



**PERFORMANCE DATA SHEET  
NEMA PREMIUM NR CAN NEMA 12 - 12**

Catalogue #: MQP-81

| HP  | kW    | Voltage | S.F. @ 60Hz | EFF.  | P.F. | Frame | Design | L.R. Amps |
|-----|-------|---------|-------------|-------|------|-------|--------|-----------|
| 125 | 93,25 | 460     | 1,15        | 95,0% | 0,92 | 444TS | B      | 907       |

| 60 Hz |     |     |        |     |     |     | Code | F.L. RPM |
|-------|-----|-----|--------|-----|-----|-----|------|----------|
| 208   | 230 | 416 | 460    | 480 | 575 | 600 |      |          |
| /     | /   | /   | 134,00 | /   | /   |     | G    | 3580     |

| 50 Hz |     |     |             |  |            |              |      |          |
|-------|-----|-----|-------------|--|------------|--------------|------|----------|
| FLA   |     |     | S.F. @ 50Hz |  | Efficiency | Power Factor | Code | F.L. RPM |
| 190   | 380 | 415 |             |  |            |              |      |          |
| /     | 164 |     | 1,00        |  | 93,6%      | 0,920        | D    | 2980     |

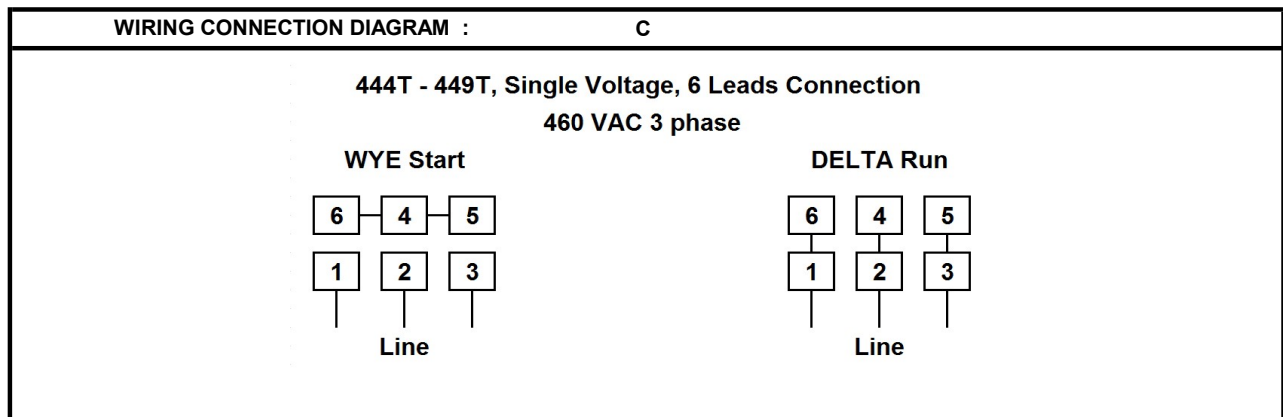
| Wgt. Lbs | PH | Duty  | Insul. Class | Amb. | Elevation        | Temp. Rise° C |
|----------|----|-------|--------------|------|------------------|---------------|
| 1247     | 3  | Cont. | F            | 40°C | 1000M (3,300 Ft) | < 80          |

| % Efficiency |       | % Power Factor |      | Torque           |       | Winding Resist. Ω | Safe Cold Start (Secs) |
|--------------|-------|----------------|------|------------------|-------|-------------------|------------------------|
| Full Load:   | 95,0% | Full Load:     | 0,92 | Full Load Ft/Lbs | 183,4 |                   |                        |
| 3/4 Load:    | 94,4% | 3/4 Load:      | 0,90 | Locked Rotor %   | 130   |                   |                        |
| 1/2 Load:    | 93,8% | 1/2 Load:      | 0,86 | Break Down %     | 250   | 0                 | 20                     |

| Rotor Inertia Wk2 Lb-Ft2 | Max Load Inertia Wk2 Lb-Ft2 | Shaft Material | Frame Material | DE Bracket Type | ODE Bracket Type | Enclosure | NEMA Rating | Lead Wire Size |
|--------------------------|-----------------------------|----------------|----------------|-----------------|------------------|-----------|-------------|----------------|
| 16,61                    | 145                         | 1045           | Cast Iron      | Cast Iron       | Cast Iron        | TEFC      | IP55        | 5AWG           |

| Ball Bearings |      | Grease          | Mount Type | Orientation | Paint   | Sound Pressure @ 3FT | Sound Power |
|---------------|------|-----------------|------------|-------------|---------|----------------------|-------------|
| DE            | ODE  |                 |            |             |         |                      |             |
| 6314          | 6314 | Mobil PolyrexEm | Rigid      | Horizontal  | RAL6022 | 92                   | 104         |

