-34.4/17.2 | 162 | 20.4 | W 210TCP | N/A | 68 |
| | 3600 | 575 | 215T | MPP-36S | 91 | 13.8 | 162 | 20.4 | W 210TCP | N/A | |
| | 3600 | 208-230/460 | 254T | MQP-36 | 91 | 36.2-34.4/17.2 | 286 | 23.2 | W 250TC | W 250TD | 68 |
| | 3600 | 575 | 254T | MPP-36 | 91 | 13.8 | 286 | 23.2 | W 250TC | W 250TD | |
| | 1800 | 208-230/460 | 254T | MQP-37 | 92.4 | 37.2-36.4/18.2 | 297 | 23.2 | W 250TCP | W 250TDP | 68 |
| | 1800 | 575 | 254T | MPP-37 | 92.4 | 14.6 | 297 | 23.2 | W 250TCP | W 250TDP | |
| | 1200 | 208-230/460 | 284T | MQP-38 | 91.7 | 41-38/19 | 363 | 26.6 | W 280TC | W 280TD | 68 |
| | 1200 | 575 | 284T | MPP-38 | 91.7 | 15.2 | 363 | 26.6 | W 280TC | W 280TD | |
| | 900 | 208-230/460 | 286T | MQP-39 | 89.5 | 50.87-46/23 | 394 | 28.1 | W 280TC | W 280TD | 68 |
| | 900 | 575 | 286T | MPP-39 | 89.5 | 18.5 | 394 | 28.1 | W 280TC | W 280TD | |
| 20 | 3600 | 208-230/460 | 256T | MQP-41 | 91 | 48.5-46/23 | 315 | 25 | W 250TC | W 250TD | 68 |
| | 3600 | 575 | 256T | MPP-41 | 91 | 18.4 | 315 | 25 | W 250TC | W 250TD | |
| | 1800 | 208-230/460 | 256T | MQP-42 | 93 | 51.8-48.4/24.2 | 315 | 25 | W 250TCP | W 250TDP | 68 |
| | 1800 | 575 | 256T | MPP-42 | 93 | 19.1 | 315 | 25 | W 250TCP | W 250TDP | |
| | 1200 | 208-230/460 | 284T | MQP-43 | 91.7 | 54.7-50/25 | 394 | 28.1 | W 280TC | W 280TD | 68 |
| | 1200 | 575 | 284T | MPP-43 | 91.7 | 20 | 394 | 28.1 | W 280TC | W 280TD | |
| | 900 | 208-230/460 | 324T | MQP-44 | 90.2 | 64.13-58/28 | 444 | 29.8 | W 320TC | W 320TD | 68 |
| | 900 | 575 | 324T | MPP-44 | 90.2 | | 444 | 29.8 | W 320TC | W 320TD | |

**Footnotes:**

* **68** = Rated and Nameplated 60/50 Hertz

*CHART CONTINUES ON NEXT PAGE*

# PREMIUM DESIGN B NEMA 12-12

## CAST IRON CONSTRUCTION RIGID BASE

TEFC TOTALLY ENCLOSED FAN COOLED

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | C-FACE KITS | D-FLANGE KITS | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 3600 | 208-230/460 | 284TS | MQP-46 | 91.7 | 61-57/28.5 | 385 | 25.2 | W 280TC | W 280TD | 68 |
| | 3600 | 575 | 284TS | MPP-46 | 91.7 | 22.4 | 385 | 25.2 | W 280TC | W 280TD | |
| | 1800 | 208-230/460 | 284T | MQP-47 | 93.6 | 65-60/30 | 392 | 26.6 | W 280TC | W 280TD | 68 |
| | 1800 | 575 | 284T | MPP-47 | 93.6 | 24 | 392 | 26.6 | W 280TC | W 280TD | |
| | 1200 | 208-230/460 | 324T | MQP-48 | 93 | 67-61/30.5 | 508 | 29.8 | W 320TC | W 320TD | 68 |
| | 1200 | 575 | 324T | MPP-48 | 93 | 24.4 | 508 | 29.8 | W 320TC | W 320TD | |
| | 900 | 208-230/460 | 326T | MQP-49 | 90.2 | 84.04-76/38 | 469 | 31.3 | W 320TC | W 320TD | 68 |
| | 900 | 575 | 326T | MPP-49 | 90.2 | 30.5 | 469 | 31.3 | W 320TC | W 320TD | |
| 30 | 3600 | 208-230/460 | 286TS | MQP-51 | 91.7 | 74-69/34.5 | 409 | 26.7 | W 280TC | W 280TD | 68 |
| | 3600 | 575 | 286TS | MPP-51 | 91.7 | 27.6 | 409 | 26.7 | W 280TC | W 280TD | |
| | 1800 | 208-230/460 | 286T | MQP-52 | 93.6 | 76-70.6/35.3 | 418 | 28.1 | W 280TC | W 280TD | 68 |
| | 1800 | 575 | 286T | MPP-52 | 93.6 | 28.2 | 418 | 28.1 | W 280TC | W 280TD | |
| | 1200 | 208-230/460 | 326T | MQP-53 | 93 | 78-71.8/35.9 | 537 | 31.3 | W 320TC | W 320TD | 68 |
| | 1200 | 575 | 326T | MPP-53 | 93 | 28.7 | 537 | 31.3 | W 320TC | W 320TD | |
| | 900 | 208-230/460 | 364T | MQP-54 | 91.7 | 97.31-88/44 | 607 | 32.5 | W 360TC | W 360TD | 68 |
| | 900 | 575 | 364T | MPP-54 | 91.7 | 35 | 607 | 32.5 | W 360TC | W 360TD | |
| 40 | 3600 | 208-230/460 | 324TS | MQP-56 | 92.4 | 94.9-91/45.5 | 510 | 28.3 | W 320TC | W 320TD | 68 |
| | 3600 | 575 | 324TS | MPP-56 | 92.4 | 36.4 | 510 | 28.3 | W 320TC | W 320TD | |
| | 1800 | 208-230/460 | 324T | MQP-57 | 94.1 | 100-93.2/46.6 | 519 | 29.8 | W 320TC | W 320TD | 68 |
| | 1800 | 575 | 324T | MPP-57 | 94.1 | 37.3 | 519 | 29.8 | W 320TC | W 320TD | |
| | 1200 | 208-230/460 | 364T | MQP-58 | 94.1 | 110-100/50 | 697 | 32.5 | W 360TCP | W 360TDP | 68 |
| | 1200 | 575 | 364T | MPP-58 | 94.1 | 40 | 697 | 32.5 | W 360TCP | W 360TDP | |
| | 900 | 208-230/460 | 365T | MQP-59 | 91.7 | 123.85-112/56 | 902 | 33.5 | W 360TC | W 360TD | 68 |
| | 900 | 575 | 365T | MPP-59 | 91.7 | 36 | 902 | 33.5 | W 360TC | W 360TD | |
| 50 | 3600 | 208-230/460 | 324TS | MQP-61 | 93 | 124-116.2/58.1 | 548 | 29.8 | W 320TC | W 320TD | 68 |
| | 3600 | 575 | 324TS | MPP-61 | 93 | 46.4 | 548 | 29.8 | W 320TC | W 320TD | |
| | 1800 | 208-230/460 | 326T | MQP-62 | 93 | 124-116.2/58.1 | 594 | 31.3 | W 320TC | W 320TD | 68 |
| | 1800 | 575 | 326T | MPP-62 | 94.5 | 46.6 | 594 | 31.3 | W 320TC | W 320TD | |
| | 1200 | 208-230/460 | 364T | MQP-63 | 94.1 | 139-126/63 | 752 | 33.5 | W 360TCP | W 360TDP | 68 |
| | 1200 | 575 | 364T | MPP-63 | 94.1 | 50 | 752 | 33.5 | W 360TCP | W 360TDP | |
| | 900 | 208-230/460 | 404T | MQP-64 | 92.4 | 147.07-133/66.5 | 902 | 38 | W 400TC | W 400TD | 68, RB |
| | 900 | 575 | 404T | MPP-64 | 92.4 | 53.2 | 902 | 38 | W 400TC | W 400TD | RB |
| 60 | 3600 | 208-230/460 | 364TS | MQP-66 | 93.6 | 146-132/66 | 704 | 31.4 | W 360TC | W 360TD | 68 |
| | 3600 | 575 | 364TS | MPP-66 | 93.6 | 52.8 | 704 | 31.4 | W 360TC | W 360TD | |
| | 1800 | 208-230/460 | 364T | MQP-67 | 95 | 154-139/69.5 | 766 | 32.5 | W 360TCP | W 360TDP | 68 |
| | 1800 | 575 | 364T | MPP-67 | 95 | 55.6 | 766 | 32.5 | W 360TDP | W 360TDP | |
| | 1200 | 208-230/460 | 404T | MQP-68 | 94.5 | 154-140/70 | 1000 | 38 | W 400TCP | W 400TDP | 68, RB |
| | 1200 | 575 | 404T | MPP-68 | 94.5 | 56 | 1000 | 38 | W 400TCP | W 400TDP | RB |
| | 900 | 208-230/460 | 405T | MQP-69 | 92.4 | 176.92-160/80 | 1010 | 38 | W 400TC | W 400TD | 68, RB |
| | 900 | 575 | 405T | MPP-69 | 92.4 | 64 | 1010 | 38 | W 400TC | W 400TD | RB |
| 75 | 3600 | 208-230/460 | 365TS | MQP-71 | 93.6 | 184-166/83 | 766 | 31.4 | W 360TC | W 360TD | 68 |
| | 3600 | 575 | 365TS | MPP-71 | 93.6 | 66.5 | 766 | 31.4 | W 360TC | W 360TD | |
| | 1800 | 208-230/460 | 365T | MQP-72 | 95.4 | 193-174/87 | 783 | 33.5 | W 360TCP | W 360TDP | 68 |
| | 1800 | 575 | 365T | MPP-72 | 95.4 | 70 | 783 | 33.5 | W 360TCP | W 360TDP | |
| | 1200 | 208-230/460 | 405T | MQP-73 | 94.5 | 196.8-178/89 | 1120 | 38 | W 400TCP | W 400TDP | 68, RB |
| | 1200 | 575 | 405T | MPP-73 | 94.5 | 70 | 1120 | 38 | W 400TCP | W 400TDP | RB |
| | 900 | 460 | 444T | MQP-74 | 93.6 | 214.52-194/97 | 1353 | 44.3 | W 440TC | W 440TD | 68, RB |
| | 900 | 575 | 444T | MPP-74 | 93.6 | 77.6 | 1353 | 44.3 | W 440TC | W 440TD | RB |

**Footnotes:**

* **68** = Rated and Nameplated 60/50 Hertz
* **RB** = Roller Bearing Installed on DE

*CHART CONTINUES ON NEXT PAGE*

# PREMIUM DESIGN B NEMA 12-12

## CAST IRON CONSTRUCTION RIGID BASE

### TEFC TOTALLY ENCLOSED FAN COOLED

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | C-FACE KITS | D-FLANGE KITS | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 3600 | 208-230/460 | 405TS | MQP-76 | 94.1 | 243.3-220/110 | 1040 | 35 | W 400TC | W 400TD | 68 |
| | 3600 | 575 | 405TS | MPP-76 | 94.1 | 89 | 1040 | 35 | W 400TC | W 400TD | |
| | 1800 | 208-230/460 | 405T | MQP-77 | 95.4 | 248-224/112 | 1058 | 38 | W 400TCP | W 400TDP | 68, RB |
| | 1800 | 575 | 405T | MPP-77 | 95.4 | 89.6 | 1058 | 38 | W 400TCP | W 400TDP | 68, RB |
| | 1200 | 460 | 444T | MQP-78 | 95 | 122 | 1320 | 44.3 | W 440TCP | W 440TDP | 68, RB |
| | 1200 | 575 | 444T | MPP-78 | 95 | 96 | 1320 | 44.3 | W 440TCP | W 440TDP | RB |
| | 900 | 460 | 445T | MQP-79 | 93.6 | 126 | 1373 | 44.3 | W 440TC | W 440TD | 68, RB |
| | 900 | 575 | 445T | MPP-79 | 93.6 | 100.8 | 1373 | 44.3 | W 440TC | W 440TD | RB |
| 125 | 3600 | 460 | 444TS | MQP-81 | 95 | 140 | 1247 | 40.6 | W 440TCP | W 440TDP | 68 |
| | 3600 | 575 | 444TS | MPP-81 | 95 | 111 | 1247 | 40.6 | W 440TCP | W 440TDP | |
| | 1800 | 460 | 444T | MQP-82 | 95.4 | 145 | 1342 | 44.3 | W 440TC | W 440TD | 68, RB |
| | 1800 | 575 | 444T | MPP-82 | 95.4 | 115 | 1342 | 44.3 | W 440TC | W 440TC | RB |
| | 1200 | 460 | 445T | MQP-83 | 95 | 147 | 1400 | 44.3 | W 440TCP | W 440TDP | 68, RB |
| | 1200 | 575 | 445T | MPP-83 | 95 | 117.6 | 1400 | 44.3 | W 440TCP | W 440TDP | RB |
| | 900 | 460 | 447T | MQP-84 | 94.1 | 158 | 1680 | 47.8 | W 440TC | W 440TD | 68, RB |
| | 900 | 575 | 447T | MPP-84 | 94.1 | 126.4 | 1680 | 47.8 | W 440TC | W 440TD | RB |
| 150 | 3600 | 460 | 445TS | MQP-86 | 95 | 166 | 1408 | 40.6 | W 440TCP | W 440TDP | 68 |
| | 3600 | 575 | 445TS | MPP-86 | 95 | 133 | 1408 | 40.6 | W 440TCP | W 440TDP | RB |
| | 1800 | 460 | 445T | MQP-87 | 95.8 | 171 | 1672 | 47.8 | W 440TCP | W 440TDP | 68, RB |
| | 1800 | 575 | 445T | MPP-87 | 95.8 | 137 | 1672 | 47.8 | W 440TCP | W 440TDP | RB |
| | 1200 | 460 | 447T | MQP-88 | 95.8 | 173 | 1800 | 47.8 | W 440TCP | W 440TDP | 68, RB |
| | 1200 | 575 | 447T | MPP-88 | 95.8 | 138 | 1800 | 47.8 | W 440TCP | W 440TDP | RB |
| | 900 | 460 | 449T | MQP-89 | 94.1 | 186 | 1800 | 52.8 | W 440TC | W 440TD | 68, RB |
| | 900 | 575 | 449T | MPP-89 | 94.1 | 148.8 | 1800 | 52.8 | W 440TC | W 440TD | RB |
| 200 | 3600 | 460 | 447TS | MQP-96 | 95.4 | 222 | 2185 | 44.1 | W 440TCP | W 440TDP | 68 |
| | 3600 | 575 | 447TS | MPP-96 | 95.4 | 170 | 2185 | 44.1 | W 440TCP | W 440TDP | |
| | 1800 | 460 | 447T | MQP-97 | 96.2 | 220 | 2260 | 47.8 | W 440TCP | W 440TDP | 68, RB |
| | 1800 | 575 | 447T | MPP-97 | 96.2 | 176 | 2260 | 47.8 | W 440TCP | W 440TDP | RB |
| | 1200 | 460 | 449T | MQP-98 | 95.8 | 220 | 3100 | 52.8 | W 440TCP | W 440TDP | 68, RB |
| | 1200 | 575 | 449T | MPP-98 | 95.8 | 184 | 3100 | 52.8 | W 440TCP | W 440TDP | RB |
| 250 | 3600 | 460 | 449TS | MQP-101 | 95.8 | 266 | 2700 | 49.1 | W 440TCP | W 440TDP | 68 |
| | 3600 | 575 | 449TS | MPP-101 | 95.8 | 212.6 | 2700 | 49.1 | W 440TCP | W 440TDP | |
| | 1800 | 460 | 449T | MQP-102 | 96.2 | 275 | 3100 | 52.8 | W 440TCP | W 440TDP | 68, RB |
| | 1800 | 575 | 449T | MPP-102 | 96.2 | 220 | 3100 | 52.8 | W 440TCP | W 440TDP | 68 |
| 300 | 3600 | 460 | 449TS | MQP-106 | 95.8 | 320 | 2900 | 49.1 | W 440TCP | W 440TDP | 68 |
| | 3600 | 575 | 449TS | MPP-106 | 95.8 | 256 | 2900 | 49.1 | W 440TCP | W 440TDP | |
| | 1800 | 460 | 449T | MQP-107 | 330 | 330 | 3220 | 52.8 | W 440TCP | W 440TDP | 68, RB |
| | 1800 | 575 | 449T | MPP-107 | 96.2 | 264 | 3220 | 52.8 | W 440TCP | W 440TDP | RB |

**Footnotes:**

* **68** = Rated and Nameplated 60/50 Hertz
* **RB** = Roller Bearing Installed on DE

# PREMIUM DESIGN B NEMA 12-12

## ROLLED STEEL & CAST IRON CONSTRUCTION RIGID BASE

ODP OPEN DRIPROOF

MaxMotion

## Features:

- MG-1 Design B and MG-1 Part 31
- Meets or exceeds NEMA Premium Efficiencies
- IP23 enclosure
- Rated and Nameplated 60/50 Hertz 190/380-415 or 380-415 @ 1.0 SF
- Inverter Duty 10:1 Constant Torque, 20:1 Variable Torque 1.0 SF meets MG1 parts 31.4.4.2
- Class F Insulation
- 1.15 Service Factor
- F1 Standard Assembly, Reversible to F2 Assembly
- Provision to accept Drip Cover, See Accessories Page
- CSAus & CE Certified
- 36 Months Warranty



| HP | RPM | VOLTS | FRAME | CAT NO. | CONSTRUCTION | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | C-FACE KITS | D-FLANGE KITS | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3600 | 208-230/460 | 143T | MQOP-1 | Rolled Steel | 77 | 3.5-3.2/1.6 | 41 | 11.2 | W 140TCO-6205 | W 140TDO-6205 | 68 |
| | 3600 | 575 | 143T | MPOP-1 | Rolled Steel | 77 | 1.3 | 41 | 11.2 | W 140TCO-6205 | W 140TDO-6205 | |
| | 1800 | 208-230/460 | 143T | MQOP-2 | Rolled Steel | 85.5 | 3.5-3.2/1.5 | 47 | 11.2 | W 140TCO-6205 | W 140TDO-6205 | 68 |
| | 1800 | 575 | 143T | MPOP-2 | Rolled Steel | 85.5 | 1.3 | 47 | 12 | W 140TCO-6205 | W 140TDO-6205 | |
| | 1200 | 208-230/460 | 145T | MQOP-3 | Rolled Steel | 82.5 | 3.7-3.4/1.7 | 52 | 12 | W 140TCO-6205 | W 140TDO-6205 | 68 |
| | 1200 | 575 | 145T | MPOP-3 | Rolled Steel | 82.5 | 1.4 | 52 | 12 | W 140TCO-6205 | W 140TDO-6205 | |
| 1.5 | 3600 | 208-230/460 | 143T | MQOP-6 | Rolled Steel | 84 | 4.4-4/2 | 46 | 11.2 | W 140TCO-6205 | W 140TDO-6205 | 68 |
| | 3600 | 575 | 143T | MPOP-6 | Rolled Steel | 84 | 1.6 | 46 | 11.2 | W 140TCO-6205 | W 140TDO-6205 | |
| | 1800 | 208-230/460 | 145T | MQOP-7 | Rolled Steel | 86.5 | 5.1-4.6/2.3 | 55 | 12 | W 140TCO-6205 | W 140TDO-6205 | 68 |
| | 1800 | 575 | 145T | MPOP-7 | Rolled Steel | 86.5 | 1.9 | 55 | 12 | W 140TCO-6205 | W 140TDO-6205 | |
| | 1200 | 208-230/460 | 182T | MQOP-8 | Rolled Steel | 86.5 | 5.3-4.8/2.4 | 95 | 14.1 | W 180TCO-6206 | W 180TDO-6206 | 68 |
| | 1200 | 575 | 182T | MPOP-8 | Rolled Steel | 86.5 | 1.9 | 95 | 14.1 | W 180TCO-6206 | W 180TDO-6206 | |
| 2 | 3600 | 208-230/460 | 145T | MQOP-11 | Rolled Steel | 85.5 | 5.7-5.2/2.6 | 52 | 12 | W 140TCO-6205 | W 140TDO-6205 | 68 |
| | 3600 | 575 | 145T | MPOP-11 | Rolled Steel | 85.5 | 2.1 | 52 | 12 | W 140TCO-6205 | W 140TDO-6205 | |
| | 1800 | 208-230/460 | 145T | MQOP-12 | Rolled Steel | 86.5 | 6.6-6/3 | 56 | 12 | W 140TCO-6205 | W 140TDO-6205 | 68 |
| | 1800 | 575 | 145T | MPOP-12 | Rolled Steel | 86.5 | 2.4 | 56 | 12 | W 140TCO-6205 | W 140TDO-6205 | |
| | 1200 | 208-230/460 | 184T | MQOP-13 | Rolled Steel | 87.5 | 6.6-6/3 | 103 | 14.9 | W 180TCO-6206 | W 180TDO-6206 | 68 |
| | 1200 | 575 | 184T | MPOP-13 | Rolled Steel | 87.5 | 2.4 | 103 | 14.9 | W 180TCO-6206 | W 180TDO-6206 | |
| 3 | 3600 | 208-230/460 | 145T | MQOP-16 | Rolled Steel | 85.5 | 8.1-7.4/3.7 | 90 | 12 | W 140TCO-6205 | W 140TDO-6205 | 68 |
| | 3600 | 575 | 145T | MPOP-16 | Rolled Steel | 85.5 | 3 | 90 | 12 | W 140TCO-6205 | W 140TDO-6205 | |
| | 1800 | 208-230/460 | 182T | MQOP-17 | Rolled Steel | 89.5 | 9-8.2/4.1 | 97 | 14.1 | W 180TCO-6206 | W 180TDO-6206 | 68 |
| | 1800 | 575 | 182T | MPOP-17 | Rolled Steel | 89.5 | 3.3 | 97 | 14.1 | W 180TCO-6206 | W 180TDO-6206 | |
| | 1200 | 208-230/460 | 213T | MQOP-18 | Rolled Steel | 88.5 | 9.5-8.6/4.3 | 136 | 16.54 | W 210TCO-6208 | N/A | 68 |
| | 1200 | 575 | 213T | MPOP-18 | Rolled Steel | 88.5 | 3.4 | 136 | 16.54 | W 210TCO-6208 | N/A | |
| 5 | 3600 | 208-230/460 | 184T | MQOP-21 | Rolled Steel | 86.5 | 13.6-12.4/6.2 | 110 | 14.9 | W 180TCO-6206 | W 180TDO-6206 | 68 |
| | 3600 | 575 | 184T | MPOP-21 | Rolled Steel | 86.5 | 5 | 110 | 14.9 | W 180TCO-6206 | W 180TDO-6206 | |
| | 1800 | 208-230/460 | 184T | MQOP-22 | Rolled Steel | 89.5 | 14.7-13.4/6.7 | 112 | 14.9 | W 180TCO-6206 | W 180TDO-6206 | 68 |
| | 1800 | 575 | 184T | MPOP-22 | Rolled Steel | 89.5 | 5.4 | 112 | 14.9 | W 180TCO-6206 | W 180TDO-6206 | |
| | 1200 | 208-230/460 | 215T | MQOP-23 | Rolled Steel | 89.5 | 15.4-14/7 | 162 | 17.52 | W 210TCO-6208 | N/A | 68 |
| | 1200 | 575 | 215T | MPOP-23 | Rolled Steel | 89.5 | 5.6 | 162 | 17.52 | W 210TCO-6208 | N/A | |
| 7.5 | 3600 | 208-230/460 | 184T | MQOP-26 | Rolled Steel | 88.5 | 19.4-17.6/8.8 | 145 | 14.9 | W 180TCO-6206 | W 180TDO-6206 | 68 |
| | 3600 | 575 | 184T | MPOP-26 | Rolled Steel | 88.5 | 7 | 145 | 14.9 | W 180TCO-6206 | W 180TDO-6206 | |
| | 1800 | 208-230/460 | 213T | MQOP-27 | Rolled Steel | 91 | 21.1-19.2/9.6 | 150 | 16.54 | W 210TCO-6208 | N/A | 68 |
| | 1800 | 575 | 213T | MPOP-27 | Rolled Steel | 91 | 7.7 | 150 | 16.54 | W 210TCO-6208 | N/A | |
| | 1200 | 208-230/460 | 254T | MQOP-28 | Cast Iron | 90.2 | 22.9-20.8/10.4 | 272 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | 68 |
| | 1200 | 575 | 254T | MPOP-28 | Cast Iron | 90.2 | 8.3 | 272 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | |

### Footnotes:

* **68** = Rated and Nameplated 60/50 Hertz

*CHART CONTINUES ON NEXT PAGE*

# PREMIUM DESIGN B NEMA 12-12

## ROLLED STEEL & CAST IRON CONSTRUCTION RIGID BASE

### ODP OPEN DRIPROOF

MaxMotion

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | RPM | VOLTS | FRAME | CAT NO. | CONSTRUCTION | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | C-FACE KITS | D-FLANGE KITS | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 3600 | 208-230/460 | 215T | MQOP-31 | Rolled Steel | 89.5 | 28.2-25.6/12.8 | 167 | 17.52 | W 210TCO-6208 | N/A | 68 |
| | 3600 | 575 | 215T | MPOP-31 | Rolled Steel | 89.5 | 10.2 | 167 | 17.52 | W 210TCO-6208 | N/A | |
| | 1800 | 208-230/460 | 215T | MQOP-32 | Rolled Steel | 91.7 | 28.6-26/13 | 167 | 17.52 | W 210TCO-6208 | N/A | 68 |
| | 1800 | 575 | 215T | MPOP-32 | Rolled Steel | 91.7 | 10.5 | 167 | 17.52 | W 210TCO-6208 | N/A | |
| | 1200 | 208-230/460 | 256T | MQOP-33 | Cast Iron | 91.7 | 29.7-27/13.5 | 293 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | 68 |
| | 1200 | 575 | 256T | MPOP-33 | Cast Iron | 91.7 | 10.8 | 293 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | |
| 15 | 3600 | 208-230/460 | 215T | MQOP-36 | Rolled Steel | 90.2 | 41.8-38/19 | 286 | 17.52 | W 210TCO-6208 | N/A | 68 |
| | 3600 | 575 | 215T | MPOP-36 | Rolled Steel | 90.2 | 15.5 | 286 | 17.52 | W 210TCO-6208 | N/A | |
| | 1800 | 208-230/460 | 254T | MQOP-37 | Cast Iron | 93 | 40-36/18 | 297 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | 68 |
| | 1800 | 575 | 254T | MPOP-37 | Cast Iron | 93 | 14.4 | 297 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | |
| | 1200 | 208-230/460 | 284T | MQOP-38 | Cast Iron | 91.7 | 44-40/20 | 363 | 24.8 | W 280TCO-6311 | W 280TDO-6311 | 68 |
| | 1200 | 575 | 284T | MPOP-38 | Cast Iron | 91.7 | 16 | 363 | 24.8 | W 280TCO-6311 | W 280TDO-6311 | |
| 20 | 3600 | 208-230/460 | 254T | MQOP-41 | Cast Iron | 91 | 51-46/23 | 315 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | 68 |
| | 3600 | 575 | 254T | MPOP-41 | Cast Iron | 91 | 18.5 | 315 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | |
| | 1800 | 208-230/460 | 256T | MQOP-42 | Cast Iron | 93 | 53-48/24 | 315 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | 68 |
| | 1800 | 575 | 256T | MPOP-42 | Cast Iron | 93 | 19.2 | 315 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | |
| | 1200 | 208-230/460 | 284T | MQOP-43 | Cast Iron | 92.4 | 57-52/26 | 394 | 24.8 | W 280TCO-6311 | W 280TDO-6311 | 68 |
| | 1200 | 575 | 284T | MPOP-43 | Cast Iron | 92.4 | 21 | 394 | 24.8 | W 280TCO-6311 | W 280TDO-6311 | |
| 25 | 3600 | 208-230/460 | 256T | MQOP-46 | Cast Iron | 91.7 | 63-57/28.5 | 385 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | 68 |
| | 3600 | 575 | 256T | MPOP-46 | Cast Iron | 91.7 | 23 | 385 | 22.15 | W 250TCO-6309 | W 250TDO-6309 | |
| | 1800 | 208-230/460 | 284T | MQOP-47 | Cast Iron | 93.6 | 66-60/30 | 392 | 24.8 | W 280TCO-6311 | W 280TDO-6311 | 68 |
| | 1800 | 575 | 284T | MPOP-47 | Cast Iron | 93.6 | 24 | 392 | 24.8 | W 280TCO-6311 | W 280TDO-6311 | |
| | 1200 | 208-230/460 | 324T | MQOP-48 | Cast Iron | 93 | 70-64/32 | 508 | 27.1 | W 320TCO-6312 | W 320TDO-6312 | 68 |
| | 1200 | 575 | 324T | MPOP-48 | Cast Iron | 93 | 26 | 508 | 27.1 | W 320TCO-6312 | W 320TDO-6312 | |
| 30 | 3600 | 208-230/460 | 284TS | MQOP-51 | Cast Iron | 91.7 | 77-70/35 | 409 | 23.43 | W 280TCO-6311 | W 280TDO-6311 | 68 |
| | 3600 | 575 | 284TS | MPOP-51 | Cast Iron | 91.7 | 28 | 409 | 23.43 | W 280TCO-6311 | W 280TDO-6311 | |
| | 1800 | 208-230/460 | 286T | MQOP-52 | Cast Iron | 94.1 | 77-70/35 | 418 | 24.8 | W 280TCO-6311 | W 280TDO-6311 | 68 |
| | 1800 | 575 | 286T | MPOP-52 | Cast Iron | 94.1 | 28 | 418 | 24.8 | W 280TCO-6311 | W 280TDO-6311 | |
| | 1200 | 208-230/460 | 326T | MQOP-53 | Cast Iron | 93.6 | 84-76/38 | 537 | 27.1 | W 320TCO-6312 | W 320TDO-6312 | 68 |
| | 1200 | 575 | 326T | MPOP-53 | Cast Iron | 93.6 | 30.5 | 537 | 27.1 | W 320TCO-6312 | W 320TDO-6312 | |
| 40 | 3600 | 208-230/460 | 286TS | MQOP-56 | Cast Iron | 92.4 | 99-90/45 | 510 | 23.43 | W 280TCO-6311 | W 280TDO-6311 | 68 |
| | 3600 | 575 | 286TS | MPOP-56 | Cast Iron | 92.4 | 36 | 510 | 23.43 | W 280TCO-6311 | W 280TDO-6311 | |
| | 1800 | 208-230/460 | 324T | MQOP-57 | Cast Iron | 94.1 | 106-96/48 | 519 | 27.1 | W 320TCO-6312 | W 320TDO-6312 | 68 |
| | 1800 | 575 | 324T | MPOP-57 | Cast Iron | 94.1 | 38.4 | 519 | 27.1 | W 320TCO-6312 | W 320TDO-6312 | |
| | 1200 | 208-230/460 | 364T | MQOP-58 | Cast Iron | 94.1 | 110-100/50 | 697 | 29.3 | W 360TCO-6313 | W 360TDO-6313 | 68 |
| | 1200 | 575 | 364T | MPOP-58 | Cast Iron | 94.1 | 40 | 697 | 29.3 | W 360TCO-6313 | W 360TDO-6313 | |
| 50 | 3600 | 208-230/460 | 324TS | MQOP-61 | Cast Iron | 93 | 122-110/55 | 548 | 25.6 | W 320TCO-6312 | W 320TDO-6312 | 68 |
| | 3600 | 575 | 324TS | MPOP-61 | Cast Iron | 93 | 44 | 548 | 25.6 | W 320TCO-6312 | W 320TDO-6312 | |
| | 1800 | 208-230/460 | 326T | MQOP-62 | Cast Iron | 94.5 | 130-118/59 | 594 | 27.1 | W 320TCO-6312 | W 320TDO-6312 | 68 |
| | 1800 | 575 | 326T | MPOP-62 | Cast Iron | 94.5 | 48 | 594 | 27.1 | W 320TCO-6312 | W 320TDO-6312 | |
| | 1200 | 208-230/460 | 365T | MQOP-63 | Cast Iron | 94.1 | 139-126/63 | 752 | 29.3 | W 360TCO-6313 | W 360TDO-6313 | 68 |
| | 1200 | 575 | 365T | MPOP-63 | Cast Iron | 94.1 | 50 | 752 | 29.3 | W 360TCO-6313 | W 360TDO-6313 | |
| 60 | 3600 | 208-230/460 | 326TS | MQOP-66 | Cast Iron | 93.6 | 145-132/66 | 704 | 25.6 | W 320TCO-6312 | W 320TDO-6312 | 68 |
| | 3600 | 575 | 326TS | MPOP-66 | Cast Iron | 93.6 | 52.8 | 704 | 25.6 | W 320TCO-6312 | W 320TDO-6312 | |
| | 1800 | 208-230/460 | 364T | MQOP-67 | Cast Iron | 95 | 154-140/70 | 766 | 29.3 | W 360TCO-6313 | W 360TDO-6313 | 68 |
| | 1800 | 575 | 364T | MPOP-67 | Cast Iron | 95 | 56 | 766 | 29.3 | W 360TCO-6313 | W 360TDO-6313 | |
| | 1200 | 208-230/460 | 404T | MQOP-68 | Cast Iron | 94.5 | 154-140/70 | 1000 | 33.3 | W 400TCO-6318 | W 400TDO-6318 | 68, RB |
| | 1200 | 575 | 404T | MPOP-68 | Cast Iron | 94.5 | 56 | 1000 | 33.3 | W 400TCO-6318 | W 400TDO-6318 | RB |

**Footnotes:**

* **68** = Rated and Nameplated 60/50 Hertz
* **RB** = Roller Bearing Installed on DE

*CHART CONTINUES ON NEXT PAGE*

# PREMIUM DESIGN B NEMA 12-12

## ROLLED STEEL & CAST IRON CONSTRUCTION RIGID BASE

### ODP OPEN DRIPROOF

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | RPM | VOLTS | FRAME | CAT NO. | CONSTRUCTION | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | C-FACE KITS | D-FLANGE KITS | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 3600 | 208-230/460 | 364TS | MQOP-71 | Cast Iron | 93.6 | 183-166/83 | 766 | 27.17 | W 360TCO-6313 | W 360TDO-6313 | 68 |
| | 3600 | 575 | 364TS | MPOP-71 | Cast Iron | 93.6 | 67 | 766 | 27.17 | W 360TCO-6313 | W 360TDO-6313 | |
| | 1800 | 208-230/460 | 365T | MQOP-72 | Cast Iron | 95 | 191-174/87 | 783 | 29.3 | W 360TCO-6313 | W 360TDO-6313 | 68 |
| | 1800 | 575 | 365T | MPOP-72 | Cast Iron | 95 | 70 | 783 | 29.3 | W 360TCO-6313 | W 360TDO-6313 | |
| | 1200 | 208-230/460 | 405T | MQOP-73 | Cast Iron | 94.5 | 192-174/87 | 1120 | 33.3 | W 400TCO-6318 | W 400TDO-6318 | 68, RB |
| | 1200 | 575 | 405T | MPOP-73 | Cast Iron | 94.5 | 70 | 1120 | 33.3 | W 400TCO-6318 | W 400TDO-6318 | RB |
| 100 | 3600 | 208-230/460 | 365TS | MQOP-76 | Cast Iron | 93.6 | 245-222/112 | 1040 | 27.17 | W 360TCO-6313 | W 360TDO-6313 | 68 |
| | 3600 | 575 | 365TS | MPOP-76 | Cast Iron | 93.6 | 90 | 1040 | 27.17 | W 360TCO-6313 | W 360TDO-6313 | |
| | 1800 | 208-230/460 | 404T | MQOP-77 | Cast Iron | 95.4 | 246-224/112 | 1058 | 33.3 | W 400TCO-6318 | W 400TDO-6318 | 68, RB |
| | 1800 | 575 | 404T | MPOP-77 | Cast Iron | 95.4 | 90 | 1058 | 33.3 | W 400TCO-6318 | W 400TDO-6318 | RB |
| | 1200 | 208-230/460 | 444T | MQOP-78 | Cast Iron | 95 | 257-234/117 | 1320 | 39.5 | W 440TCO-6319 | W 440TDO-6319 | 68, RB |
| | 1200 | 575 | 444T | MPOP-78 | Cast Iron | 95 | 94 | 1320 | 39.5 | W 440TCO-6319 | W 440TDO-6319 | RB |
| 125 | 3600 | 460 | 404TS | MQOP-81 | Cast Iron | 94.1 | 138 | 1247 | 33.3 | W 400TSCO-6314 | W 400TSCO-6314 | 68 |
| | 3600 | 575 | 404TS | MPOP-81 | Cast Iron | 94.1 | 110 | 1247 | 33.3 | W 400TSCO-6314 | W 400TSCO-6314 | |
| | 1800 | 460 | 405T | MQOP-82 | Cast Iron | 95.4 | 141 | 1342 | 33.3 | W 400TCO-6318 | W 400TDO-6318 | 68, RB |
| | 1800 | 575 | 405T | MPOP-82 | Cast Iron | 95.4 | 113 | 1342 | 33.3 | W 400TCO-6318 | W 400TDO-6318 | RB |
| | 1200 | 460 | 445T | MQOP-83 | Cast Iron | 95 | 146 | 1400 | 39.5 | W 440TCO-6319 | W 440TDO-6319 | 68, RB |
| | 1200 | 575 | 445T | MPOP-83 | Cast Iron | 95 | 118 | 1400 | 39.5 | W 440TCO-6319 | W 440TDO-6319 | RB |
| 150 | 3600 | 460 | 405TS | MQOP-86 | Cast Iron | 94.1 | 166 | 1408 | 33.3 | W 400TSCO-6314 | W 400TSCO-6314 | 68 |
| | 3600 | 575 | 405TS | MPOP-86 | Cast Iron | 94.1 | 132 | 1408 | 33.3 | W 400TSCO-6314 | W 400TSCO-6314 | |
| | 1800 | 460 | 444T | MQOP-87 | Cast Iron | 95.8 | 167 | 1672 | 39.5 | W 440TCO-6319 | W 440TDO-6319 | 68, RB |
| | 1800 | 575 | 444T | MPOP-87 | Cast Iron | 95.8 | 134 | 1672 | 39.5 | W 440TCO-6319 | W 440TDO-6319 | RB |
| | 1200 | 460 | 447T | MQOP-88 | Cast Iron | 95.4 | 173 | 1800 | 43 | W 440TCO-6319 | W 440TDO-6319 | 68, RB |
| | 1200 | 575 | 447T | MPOP-88 | Cast Iron | 95.4 | 138 | 1800 | 43 | W 440TCO-6319 | W 440TDO-6319 | RB |
| 200 | 3600 | 460 | 444TS | MQOP-96 | Cast Iron | 95 | 219 | 1584 | 34.75 | W 440TSCO-6314 | W 440TSDO-6314 | 68 |
| | 3600 | 575 | 444TS | MPOP-96 | Cast Iron | 95 | 175 | 1584 | 34.75 | W 440TSCO-6314 | W 440TSDO-6314 | |
| | 1800 | 460 | 445T | MQOP-97 | Cast Iron | 95.8 | 220 | 1782 | 39.5 | W 440TCO-6319 | W 440TDO-6319 | 68, RB |
| | 1800 | 575 | 445T | MPOP-97 | Cast Iron | 95.8 | 176 | 1782 | 39.5 | W 440TCO-6319 | W 440TDO-6319 | RB |
| | 1200 | 460 | 449T | MQOP-98 | Cast Iron | 95.4 | 230 | 2100 | 48 | W 440TCO-6319 | W 440TDO-6319 | 68, RB |
| | 1200 | 575 | 449T | MPOP-98 | Cast Iron | 95.4 | 185 | 2100 | 48 | W 440TCO-6319 | W 440TDO-6319 | RB |
| 250 | 3600 | 460 | 445TS | MQOP-101 | Cast Iron | 95 | 270 | 1870 | 34.75 | W 440TSCO-6314 | W 440TSDO-6314 | 68 |
| | 3600 | 575 | 445TS | MPOP-101 | Cast Iron | 95 | 216 | 1870 | 34.75 | W 440TSCO-6314 | W 440TSDO-6314 | |
| | 1800 | 460 | 447T | MQOP-102 | Cast Iron | 95.8 | 280 | 2150 | 43 | W 440TCO-6319 | W 440TDO-6319 | 68, RB |
| | 1800 | 575 | 447T | MPOP-102 | Cast Iron | 95.8 | 224 | 2150 | 43 | W 440TCO-6319 | W 440TDO-6319 | RB |
| 300 | 3600 | 460 | 447TS | MQOP-106 | Cast Iron | 95.4 | 322 | 2002 | 38.25 | W 440TSCO-6314 | W 440TSDO-6314 | 68 |
| | 3600 | 575 | 447TS | MPOP-106 | Cast Iron | 95.4 | 258 | 2002 | 38.25 | W 440TSCO-6314 | W 440TSDO-6314 | |
| | 1800 | 460 | 449T | MQOP-107 | Cast Iron | 95.8 | 335 | 2220 | 48 | W 440TCO-6319 | W 440TDO-6319 | 68, RB |
| | 1800 | 575 | 449T | MPOP-107 | Cast Iron | 95.8 | 260 | 2220 | 48 | W 440TCO-6319 | W 440TDO-6319 | RB |
| 350 | 3600 | 460 | 449TS | MQOP-111 | Cast Iron | 95.4 | 373 | 2400 | 43.25 | W 440TSCO-6314 | W 440TSDO-6314 | 68 |
| | 3600 | 575 | 449TS | MPOP-111 | Cast Iron | 95.4 | 299 | 2400 | 43.25 | W 440TSCO-6314 | W 440TSDO-6314 | |

**Footnotes:**

* **68** = Rated and Nameplated 60/50 Hertz
* **RB** = Roller Bearing Installed on DE

# PREMIUM DESIGN B NEMA 12-12

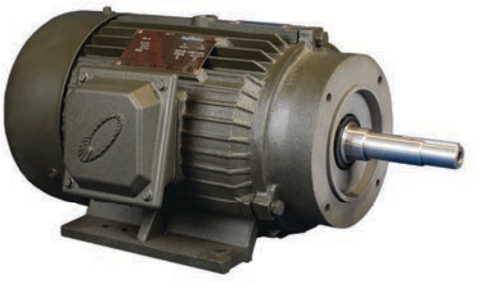
**CLOSE COUPLED PUMP MOTORS JM STYLE | CAST IRON**

**CONSTRUCTION RIGID BASE** TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- MG-1 Design B and MG-1 Part 31
- Meets or exceeds NEMA Premium Efficiencies
- Factory Certified Division 2, Class I Groups A, B, C, D, Class II Groups F&G
- Meets Temperature Code T2B
- IP55 enclosure
- Rated and Nameplated 60/50 Hertz 190/380-415 @ 1.0 SF
- Inverter Duty 10:1 Constant Torque, 20:1 Variable Torque 1.0 SF meets MG1 parts 31.4.4.2
- 1.25 Service Factor
- Class F Insulation
- F1 Standard Assembly, Reversible to F2 Assembly
- Provision to accept Drip Cover, See Accessories Page
- CSAus & CE Certified
- 36 Months Warranty



| HP | RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1800 | 208-230/460 | 143JM | JMQP-2 | 85.5 | 3.2-3/1.5 | 47 | 16.23 | 68 |
| | 1800 | 575 | 143JM | JMPP-2 | 85.5 | 1.2 | 47 | 16.23 | |
| | 1200 | 208-230/460 | 145JM | JMQP-3 | 82.5 | 4.1-3.7/1.85 | 52 | 17.23 | 68 |
| | 1200 | 575 | 145JM | JMPP-3 | 82.5 | 1.45 | 52 | 17.23 | |
| 1.5 | 1800 | 208-230/460 | 145JM | JMQP-7 | 86.5 | 5.1-4.6/2.3 | 55 | 17.23 | 68 |
| | 1800 | 575 | 145JM | JMPP-7 | 86.5 | 1.9 | 55 | 17.23 | |
| | 1200 | 208-230/460 | 182JM | JMQP-8 | 87.5 | 5.2-4.8/2.4 | 95 | 19.48 | 68 |
| | 1200 | 575 | 182JM | JMPP-8 | 87.5 | 1.9 | 95 | 19.48 | |
| 2 | 3600 | 208-230/460 | 145JM | JMQP-11 | 85.5 | 5.8-5.3/2.65 | 52 | 17.23 | 68 |
| | 3600 | 575 | 145JM | JMPP-11 | 85.5 | 2.05 | 52 | 17.23 | |
| | 1800 | 208-230/460 | 145JM | JMQP-12 | 86.5 | 6.6-6/3 | 56 | 17.23 | 68 |
| | 1800 | 575 | 145JM | JMPP-12 | 96.5 | 2.4 | 56 | 17.23 | |
| | 1200 | 208-230/460 | 184JM | JMQP-13 | 88.5 | 6.6-6/3 | 103 | 19.48 | 68 |
| | 1200 | 575 | 184JM | JMPP-13 | 88.5 | 2.4 | 103 | 19.48 | |
| 3 | 3600 | 208-230/460 | 145JM | JMQP-16S | 86.5 | 8.84-8/4 | 90 | 17.23 | 68 |
| | 3600 | 575 | 145JM | JMPP-16S | 86.5 | 3.2 | 90 | 17.23 | |
| | 3600 | 208-230/460 | 182JM | JMQP-16 | 86.5 | 8.4-7.6/3.8 | 95 | 18.48 | 68 |
| | 3600 | 575 | 182JM | JMPP-16 | 86.5 | 3 | 95 | 18.48 | |
| | 1800 | 208-230/460 | 182JM | JMQP-17 | 89.5 | 8.2-7.6/3.8 | 97 | 18.48 | 68 |
| | 1800 | 575 | 182JM | JMPP-17 | 89.5 | 3 | 97 | 18.48 | |
| | 1200 | 208-230/460 | 213JM | JMQP-18 | 89.5 | 9.2-8.4/4.2 | 136 | 20.78 | 68 |
| | 1200 | 575 | 213JM | JMPP-18 | 89.5 | 3.4 | 136 | 20.78 | |
| 5 | 3600 | 208-230/460 | 184JM | JMQP-21 | 88.5 | 13-11.6/5.8 | 110 | 19.48 | 68 |
| | 3600 | 575 | 184JM | JMPP-21 | 88.5 | 4.6 | 110 | 19.48 | |
| | 1800 | 208-230/460 | 184JM | JMQP-22 | 89.5 | 14-13.6/6.8 | 112 | 19.48 | 68 |
| | 1800 | 575 | 184JM | JMPP-22 | 89.5 | 5.4 | 112 | 19.48 | |
| | 1200 | 208-230/460 | 215JM | JMQP-23 | 89.5 | 15.6-14.2/7.1 | 162 | 22.28 | 68 |
| | 1200 | 575 | 215JM | JMPP-23 | 89.5 | 5.68 | 162 | 22.28 | |