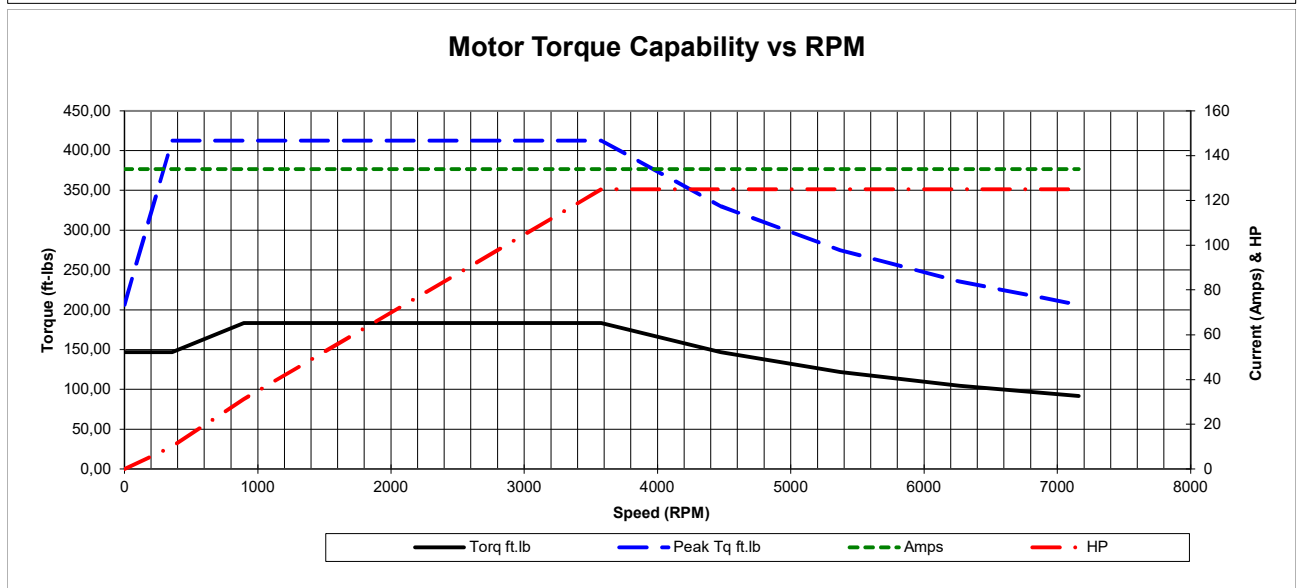
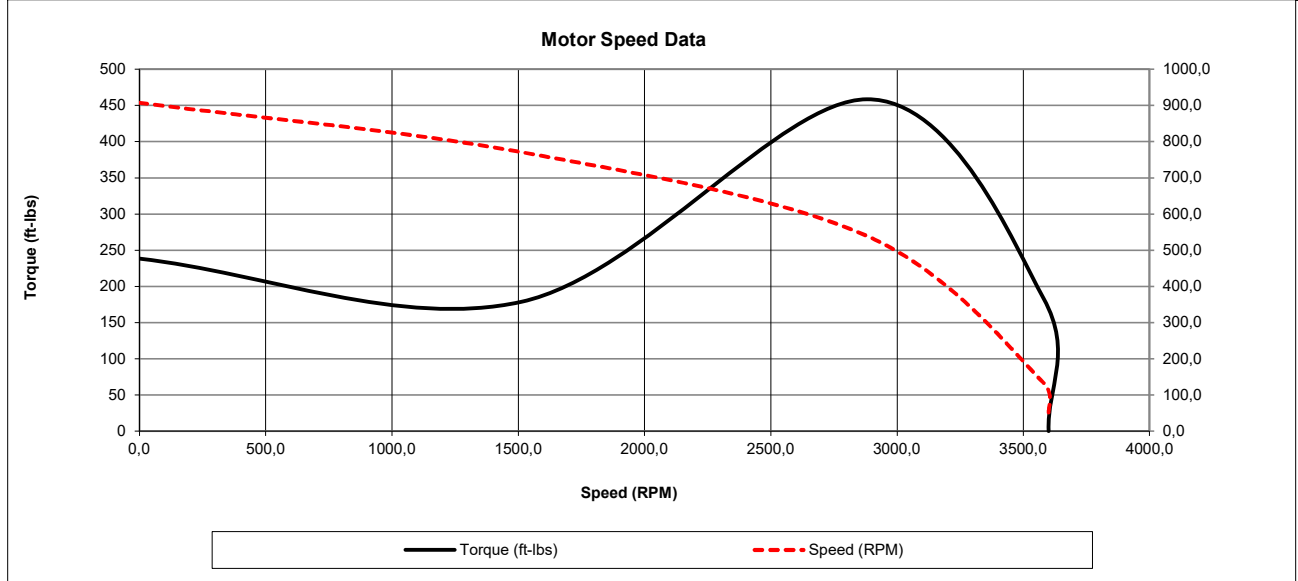
| Inverter Duty, Motor meets MG1 parts 31.4.4.2 | VFD SF | Constant Torque Range | Variable Torque Range | Constant HP RPM |
|-----------------------------------------------|--------|-----------------------|-----------------------|-----------------|
|                                               | 1,00   | 10:1                  | 20:1                  | 5400            |