*CHART CONTINUES ON NEXT PAGE*

### Footnotes:

* **68** = Rated and Nameplated 60/50 Hertz

# PREMIUM DESIGN B NEMA 12-12

## CLOSE COUPLED PUMP MOTORS JM STYLE | CAST IRON

## CONSTRUCTION RIGID BASE TEFC TOTALLY ENCLOSED FAN COOLED

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|
| 7.5 | 3600 | 208-230/460 | 184JM | JMQP-26S | 89.5 | 18.8-17.6/8.8 | 134 | 19.48 | 68 |
| | 3600 | 575 | 184JM | JMPP-26S | 89.5 | 7 | 134 | 19.48 | |
| | 3600 | 208-230/460 | 213JM | JMQP-26 | 89.5 | 18.8-17.6/8.5 | 145 | 20.78 | 68 |
| | 3600 | 575 | 213JM | JMPP-26 | 89.5 | 7 | 145 | 20.78 | |
| | 1800 | 208-230/460 | 213JM | JMQP-27 | 91.7 | 19.8-18.4/9.2 | 150 | 20.78 | 68 |
| | 1800 | 575 | 213JM | JMPP-27 | 91.7 | 7.4 | 150 | 20.78 | |
| | 1200 | 208-230/460 | 254JM | JMQP-28 | 91 | 21-19.6/9.5 | 272 | 24.7 | 68 |
| | 1200 | 575 | 254JM | JMPP-28 | 91 | 7.8 | 272 | 24.7 | |
| 10 | 3600 | 208-230/460 | 215JM | JMQP-31 | 90.2 | 23.9-22.8/11.4 | 167 | 22.28 | 68 |
| | 3600 | 575 | 215JM | JMPP-31 | 90.2 | 9.1 | 167 | 22.28 | |
| | 1800 | 208-230/460 | 215JM | JMQP-32 | 91.7 | 26-24/12 | 167 | 22.28 | 68 |
| | 1800 | 575 | 215JM | JMPP-32 | 91.7 | 9.6 | 167 | 22.28 | |
| | 1200 | 208-230/460 | 256JM | JMQP-33 | 91 | 27.2-25.6/12.8 | 293 | 26.5 | 68 |
| | 1200 | 575 | 256JM | JMPP-33 | 91 | 10.2 | 293 | 26.5 | |
| 15 | 3600 | 208-230/460 | 215JM | JMQP-36S | 91 | 36.2-34.4/17.2 | 162 | 22.28 | 68 |
| | 3600 | 575 | 215JM | JMPP-36S | 91 | 13.8 | 162 | 22.28 | |
| | 3600 | 208-230/460 | 254JM | JMQP-36 | 91 | 36.2-34.4/17.2 | 286 | 24.7 | 68 |
| | 3600 | 575 | 254JM | JMPP-36 | 91 | 13.8 | 286 | 24.7 | |
| | 1800 | 208-230/460 | 254JM | JMQP-37 | 92.4 | 37.2-36.4/18.2 | 297 | 24.7 | 68 |
| | 1800 | 575 | 254JM | JMPP-37 | 92.4 | 14.6 | 297 | 24.7 | |
| | 1200 | 208-230/460 | 284JM | JMQP-38 | 91.7 | 41-38/19 | 363 | 27.47 | 68 |
| | 1200 | 575 | 284JM | JMPP-38 | 91.7 | 15.2 | 363 | 27.47 | |
| 20 | 3600 | 208-230/460 | 256JM | JMQP-41 | 91 | 48.5-46/23 | 315 | 26.5 | 68 |
| | 3600 | 575 | 256JM | JMPP-41 | 91 | 18.4 | 315 | 26.5 | |
| | 1800 | 208-230/460 | 256JM | JMQP-42 | 93 | 51.8-48.4/24.2 | 315 | 26.5 | 68 |
| | 1800 | 575 | 256JM | JMPP-42 | 93 | 19.1 | 315 | 26.5 | |
| 25 | 3600 | 208-230/460 | 256JM | JMQP-46S | 91.7 | 60-55/27.5 | 365 | 26.5 | 68 |
| | 3600 | 575 | 256JM | JMPP-46S | 91.7 | 22 | 365 | 26.5 | |
| | 3600 | 208-230/460 | 284JM | JMQP-46 | 91.7 | 61-57/28.5 | 385 | 24.47 | 68 |
| | 3600 | 575 | 284JM | JMPP-46 | 91.7 | 22.8 | 385 | 24.47 | |
| | 1800 | 208-230/460 | 284JM | JMQP-47 | 93.6 | 65-60/30 | 392 | 24.47 | 68 |
| | 1800 | 575 | 284JM | JMPP-47 | 93.6 | 24 | 392 | 24.47 | |
| 30 | 3600 | 208-230/460 | 286JM | JMQP-51 | 91.7 | 74-69/34.5 | 409 | 24.47 | 68 |
| | 3600 | 575 | 286JM | JMPP-51 | 91.7 | 18.4 | 409 | 24.47 | |
| | 1800 | 208-230/460 | 286JM | JMQP-52 | 93.6 | 76-70.6/35.3 | 418 | 28.97 | 68 |
| | 1800 | 575 | 286JM | JMPP-52 | 93.6 | 28.2 | 418 | 28.97 | |
| 40 | 3600 | 208-230/460 | 286JM | JMQP-56S | 92.4 | 95-90/45 | 435 | 28.97 | 68 |
| | 3600 | 575 | 286JM | JMPP-56S | 92.4 | 36 | 435 | 28.97 | |
| | 3600 | 208-230/460 | 324JM | JMQP-56 | 92.4 | 94.9-91/45.5 | 486 | 30.05 | 68 |
| | 3600 | 575 | 324JM | JMPP-56 | 92.4 | 36.4 | 486 | 30.05 | |
| | 1800 | 208-230/460 | 324JM | JMQP-57 | 94.1 | 100-93.2/46.6 | 519 | 30.05 | 68 |
| | 1800 | 575 | 324JM | JMPP-57 | 94.1 | 37.3 | 519 | 30.05 | |
| 50 | 3600 | 208-230/460 | 326JM | JMQP-61 | 93 | 124-116.2/58.1 | 548 | 31.55 | 68 |
| | 3600 | 575 | 326JM | JMPP-61 | 93 | 46.4 | 548 | 31.55 | |

### Footnotes:

* **68** = Rated and Nameplated 60/50 Hertz

# PREMIUM DESIGN B NEMA 12-12

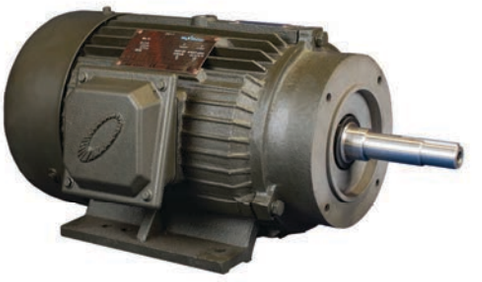
**CLOSE COUPLED PUMP MOTORS JP STYLE | CAST IRON**

**CONSTRUCTION RIGID BASE** TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- MG-1 Design B and MG-1 Part 31
- Meets or exceeds NEMA Premium Efficiencies
- Factory Certified Division 2, Class I Groups A, B, C, D, Class II Groups F&G
- Meets Temperature Code T2B
- IP55 enclosure
- Rated and Nameplated 60/50 Hertz 190/380-415 @ 1.0 SF
- Inverter Duty 10:1 Constant Torque, 20:1 Variable Torque 1.0 SF meets MG1 parts 31.4.4.2
- 1.25 Service Factor
- Class F Insulation
- F1 Standard Assembly, Reversible to F2 Assembly
- Provision to accept Drip Cover, See Accessories Page
- CSAus & CE Certified
- 36 Months Warranty



| HP | RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 1800 | 208-230/460 | 145JP | JPQP-12 | 86.5 | 6.6-6/3 | 56 | 20.30 | 68 |
| | 1800 | 575 | 145JP | JPPP-12 | 86.5 | 2.4 | 56 | 20.30 | |
| 3 | 1800 | 208-230/460 | 182JP | JPQP-17 | 89.5 | 8.2-7.6/3.8 | 97 | 21.55 | 68 |
| | 1800 | 575 | 182JP | JPPP-17 | 89.5 | 3 | 97 | 21.55 | 68 |
| 5 | 1800 | 208-230/460 | 184JP | JPQP-22 | 89.5 | 14-13.6/6.8 | 112 | 22.55 | 68 |
| | 1800 | 575 | 184JP | JPPP-22 | 89.5 | 5.4 | 112 | 22.55 | |
| 7.5 | 1800 | 208-230/460 | 213JP | JPQP-27 | 91.7 | 19.8-18.4/9.2 | 150 | 24.65 | 68 |
| | 1800 | 575 | 213JP | JPPP-27 | 91.7 | 7.4 | 150 | 24.65 | |
| 10 | 3600 | 208-230/460 | 215JP | JPQP-31 | 90.2 | 23.9-22.8/11.4 | 167 | 26.15 | 68 |
| | 3600 | 575 | 215JP | JPPP-31 | 90.2 | 9.1 | 167 | 26.15 | |
| | 1800 | 208-230/460 | 215JP | JPQP-32 | 91.7 | 26-24/12 | 167 | 26.15 | 68 |
| | 1800 | 575 | 215JP | JPPP-32 | 91.7 | 9.6 | 167 | 26.15 | |
| 15 | 3600 | 208-230/460 | 215JP | JPQP-36S | 91 | 36.2-34.4/17.2 | 162 | 26.15 | 68 |
| | 3600 | 575 | 215JP | JPPP-36S | 91 | 13.8 | 162 | 26.15 | |
| | 3600 | 208-230/460 | 254JP | JPQP-36 | 91 | 36.2-34.4/17.2 | 286 | 27.58 | 68 |
| | 3600 | 575 | 254JP | JPPP-36 | 91 | 13.8 | 286 | 27.58 | |

**Footnotes:**

* **68 =** Rated and Nameplated 60/50 Hertz

# PREMIUM DESIGN B NEMA 12-12

**304 GRADE STAINLESS STEEL** TENV TOTALLY ENCLOSED

NON-VENTILTED & TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- MG-1 Design B and MG-1 Part 31
- Meets or exceeds MEPS (Minimum Efficieny Performance Standards) as described by US Department of Energy in docket 10CFR431 and Natural Resources Canada's Amendment 14
- IP69K enclosure
- Rated and Nameplated 60/50 Hertz 190/380 @ 1.0 SF
- Inverter Duty 10:1 Constant Torque, 20:1 Variable Torque @ 1.0 SF meets MG1 parts 31.4.4.2
- Class F Insulation
- CSAus & CE Certified
- 1 8 lxd n t lWsarranty



| HP | RPM | VOLTS | FRAME | CAT NO. | ENCLOSURE | BASE | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.33 | 1800 | 208-230/460 | 56C | MQS-134L | TENV | Rigid | 73.4 | 1.22-1.1/.55 | 28 | 9.8 | 68 |
| | 1800 | 575 | 56C | MPS-134L | TENV | Rigid | 73.4 | 0.44 | 28 | 9.8 | |
| | 1800 | 208-230/460 | 56C | MQS-134R B | TENV | Ro u n d b d y | 73.4 | 1.22-1.1/.55 | 28 | 9.8 | 68 |
| | 1800 | 575 | 56C | MPS-134R B | TENV | Ro u n d b d y | 73.4 | 0.44 | 28 | 9.8 | |
| | 1800 | 208-230/460 | 56C | MQS-134LFC | TEFC | Rigid | 73.4 | 1.22-1.1/.55 | 28 | 11.59 | 68 |
| | 1800 | 575 | 56C | MPS-134LFC | TEFC | Rigid | 73.4 | 0.44 | 28 | 11.59 | |
| | 1800 | 208-230/460 | 56C | MQS-134R BFC | TEFC | Ro u n d b d y | 73.4 | 1.22-1.1/.55 | 28 | 11.59 | 68 |
| | 1800 | 575 | 56C | MPS-134R BFC | TEFC | Ro u n d b d y | 73.4 | 0.44 | 28 | 11.59 | |
| 0.50 | 3600 | 208-230/460 | 56C | MQS-122L | TENV | Rigid | 73.4 | 1.66-1.5/.75 | 29 | 9.8 | 68 |
| | 3600 | 575 | 56C | MPS-122L | TENV | Rigid | 73.4 | 0.6 | 29 | 9.8 | |
| | 3600 | 208-230/460 | 56C | MQS-122R B | TENV | Ro u n d b d y | 73.4 | 1.66-1.5/.75 | 29 | 9.8 | 68 |
| | 3600 | 575 | 56C | MPS-122R B | TENV | Ro u n d b d y | 73.4 | 0.6 | 29 | 9.8 | |
| | 1800 | 208-230/460 | 56C | MQS-124L | TENV | Rigid | 78.2 | 1.9-1.72/.86 | 31 | 9.8 | 68 |
| | 1800 | 575 | 56C | MPS-124L | TENV | Rigid | 78.2 | 0.688 | 31 | 9.8 | |
| | 1800 | 208-230/460 | 56C | MQS-124R B | TENV | Ro u n d b d y | 78.2 | 1.9-1.72/.86 | 31 | 9.8 | 68 |
| | 1800 | 575 | 56C | MPS-124R B | TENV | Ro u n d b d y | 78.2 | 0.688 | 31 | 9.8 | |
| | 1800 | 208-230/460 | 56C | MQS-124LFC | TEFC | Rigid | 78.2 | 1.9-1.72/.86 | 31 | 11.59 | 68 |
| | 1800 | 575 | 56C | MPS-124LFC | TEFC | Rigid | 78.2 | 0.688 | 31 | 11.59 | |
| | 1800 | 208-230/460 | 56C | MQS-124R BFC | TEFC | Ro u n d b d y | 78.2 | 1.9-1.72/.86 | 31 | 11.59 | 68 |
| | 1800 | 575 | 56C | MPS-124R BFC | TEFC | Ro u n d b d y | 78.2 | 0.688 | 31 | 11.59 | |
| | 1200 | 208-230/460 | 56C | MQS-126L | TENV | Rigid | 75.3 | 1.99-1.8/.9 | 31 | 9.8 | 68 |
| | 1200 | 575 | 56C | MPS-126L | TENV | Rigid | 75.3 | 75.3 | 31 | 9.8 | |
| | 1200 | 208-230/460 | 56C | MQS-126R B | TENV | Ro u n d b d y | 75.3 | 1.99-1.8/.9 | 31 | 9.8 | 68 |
| | 1200 | 575 | 56C | MPS-126R B | TENV | Ro u n d b d y | 75.3 | 75.3 | 31 | 9.8 | |
| 0.75 | 3600 | 208-230/460 | 56C | MQS-342L | TENV | Rigid | 76.8 | 2.65-2.4/1.2 | 33 | 10.78 | 68 |
| | 3600 | 575 | 56C | MPS-342L | TENV | Rigid | 76.8 | 0.96 | 33 | 10.78 | |
| | 3600 | 208-230/460 | 56C | MQS-342R B | TENV | Ro u n d b d y | 76.8 | 2.65-2.4/1.2 | 33 | 10.78 | 68 |
| | 3600 | 575 | 56C | MPS-342R B | TENV | Ro u n d b d y | 76.8 | 0.96 | 33 | 10.78 | |
| | 1800 | 208-230/460 | 56C | MQS-344L | TENV | Rigid | 81.1 | 2.65-2.4/1.2 | 33 | 10.78 | 68 |
| | 1800 | 575 | 56C | MPS-344L | TENV | Rigid | 81.1 | 0.96 | 33 | 10.78 | |
| | 1800 | 208-230/460 | 56C | MQS-344R B | TENV | Ro u n d b d y | 81.1 | 2.65-2.4/1.2 | 33 | 10.78 | 68 |
| | 1800 | 575 | 56C | MPS-344R B | TENV | Ro u n d b d y | 81.1 | 0.96 | 33 | 10.78 | |

### Footnotes:

* **68 =** Rated and Nameplated 60/50 Hertz

*CHART CONTINUES ON NEXT PAGE*

# PREMIUM DESIGN B NEMA 12-12

## 304 GRADE STAINLESS STEEL TENV TOTALLY ENCLOSED

## NON-VENTILTED & TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | RPM | VOLTS | FRAME | CAT NO. | ENCLOSURE | BASE | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.75 | 1800 | 208-230/460 | 56C | MQS-344LFC | TEFC | Rigid | 81.1 | 2.65/2.4/1.2 | 33 | 12.57 | 68 |
| | 1800 | 575 | 56C | MPS-344LFC | TEFC | Rigid | 81.1 | 0.96 | 33 | 12.57 | |
| | 1800 | 208-230/460 | 56C | MQS-344RBFC | TEFC | Round body | 81.1 | 2.65/2.4/1.2 | 33 | 12.57 | 68 |
| | 1800 | 575 | 56C | MPS-344RBFC | TEFC | Round body | 81.1 | 0.96 | 33 | 12.57 | |
| | 1200 | 208-230/460 | 56C | MQS-346L | TENV | Rigid | 81.7 | 2.88-2.6/1.3 | 34 | 10.78 | 68 |
| | 1200 | 575 | 56C | MPS-346L | TENV | Rigid | 81.7 | 1.04 | 34 | 10.78 | |
| | 1200 | 208-230/460 | 56C | MQS-346RB | TENV | Round body | 81.7 | 2.88-2.6/1.3 | 34 | 10.78 | 68 |
| | 1200 | 575 | 56C | MPS-346RB | TENV | Round body | 81.7 | 1.04 | 34 | 10.78 | |
| 1 | 3600 | 208-230/460 | 56C | MQSP-102L | TEFC | Rigid | 77 | 3.1-2.8/1.4 | 35 | 12.57 | 68 |
| | 3600 | 575 | 56C | MPSP-102L | TEFC | Rigid | 77 | 1.12 | 35 | 12.57 | |
| | 3600 | 208-230/460 | 56C | MQSP-102RB | TEFC | Round body | 77 | 3.1-2.8/1.4 | 35 | 12.57 | 68 |
| | 3600 | 575 | 56C | MPSP-102RB | TEFC | Round body | 77 | 1.12 | 35 | 12.57 | |
| | 3600 | 208-230/460 | 56C | MQSP-102LNV | TENV | Rigid | 77 | 3.1-2.8/1.4 | 35 | 10.78 | 68 |
| | 3600 | 575 | 56C | MPSP-102LNV | TENV | Rigid | 77 | 1.12 | 35 | 10.78 | |
| | 3600 | 208-230/460 | 56C | MQSP-102RBNV | TENV | Round body | 77 | 3.1-2.8/1.4 | 35 | 10.78 | 68 |
| | 3600 | 575 | 56C | MPSP-102RBNV | TENV | Round body | 77 | 1.12 | 35 | 10.78 | |
| | 1800 | 208-230/460 | 56C | MQSP-104L | TEFC | Rigid | 86.7 | 3.36-3.01/1.52 | 36 | 12.57 | 68 |
| | 1800 | 575 | 56C | MPSP-104L | TEFC | Rigid | 86.7 | 1.216 | 36 | 12.57 | |
| | 1800 | 208-230/460 | 56C | MQSP-104RB | TEFC | Round body | 86.7 | 3.36-3.01/1.52 | 36 | 12.57 | 68 |
| | 1800 | 575 | 56C | MPSP-104RB | TEFC | Round body | 86.7 | 1.216 | 36 | 12.57 | |
| | 1800 | 208-230/460 | 56C | MQSP-104LNV | TENV | Rigid | 86.7 | 3.36-3.01/1.52 | 36 | 10.78 | 68 |
| | 1800 | 575 | 56C | MPSP-104LNV | TENV | Rigid | 86.7 | 1.216 | 36 | 10.78 | |
| | 1800 | 208-230/460 | 143TC | MQSP-104RBNV | TENV | Round body | 86.7 | 3.36-3.01/1.52 | 36 | 10.78 | 68 |
| | 1800 | 575 | 143TC | MPSP-104RBNV | TENV | Round body | 86.7 | 1.216 | 36 | 10.78 | |
| | 1800 | 208-230/460 | 56C | MQSP-104TL | TEFC | Rigid | 86.7 | 3.36-3.01/1.52 | 36 | 12.63 | 68 |
| | 1800 | 575 | 56C | MPSP-104TL | TEFC | Rigid | 86.7 | 1.216 | 36 | 12.63 | |
| | 1800 | 208-230/460 | 143TC | MQSP-104TLNV | TENV | Rigid | 86.7 | 3.36-3.01/1.52 | 36 | 10.84 | 68 |
| | 1800 | 575 | 143TC | MPSP-104TLNV | TENV | Rigid | 86.7 | 1.216 | 36 | 10.84 | |
| | 1200 | 208-230/460 | 56C | MQSP-106L | TEFC | Rigid | 82.5 | 3.87-3.5/1.75 | 36 | 12.57 | 68 |
| | 1200 | 575 | 56C | MPSP-106L | TEFC | Rigid | 82.5 | 1.4 | 36 | 12.57 | |
| | 1200 | 208-230/460 | 56C | MQSP-106RB | TEFC | Round body | 82.5 | 3.87-3.5/1.75 | 36 | 12.57 | 68 |
| | 1200 | 575 | 56C | MPSP-106RB | TEFC | Round body | 82.5 | 1.4 | 36 | 12.57 | |
| | 1200 | 208-230/460 | 143TC | MQSP-106TL | TEFC | Rigid | 82.5 | 3.87-3.5/1.75 | 42 | 13.81 | 68 |
| | 1200 | 575 | 143TC | MPSP-106TL | TEFC | Rigid | 82.5 | 1.4 | 42 | 13.81 | |
| 1.5 | 3600 | 208-230/460 | 56C | MQSP-152L | TEFC | Rigid | 84 | 4.64-4.2/2.1 | 28 | 12.57 | 68 |
| | 3600 | 575 | 56C | MPSP-152L | TEFC | Rigid | 84 | 1.68 | 28 | 12.57 | |
| | 3600 | 208-230/460 | 56C | MQSP-152RB | TEFC | Round body | 84 | 4.64-4.2/2.1 | 28 | 12.57 | 68 |
| | 3600 | 575 | 56C | MPSP-152RB | TEFC | Round body | 84 | 1.68 | 28 | 12.57 | |
| | 3600 | 208-230/460 | 56C | MQSP-152LNV | TENV | Rigid | 84 | 4.64-4.2/2.1 | 28 | 11.96 | 68 |
| | 3600 | 575 | 56C | MPSP-152LNV | TENV | Rigid | 84 | 1.68 | 28 | 11.96 | |
| | 3600 | 208-230/460 | 56C | MQSP-152RBNV | TENV | Round body | 84 | 4.64-4.2/2.1 | 28 | 11.96 | 68 |
| | 3600 | 575 | 56C | MPSP-152RBNV | TENV | Round body | 84 | 1.68 | 28 | 11.96 | |
| | 3600 | 208-230/460 | 143TC | MQSP-152TL | TEFC | Rigid | 84 | 4.42-2.21/1.92 | 39 | 12.63 | 68 |
| | 3600 | 575 | 143TC | MPSP-152TL | TEFC | Rigid | 84 | 1.6 | 39 | 12.63 | |
| | 3600 | 208-230/460 | 143TC | MQSP-152TLNV | TENV | Rigid | 84 | 4.42-2.21/1.92 | 39 | 12.02 | 68 |
| | 3600 | 575 | 143TC | MPSP-152TLNV | TENV | Rigid | 84 | 1.6 | 39 | 12.02 | |

**Footnotes:**

* **68** = Rated and Nameplated 60/50 Hertz

*CHART CONTINUES ON NEXT PAGE*

# PREMIUM DESIGN B NEMA 12-12

## 304 GRADE STAINLESS STEEL TENV TOTALLY ENCLOSED

## NON-VENTILTED & TEFC TOTALLY ENCLOSED FAN COOLED

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | RPM | VOLTS | FRAME | CAT NO. | ENCLOSURE | BASE | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.5 | 1800 | 208-230/460 | 56C | MQSP-154L | TEFC | Rigid | 86.5 | 4.87-4.4/2.2 | 36 | 12.57 | 68 |
| | 1800 | 575 | 56C | MPSP-154L | TEFC | Rigid | 86.5 | 1.76 | 36 | 12.57 | |
| | 1800 | 208-230/460 | 56C | MQSP-154RB | TEFC | Round body | 86.5 | 4.87-4.4/2.2 | 36 | 12.57 | 68 |
| | 1800 | 575 | 56C | MPSP-154RB | TEFC | Round body | 86.5 | 1.76 | 36 | 12.57 | |
| | 1800 | 208-230/460 | 56C | MQSP-154LNV | TENV | Rigid | 86.5 | 4.87-4.4/2.2 | 36 | 11.96 | 68 |
| | 1800 | 575 | 56C | MPSP-154LNV | TENV | Rigid | 86.5 | 1.76 | 36 | 11.96 | |
| | 1800 | 208-230/460 | 56C | MQSP-154RBNV | TENV | Round body | 86.5 | 4.87-4.4/2.2 | 36 | 11.96 | 68 |
| | 1800 | 575 | 56C | MPSP-154RBNV | TENV | Round body | 86.5 | 1.76 | 36 | 11.96 | |
| | 1800 | 208-230/460 | 145TC | MQSP-154TL | TEFC | Rigid | 86.5 | 4.87-4.4/2.2 | 42 | 13.81 | 68 |
| | 1800 | 575 | 145TC | MPSP-154TL | TEFC | Rigid | 86.5 | 1.76 | 42 | 13.81 | |
| | 1800 | 208-230/460 | 145TC | MQSP-154TLNV | TENV | Rigid | 86.5 | 4.87-4.4/2.2 | 42 | 12.0 2 | 68 |
| | 1800 | 575 | 145TC | MPSP-154TLNV | TENV | Rigid | 86.5 | 1.76 | 42 | 12.0 2 | |
| | 1200 | 208-230/460 | 56C | MQSP-156L | TEFC | Rigid | 87.5 | 5.42-4.9/2.45 | 36 | 13 75 | 68 |
| | 1200 | 575 | 56C | MPSP-156L | TEFC | Rigid | 87.5 | 1.96 | 36 | 13 75 | |
| | 1200 | 208-230/460 | 56C | MQSP-156RB | TEFC | Round body | 87.5 | 5.42-4.9/2.45 | 36 | 13 75 | 68 |
| | 1200 | 575 | 56C | MPSP-156RB | TEFC | Round body | 87.5 | 1.96 | 36 | 13 75 | |
| | 1200 | 208-230/460 | 182TC | MQSP-156TL | TEFC | Rigid | 87.5 | 5.42-4.9/2.45 | 79 | 17 | 68 |
| | 1200 | 575 | 182TC | MPSP-156TL | TEFC | Rigid | 87.5 | 1.96 | 79 | 17 | |
| 2 | 3600 | 208-230/460 | 145TC | MQSP-202TL | TEFC | Rigid | 85.5 | 5.31-4.8-2.4 | 46 | 13.81 | 68 |
| | 3600 | 575 | 145TC | MPSP-202TL | TEFC | Rigid | 85.5 | 1.92 | 46 | 13.81 | |
| | 3600 | 208-230/460 | 145TC | MQSP-202TLNV | TENV | Rigid | 85.5 | 5.31-4.8-2.4 | 46 | 13.81 | 68 |
| | 3600 | 575 | 145TC | MPSP-202TLNV | TENV | Rigid | 85.5 | 1.92 | 46 | 13.81 | |
| | 1800 | 208-230/460 | 56C | MQSP-204L | TEFC | Rigid | 86.5 | 6.41-5.8/2.7 | 36 | 13.75 | 68 |
| | 1800 | 575 | 56C | MPSP-204L | TEFC | Rigid | 86.5 | 2.16 | 36 | 13.75 | |
| | 1800 | 208-230/460 | 56C | MQSP-204RB | TEFC | Round body | 86.5 | 6.41-5.8/2.7 | 36 | 13.75 | 68 |
| | 1800 | 575 | 56C | MPSP-204RB | TEFC | Round body | 86.5 | 2.16 | 36 | 13.75 | |
| | 1800 | 208-230/460 | 56C | MQSP-204LNV | TENV | Rigid | 86.5 | 6.41-5.8/2.7 | 36 | 13.75 | 68 |
| | 1800 | 575 | 56C | MPSP-204LNV | TENV | Rigid | 86.5 | 2.16 | 36 | 13.75 | |
| | 1800 | 208-230/460 | 56C | MQSP-204RBNV | TENV | Round body | 86.5 | 6.41-5.8/2.7 | 36 | 13.75 | 68 |
| | 1800 | 575 | 56C | MPSP-204RBNV | TENV | Round body | 86.5 | 2.16 | 36 | 13.75 | |
| | 1800 | 208-230/460 | 145TC | MQSP-204TL | TEFC | Rigid | 86.5 | 5.97-5.4/2.7 | 49 | 13.81 | 68 |
| | 1800 | 575 | 145TC | MPSP-204TL | TEFC | Rigid | 86.5 | 2.16 | 49 | 13.81 | |
| | 1800 | 208-230/460 | 145TC | MQSP-204TLNV | TENV | Rigid | 86.5 | 5.97-5.4/2.7 | 49 | 13.81 | 68 |
| | 1800 | 575 | 145TC | MPSP-204TLNV | TENV | Rigid | 86.5 | 2.16 | 49 | 13.81 | |
| | 1800 | 575 | 145TC | MPSP-204TRB | TEFC | Round body | 86.5 | 2.16 | 49 | 13.81 | 68 |
| | 1200 | 208-230/460 | 184TC | MQSP-206TL | TEFC | Rigid | 88.5 | 6.86-6.2/3.1 | 95 | 17 | 68 |
| | 1200 | 575 | 184TC | MPSP-206TL | TEFC | Rigid | 88.5 | 2.48 | 95 | 17 | |
| 3 | 3600 | 208-230/460 | 145TC | MQSP-302TSL | TEFC | Rigid | 86.5 | 8.96-8.1/4.05 | 81 | 15.5 8 | 68 |
| | 3600 | 575 | 145TC | MPSP-302TSL | TEFC | Rigid | 86.5 | 3.24 | 81 | 15.5 8 | |
| | 3600 | 208-230/460 | 182TC | MQSP-302TL | TEFC | Rigid | 86.5 | 8.96-8.1/4.05 | 81 | 1 D 0 | 68 |
| | 3600 | 575 | 184TC | MPSP-302TL | TEFC | Rigid | 86.5 | 3.24 | 81 | 1 D 0 | |
| | 3600 | 208-230/460 | 182TC | MQSP-302TLNV | TENV | Rigid | 86.5 | 8.96-8.1/4.05 | 81 | 1 470 | 68 |
| | 3600 | 575 | 184TC | MPSP-302TLNV | TENV | Rigid | 86.5 | 3.24 | 81 | 1 470 | |

### Footnotes:

* **68** = Rated and Nameplated 60/50 Hertz

*CHART CONTINUES ON NEXT PAGE*

# PREMIUM DESIGN B NEMA 12-12

## 304 GRADE STAINLESS STEEL TENV TOTALLY ENCLOSED

## NON-VENTILTED & TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | RPM | VOLTS | FRAME | CAT NO. | ENCLOSURE | BASE | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 1800 | 208-230/460 | 56C | MQSP-304TL-56C | TEFC | Rigid | 89.5 | 8.85-8/4 | 63 | 15.52 | 68 |
| | 1800 | 575 | 56C | MPSP-304TL-56C | TEFC | Rigid | 89.5 | 3.2 | 63 | 15.52 | |
| | 1800 | 208-230/460 | 56C | MQSP-304TRB-56C | TEFC | Rigid | 89.5 | 8.85-8/4 | 63 | 15.52 | 68 |
| | 1800 | 575 | 56C | MPSP-304TRB-56C | TEFC | Rigid | 89.5 | 3.2 | 63 | 15.52 | |
| | 1800 | 208-230/460 | 145TC | MQSP-304TSL | TEFC | Rigid | 89.5 | 8.85-8/4 | 78 | 15.58 | 68 |
| | 1800 | 575 | 145TC | MPSP-304TSL | TEFC | Rigid | 89.5 | 3.2 | 78 | 15.58 | |
| | 1800 | 575 | 145TC | MPSP-304TSL-F0 | TEFC | Rigid | 89.5 | 3.2 | 78 | 15.58 | F0 |
| | 1800 | 208-230/460 | 182TC | MQSP-304TL | TEFC | Rigid | 89.5 | 8.85-8/4 | 89 | 17 | 68 |
| | 1800 | 575 | 182TC | MPSP-304TL | TEFC | Rigid | 89.5 | 3.2 | 89 | 17 | |
| | 1800 | 208-230/460 | 182TC | MQSP-304TLNV | TENV | Rigid | 89.5 | 8.85-8/4 | 89 | 14.70 | 68 |
| | 1800 | 575 | 182TC | MPSP-304TLNV | TENV | Rigid | 89.5 | 3.2 | 89 | 14.70 | |
| | 1200 | 208-230/460 | 213TC | MQSP-306TL | TEFC | Rigid | 89.5 | 9.51-8.6/4.3 | 110 | 20.7 | 68 |
| | 1200 | 575 | 213TC | MPSP-306TL | TEFC | Rigid | 89.5 | 3.44 | 110 | 20.7 | |
| 5 | 3600 | 208-230/460 | 184TC | MQSP-502TL | TEFC | Rigid | 88.5 | 13.49-12.2/6.1 | 95 | 17 | 68 |
| | 3600 | 575 | 184TC | MPSP-502TL | TEFC | Rigid | 88.5 | 4.88 | 95 | 17 | |
| | 1800 | 208-230/460 | 184TC | MQSP-504TL | TEFC | Rigid | 89.5 | 13.82-12.5/6.25 | 104 | 17 | 68 |
| | 1800 | 575 | 184TC | MPSP-504TL | TEFC | Rigid | 89.5 | 5 | 104 | 17 | |
| | 1200 | 208-230/460 | 215TC | MQSP-506TL | TEFC | Rigid | 89.5 | 15.04-13.6/6.8 | 171 | 21.5 | 68 |
| | 1200 | 575 | 215TC | MPSP-506TL | TEFC | Rigid | 89.5 | 5.44 | 171 | 21.5 | |
| 7.5 | 3600 | 208-230/460 | 213TC | MQSP-702TL | TEFC | Rigid | 89.5 | 20.79-18.8/9.4 | 110 | 20.7 | 68 |
| | 3600 | 575 | 213TC | MPSP-702TL | TEFC | Rigid | 89.5 | 7.52 | 110 | 20.7 | |
| | 1800 | 208-230/460 | 213TC | MQSP-704TL | TEFC | Rigid | 91.7 | 20.57-18.6/9.3 | 163 | 20.7 | 68 |
| | 1800 | 575 | 213TC | MPSP-704TL | TEFC | Rigid | 91.7 | 7.44 | 163 | 20.7 | |
| 10 | 3600 | 208-230/460 | 215TC | MQSP-1002TL | TEFC | Rigid | 90.2 | 26.98-24.4/12.2 | 175 | 22.3 | 68 |
| | 3600 | 575 | 215TC | MPSP-1002TL | TEFC | Rigid | 90.2 | 9.76 | 175 | 22.3 | |
| | 1800 | 208-230/460 | 215TC | MQSP-1004TL | TEFC | Rigid | 91.7 | 26.98-24.4/12.2 | 200 | 21.5 | 68 |
| | 1800 | 575 | 215TC | MPSP-1004TL | TEFC | Rigid | 91.7 | 9.79 | 200 | 21.5 | |
| 15 | 3600 | 208-230/460 | 254TC | MQSP-1502TL | TEFC | Rigid | 91 | 40-37/18.5 | 363 | 23.2 | 68 |
| | 3600 | 575 | 254TC | MPSP-1502TL | TEFC | Rigid | 91 | 14.8 | 363 | 23.2 | |
| | 1800 | 208-230/460 | 254TC | MQSP-1504TL | TEFC | Rigid | 92.4 | 39.81-36/18 | 286 | 23.2 | 68 |
| | 1800 | 575 | 254TC | MPSP-1504TL | TEFC | Rigid | 92.4 | 14.4 | 286 | 23.2 | |
| 20 | 3600 | 208-230/460 | 256TC | MQSP-2002TL | TEFC | Rigid | 91 | 50-46/23 | 422 | 24.8 | 68 |
| | 3600 | 575 | 256TC | MPSP-2002TL | TEFC | Rigid | 91 | 18.4 | 422 | 24.8 | |
| | 1800 | 208-230/460 | 256TC | MQSP-2004TL | TEFC | Rigid | 93 | 54.18-49/24.4 | 352 | 24.8 | 68 |
| | 1800 | 575 | 256TC | MPSP-2004TL | TEFC | Rigid | 93 | 19.6 | 352 | 24.8 | |

**Footnotes:**

* **68** = Rated and Nameplated 60/50 Hertz
* **F0** = Terminal box is located in F0 position, on top

# PREMIUM DESIGN B NEMA 12-12

CLOSE COUPLED PUMP MOTORS JM STYLE | STAINLESS STEEL

CONSTRUCTION L BASE TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- MG-1 Design B and MG-1 Part 31
- Meets or exceeds MEPS (Minimum Efficieny Performance Standards) as described by US Department of Energy in docket 10CFR431 and Natural Resources Canada's Amendment 14
- IP69K enclosure
- Rated and Nameplated 60/50 Hertz 190/380 @ 1.0 SF
- Inverter Duty 10:1 Constant Torque, 20:1 Variable Torque @ 1.0 SF meets MG1 parts 31.4.4.2
- Class F Insulation
- CSAus & CE Certified
- 18 Months Warranty



| HP | FL RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" Dimension (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1740 | 575 | 143JM | JMPPS-2 | 85.5% | 1.36 | 36 | 14.88 | |
| | 1740 | 208-230/460 | 143JM | JMQPS-2 | 85.5% | 3.76-3.4/1.7 | 36 | 14.88 | 68 |
| 1.5 | 1740 | 575 | 145JM | JMPPS-7 | 86.5% | 1.76 | 42 | 16.06 | |
| | 1740 | 208-230/460 | 145JM | JMQPS-7 | 86.5% | 4.87-4.4/2.2 | 42 | 16.06 | 68 |
| 2 | 3480 | 575 | 145JM | JMPPS-11 | 85.5% | 1.92 | 46 | 16.06 | |
| | 3480 | 208-230/460 | 145JM | JMQPS-11 | 85.5% | 5.31-4.8/2.4 | 46 | 16.06 | 68 |
| | 1740 | 575 | 145JM | JMPPS-12 | 86.5% | 2.16 | 49 | 16.06 | |
| | 1740 | 208-230/460 | 145JM | JMQPS-12 | 86.5% | 5.97-5.4/2.7 | 49 | 16.06 | 68 |
| 3 | 3535 | 575 | 182JM | JMPPS-16 | 86.5% | 3.24 | 81 | 18.58 | |
| | 3535 | 208-230/460 | 182JM | JMQPS-16 | 86.5% | 8.96-8.1/4.05 | 81 | 18.58 | 68 |
| | 3535 | 575 | 145JM | JMPPS-16S | 86.5% | 3.24 | 53 | 17.83 | |
| | 3535 | 208-230/460 | 145JM | JMQPS-16S | 86.5% | 8.96-8.1/4.05 | 53 | 17.83 | 68 |
| | 1765 | 575 | 182JM | JMPPS-17 | 89.5% | 3.2 | 89 | 18.58 | |
| | 1765 | 208-230/460 | 182JM | JMQPS-17 | 89.5% | 8.85-8.00/4.00 | 89 | 18.58 | 68 |
| 5 | 3525 | 575 | 184JM | JMPPS-21 | 88.5% | 4.88 | 95 | 18.58 | |
| | 3525 | 208-230/460 | 184JM | JMQPS-21 | 88.5% | 13.49-12.2/6.1 | 95 | 18.58 | 68 |
| | 1765 | 575 | 184JM | JMPPS-22 | 89.5% | 5 | 104 | 18.58 | |
| | 1765 | 208-230/460 | 184JM | JMQPS-22 | 89.5% | 13.82-12.5/6.25 | 104 | 18.58 | 68 |
| 7.5 | 3520 | 575 | 213JM | JMPPS-26 | 89.5% | 7.52 | 110 | 21.82 | |
| | 3520 | 208-230/460 | 213JM | JMQPS-26 | 89.5% | 20.79-18.8/9.4 | 110 | 21.82 | 68 |
| | 1755 | 575 | 213JM | JMPPS-27 | 91.7% | 7.44 | 163 | 21.82 | |
| | 1755 | 208-230/460 | 213JM | JMQPS-27 | 91.7% | 20.57-18.6/9.3 | 163 | 21.82 | 68 |
| 10 | 3525 | 575 | 215JM | JMPPS-31 | 90.2% | 9.76 | 175 | 21.82 | |
| | 3525 | 208-230/460 | 215JM | JMQPS-31 | 90.2% | 26.98-24.4/12.2 | 175 | 21.82 | 68 |
| | 1760 | 575 | 215JM | JMPPS-32 | 91.7% | 9.76 | 200 | 22.62 | |
| | 1760 | 208-230/460 | 215JM | JMQPS-32 | 91.7% | 26.98-24.4/12.2 | 200 | 22.62 | 68 |