Date: 2023-12-13  
 Customer: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Submittee: J.C. Lavallée

Catalogue #: MQP-81

| NEMA PREMIUM NR CAN NEMA 12 - 12 |              |         |           |            |           |                                      |        |                |                  |               |
|----------------------------------|--------------|---------|-----------|------------|-----------|--------------------------------------|--------|----------------|------------------|---------------|
| HP                               | VAC          | RPM     | Enclosure | Frame      | Frequency | Design                               | Poles  | LR Code Letter | Insulation Class | Temp. Rise °C |
| 125                              | 460          | 3580    | TEFC      | 444TS      | 60 Hz     | B                                    | 2      | G              | F                | < 80          |
|                                  | 0Hz          | 6Hz     | 15Hz      | 30Hz       | 45Hz      | 60 Hz                                | 75Hz   | 90Hz           | 105Hz            | 120Hz         |
| Amps                             | 134          | 134     | 134       | 134        | 134       | 134                                  | 134    | 134            | 134              | 134           |
| RPM                              | 0            | 358     | 895       | 1790       | 2685      | 3580                                 | 4475   | 5370           | 6265             | 7160          |
| Torq ft.lb                       | 146,70       | 146,70  | 183,38    | 183,38     | 183,38    | 183,38                               | 146,70 | 122,25         | 104,79           | 91,69         |
| Peak Tq ft.lb                    | 206,30       | 412,60  | 412,60    | 412,60     | 412,60    | 412,60                               | 330,08 | 275,07         | 235,77           | 206,30        |
| HP                               | 0            | 10,0    | 31,3      | 62,5       | 93,8      | 125,0                                | 125,0  | 125,0          | 125,0            | 125,0         |
|                                  | Locked Rotor | Pull-Up | Breakdown | Rated Load | Idle      | Duty                                 | S. F.  | Ambient        | Elevation        | dBA @ 1M      |
| Speed (RPM)                      | 0,0          | 1512    | 2880      | 3580       | 3600      | Continuous                           | 1,15   | 40°C           | 3,300 ft         | 92            |
| Current (Amps)                   | 907,0        | 771,0   | 539,7     | 134,0      | 50,9      | VFD Rating: Meets MG1 parts 31.4.4.2 |        |                |                  |               |
| Torque (ft.-lbs)                 | 238,4        | 178,8   | 458,4     | 183,4      | 0,0       | C.T.                                 | 10:1   | V.T.           | 20:1             | VFD SF 1.00   |