**Footnotes:**

* **68 =** Rated and Nameplated 60/50 Hertz

# GENERAL PURPOSE PREMIUM ROLLED STEEL

## HEAVY GAUGE ROLLED STEEL CONSTRUCTION

TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- MG-1 Design B and MG-1 Part 31
- Meets or exceeds MEPS (Minimum Efficieny Performance Standards) as described by US Department of Energy in docket 10CFR431 and Natural Resources Canada's Amendment 14
- IP55 enclosure
- Rated and Nameplated 60/50 Hertz 190/380 at next lowest HP @ 1.15 SF
- Inverter Duty 10:1 Constant Torque, 20:1 Variable Torque @ 1.0 SF meets MG1 parts 31.4.4.2
- 1.15 Service Factor
- Class F Insulation
- F1 Standard Assembly
- Suitable for Horizontal and Vertical Operation
- Auger Adaptor Plate 56C to 56N Available
- CSAus & CE Certified
- 12 Months Warranty



| HP | RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|
| 0.33 | 3600 | 208-230/460 | 56C | MQR-132CH | 64 | 1.32-1.38/.69 | 21 | 10.7 | 68, 40 |
| | 3600 | 575 | 56C | MPR-132CH | 64 | 0.62 | 21 | 12 | 40 |
| | 1800 | 208-230/460 | 56C | MQR-134CH | 64.5 | 1.52-1.61/.8 | 22 | 12 | 68, 40 |
| | 1800 | 575 | 56C | MPR-134CH | 64.5 | 0.71 | 22 | 12 | 40 |
| 0.50 | 3600 | 208-230/460 | 56C | MQR-122CH | 70 | 1.86-1.82/.91 | 21 | 12 | 68, 40 |
| | 3600 | 575 | 56C | MPR-122CH | 70 | 0.8 | 21 | 12 | 40 |
| | 1800 | 208-230/460 | 56C | MQR-124CH | 70 | 1.9-1.96/.98 | 24 | 12 | 68, 40 |
| | 1800 | 575 | 56C | MPR-124CH | 70 | 1.05 | 24 | 12 | 40 |
| 0.75 | 3600 | 208-230/460 | 56C | MQR-342CH | 75 | 2.45-2.38/1.19 | 22.5 | 12 | 68, 40 |
| | 3600 | 575 | 56C | MPR-342CH | 75 | 1.1 | 22.5 | 10.7 | 40 |
| | 1800 | 208-230/460 | 56C | MQR-344CH | 72 | 2.61-2.52/1.26 | 25.3 | 10.7 | 68, 40 |
| | 1800 | 575 | 56C | MPR-344CH | 72 | 1.1 | 25.3 | 10.7 | 40 |
| 1 | 3600 | 208-230/460 | 56C | MQRP-102CH | 83 | 2.9-2.7/1.35 | 25 | 10.7 | 68, 40 |
| | 3600 | 575 | 56C | MPRP-102CH | 83 | 1.45 | 25 | 10.7 | 40 |
| | 1800 | 208-230/460 | 56C | MQRP-104CH | 85.5 | 3.3-3.0/1.5 | 27 | 10.7 | 68, 40 |
| | 1800 | 575 | 56C | MPRP-104CH | 85.5 | 1.2 | 27 | 10.7 | 40 |
| 1.5 | 3600 | 208-230/460 | 56C | MQRP-152CH | 84.5 | 4.2-3.8/1.9 | 36 | 10.7 | 68, 40 |
| | 3600 | 575 | 56C | MPRP-152CH | 84.5 | 1.6 | 28 | 10.7 | 40 |
| | 1800 | 208-230/460 | 56C | MQRP-154CH | 86.5 | 4.8-4.4/2.2 | 31 | 12.5 | 68, 40 |
| | 1800 | 575 | 56C | MPRP-154CH | 86.5 | 1.8 | 31 | 12.5 | 40 |
| 2 | 3600 | 208-230/460 | 56C | MQRP-202CH | 86.7 | 5.4-5/2.5 | 32 | 12.5 | 68, 40 |
| | 3600 | 575 | 56C | MPRP-202CH | 86.7 | 2.1 | 32 | 12.5 | 40 |
| | 1800 | 208-230/460 | 56HC | MQRP-204CH | 86.5 | 5.9-5.7/2.85 | 37 | 13.7 | 68, 40 |
| | 1800 | 575 | 56HC | MPRP-204CH | 86.5 | 2.4 | 37 | 13.7 | 40 |
| 3 | 3600 | 208-230/460 | 56HC | MQRP-302CH | 87.5 | 8.2-7.6/3.8 | 40 | 13.7 | 68, 40 |
| | 3600 | 575 | 56HC | MPRP-302CH | 87.5 | 3.1 | 40 | 13.7 | 40 |

### Footnotes:

* **68** = Rated and Nameplated 60/50 Hertz
* 40 = Suitable with Auger Adaptor Plate 56C to 56N

# SINGLE PHASE GENERAL PURPOSE AC MOTORS

## HEAVY GAUGE ROLLED STEEL CONSTRUCTION

TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- Ball bearings Mechanically locked on Shaft End
- Capacitor Start/Capacitor Run Design
- Totally Enclosed and Fully Gasketed for Dirty Enviroments
- Suitable for Horizontal and Vertical Operation
- 1.15 Service Factor
- Class F Insulation
- F1 Standard Assembly
- Auger Adaptor Plate 56C to 56N Available
- CSA Certified, CE Mark
- 12 Months Warranty



| HP | RPM | VOLTS | FRAME | CAT NO. | OVERLOAD | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | C-FACE KITS | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.33 | 3600 | 115/208-230 | 56C | MTR-132FDCH | MANUAL | 60,7 | 3.83/2.12-1.92 | 22 | 10.7 | INCLUDED | 40 |
| | 1800 | 115/208-230 | 56C | MTR-134FDCH | MANUAL | 65 | 3.92/2.17-1.96 | 26 | 10.7 | INCLUDED | 40 |
| 0.50 | 3600 | 115/208-230 | 56C | MTR-122FDCH | MANUAL | 70,8 | 5.03/2.78-2.52 | 25 | 10.7 | INCLUDED | 40 |
| | 1800 | 115/208-230 | 56C | MTR-124FDCH | MANUAL | 74,6 | 5.7/3.15-2.85 | 27 | 10.7 | INCLUDED | 40 |
| 0.75 | 3600 | 115/208-230 | 56C | MTR-342FDCH | MANUAL | 75,1 | 6.82/3.77-3.41 | 26 | 10.7 | INCLUDED | 40 |
| | 1800 | 115/208-230 | 56C | MTR-344FDCH | MANUAL | 77 | 7.33/4.05-3.66 | 31 | 11.5 | INCLUDED | 40 |
| 1 | 3600 | 115/208-230 | 56C | MTR-102FDCH | MANUAL | 76,1 | 8.26/4.76-4.31 | 30 | 11.5 | INCLUDED | 40 |
| | 1800 | 115/208-230 | 56HC | MTR-104FDCH | MANUAL | 79,8 | 9.09/5.02-4.54 | 38 | 11.5 | INCLUDED | 40 |
| 1.5 | 3600 | 115/208-230 | 56HC | MTR-152FDCH | MANUAL | 81,3 | 12.47/6.89-6.23 | 36 | 11.5 | INCLUDED | 40 |
| | 1800 | 115/208-230 | 56HC | MTR-154FDCH | MANUAL | 81,7 | 12.41/6.86-6.2 | 44 | 12.5 | INCLUDED | 40 |
| 2 | 3600 | 115/208-230 | 56HC | MTR-202FDCH | MANUAL | 82,3 | 15.92/8.8-7.96 | 40 | 12.5 | INCLUDED | 40 |
| | 1800 | 115/208-230 | 56HC | MTR-204FDCH | MANUAL | 83,6 | 16.17/8.94-8.08 | 50 | 13.7 | INCLUDED | 40 |
| | 1800 | 115/208-230 | 145TC | MTR-204FDTCH | MANUAL | 83,6 | 16.17/8.94-8.08 | 51 | 13.8 | INCLUDED | |
| 3 | 1800 | 208-230 | 184TC | MTR-304FDCH | NONE | 87,4 | 12.5-11.3 | 96 | 16.5 | INCLUDED | |
| 5 | 1800 | 208-230 | 184TC | MTR-504FDCH | NONE | 85,9 | 22.9-19.2 | 108,8 | 16.9 | INCLUDED | |
| 7.5 | 1800 | 208-230 | 215T | MTR-754FDH | NONE | 88 | 33-28.10 | 154 | 19 | H 210TC-1 | 41 |
| 10 | 1800 | 208-230 | 215T | MTR-1004FDH | NONE | 88 | 45.1-38.20 | 172 | 19 | H 210TC-1 | 41 |

### Footnotes:

* 40 = Suitable with Auger Adaptor Plate 56C to 56N
* 41 = C Flange H 210TC-1 available, but not included

# CENTRIFUGAL THREE PHASE 56J AC MOTORS

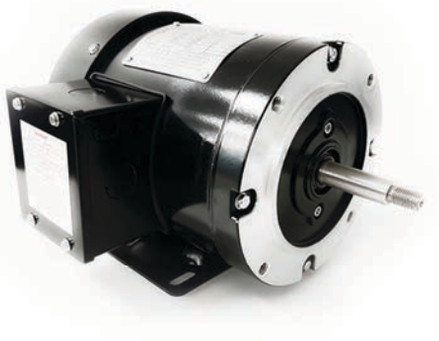
## HEAVY GAUGE ROLLED STEEL CONSTRUCTION

TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- MG-1 Design B and MG-1 Part 31
- Meets or exceeds MEPS
- IP55 enclosure
- Rated and Nameplated 60/50 Hertz 190/380 at next lowest HP @ 1.15 SF
- Inverter Duty 10:1 Constant Torque, 20:1 Variable Torque @ 1.0 SF meets MG1 parts 31.4.4.2
- 1.15 Service Factor
- Class F Insulation
- F1 Standard Assembly
- Suitable for Horizontal and Vertical Operation
- CSAus & CE Certified
- 12 Months Warranty



| HP | FL RPM | VOLTS | FRAME | CAT NO. | CONSTRUCTION | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" Dimension (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.33 | 3481 | 208-230/460 | 56J | MQR-132JH | Rolled Steel | 67.6 | 1.28-1.31/0.66 | 21 | 11.1 | 68 |
| | 3470 | 575 | 56J | MPR-132JH | Rolled Steel | 62.8 | 0.57 | 21 | 11.1 | |
| | 1744 | 208-230/460 | 56J | MQR-134JH | Rolled Steel | 66.1 | 1.53-1.63/0.82 | 22 | 11.1 | 68 |
| | 1750 | 575 | 56J | MPR-134JH | Rolled Steel | 69.2 | 0.58 | 22 | 11.1 | |
| 0.5 | 3466 | 208-230/460 | 56J | MQR-122JH | Rolled Steel | 71.6 | 1.74-1.67/0.84 | 21 | 11.1 | 68 |
| | 3471 | 575 | 56J | MPR-122JH | Rolled Steel | 69.3 | 0.672 | 21 | 11.1 | |
| | 1741 | 208-230/460 | 56J | MQR-124JH | Rolled Steel | 74.1 | 1.9-1.95/0.98 | 24 | 11.1 | 68 |
| | 1753 | 575 | 56J | MPR-124JH | Rolled Steel | 77.1 | 0.71 | 24 | 11.1 | |
| 0.75 | 3469 | 208-230/460 | 56J | MQR-342JH | Rolled Steel | 80.3 | 2.24-2.08/1.04 | 22.5 | 11.1 | 68 |
| | 3474 | 575 | 56J | MPR-342JH | Rolled Steel | 76.2 | 0.86 | 22.5 | 11.1 | |
| | 1738 | 208-230/460 | 56J | MQR-344JH | Rolled Steel | 80.7 | 2.43-2.34/1.18 | 25.3 | 11.1 | 68 |
| | 1744 | 575 | 56J | MPR-344JH | Rolled Steel | 80.5 | 0.91 | 25.3 | 11.1 | |
| 1 | 3506 | 208-230/460 | 56J | MQRP-102JH | Rolled Steel | 82.7 | 2.92-2.75/1.38 | 25 | 11.1 | 68 |
| | 3510 | 575 | 56J | MPRP-102JH | Rolled Steel | 80.7 | 1.14 | 25 | 11.1 | |
| | 1752 | 208-230/460 | 56J | MQRP-104JH | Rolled Steel | 86.5 | 3.01-2.82/1.41 | 27 | 11.1 | 68 |
| | 1756 | 575 | 56J | MPRP-104JH | Rolled Steel | 85.6 | 1.14 | 27 | 11.1 | |
| 1.5 | 3492 | 208-230/460 | 56J | MQRP-152JH | Rolled Steel | 86.6 | 4.03-3.81/1.9 | 28 | 11.1 | 68 |
| | 3478 | 575 | 56J | MPRP-152JH | Rolled Steel | 85.1 | 1.61 | 28 | 11.1 | |
| | 1752 | 208-230/460 | 56J | MQRP-154JH | Rolled Steel | 86.6 | 4.59-4.41/2.21 | 31 | 11.9 | 68 |
| | 1745 | 575 | 56J | MPRP-154JH | Rolled Steel | 86.7 | 1.65 | 31 | 11.9 | |
| 2 | 3500 | 208-230/460 | 56J | MQRP-202JH | Rolled Steel | 85.5 | 5.39-5.05/2.53 | 32 | 11.9 | 68 |
| | 3502 | 575 | 56J | MPRP-202JH | Rolled Steel | 86 | 2.03 | 32 | 11.9 | |
| | 1741 | 208-230/460 | 56J | MQRP-204JH | Rolled Steel | 87.1 | 6.0-5.43/2.74 | 37 | 12.9 | 68 |
| | 1752 | 575 | 56J | MPRP-204JH | Rolled Steel | 87.6 | 2.15 | 37 | 12.9 | |
| 3 | 3513 | 208-230/460 | 56J | MQRP-302JH | Rolled Steel | 87.6 | 7.81-7.18/3.54 | 42 | 12.9 | 68 |
| | 3512 | 575 | 56J | MPRP-302JH | Rolled Steel | 87.6 | 3.05 | 42 | 12.9 | |

**Footnotes:**

* **68** = Rated and Nameplated 60/50 Hertz

# SINGLE PHASE CENTRIFUGAL JET PUMP AC MOTORS

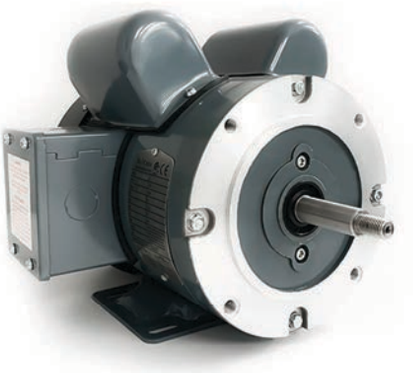
**HEAVY GAUGE ROLLED STEEL CONSTRUCTION**

TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- Ball bearings Mechanically locked on Shaft End
- Capacitor Start/Capacitor Run Design
- Totally Enclosed and Fully Gasketed for Dirty Enviroments
- Suitable for Horizontal and Vertical Operation
- 1.15 Service Factor
- Class F Insulation
- Automatic thermal overload
- F1 Standard Assembly
- CSA Certified, CE Mark
- 12 Months Warranty



| HP | FL RPM | VOLTS | FRAME | CAT NO. | CONSTRUCTION | NOM EFF. | F.L. AMPS | WT (Lbs) | "C" Dimension (Inch) | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.33 | 3520 | 115/208-230 | 56J | MTR-132FDJH | Rolled Steel | 67.3 | 3.83/2.12-1.92 | 22 | 11.1 | |
| | 1770 | 115/208-230 | 56J | MTR-134FDJH | Rolled Steel | 68.8 | 3.92/2.17-1.96 | 26 | 11.1 | |
| 0.5 | 3520 | 115/208-230 | 56J | MTR-122FDJH | Rolled Steel | 71.3 | 5.03/2.78-2.52 | 25 | 11.1 | |
| | 1765 | 115/208-230 | 56J | MTR-124FDJH | Rolled Steel | 74.6 | 5.7/3.15-2.85 | 27 | 11.1 | |
| 0.75 | 3520 | 115/208-230 | 56J | MTR-342FDJH | Rolled Steel | 77.5 | 6.82/3.77-3.41 | 26 | 11.1 | |
| | 1760 | 115/208-230 | 56J | MTR-344FDJH | Rolled Steel | 77 | 7.33/4.05-3.66 | 31 | 11.9 | |
| 1 | 3520 | 115/208-230 | 56J | MTR-102FDJH | Rolled Steel | 77.9 | 8.61/4.76-4.31 | 30 | 11.9 | |
| | 1760 | 115/208-230 | 56J | MTR-104FDJH | Rolled Steel | 79.8 | 9.09/5.02-4.54 | 38 | 12.9 | |
| 1.5 | 3520 | 115/208-230 | 56J | MTR-152FDJH | Rolled Steel | 82.3 | 12.47/6.89-6.23 | 36 | 12.9 | |
| | 1750 | 115/208-230 | 56J | MTR-154FDJH | Rolled Steel | 81.8 | 12.41/6.86-6.2 | 44 | 12.9 | |
| 2 | 3510 | 115/208-230 | 56J | MTR-202FDJH | Rolled Steel | 83 | 15.92/8.8-7.96 | 42 | 12.9 | |
| | 1750 | 115/208-230 | 56J | MTR-204FDJH | Rolled Steel | 84.7 | 16.17/8.94-8.08 | 50 | 14.1 | |

# METRIC IE1 & IE3 ALUMINUM & CAST IRON MOTORS

## IEC DESIGN, WITH NEMA B TORQUE CURVES

TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- Class H Insulation, with B Temp Rise
- SKF High Temperature Bearings
- Inverter Duty Magnet Wire meets MG1 Part 31 10:1 CT and 20:1 VT
- IP55 enclosure
- Rated and Nameplated 60/50 Hertz 190/380-415 or 380-415 @ 1.0 SF
- Aluminum Construction 56-160 Frame, Cast Iron 180-500 Frame
- Rotatable & Removable Bases 56-160 Frame, Rigid Base 180 and larger
- 56-112 Frames come with Sealed Bearings, 132 and larger are Re-Greasable
- PTC Installed on frames 132 and larger
- CSA Certified, CE Mark
- 36 Months Warranty



| HP | KW | FL RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "L" Dimension (Inch) | B14 FLANGE | B5 FLANGE | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.13 | 0.09 | 1590 | 208-230/460 | 56 | IJA562-4-24 | 54 | .76-.69/.34 | 7.7 | 198.5 | IJAB14-56 | IJAB5-56 | 68 |
| | | 1590 | 333/575 | 56 | IJA562-4-35 | 54 | .47/.27 | 7.7 | 198.5 | IJAB14-56 | IJAB5-56 | |
| | | 1020 | 333/575 | 63 | IJA631-6-35 | 44 | .61/.35 | 9.9 | 217 | IJAB14-63 | IJAB5-63 | |
| 0.17 | 0.12 | 3240 | 208-230/460 | 56 | IJA562-2-24 | 64 | .72-.65/.33 | 7.7 | 198.5 | IJAB14-56 | IJAB5-56 | 68 |
| | | 3240 | 333/575 | 56 | IJA562-2-35 | 64 | .45/.26 | 7.7 | 198.5 | IJAB14-56 | IJAB5-56 | |
| | | 1630 | 208-230/460 | 63 | IJA631-4-24 | 62 | .83-.76/.38 | 8.6 | 217 | IJAB14-63 | IJAB5-63 | 68 |
| | | 1630 | 333/575 | 63 | IJA631-4-35 | 62 | .53/.31 | 8.6 | 217 | IJAB14-63 | IJAB5-63 | |
| | | 1020 | 333/575 | 63 | IJA632-6-35 | 48 | .72/.42 | 11 | 217 | IJAB14-63 | IJAB5-63 | |
| 0.25 | 0.19 | 3320 | 208-230/460 | 63 | IJA631-2-24 | 63 | 1.02-.92/.46 | 9.46 | 217 | IJAB14-63 | IJAB5-63 | 68 |
| | | 3320 | 333/575 | 63 | IJA631-2-35 | 63 | .61/.35 | 9.46 | 217 | IJAB14-63 | IJAB5-63 | |
| | | 1570 | 208-230/460 | 63 | IJA632-4-24 | 66 | 1.04-.94/.47 | 8.8 | 217 | IJAB14-63 | IJAB5-63 | 68 |
| | | 1570 | 333/575 | 63 | IJA632-4-35 | 66 | .65/.38 | 8.8 | 217 | IJAB14-63 | IJAB5-63 | |
| | | 1020 | 208-230/460 | 71 | IJA711-6-24 | 52.5 | 1.44-1.3/.65 | 15.4 | 245 | IJAB14-71 | IJAB5-71 | 68 |
| | | 1020 | 333/575 | 71 | IJA711-6-35 | 52.5 | .90/.52 | 15.4 | 245 | IJAB14-71 | IJAB5-71 | |
| 0.33 | 0.25 | 3260 | 208-230/460 | 63 | IJA632-2-24 | 64 | 1.34-1.21/.61 | 8.8 | 217 | IJAB14-63 | IJAB5-63 | 68 |
| | | 3260 | 333/575 | 63 | IJA632-2-35 | 64 | .84/.48 | 8.8 | 217 | IJAB14-63 | IJAB5-63 | |
| | | 1595 | 208-230/460 | 63 | IJA633-4-24 | 68 | 1.38-1.25/.62 | 11 | 217 | IJAB14-63 | IJAB5-63 | 68 |
| | | 1595 | 333/575 | 63 | IJA633-4-35 | 68 | .86/.50 | 11 | 217 | IJAB14-63 | IJAB5-63 | |
| | | 1595 | 208-230/460 | 71 | IJA711-4-24 | 68 | 1.38-1.25/.62 | 11 | 245 | IJAB14-71 | IJAB5-71 | 68 |
| | | 1595 | 333/575 | 71 | IJA711-4-35 | 68 | .86/.50 | 11 | 245 | IJAB14-71 | IJAB5-71 | |
| | | 1020 | 208-230/460 | 71 | IJA712-6-24 | 57.5 | 1.77-1.6/.80 | 15.4 | 245 | IJAB14-71 | IJAB5-71 | 68 |
| | | 1020 | 333/575 | 71 | IJA712-6-35 | 57.5 | 1.11/.64 | 15.4 | 245 | IJAB14-71 | IJAB5-71 | |
| 0.5 | 0.37 | 3285 | 208-230/460 | 63 | IJA633-2-24 | 70 | 1.81-1.64/.82 | 11 | 217 | IJAB14-63 | IJAB5-63 | 68 |
| | | 3285 | 333/575 | 63 | IJA633-2-35 | 70 | 1.13/.66 | 11 | 217 | IJAB14-63 | IJAB5-63 | |
| | | 3285 | 208-230/460 | 71 | IJA711-2-24 | 70 | 1.81-1.64/.82 | 11 | 245 | IJAB14-71 | IJAB5-71 | 68 |
| | | 3285 | 333/575 | 71 | IJA711-2-35 | 70 | 1.13/.66 | 11 | 245 | IJAB14-71 | IJAB5-71 | |
| | | 1595 | 208-230/460 | 71 | IJA712-4-24 | 70 | 1.96-1.77/.88 | 12.1 | 245 | IJAB14-71 | IJAB5-71 | 68 |
| | | 1595 | 333/575 | 71 | IJA712-4-35 | 70 | 1.22/.71 | 12.1 | 245 | IJAB14-71 | IJAB5-71 | |
| | | 1060 | 208-230/460 | 80 | IJA801-6-24 | 62 | 2.37-2.14/1.04 | 20.24 | 286 | IJAB14-80S | IJAB5-80S | 68 |
| | | 1060 | 333/575 | 80 | IJA801-6-35 | 62 | 1.48/.86 | 20.24 | 286 | IJAB14-80S | IJAB5-80S | |