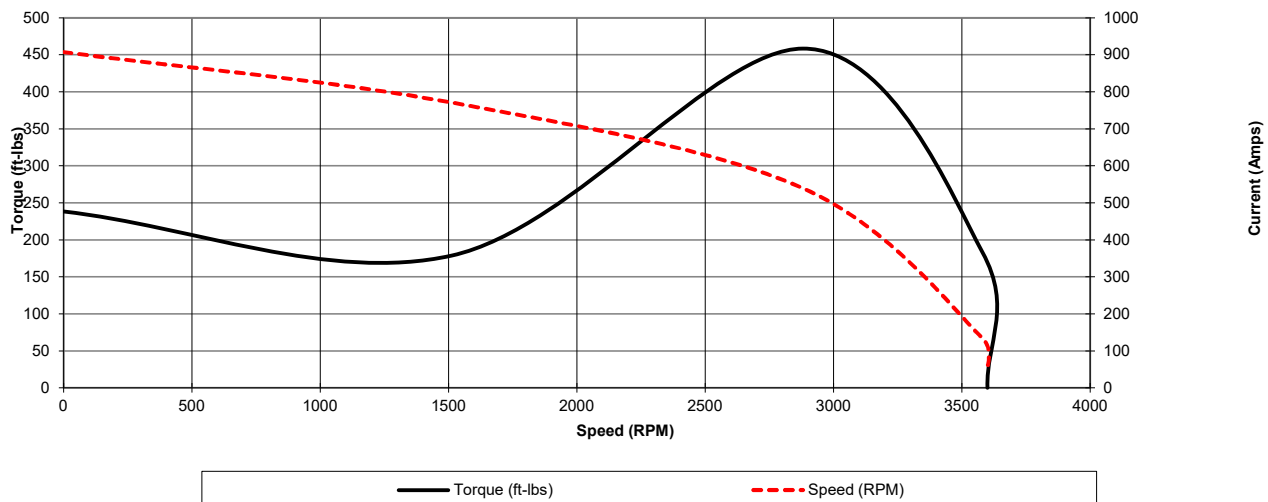


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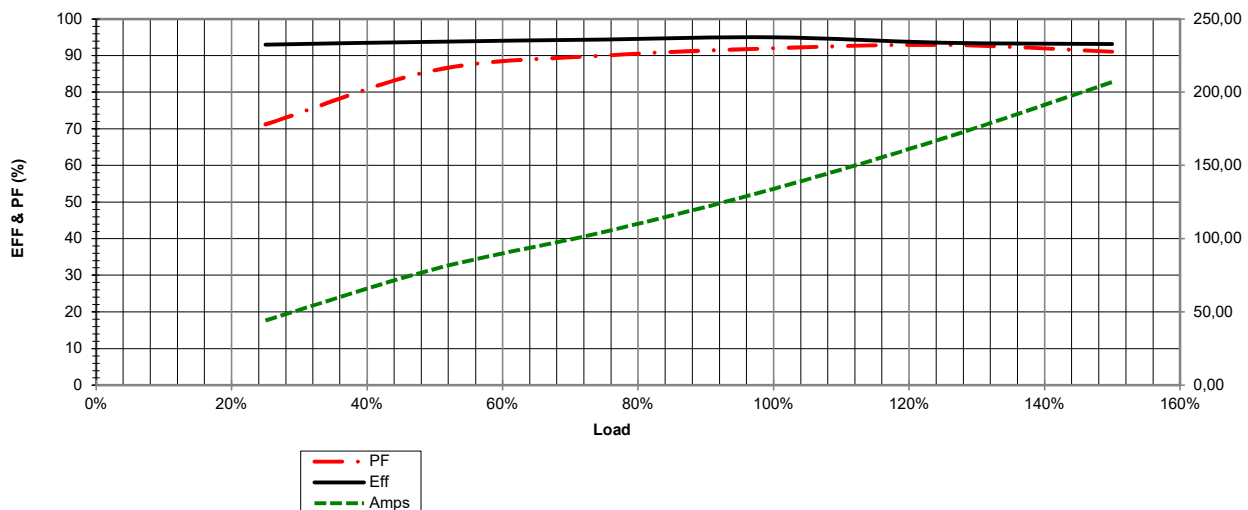
Catalogue #: MQP-81

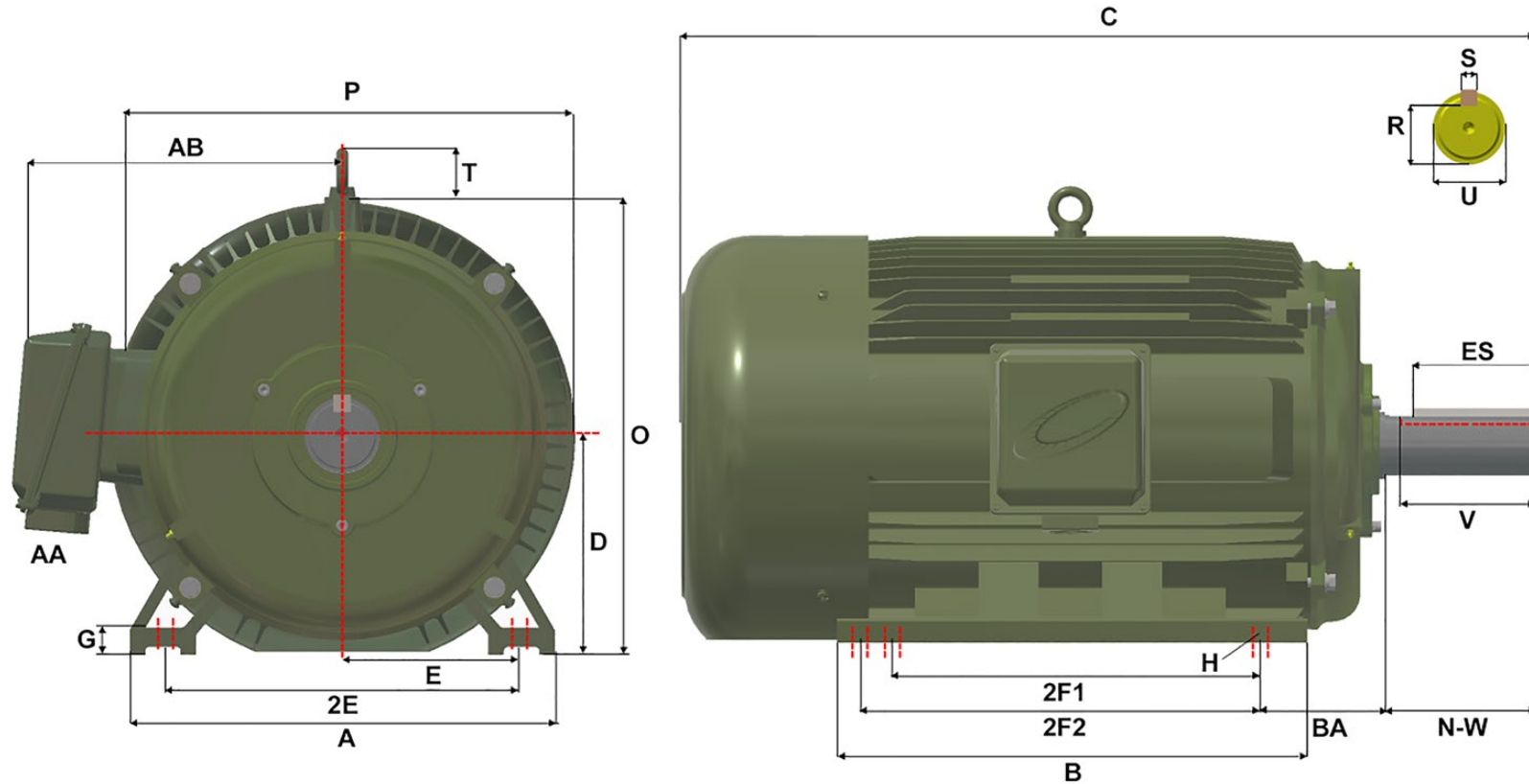
| NEMA PREMIUM NR CAN NEMA 12 - 12 |              |         |           |            |           |                                      |        |                |                  |               |
|----------------------------------|--------------|---------|-----------|------------|-----------|--------------------------------------|--------|----------------|------------------|---------------|
| HP                               | VAC          | RPM     | Enclosure | Frame      | Frequency | Design                               | Poles  | LR Code Letter | Insulation Class | Temp. Rise °C |
| 125                              | 460          | 3580    | TEFC      | 444TS      | 60 Hz     | B                                    | 2      | G              | F                | < 80          |
| Load %                           | 0%           | 25%     | 50%       | 75%        | 100%      | 125%                                 | 150%   |                |                  |               |
| Amps                             | 50,92        | 44,22   | 79,33     | 104,65     | 134,00    | 168,38                               | 206,95 |                |                  |               |
| Torq ft/lbs                      | 0            | 45,65   | 91,43     | 137,34     | 183,38    | 229,55                               | 275,84 |                |                  |               |
| RPM                              | 0            | 3595    | 3590      | 3585       | 3580      | 3575                                 | 3570   |                |                  |               |
| Eff                              | 0            | 92,94   | 93,80     | 94,40      | 95,00     | 93,51                                | 93,14  |                |                  |               |
| PF                               | 0            | 71,2    | 86        | 90         | 92        | 92,92                                | 91,08  |                |                  |               |
|                                  | Locked Rotor | Pull-Up | Breakdown | Rated Load | Idle      | Duty                                 | S. F.  | Ambient        | Elevation        | dBA @ 1M      |
| Speed (RPM)                      | 0            | 1512    | 2880      | 3580       | 3600      | Continuous                           | 1,15   | 40°C           | 3,300 ft         | 92            |
| Current (Amps)                   | 907          | 771,0   | 539,7     | 134        | 50,92     | VFD Rating: Meets MG1 parts 31.4.4.2 |        |                |                  |               |
| Torque (ft-lbs)                  | 238,39       | 178,80  | 458,45    | 183,38     | 0,0       | C.T.                                 | 10:1   | V.T.           | 20:1             | VFD SF 1.00   |