**Footnotes:**

* **68** = Rated and Nameplated 60/50 Hertz

*CHART CONTINUES ON NEXT PAGE*

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | KW | FL RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "L" Dimension (Inch) | B14 FLANGE | B5 FLANGE | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.75 | 0.56 | 3285 | 208-230/460 | 71 | IJA712-2-24 | 72 | 2.59-2.34/1.17 | 13.2 | 245 | IJAB14-71 | IJAB5-71 | 68 |
| | | 3285 | 333/575 | 71 | IJA712-2-35 | 72 | 1.62/.94 | 13.2 | 245 | IJAB14-71 | IJAB5-71 | |
| | | 1665 | 208-230/460 | 71 | IJA713-4-24 | 74 | 2.75-2.49/1.24 | 16.5 | 245 | IJAB14-71 | IJAB5-71 | 68 |
| | | 1665 | 333/575 | 71 | IJA713-4-35 | 74 | 1.72/1 | 16.4 | 245 | IJAB14-71 | IJAB5-71 | |
| | | 1680 | 208-230/460 | 80 | IJA2801-4-24 | 81.1 | 2.51-2.27/1.13 | 20 | 285 | IJAB14-80S | IJAB5-80S | 68 |
| | | 1680 | 333/575 | 80 | IJA2801-4-35 | 81.1 | 1.56/0.90 | 20 | 285 | IJAB14-80S | IJAB5-80S | |
| | | 1060 | 208-230/460 | 80 | IJA2802-6-24 | 72 | 3.21-2.91/1.45 | 22 | 285 | IJAB14-80S | IJAB5-80S | 68 |
| | | 1060 | 333/575 | 80 | IJA2802-6-35 | 72 | 2.01/1.16 | 22 | 285 | IJAB14-80S | IJAB5-80S | |
| 1 | 0.75 | 3455 | 208-230/460 | 71 | IJA713-2-24 | 77 | 3.3-2.98/1.49 | 16.5 | 245 | IJAB14-71 | IJAB5-71 | 68 |
| | | 3455 | 333/575 | 71 | IJA713-2-35 | 77 | 2.06/1.19 | 16.5 | 245 | IJAB14-71 | IJAB5-71 | |
| | | 3455 | 208-230/460 | 80 | IJA2801-2-24 | 77 | 3.30-2.98/1.49 | 19.8 | 285 | IJAB14-80S | IJAB5-80S | 68 |
| | | 3455 | 333/575 | 80 | IJA2801-2-35 | 77 | 2.06/1.19 | 19.8 | 285 | IJAB14-80S | IJAB5-80S | |
| | | 1704 | 208-230/460 | 80 | IJA2802-4-24 | 83.5 | 3.33-3.01/1.50 | 24.4 | 285 | IJAB14-80L | IJAB5-80L | 68 |
| | | 1704 | 333/575 | 80 | IJA2802-4-35 | 83.5 | 2.07/1.20 | 24.4 | 285 | IJAB14-80L | IJAB5-80L | |
| | | 1120 | 208-230/460 | 90 | IJA290S-6-24 | 82.5 | 3.55-3.21/1.61 | 35.2 | 315 | IJAB14-90 | IJAB5-90 | 68 |
| | | 1120 | 333/575 | 90 | IJA290S-6-35 | 82.5 | 2.22/1.29 | 35.2 | 315 | IJAB14-90 | IJAB5-90 | |
| 1.5 | 1.12 | 3455 | 208-230/460 | 80 | IJA2802-2-24 | 84 | 4.38-3.96/1.98 | 19.3 | 285 | IJAB14-80S | IJAB5-80S | 68 |
| | | 3455 | 333/575 | 80 | IJA2802-2-35 | 84 | 2.74/1.58 | 19.3 | 285 | IJAB14-80S | IJAB5-80S | |
| | | 1665 | 208-230/460 | 80 | IJA803-4-24-IE3 | 79 | 5.02-4.54/2.27 | 23.1 | 300 | IJAB14-80L-NG | IJAB5-80L-NG | 8 |
| | | 1665 | 333/575 | 80 | IJA803-4-35-IE3 | 79 | 3.14/1.82 | 23.1 | 300 | IJAB14-80L-NG | IJAB5-80L-NG | |
| | | 1734 | 208-230/460 | 90 | IJA290S-4-24 | 86.5 | 4.64-4.2/2.1 | 35.2 | 315 | IJAB14-90-NG | IJAB5-90-NG | 68 |
| | | 1734 | 333/575 | 90 | IJA290S-4-35 | 86.5 | 2.90/1.68 | 35.2 | 315 | IJAB14-90-NG | IJAB5-90-NG | |
| | | 1134 | 208-230/460 | 90 | IJA290L-6-24 | 87.5 | 4.78-4.32/2.16 | 49.2 | 340 | IJAB14-90-NG | IJAB5-90-NG | 68 |
| | | 1134 | 333/575 | 90 | IJA290L-6-35 | 87.5 | 2.99/1.73 | 49.2 | 340 | IJAB14-90-NG | IJAB5-90-NG | |
| 2 | 1.49 | 3470 | 208-230/460 | 80 | IJA803-2-24-IE3 | 85.5 | 5.80-5.24/262 | 26.4 | 300 | IJAB14-80L | IJAB5-80L | 68 |
| | | 3470 | 333/575 | 80 | IJA803-2-35-IE3 | 85.5 | 3.62/2.10 | 26.4 | 300 | IJAB14-80L | IJAB5-80L | |
| | | 3474 | 208-230/460 | 90 | IJA290S-2-24 | 85.5 | 5.79-5.24/2.62 | 29.7 | 315 | IJAB14-90 | IJAB5-90 | 68 |
| | | 3474 | 333/575 | 90 | IJA290S-2-35 | 85.5 | 3.62/2.10 | 29.7 | 315 | IJAB14-90 | IJAB5-90 | |
| | | 1734 | 208-230/460 | 90 | IJA290L-4-24 | 86.5 | 6.25-5.65/2.83 | 39.6 | 340 | IJAB14-90-NG | IJAB5-90-NG | 68 |
| | | 1734 | 333/575 | 90 | IJA290L-4-35 | 86.5 | 3.90/2.26 | 39.6 | 340 | IJAB14-90-NG | IJAB5-90-NG | |
| | | 1139 | 208-230/460 | 100 | IJA2100L-6-24 | 88.5 | 6.41-5.80/2.90 | 73.7 | 380 | IJAB14-100 | IJAB5-100 | 68 |
| | | 1139 | 333/575 | 100 | IJA2100L-6-35 | 88.5 | 4.01/2.32 | 73.7 | 380 | IJAB14-100 | IJAB5-100 | |
| 2.4 | 1.79 | 1730 | 208-230/460 | 90 | IJA90L2-4-24 | 86.5 | 7.41-6.70/3.35 | 45.1 | 345 | IJAB14-90L | IJAB5-90L | 68 |
| | | 1730 | 333/575 | 90 | IJA90L2-4-35 | 86.5 | 4.63/2.68 | 45.1 | 345 | IJAB14-90L | IJAB5-90L | |
| 3 | 2.24 | 3474 | 208-230/460 | 90 | IJA290L-2-24 | 86.5 | 8.30-7.51/3.76 | 37.4 | 340 | IJAB14-90 | IJAB5-90 | 68 |
| | | 3474 | 333/575 | 90 | IJA290L-2-35 | 86.5 | 5.19/3.01 | 37.4 | 340 | IJAB14-90 | IJAB5-90 | |
| | | 1740 | 208-230/460 | 100 | IJA2100L1-4-24 | 89.5 | 8.40-7.60/3.80 | 55 | 380 | IJAB14-100 | IJAB5-100 | 68 |
| | | 1740 | 333/575 | 100 | IJA2100L1-4-35 | 89.5 | 5.25/3.04 | 55 | 380 | IJAB14-100 | IJAB5-100 | |
| | | 1145 | 208-230/460 | 112 | IJA2112M-6-46 | 89.5 | 9.18-8.30/4.20 | 66 | 401 | IJAB14-112L | IJAB5-112L | 68 |
| | | 1145 | 575/990 | 112 | IJA2112M-6-59 | 89.5 | 5.80/3.36 | 66 | 401 | IJAB14-112L | IJAB5-112L | |

**Footnotes:**

* **68** = Rated and Nameplated 60/50 Hertz

*CHART CONTINUES ON NEXT PAGE*

# METRIC IE1 & IE3 ALUMINUM & CAST IRON MOTORS

## IEC DESIGN, WITH NEMA B TORQUE CURVES

### TEFC TOTALLY ENCLOSED FAN COOLED

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | KW | FL RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "L" Dimension (Inch) | B14 FLANGE | B5 FLANGE | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 2.98 | 3470 | 208-230/460 | 90 | IJA90L2-2-24 | 88.5 | 10.8-9.78/4.89 | 42.9 | 345 | IJAB14-90L | IJAB5-90L | 68 |
| | | 3470 | 333/575 | 90 | IJA90L2-2-35 | 88.5 | 6.76/3.91 | 42.9 | 345 | IJAB14-90L | IJAB5-90L | |
| | | 3474 | 208-230/460 | 100 | IJA2100L-2-24 | 88.5 | 10.84-9.80/4.90 | 50.6 | 380 | IJAB14-100 | IJAB5-100 | 68 |
| | | 3474 | 333/575 | 100 | IJA2100L-2-35 | 88.5 | 6.77/3.92 | 50.6 | 380 | IJAB14-100 | IJAB5-100 | |
| | | 1740 | 208-230/460 | 100 | IJA2100L2-4-24 | 89.5 | 11.39-10.30/5.10 | 67.1 | 380 | IJAB14-100 | IJAB5-100 | 68 |
| | | 1740 | 333/575 | 100 | IJA2100L2-4-35 | 89.5 | 7.05/4.08 | 67.1 | 380 | IJAB14-100 | IJAB5-100 | |
| | | 1160 | 208-230/460 | 132 | IJA132S-6-46 | 89.5 | 12.60-11.40/5.69 | 91.3 | 445 | IJAB14-132 | IJAB5-132 | 68 |
| | | 1160 | 575/990 | 132 | IJA132S-6-59 | 89.5 | 4.55/2.64 | 91.3 | 445 | IJAB14-132 | IJAB5-132 | |
| 5.5 | 4.1 | 3485 | 208-230/460 | 100 | IJA100L2-2-24 | 88.5 | 14.30-12.90/6.45 | 63.8 | 405 | IJAB14-100L | IJAB5-100L | 68 |
| | | 3485 | 575/990 | 100 | IJA100L2-2-35 | 88.5 | 8.90/5.16 | 63.8 | 405 | IJAB14-100L | IJAB5-100L | |
| | | 3485 | 208-230/460 | 112 | IJA2112M-2-46 | 88.5 | 14.26-12.90/6.40 | 63.9 | 401 | IJAB14-112 | IJAB5-112 | 68 |
| | | 3485 | 575/990 | 112 | IJA2112M-2-59 | 88.5 | 8.84/5.12 | 63.9 | 401 | IJAB14-112 | IJAB5-112 | |
| | | 1725 | 208-230/460 | 112 | IJA2112M-4-46 | 89.5 | 15.15-13.70/6.80 | 82.5 | 401 | IJAB14-112-NG | IJAB5-112-NG | 68 |
| | | 1725 | 575/990 | 112 | IJA2112M-4-59 | 89.5 | 9.39/5.44 | 82.5 | 401 | IJAB14-112-NG | IJAB5-112-NG | |
| | | 1160 | 208-230/460 | 132 | IJA132M1-6-46 | 89.5 | 16.80-15.20/7.58 | 108.9 | 485 | IJAB14-132 | IJAB5-132 | 68 |
| | | 1160 | 575/990 | 132 | IJA132M1-6-59 | 89.5 | 6.10/3.52 | 108.9 | 485 | IJAB14-132 | IJAB5-132 | |
| 7.5 | 5.6 | 3515 | 208-230/460 | 112 | IJA2112M2-2-46 | 89.5 | 19.35-17.50/8.76 | 79.2 | 401 | IJAB14-112 | IJAB5-112 | 68 |
| | | 3515 | 575/990 | 112 | IJA2112M2-2-59 | 89.5 | 12.10/7.01 | 79.2 | 401 | IJAB14-112 | IJAB5-112 | |
| | | 3515 | 208-230/460 | 132 | IJA132S1-2-46 | 89.5 | 19.40-17.50/8.76 | 94.6 | 445 | IJAB14-132 | IJAB5-132 | 68 |
| | | 3515 | 575/990 | 132 | IJA132S1-2-59 | 89.5 | 7.01/4.07 | 94.6 | 445 | IJAB14-132 | IJAB5-132 | |
| | | 1750 | 208-230/460 | 132 | IJA132S-4-46 | 91.7 | 20.10-18.10/9.07 | 107.8 | 445 | IJAB14-132 | IJAB5-132 | 68 |
| | | 1750 | 575/990 | 132 | IJA132S-4-59 | 91.7 | 7.26/4.21 | 107.8 | 445 | IJAB14-132 | IJAB5-132 | |
| | | 1160 | 208-230/460 | 132 | IJA132M2-6-46 | 91 | 22.40-20.20/10.10 | 133 | 485 | IJAB14-132 | IJAB5-132 | 68 |
| | | 1160 | 575/990 | 132 | IJA132M2-6-59 | 91 | 8.09/4.70 | 133 | 485 | IJAB14-132 | IJAB5-132 | |
| 10 | 7.46 | 3515 | 208-230/460 | 112 | IJA112M3-2-46 | 90.2 | 26.2-23.7/11.9 | 84.7 | 400 | IJAB14-112L | IJAB5-112L | 68 |
| | | 3515 | 575/990 | 112 | IJA112M3-2-59 | 90.2 | 9.49/5.51 | 84.7 | 400 | IJAB14-112L | IJAB5-112L | |
| | | 3515 | 208-230/460 | 132 | IJA132S2-2-46 | 90.2 | 26.20-23.70/11.90 | 105.6 | 445 | IJAB14-132 | IJAB5-132 | 68 |
| | | 3515 | 575/990 | 132 | IJA132S2-2-59 | 90.2 | 9.49/5.51 | 105.6 | 445 | IJAB14-132 | IJAB5-132 | |
| | | 1750 | 208-230/460 | 132 | IJA132M-4-46 | 91.7 | 27-24.40/12.20 | 128.7 | 485 | IJAB14-132 | IJAB5-132 | 68 |
| | | 1750 | 575/990 | 132 | IJA132M-4-59 | 91.7 | 9.78/5.68 | 128.7 | 485 | IJAB14-132 | IJAB5-132 | |
| | | 1160 | 208-230/460 | 132 | IJA132M3-6-46 | 91.0 | 29.00-26.20/13.10 | 184.8 | 485 | IJAB14-132 | IJAB5-132 | 68 |
| | | 1160 | 575/990 | 132 | IJA132M3-6-59 | 91.0 | 10.50/6.08 | 184.8 | 485 | IJAB14-132 | IJAB5-132 | |
| | | 1160 | 208-230/460 | 160 | IJA160M-6-46 | 91 | 29-26.20/13.10 | 184.8 | 615 | N/A | IJAB5-160 | 68 |
| | | 1160 | 575/990 | 160 | IJA160M-6-59 | 91 | 10.50/6.08 | 184.8 | 615 | N/A | IJAB5-160 | |
| 12.4 | 9.25 | 3530 | 208-230/460 | 132 | IJA132M1-2-46 | 90.2 | 32.20-28.90/14.50 | 125.4 | 485 | IJAB14-132 | IJAB5-132 | 68 |
| | | 3530 | 575/990 | 132 | IJA132M1-2-59 | 90.2 | 11.60/6.72 | 125.4 | 485 | IJAB14-132 | IJAB5-132 | |
| | | 1750 | 208-230/460 | 132 | IJA132M1-4-46 | 90.4 | 33.80-30.60/15.30 | 158.4 | 485 | IJAB14-132 | IJAB5-132 | 68 |
| | | 1750 | 575/990 | 132 | IJA132M1-4-59 | 90.4 | 12.20/7.10 | 158.4 | 485 | IJAB14-132 | IJAB5-132 | |
| 15 | 11.19 | 3530 | 208-230/460 | 132 | IJA132M2-2-46 | 91 | 37.70-34.10/17 | 129.8 | 485 | IJAB14-132 | IJAB5-132 | 68 |
| | | 3530 | 575/990 | 132 | IJA132M2-2-59 | 91 | 13.60/7.92 | 129.8 | 485 | IJAB14-132 | IJAB5-132 | |
| | | 3530 | 208-230/460 | 160 | IJA160M1-2-46 | 91 | 37.70-34.10/17 | 185.9 | 615 | N/A | IJAB5-160 | 68 |
| | | 3530 | 575/990 | 160 | IJA160M1-2-59 | 91 | 13.60/7.92 | 185.9 | 615 | N/A | IJAB5-160 | |
| | | 1755 | 208-230/460 | 160 | IJA160M-4-46 | 92.4 | 38.90-35.20/17.60 | 221.1 | 615 | N/A | IJAB5-160 | 68 |
| | | 1755 | 575/990 | 160 | IJA160M-4-59 | 92.4 | 14.10/8.17 | 221.1 | 615 | N/A | IJAB5-160 | |
| | | 1160 | 208-230/460 | 160 | IJA160L-6-46 | 91.7 | 41.60-37.60/18.80 | 236.5 | 660 | N/A | IJAB5-160 | 68 |
| | | 1160 | 575/990 | 160 | IJA160L-6-59 | 91.7 | 15.04/8.71 | 236.5 | 660 | N/A | IJAB5-160 | |

**Footnotes:**

* **68 =** Rated and Nameplated 60/50 Hertz

*NEXT PAGE*

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | KW | FL RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "L" Dimension (Inch) | B14 FLANGE | B5 FLANGE | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 14.92 | 3530 | 208-230/460 | 132 | IJA132M3-2-46 | 91 | 51.4-46.5/23.2 | 143 | 485 | N/A | N/A | 68 |
| | | 3530 | 575/990 | 132 | IJA132M3-2-59 | 91 | 18.6/10.8 | 143 | 485 | N/A | N/A | |
| | | 3530 | 208-230/460 | 160 | IJA160M2-2-46 | 91 | 51.40-46.50/23.20 | 210.1 | 615 | N/A | IJAB5-160 | 68 |
| | | 3530 | 575/990 | 160 | IJA160M2-2-59 | 91 | 18.60/10.80 | 210.1 | 615 | N/A | IJAB5-160 | |
| | | 1755 | 208-230/460 | 160 | IJA160L-4-46 | 93 | 52.10-47.10/23.50 | 237.6 | 660 | N/A | IJAB5-160 | 68 |
| | | 1755 | 575/990 | 160 | IJA160L-4-59 | 93 | 18.80/10.90 | 237.6 | 660 | N/A | IJAB5-160 | |
| | | 1170 | 208-230/460 | 180 | IJC180L-6-46 | 91.7 | 56.10-50.70/25.30 | 430 | 690 | N/A | IJCB5-180 | 68 |
| | | 1170 | 575/990 | 180 | IJC180L-6-59 | 91.7 | 20.24/11.73 | 430 | 690 | N/A | IJCB5-180 | |
| 25 | 18.65 | 3525 | 208-230/460 | 160 | IJA160L-2-46 | 91.7 | 92.90-56.90/28.50 | 238.7 | 660 | N/A | IJAB5-160 | 68 |
| | | 3525 | 575/990 | 160 | IJA160L-2-59 | 91.7 | 22.80/13.20 | 238.7 | 660 | N/A | IJAB5-160 | |
| | | 1760 | 208-230/460 | 180 | IJC180M-4-46 | 93.6 | 63.80-57.70/28.80 | 406 | 652 | N/A | IJCB5-180 | 68 |
| | | 1760 | 575/990 | 180 | IJC180M-4-59 | 93.6 | 23.10/13.40 | 406 | 652 | N/A | IJCB5-180 | |
| | | 1175 | 460/796 | 200 | IJC200L1-6-47 | 93 | 30.80/17.80 | 507.8 | 746 | N/A | IJCB5-200 | 68 |
| | | 1175 | 575/990 | 200 | IJC200L1-6-59 | 93 | 24.64/14.30 | 507.8 | 746 | N/A | IJCB5-200 | |
| 30 | 22.38 | 3545 | 208-230/460 | 160 | IJA160L2-2-46 | 91.7 | 74.80-67.70/33.80 | 245.3 | 660 | N/A | IJAB5-160 | 68 |
| | | 3545 | 575/990 | 160 | IJA160L2-2-59 | 91.7 | 27.10/15.70 | 245.3 | 660 | N/A | IJAB5-160 | |
| | | 3545 | 208-230/460 | 180 | IJC180M-2-46 | 91.7 | 74.80-67.70/33.80 | 412.7 | 652 | N/A | IJCB5-180 | 68 |
| | | 3545 | 575/990 | 180 | IJC180M-2-59 | 91.7 | 27.10/15.70 | 412.7 | 652 | N/A | IJCB5-180 | |
| | | 1760 | 208-230/460 | 180 | IJC180L-4-46 | 93.6 | 75.90-68.60/34.30 | 467 | 690 | N/A | IJCB5-180 | 68 |
| | | 1760 | 575/990 | 180 | IJC180L-4-59 | 93.6 | 27.40/15.90 | 467 | 690 | N/A | IJCB5-180 | |
| | | 1175 | 460/796 | 200 | IJC200L2-6-47 | 93 | 36.70/21.20 | 358.8 | 746 | N/A | IJCB5-200 | 68 |
| | | 1175 | 575/990 | 200 | IJC200L2-6-59 | 93 | 29.36/26.10 | 358.8 | 746 | N/A | IJCB5-200 | |
| 40 | 29.84 | 3550 | 460/796 | 200 | IJC200L1-2-47 | 92.4 | 45.80/26.50 | 550 | 746 | N/A | IJCB5-200 | 68 |
| | | 3550 | 575/990 | 200 | IJC200L1-2-59 | 92.4 | 36.60/21.30 | 550 | 746 | N/A | IJCB5-200 | |
| | | 1770 | 460/796 | 200 | IJC200L-4-47 | 94.1 | 46.50/26.90 | 583 | 746 | N/A | IJCB5-200 | 68 |
| | | 1770 | 575/990 | 200 | IJC200L-4-59 | 94.1 | 37.20/21.60 | 583 | 746 | N/A | IJCB5-200 | |
| | | 1175 | 460/796 | 225 | IJC225M-6-47 | 94.1 | 48.20/27.990 | 667 | 810 | N/A | IJCB5-225 | 68 |
| | | 1175 | 575/990 | 225 | IJC225M-6-59 | 94.1 | 38.56/22.40 | 667 | 810 | N/A | IJCB5-225 | |
| 50 | 37.3 | 3550 | 460/796 | 200 | IJC200L2-2-47 | 93 | 56.10/32.40 | 567.6 | 746 | N/A | IJCB5-200 | 68 |
| | | 3550 | 575/990 | 200 | IJC200L2-2-59 | 93 | 44.90/26.10 | 567.6 | 746 | N/A | IJCB5-200 | |
| | | 1780 | 460/796 | 200 | IJC200L3-4-47 | 94.5 | 57.10/33.00 | 727 | 746 | N/A | IJCB5-200 | 68 |
| | | 1780 | 575/990 | 200 | IJC200L3-4-59 | 94.5 | 45.70/26.60 | 727 | 746 | N/A | IJCB5-200 | |
| | | 1780 | 460/796 | 225 | IJC225S-4-47 | 94.5 | 57.10/33 | 727 | 780 | N/A | IJCB5-225 | 68 |
| | | 1780 | 575/990 | 225 | IJC225S-4-59 | 94.5 | 45.70/26.60 | 727 | 780 | N/A | IJCB5-225 | |
| | | 1180 | 460/796 | 250 | IJC250M-6-47 | 94.1 | 58.80/34 | 874.5 | 900 | N/A | IJCB5-250 | 68 |
| | | 1180 | 575/990 | 250 | IJC250M-6-59 | 94.4 | 47.04/27.30 | 874.5 | 900 | N/A | IJCB5-250 | |
| 60 | 44.76 | 3555 | 460/796 | 225 | IJC225M-2-47 | 93.6 | 67/38.70 | 716 | 780 | N/A | IJCB5-225 | 68 |
| | | 3555 | 575/990 | 225 | IJC225M-2-59 | 93.6 | 53.60/31.20 | 716 | 780 | N/A | IJCB5-225 | |
| | | 1780 | 460/796 | 225 | IJC225M-4-47 | 95 | 69.10/39.90 | 797 | 810 | N/A | IJCB5-225 | 68 |
| | | 1780 | 575/990 | 225 | IJC225M-4-59 | 95 | 55.30/32.10 | 797 | 810 | N/A | IJCB5-225 | |
| | | 1180 | 460/796 | 250 | IJC280S-6-47 | 93.7 | 70.30/40.60 | 1107 | 982 | N/A | IJCB5-280 | 68 |
| | | 1180 | 575/990 | 250 | IJC280S-6-59 | 93.7 | 56.24/32.60 | 1107 | 982 | N/A | IJCB5-280 | |

**Footnotes:**

* **68 =** Rated and Nameplated 60/50 Hertz

*CHART CONTINUES ON NEXT PAGE*

# METRIC IE1 & IE3 ALUMINUM & CAST IRON MOTORS

## IEC DESIGN, WITH NEMA B TORQUE CURVES

### TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | KW | FL RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "L" Dimension (Inch) | B14 FLANGE | B5 FLANGE | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 55.95 | 3560 | 460/796 | 250 | IJC250M-2-47 | 93.6 | 81.90/47.40 | 910.7 | 900 | N/A | IJCB5-250 | 68 |
| | | 3560 | 575/990 | 250 | IJC250M-2-59 | 93.6 | 65.60/38.10 | 910.7 | 900 | N/A | IJCB5-250 | |
| | | 1780 | 460/796 | 250 | IJC250M-4-47 | 95.4 | 84.10/48.60 | 979 | 900 | N/A | IJCB5-250 | 68 |
| | | 1780 | 575/990 | 250 | IJC250M-4-59 | 95.4 | 67.30/39.10 | 979 | 900 | N/A | IJCB5-250 | |
| | | 1180 | 460/796 | 280 | IJC280M-6-47 | 94.5 | 85.90/49.60 | 1263.5 | 1033 | N/A | IJCB5-280 | 68 |
| | | 1180 | 575/990 | 280 | IJC280M-6-59 | 94.5 | 68.72/39.80 | 1263.5 | 1033 | N/A | IJCB5-280 | |
| 100 | 74.6 | 3570 | 460/796 | 280 | IJC280S-2-47 | 94.1 | 111/64.20 | 1203.9 | 982 | N/A | IJCB5-280-2POLE | 68 |
| | | 3570 | 575/990 | 280 | IJC280S-2-59 | 94.1 | 88.90/51.60 | 1203.9 | 982 | N/A | IJCB5-280-2POLE | |
| | | 1780 | 460/796 | 280 | IJC280S-4-47 | 95.4 | 112/64.80 | 1292 | 982 | N/A | IJCB5-280 | 68 |
| | | 1780 | 575/990 | 280 | IJC280S-4-59 | 95.4 | 89.70/52.10 | 1292 | 982 | N/A | IJCB5-280 | |
| | | 1180 | 460/796 | 315 | IJC315S-6-47 | 95 | 117/67.60 | 1858.8 | 1208 | N/A | IJCB5-315 | 68 |
| | | 1180 | 575/990 | 315 | IJC315S-6-59 | 95 | 93.60/54.60 | 1858.8 | 1208 | N/A | IJCB5-315 | |
| 125 | 93.25 | 3570 | 460/796 | 280 | IJC280M-2-47 | 95 | 134/77.40 | 1304.6 | 1033 | N/A | IJCB5-280-2POLE | 68 |
| | | 3570 | 575/990 | 280 | IJC280M-2-59 | 95 | 106/61.40 | 1304.6 | 1033 | N/A | IJCB5-280-2POLE | |
| | | 1785 | 460/796 | 280 | IJC280M-4-47 | 95.4 | 136/78.60 | 1409 | 1033 | N/A | IJCB5-280 | 68 |
| | | 1785 | 575/990 | 280 | IJC280M-4-59 | 95.4 | 108.80/63.20 | 1409 | 1033 | N/A | IJCB5-280 | |
| | | 1185 | 460/796 | 315 | IJC315M-6-47 | 95 | 140/80.90 | 2074.9 | 1318 | N/A | IJCB5-315 | 68 |
| | | 1185 | 575/990 | 315 | IJC315M-6-59 | 95 | 112/65 | 2074.9 | 1318 | N/A | IJCB5-315 | |
| 150 | 111.9 | 3575 | 460/796 | 315 | IJC315S-2-47 | 95 | 161/93 | 1977.9 | 1178 | N/A | IJCB5-315 | 68 |
| | | 3575 | 575/990 | 315 | IJC315S-2-59 | 95 | 128.80/74.8 | 1977.9 | 1178 | N/A | IJCB5-315 | |
| | | 1785 | 460/796 | 315 | IJC315S-4-47 | 95.8 | 164/94.80 | 2070.5 | 1208 | N/A | IJCB5-315 | 68 |
| | | 1785 | 575/990 | 315 | IJC315S-4-59 | 95.8 | 131.20/76 | 2070.5 | 1208 | N/A | IJCB5-315 | |
| | | 1185 | 460/796 | 315 | IJC315L1-6-47 | 95.8 | 168/97.10 | 2242.5 | 1318 | N/A | IJCB5-315 | 68 |
| | | 1185 | 575/990 | 315 | IJC315L1-6-59 | 95.8 | 134.40/77.70 | 2242.5 | 1318 | N/A | IJCB5-315 | |
| 180 | 134.28 | 3575 | 460/796 | 315 | IJC315M-2-47 | 95.4 | 193/111.50 | 2268.9 | 1288 | N/A | IJCB5-315 | 68 |
| | | 3575 | 575/990 | 315 | IJC315M-2-59 | 95.4 | 154.40/89.32 | 2268.9 | 1288 | N/A | IJCB5-315 | |
| | | 1785 | 460/796 | 315 | IJC315M-4-47 | 96.2 | 196/113.3 | 2277.7 | 1318 | N/A | IJCB5-315 | 68 |
| | | 1785 | 575/990 | 315 | IJC315M-4-59 | 96.2 | 156.80/91.10 | 2277.7 | 1318 | N/A | IJCB5-315 | |
| | | 1185 | 460/796 | 315 | IJC315L2-6-47 | 86.5 | 201/116.20 | 2471.8 | 1318 | N/A | IJCB5-315 | 68 |
| | | 1185 | 575/990 | 315 | IJC315L2-6-59 | 86.5 | 160.80/93.40 | 2471.8 | 1318 | N/A | IJCB5-315 | |
| 200 | 149.2 | 3575 | 460/796 | 315 | IJC315L1-2-47 | 95.4 | 234/135.20 | 2352.7 | 1288 | N/A | IJCB5-315 | 68 |
| | | 3575 | 575/990 | 315 | IJC315L1-2-59 | 95.4 | 187.20/108.50 | 2352.7 | 1288 | N/A | IJCB5-315 | |
| | | 1785 | 460/796 | 315 | IJC315L1-4-47 | 96.2 | 237/137 | 2482.8 | 1318 | N/A | IJCB5-315 | 68 |
| | | 1785 | 575/990 | 315 | IJC315L1-4-59 | 96.2 | 189.60/110.20 | 2482.8 | 1318 | N/A | IJCB5-315 | |
| 270 | 201.42 | 3575 | 460/796 | 315 | IJC315L2-2-47 | 95.8 | 288/166.50 | 2632.77 | 1288 | N/A | IJCB5-315 | 68 |
| | | 3575 | 575/990 | 315 | IJC315L2-2-59 | 95.8 | 230/40/133.40 | 2632.77 | 1288 | N/A | IJCB5-315 | |
| | | 1788 | 460/796 | 315 | IJC315L2-4-47 | 96.2 | 297/171.60 | 2729.8 | 1318 | N/A | IJCB5-315 | 68 |
| | | 1788 | 575/990 | 315 | IJC315L2-4-59 | 96.2 | 237.60/138 | 2729.8 | 1318 | N/A | IJCB5-315 | |
| 340 | 250.00 | 1785 | 575/990 | 355M | IJC355M-4-59 | 96.2 | 290/168 | 3630 | 1524 | N/A | N/A | |

**Footnotes:**

* **68 =** Rated and Nameplated 60/50 Hertz

# METRIC IE1 & IE3 STAINLESS STEEL MOTORS

**304 GRADE STAINLESS STEEL** TENV TOTALLY ENCLOSED
NON-VENTILTED & TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

## Features:

- MG-1 Design B and MG-1 Part 31
- Meets or exceeds NEMA Premium Efficiencies (1HP)
- IP66 enclosure
- Rated and Nameplated 60/50 Hertz 190/380-415 @ 1.0 SF
- Inverter Duty 10:1 Constant Torque, 20:1 Variable Torque 1.0 SF meets MG1 parts 31.4.4.2
- Class F Insulation
- CSAus & CE Certified
- 18 Months Warranty



| HP | RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "L" Dimension (mm) | B14 FLANGE | B5 FLANGE | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.25 | 3600 | 208-230/460 | 63 | MQS-6312 | 73 | 1.17-1.06/.53 | 17.6 | 242 | 63B14SS | 63B5SS | 68, B3 |
| | 3600 | 575 | 63 | MPS-6312 | 73 | 0.424 | 17.6 | 242 | 63B14SS | 63B5SS | B3 |
| | 1800 | 208-230/460 | 63 | MQS-6324 | 75 | 1.17-1.06/.53 | 17.6 | 242 | 63B14SS | 63B5SS | 68, B3 |
| | 1800 | 575 | 63 | MPS-6324 | 75 | 0.424 | 17.6 | 242 | 63B14SS | 63B5SS | B3 |
| | 1800 | 208-230/460 | 63 | MQS-6324NVB14 | 75 | 1.17-1.06/.53 | 17.6 | 241 | Included | N/A | 68, B14 |
| | 1200 | 208-230/460 | 71 | MQS-7116 | 63 | 1.46-1.32/0.66 | 20.9 | 250 | 71B14SS | 71B5SS | 68,B3 |
| | 1200 | 575 | 71 | MPS-7116 | 63 | 0.528 | 20.9 | 250 | 71B14SS | 71B5SS | B3 |
| 0.33 | 3600 | 208-230/460 | 63 | MQS-6322 | 74 | 1.26-1.14/.57 | 17.6 | 242 | 63B14SS | 63B5SS | 68, B3 |
| | 3600 | 575 | 63 | MPS-6322 | 74 | 0.456 | 17.6 | 242 | 63B14SS | 63B5SS | B3 |
| | 1800 | 208-230/460 | 71 | MQS-7114 | 77 | 1.26-1.14/.57 | 18.7 | 311 | 71B14SS | 71B5SS | 68, B3 |
| | 1800 | 575 | 71 | MPS-7114 | 77 | 0.456 | 18.7 | 311 | 71B14SS | 71B5SS | B3 |
| | 1200 | 208-230/460 | 71 | MQS-7126 | 67 | 1.59-1.44/.72 | 25.3 | 311 | 71B14SS | 71B5SS | 68, B3 |
| | 1200 | 575 | 71 | MPS-7126 | 67 | 0.576 | 25.3 | 311 | 71B14SS | 71B5SS | B3 |
| 0.5 | 3600 | 208-230/460 | 71 | MQS-7112 | 80 | 1.71-1.55/.78 | 25.3 | 311 | 71B14SS | 71B5SS | 68, B3 |
| | 3600 | 575 | 71 | MPS-7112 | 80 | 0.62 | 25.3 | 311 | 71B14SS | 71B5SS | B3 |
| | 1800 | 208-230/460 | 71 | MQS-7124 | 78 | 1.79-1.62/.81 | 23.1 | 250 | 71B14SS | 71B5SS | 68, B3 |
| | 1800 | 208-230/460 | 71 | MQS-7124NVB14 | 78 | 1.79-1.62/.81 | 23.1 | 278 | Included | N/A | 68, B14 |
| | 1800 | 575 | 71 | MPS-7124 | 78 | 0.648 | 23.1 | 250 | 71B14SS | 71B5SS | B3 |
| | 1800 | 575 | 71 | MPS-7124NVB14 | 78 | 0.648 | 23.1 | 278 | Included | N/A | B14 |
| | 1200 | 208-230/460 | 80 | MQS-8016 | 77 | 1.94-1.75/.88 | 38.5 | 325 | 80B14SS | 80B5SS | 68, B3 |
| | 1200 | 575 | 80 | MPS-8016 | 77 | 0.7 | 38.5 | 325 | 80B14SS | 80B5SS | B3 |
| 0.75 | 3600 | 208-230/460 | 71 | MQS-7122 | 80 | 2.29-2.075/1.04 | 28.6 | 311 | 71B14SS | 71B5SS | 68, B3 |
| | 3600 | 575 | 71 | MPS-7122 | 80 | 0.83 | 28.6 | 311 | 71B14SS | 71B5SS | B3 |
| | 1800 | 208-230/460 | 80 | MQS-8014 | 79 | 2.48-2.24/1.12 | 38.5 | 325 | 80B14SS | 80B5SS | 68, B3 |
| | 1800 | 208-230/460 | 80 | MQS-8014NVB14 | 79 | 2.48-2.24/1.12 | 38.5 | 322 | Included | N/A | 68, B14 |
| | 1800 | 575 | 80 | MPS-8014 | 79 | 0.896 | 38.5 | 325 | 80B14SS | 80B5SS | B3 |
| | 1800 | 575 | 80 | MPS-8014NVB14 | 79 | 0.896 | 38.5 | 322 | Included | N/A | B14 |
| 1 | 3600 | 208-230/460 | 80 | MQS-8012-S3 | 81 | 2.96-2.68/1.34 | 34.1 | 322 | 80B14SS | 80B5SS | 68, B3 |
| | 3600 | 575 | 80 | MPS-8012-S3 | 81 | 1 072 | 34.1 | 322 | 80B14SS | 80B5SS | B3 |
| | 1800 | 208-230/460 | 80 | MQS-8024-S3 | 85.5 | 3.14-2.84/1.42 | 44 | 322 | 80B14SS | 80B5SS | 68, B3 |
| | 1800 | 575 | 80 | MPS-8024-S3 | 85.5 | 1 136 | 44 | 322 | 80B14SS | 80B5SS | B3 |
| | 1800 | 208-230/460 | 80 | MQS-8024S3NVB14 | 85.5 | 3.14-2.84/1.42 | 44 | 322 | Included | N/A | 68, B14 |
| | 1800 | 208-230/460 | 80 | MQS-8024S3NVB34 | 85.5 | 3.14-2.84/1.42 | 44 | 322 | Included | N/A | 68, B34 |
| | 1800 | 575 | 80 | MPS-8024S3NVB14 | 85.5 | 1 136 | 44 | 322 | Included | N/A | B14 |
| | 1200 | 208-230/460 | 90 | MQS-90S6FC-S3 | 82.5 | 4.64-4.2/2.1 | 44 | 369 | 90B14SS | 90B5SS | 68, B3 |
| | 1200 | 575 | 80 | MPS-90S6FC-S3 | 82.5 | 1.68 | 44 | 369 | 90B14SS | 90B5SS | B3 |

**Footnotes:**

* **68 =** Rated and Nameplated 60/50 Hertz
* **B3 =** Rigid Base, no Flange
* **B14 =** Round Body, B14 Flange Installed
* **B34 =** Rigid Base, B14 Flange installed

*CHART CONTINUES ON NEXT PAGE*

*CHART CONTINUED FROM PREVIOUS PAGE*

| HP | RPM | VOLTS | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | WT (Lbs) | "L" Dimension (mm) | B14 FLANGE | B5 FLANGE | FOOT NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.5 | 3600 | 208-230/460 | 80 | MQS-8022FC-S3 | 85 | 3.98-3.6/1.8 | 39.6 | 361 | 80B14SS | 80B5SS | 68, B3 |
| | 3600 | 575 | 80 | MPS-8022FC-S3 | 85 | 1.44 | 39.6 | 361 | 80B14SS | 80B5SS | B3 |
| | 3600 | 208-230/460 | 90 | MQS-90S4FC-S3 | 86.5 | 4.74-4.29/2.145 | 48.4 | 369 | 90B14SS | 90B5SS | 68, B3 |
| | 3600 | 575 | 90 | MPS-90S4FC-S3 | 86.5 | 1 716 | 48.4 | 369 | 90B14SS | 90B5SS | B3 |
| | 1200 | 208-230/460 | 90 | MQS-90L6FC-S3 | 87.5 | 5.31-4.8/2.4 | 57.2 | 414 | 90B14SS | 90B5SS | 68, B3 |
| | 1200 | 575 | 90 | MPS-90L6FC-S3 | 87.5 | 1.92 | 57.2 | 414 | 90B14SS | 90B5SS | B3 |
| 2 | 3600 | 208-230/460 | 90 | MQS-90S2FC-S3 | 85.5 | 5.64-5.1/2.55 | 48.4 | 369 | 90B14SS | 90B5SS | 68, B3 |
| | 3600 | 575 | 90 | MPS-90S2FC-S3 | 85.5 | 2.04 | 48.4 | 369 | 90B14SS | 90B5SS | B3 |
| | 1800 | 208-230/460 | 90 | MQS-90L4FC-S3 | 86.5 | 6.44-5.82/2.91 | 59.4 | 414 | 90B14SS | 90B5SS | 68, B3 |
| | 1800 | 575 | 90 | MPS-90L4FC-S3 | 86.5 | 2 328 | 59.4 | 414 | 90B14SS | 90B5SS | B3 |
| | 1200 | 208-230/460 | 100 | MQS-100L6FC-S3 | 88.5 | 6.41-5.8/2.7 | 83.6 | 433 | 100B14SS | 100B5SS | 68, B3 |
| | 1200 | 575 | 100 | MPS-100L6FC-S3 | 88.5 | 2.16 | 83.6 | 433 | 100B14SS | 100B5SS | B3 |
| 3 | 3600 | 208-230/460 | 90 | MQS-90L2FC-S3 | 86.5 | 7.96-7.2/3.6 | 64.9 | 414 | 90B14SS | 90B5SS | 68, B3 |
| | 3600 | 575 | 90 | MPS-90L2FC-S3 | 86.5 | 2.88 | 64.9 | 414 | 90B14SS | 90B5SS | B3 |
| | 1800 | 208-230/460 | 100 | MQS-100L14FC-S3 | 89.5 | 7.96-7.2/3.6 | 74.8 | 433 | 100B14SS | 100B5SS | 68, B3 |
| | 1800 | 575 | 100 | MPS-100L14FC-S3 | 89.5 | 2.88 | 74.8 | 433 | 100B14SS | 100B5SS | B3 |
| | 1200 | 208-230/460 | 112 | MQS-112M6FC-S3 | 89.5 | 9.29-8.4/4.2 | 111.1 | 469 | 112B14SS | 112B5SS | 68, B3 |
| | 1200 | 575 | 112 | MPS-112M6FC-S3 | 89.5 | 3.36 | 111.1 | 469 | 112B14SS | 112B5SS | B3 |
| 4 | 3600 | 208-230/460 | 100 | MQS-100L2FC-S3 | 88.5 | 10.73-9.7/4.85 | 81.4 | 433 | 100B14SS | 100B5SS | 68, B3 |
| | 3600 | 575 | 100 | MPS-100L2FC-S3 | 88.5 | 3.88 | 81.4 | 433 | 100B14SS | 100B5SS | B3 |
| | 1800 | 208-230/460 | 100 | MQS-100L24FC-S3 | 89.5 | 11.01-9.96/4.98 | 92.4 | 433 | 100B14SS | 100B5SS | 68, B3 |
| | 1800 | 575 | 100 | MPS-100L24FC-S3 | 89.5 | 3 984 | 92.4 | 433 | 100B14SS | 100B5SS | B3 |
| 5.5 | 3600 | 208-230/460 | 112 | MQS-112M2FC-S3 | 88.5 | 14.22-12.86/6.43 | 99 | 469 | 112B14SS | 112B5SS | 68, B3 |
| | 3600 | 575 | 112 | MPS-112M2FC-S3 | 88.5 | 5 144 | 99 | 469 | 112B14SS | 112B5SS | B3 |
| | 1800 | 208-230/460 | 112 | MQS-112M4FC-S3 | 89.5 | 14.6-13.2/6.6 | 111.1 | 469 | 112B14SS | 112B5SS | 68, B3 |
| | 1800 | 575 | 112 | MPS-112M4FC-S3 | 89.5 | 5.28 | 111.1 | 469 | 112B14SS | 112B5SS | B3 |
| 7.5 | 3600 | 208-230/460 | 132 | MQS-132S12FC-S3 | 89.5 | 20.5-18.54/9.27 | 145.2 | 524 | 132B14SS | 132B5SS | 68, B3 |
| | 3600 | 575 | 132 | MPS-132S12FC-S3 | 89.5 | 7 416 | 145.2 | 524 | 132B14SS | 132B5SS | B3 |
| | 1800 | 208-230/460 | 132 | MQS-132S4FC-S3 | 91.7 | 19.9-18/9 | 173.8 | 524 | 132B14SS | 132B5SS | 68, B3 |
| | 1800 | 575 | 132 | MPS-132S4FC-S3 | 91.7 | 7.2 | 173.8 | 524 | 132B14SS | 132B5SS | B3 |
| 10 | 3600 | 208-230/460 | 132 | MQS-132S22FC-S3 | 90.2 | 26.23-23.72/11.86 | 171.6 | 524 | 132B14SS | 132B5SS | 68, B3 |
| | 3600 | 575 | 132 | MPS-132S22FC-S3 | 90.2 | 9 488 | 171.6 | 524 | 132B14SS | 132B5SS | B3 |
| | 1800 | 208-230/460 | 132 | MQS-132M4FC-S3 | 91.7 | 26.1-23.6/11.8 | 200.2 | 564 | 132B14SS | 132B5SS | 68, B3 |
| | 1800 | 575 | 132 | MPS-132M4FC-S3 | 91.7 | 9.44 | 200.2 | 564 | 132B14SS | 132B5SS | B3 |

**Footnotes:**

* **68 =** Rated and Nameplated 60/50 Hertz
* **B3 =** Rigid Base, no Flange
* **B14 =** Round Body, B14 Flange Installed
* **B34 =** Rigid Base, B14 Flange installed

# FAN and BLOWER MOTOR DIRECT DRIVE PSC

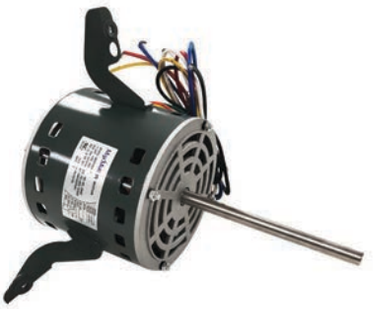
**HEAVY GAUGE ROLLED STEEL CONSTRUCTION**

OPEN AIR OVER DESIGN FLEX MOUNT MOTORS

MaxMotion

## Features:

- Open Frames and Brackets
- Multi-speed Capacity
- Weather Resistant Reversing Plug
- 30" Long Leads
- Automatic Reset Thermal Protector
- Ball Bearings
- UL reconized and CSA Certified
- Capacitor Included
- Shaft 1/2" X 6"



| HP | RPM | VOLTS | FRAME | CAT NO. | S.F | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) |
|---|---|---|---|---|---|---|---|---|
| 0.25 | 1075/4 | 115 | 48Y | MDD146/4SP | 1.0 | 3.05 | 14 | 4.25 |
| 0.33 | 1075/4 | 115 | 48Y | MDD136/4SP | 1.0 | 4.5 | 15 | 4.5 |
| 0.50 | 1075/4 | 115 | 48Y | MDD126/4SP | 1.0 | 6 | 18 | 5 |

# FARM DUTY PSC MOTOR

**TEAO TOTALLY ENCLOSED AIR OVER DESIGN**

VARIABLE SPEEDS | VARIABLE SPEED CONTROLLED 1 PHASE INPUT

## Features:

- Ball Bearings
- Continuous Duty
- Extended Thru-Bolts
- Automatic Reset Thermal Overload
- Full Gasketed
- 1/2" x 2-1/2" Long Shaft with Two Flats, 90 Degree Apart
- UL reconized and CSA Certified



| HP | RPM | VOLTS | FRAME | CAT NO. | S.F | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) |
|---|---|---|---|---|---|---|---|---|
| 0.33 | 1625 | 115/230 | 48YZ | MVS-134SB | 1.0 | 3.8/1.9 | 22.15 | 11.81 |
| 0.50 | 1625 | 115/230 | 48YZ | MVS-124SB | 1.0 | 5.4/2.7 | 24.4 | 11.81 |

# DC PERMANENT MAGNET MOTOR

**HEAVY GAUGE ROLLED STEEL CONSTRUCTION | TENV TOTALLY NON-VENTILATED & TEFC TOTALLY ENCLOSED FAN COOLED** SCR RATED, 90VDC, 180VDC

MaxMotion

## Features:

- Class F Insulation
- IP45 Rated
- NEMA C-Face with Removable Base
- Highest Quality Permanent Magnets for High Starting Torque and Increased Efficiency
- Permanently Lubricated Sealed Ball Bearings
- Linear Speed/Torque Throughout Speed Range 20:1 CT
- ROHS Compliant
- UL Recognized and CSA Certified



| HP | RPM | ARMATURE DC VOLTS | FRAME | CAT NO. | ENCLOSURE | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | TORQUE (IN.LBS) |
|---|---|---|---|---|---|---|---|---|---|
| 0.25 | 1750 | 90 | 56C | MM2590NV | TENV | 2.05 | 21 | 8 | 9 |
| | 1750 | 90 | 56C | MM2590FC | TEFC | 2.05 | 21 | 9.6 | 9 |
| | 1750 | 180 | 56C | MM2518NV | TENV | 2.55 | 21 | 8 | 9 |
| | 1750 | 180 | 56C | MM2518FC | TEFC | 2.55 | 21 | 9.6 | 9 |
| 0.33 | 1750 | 90 | 56C | MM3390NV | TENV | 5.1 | 23 | 8 | 13.5 |
| | 1750 | 90 | 56C | MM3390FC | TEFC | 5.1 | 23 | 9.6 | 13.5 |
| | 1750 | 180 | 56C | MM3318NV | TENV | 2.55 | 23 | 8 | 13.5 |
| | 1750 | 180 | 56C | MM3318FC | TEFC | 2.55 | 23 | 9.6 | 13.5 |
| 0.5 | 1750 | 90 | 56C | MM5090NV | TENV | 6.28 | 25 | 8.88 | 18 |
| | 1750 | 90 | 56C | MM5090FC | TEFC | 6.28 | 25 | 10.4 | 18 |
| | 1750 | 180 | 56C | MM5018NV | TENV | 3.14 | 25 | 8.88 | 18 |
| | 1750 | 180 | 56C | MM5018FC | TEFC | 3.14 | 25 | 10.4 | 18 |
| 0.75 | 1750 | 90 | 56C | MM7590FC | TEFC | 9.82 | 30 | 11.45 | 27 |
| | 1750 | 180 | 56C | MM7518FC | TEFC | 4.9 | 30 | 11.45 | 27 |
| 1 | 1750 | 90 | 56C | MM1090FC | TEFC | 12.7 | 33 | 12.24 | 36 |
| | 1750 | 180 | 56C | MM1018FC | TEFC | 6.4 | 33 | 12.24 | 36 |
| 1.5 | 1750 | 180 | 56C | MM1518FC-56C | TEFC | 7.86 | 45 | 14.39 | 54 |
| | 1750 | 180 | 145TC | MM1518FC | TEFC | 7.86 | 45 | 13.8 | 54 |
| 2 | 1750 | 180 | 56C | MM2018FC-56C | TEFC | 10.4 | 55 | 10.77 | 72 |
| | 1750 | 180 | 145TC | MM2018FC | TEFC | 10.77 | 55 | 14.8 | 72 |
| 3 | 1750 | 180 | 145TC | MM3018FC | TEFC | 18.6 | 70 | 16.9 | 108 |

# LOW VOLTAGE DC PERMANENT MAGNET MOTOR

**HEAVY GAUGE ROLLED STEEL CONSTRUCTION | TENV TOTALLY NON-VENTILATED & TEFC TOTALLY ENCLOSED FAN COOLED** SCR RATED, 12, 24, 48VDC

MaxMotion

## Features:

- Class F Insulation
- IP45 Rated
- NEMA C-Face with Removable Base
- Highest Quality Permanent Magnets for High Starting Torque and Increased Efficiency
- Permanently Lubricated Sealed Ball Bearings
- Linear Speed/Torque Throughout Speed Range 20:1 CT
- ROHS Compliant
- UL Recognized and CSA Certified



| HP | RPM | ARMATURE DC VOLTS | FRAME | CAT NO. | ENCLOSURE | F.L. AMPS | WT (Lbs) | "C" DIMENSION (Inch) | TORQUE (IN.LBS) |
|---|---|---|---|---|---|---|---|---|---|
| 0.25 | 1750 | 12 | 56C | MM2512NV | TENV | 30.9 | 21 | 8 | 9 |
| | 1750 | 12 | 56C | MM2512FC | TEFC | 30.9 | 21 | 10.4 | 9 |
| | 1750 | 24 | 56C | MM2524FC | TEFC | 15.46 | 21 | 8 | 9 |
| | 1750 | 48 | 56C | MM2548FC | TEFC | 7.73 | 21 | 10.4 | 9 |
| 0.33 | 1750 | 12 | 56C | MM3312NV | TENV | 38.3 | 23 | 8 | 11.9 |
| | 1750 | 12 | 56C | MM3312FC | TEFC | 38.3 | 23 | 10.4 | 11.9 |
| | 1750 | 24 | 56C | MM3324NV | TENV | 19.1 | 23 | 10.4 | 11.9 |
| | 1750 | 24 | 56C | MM3324FC | TEFC | 19.1 | 23 | 10.4 | 11.9 |
| | 1750 | 48 | 56C | MM3348FC | TEFC | 9.56 | 23 | 10.4 | 11.9 |
| 0.5 | 1750 | 12 | 56C | MM5012NV | TENV | 47.16 | 25 | 8.88 | 18 |
| | 1750 | 12 | 56C | MM5012FC | TEFC | 47.12 | 25 | 10.4 | 18 |
| | 1750 | 24 | 56C | MM5024FC | TEFC | 23.56 | 25 | 10.4 | 18 |
| | 1750 | 48 | 56C | MM5048FC | TEFC | 11.78 | 25 | 10.4 | 18 |
| 0.75 | 1750 | 12 | 56C | MM7512FC | TEFC | 73.6 | 30 | 11.45 | 27 |
| | 1750 | 24 | 56C | MM7524FC | TEFC | 31.8 | 30 | 11.45 | 27 |
| 1 | 1750 | 12 | 56C | MM1012FC | TEFC | 95.4 | 32 | 12.24 | 36 |
| | 1750 | 24 | 56C | MM1024FC | TEFC | 47.7 | 32 | 12.24 | 36 |

# RIGHT ANGLE SPEED REDUCER

ALUMINUM CONSTRUCTION

MaxMotion

## Features:

- Aluminum alloy Housing with heat sink design
- Two bearings on Input shaft
- NEMA 56C Input
- Double Lip Seals
- O Rings on input and output covers
- Hardened worm shaft
- Permanently sealed with Synthetic lubrication
- See Accessories page for Single and Double Output shafts, Torque arm and Flanges.



| MODEL | RATIO | OUTPUT RPM | OUTPUT TORQUE In.Lbs | MAX HP INPUT @ 1750RPM | MAX OHL Lbs | BORE SIZE | SINGLE O.P SHAFT | DOUBLE O.P SHAFT | TORQUE ARM | OUTPUT FLANGE |
|---|---|---|---|---|---|---|---|---|---|---|
| MMR50-5-56C | 5 | 350 | 549 | 3.43 | 322 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-7.5-56C | 7.5 | 23 | 638 | 2.64 | 369 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-10-56C | 10 | 175 | 637 | 2.06 | 406 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-15-56C | 15 | 117 | 655 | 1.48 | 464 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-20-56C | 20 | 88 | 646 | 1.14 | 510 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-25-56C | 25 | 70 | 619 | .90 | 551 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-30-56C | 30 | 58 | 743 | .96 | 586 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-40-56C | 40 | 44 | 672 | .70 | 643 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-50-56C | 50 | 35 | 646 | .57 | 694 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-60-56C | 60 | 29 | 602 | .47 | 739 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-80-56C | 80 | 22 | 575 | .38 | 810 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR50-100-56C | 100 | 18 | 487 | .28 | 866 | 1.000" | MMR50-SS | MMR50-DS | MMR50-ARM | MMR50-FLANGE |
| MMR63-7.5-56C | 7.5 | 233 | 1133 | 4.77 | 463 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR63-10-56C | 10 | 175 | 1150 | 3.67 | 510 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR63-15-56C | 15 | 117 | 1239 | 2.76 | 583 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR63-20-56C | 20 | 88 | 1194 | 2.05 | 641 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR63-25-56C | 25 | 70 | 1150 | 1.64 | 692 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR63-30-56C | 30 | 58 | 1416 | 1.77 | 736 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR63-40-56C | 40 | 44 | 1283 | 1.27 | 807 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR63-50-56C | 50 | 35 | 1194 | 1.01 | 871 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR63-60-56C | 60 | 29 | 1150 | .86 | 928 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR63-80-56C | 80 | 22 | 1079 | .66 | 1017 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR63-100-56C | 100 | 15 | 1044 | .57 | 1088 | 1.000" | MMR63-SS | MMR63-DS | MMR63-ARM | MMR63-FLANGE |
| MMR75-50-56C | 50 | 35 | 1880 | 1.47 | 1093 | 1.250" | MMR75-SS | MMR75-DS | MMR75-ARM | MMR75-FLANGE |
| MMR75-60-56C | 60 | 29 | 1778 | 1.22 | 1162 | 1.250" | MMR75-SS | MMR75-DS | MMR75-ARM | MMR75-FLANGE |
| MMR75-80-56C | 80 | 22 | 1632 | .91 | 1279 | 1.250" | MMR75-SS | MMR75-DS | MMR75-ARM | MMR75-FLANGE |
| MMR75-100-56C | 100 | 18 | 1517 | .94 | 1378 | 1.250" | MMR75-SS | MMR75-DS | MMR75-ARM | MMR75-FLANGE |
| MMR90-80-56C | 80 | 22 | 2396 | 1.27 | 1415 | 1.375" | MMR90-SS | MMR90-DS | MMR90-ARM | MMR90-FLANGE |
| MMR90-100-56C | 100 | 18 | 2270 | 1.03 | 1524 | 1.375" | MMR90-SS | MMR90-DS | MMR90-ARM | MMR90-FLANGE |

# RIGHT ANGLE SPEED REDUCER

304 STAINLESS STEEL CONSTRUCTION

MaxMotion

## Features:

- 304 Stainless Steel construction
- Two bearings on Input shaft
- NEMA 56C Face Input
- Double Lip Viton Seals
- O Rings on input and output covers
- Hardened worm shaft
- Permanently sealed with Food Grade Oil
- 140TC come's with 5/8" Stainless Reduction Bushing





| MODEL | RATIO | OUTPUT RPM | OUTPUT TORQUE In.Lbs | MAX INPUT HP @ 1750RPM | MAX OHL Lbs | BORE SIZE | SINGLE O.P SHAFT | DOUBLE O.P SHAFT | TORQUE ARM |
|---|---|---|---|---|---|---|---|---|---|
| MRS50-5-56C | 5 | 350 | 549 | 3.43 | 322 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50-7.5-56C | 7.5 | 23 | 638 | 2.64 | 369 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50-10-56C | 10 | 175 | 637 | 2.06 | 406 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50-15-56C | 15 | 117 | 655 | 1.48 | 464 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50-20-56C | 20 | 88 | 646 | 1.14 | 510 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50-25-56C | 25 | 70 | 619 | .90 | 551 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50-30-56C | 30 | 58 | 743 | .96 | 586 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50-40-56C | 40 | 44 | 672 | .70 | 643 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50M-40-56C | 40 | 44 | 672 | .70 | 643 | 25MM | N/A | N/A | MRS50-ARM |
| MRS50-50-56C | 50 | 35 | 646 | .57 | 694 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50-60-56C | 60 | 29 | 602 | .47 | 739 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50M-60-56C | 60 | 29 | 602 | .47 | 739 | 25MM | N/A | N/A | MRS50-ARM |
| MRS50-80-56C | 80 | 22 | 575 | .38 | 810 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS50-100-56C | 100 | 18 | 487 | .28 | 866 | 1.000" | MRS50-SS-SS | MRS50-DS-SS | MRS50-ARM |
| MRS63-7.5-56C | 7.5 | 233 | 1133 | 4.77 | 463 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS63-10-56C | 10 | 175 | 1150 | 3.67 | 510 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS63-15-56C | 15 | 117 | 1239 | 2.76 | 583 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS63-20-56C | 20 | 88 | 1194 | 2.05 | 641 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS63-25-56C | 25 | 70 | 1150 | 1.64 | 692 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS63-30-56C | 30 | 58 | 1416 | 1.77 | 736 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS63-40-56C | 40 | 44 | 1283 | 1.27 | 807 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS63M-40-56C | 40 | 44 | 1283 | 1.27 | 807 | 25MM | N/A | N/A | MRS63-ARM |
| MRS63-50-56C | 50 | 35 | 1194 | 1.01 | 871 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS63-60-56C | 60 | 29 | 1150 | .86 | 928 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS63M-60-56C | 60 | 29 | 1150 | .86 | 928 | 25MM | N/A | N/A | MRS63-ARM |
| MRS63-80-56C | 80 | 22 | 1079 | .66 | 1017 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS63-100-56C | 100 | 15 | 1044 | .57 | 1088 | 1.000" | MRS63-SS-SS | MRS63-DS-SS | MRS63-ARM |
| MRS75-7.5-180TC | 7.5 | 233 | 1555 | 6.44 | 581 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |
| MRS75-10-180TC | 10 | 175 | 1656 | 5.20 | 639 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |
| MRS75-15-180TC | 15 | 117 | 1900 | 4.07 | 732 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |
| MRS75-20-140TC | 20 | 88 | 1953 | 3.24 | 806 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |
| MRS75-25-140TC | 25 | 70 | 1784 | 2.43 | 868 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |
| MRS75-30-140TC | 30 | 58 | 2027 | 2.41 | 922 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |
| MRS75-40-56C | 40 | 44 | 2029 | 1.90 | 1015 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |
| MRS75-50-56C | 50 | 35 | 1880 | 1.47 | 1093 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |
| MRS75-60-56C | 60 | 29 | 1778 | 1.22 | 1162 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |
| MRS75-80-56C | 80 | 22 | 1632 | .91 | 1279 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |
| MRS75-100-56C | 100 | 15 | 1517 | 0.74 | 1378 | 1.250" | MRS75-SS-SS | MRS75-DS-SS | MRS75-ARM |

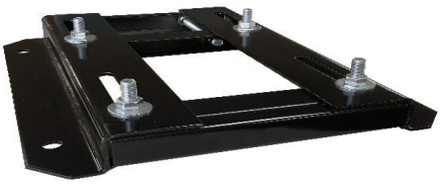
## SINGLE ADJUSTMENT SLIDE BASES

| FRAME | CATALOGUE |
|---|---|
| 56 | 56W |
| 143T | 143W |
| 145T | 145W |



## SINGLE ADJUSTMENT SLIDE BASES

| FRAME | STANDARD DUTY CAT NO. | HEAVY DUTY CAT NO. |
|---|---|---|
| 182T | 182B2W | 182A2HD |
| 184T | 184B2W | 184A2HD |
| 213T | 213B2W | 213A2HD |
| 215T | 215B2W | 215A2HD |
| 254T | 254B2W | 254C2HD |
| 256T | 256B2W | 256C2HD |
| 284T | 284B2W | 284C2HD |
| 286T | 286B2W | 286C2HD |
| 324T | 324B2W | 324C2HD |
| 326T | 326B2W | 326C2HD |
| 364T | 364B2W | 364C2HD |
| 365T | 365B2W | 365C2HD |
| 404T | 404B2W | 404C2HD |
| 405T | 405B2W | 405C2HD |
| 444T | 444B2W | 444C2HD |
| 445T | 445B2W | 445C2HD |
| 447T | 447B2W | 447C2HD |
| 449T | 449B2W | 449C2HD |
| 504T | 504B2W | N/A |
| 505T | 505B2W | N/A |





## TRANSITION BASES

| CONVERTS FROM | CONVERTS TO | CATALOGUE |
|---|---|---|
| 182/184 | 143T/145T | 1814T |
| 213/215 | 182T/184T | 2118T |
| 254U/256U | 213T/215T | 25U21T |
| 284U/286U | 254T/256T | 28U25T |
| 324U/326U | 284T/286T | 32U28T |
| 364U/365U | 324T/326T | 36U32T |
| 404/405U | 364T/365T | 40U36T |
| 444U/445U | 364T/365T | 44U36T |
| 444U/445U | 404/405T | 44U40T |



# Useful formulas

## HP VS KW

1HP=0.746KW
1KW=1.34HP

## OHMS

Ohms = Volts ÷ Amperes
Amperes = Volts ÷ Ohms
Volts = Amperes x Ohms

## POWER– A.C. CIRCUITS

Power Factor = Watts ÷ (Volts x Amperes)
Three Phase Kilowatts = (Volts x Amperes x Power Factor x 1.732) ÷ 1000
Three Phase Volt-Amperes = Volts x Amperes x 1.732
Three Phase Amperes = (746 x Horsepower) ÷ (1.732 x Volts x Efficiency x Power Factor)
Single Phase Kilowatts = (Volts x Amperes x Power Factor) ÷ 1000
Single Phase Amperes = (746 x Horsepower) ÷ (Volts x Efficiency x Power Factor)

## POWER – D.C. CIRCUITS

Watts = Volts x Amperes
Amperes = Watts ÷ Volts
Horsepower = (Volts x Amperes x Efficiency) ÷ 746

## MOTORS FORMULAS

Torque (lbs.-ft.) = (Horsepower x 5250) ÷ RPM
Shaft Stress (lbs. per sq. inch) = (Horsepower x 321000) ÷ (RPM x Shaft Diam3)

## PUMPS

Horsepower = (GPM x Head in Feet x Specific Gravity) ÷ (3960 x Efficiency of Pump)

## VENTILATION

Horsepower = (CFM x Pressure (lbs. per sq. ft.)) ÷ (33000 x Efficiency)

## SPEED

Synchronous RPM = (Hertz x 120) ÷ Poles
Percent Slip = (Synchronous RPM – Full Load RPM) ÷ Synchronous RPM x 100

# IP RATING CHART

Protection provided by enclosures for electrical equipment is indicated by the IP Code.

## The first numeral indicates protection of persons against access to hazardous parts, and protection of equipment against ingress of solid foreign objects.



No Protection **0**



Protection of the back of the hand against accidental access to hazardous parts, and protection of equipment against objects larger than 50mm. **1**



Protection of fingers against access to hazardous parts, and protection of equipment against objects larger than 12.5mm. **2**




Protection of persons holding tools or wires (larger than 2.5mm diameter), and protection of equipment against objects larger than 2.5mm. **3**




Protection of persons holding small tools or wires (larger than 1mm diameter), and protection of equipment against objects larger than 1mm. **4**



Protection against entry dust in sufficient quantity to interfere with satisfactory operation of equipment. **5**



Complete protection against entry of dust. **6**

## The second numeral indicates protection of equipment against harmful ingress of water.



No Protection **0**



Protection against drops of water falling vertically. **1**



Protection against drops of water falling vertically when object is tilted up to 15ft from its normal position (in any direction). **2**



Protection against spraying water at up to 60ft from the vertical. **3**



Protection against splashing and spraying water from all practicable directions. **4**



Protection against low pressure jets of water from all practicable directions. **5**



Protection against heavy seas or strong jets of water from all practicable directions. **6**



Protection against temporary immersion. **7**



Protection against continuous submersion (tests subject to agreement, but no less severe than second numeral 7). **8**



Protection from close-range, powerful, high temperature water jets. **9K**

Since 2001, MEP has developed a comprehensive range of products to meet the various needs of their customers and their unique applications.

Max Motion delivers industry leading features at competitive prices.

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