Motor Speed Data

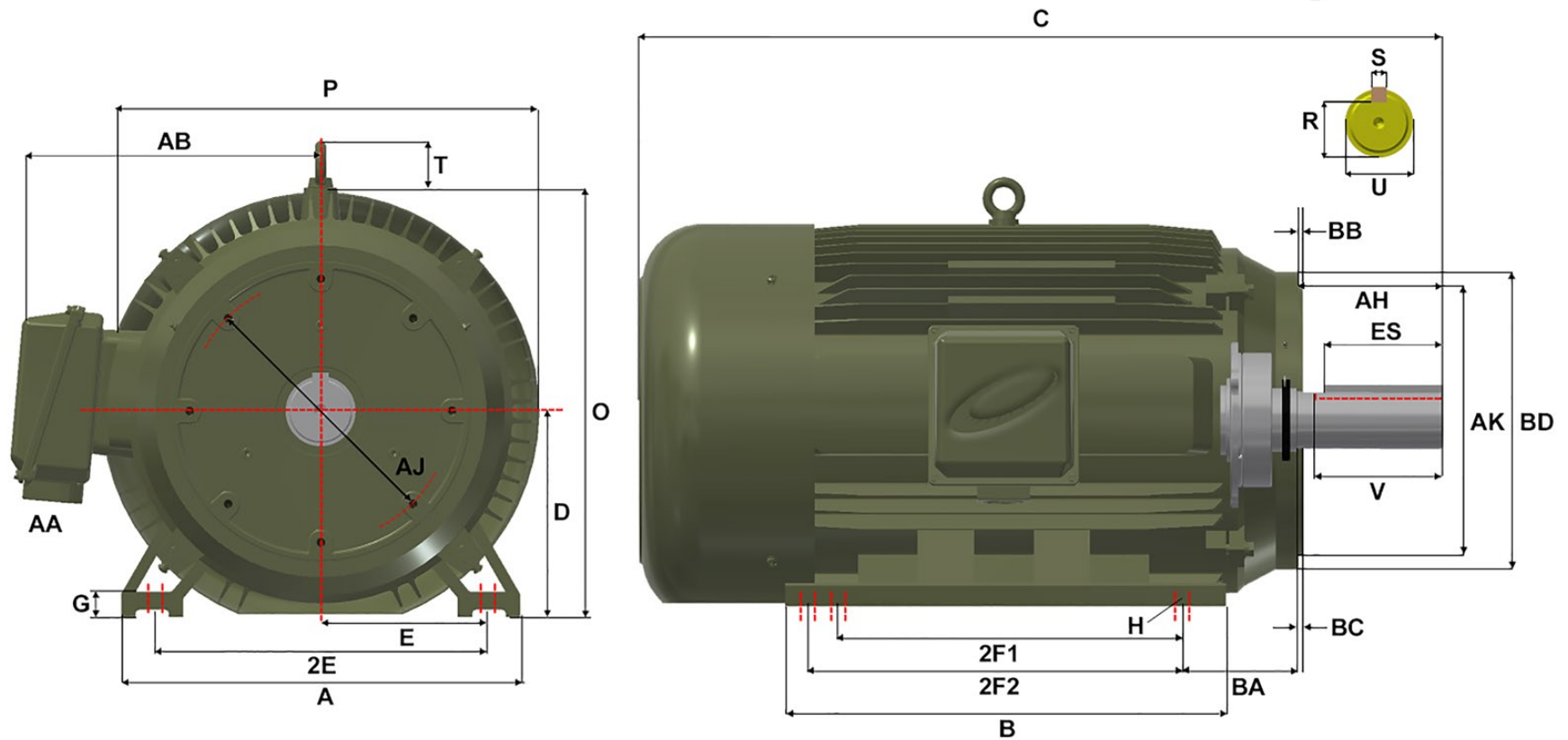


Motor Load Data

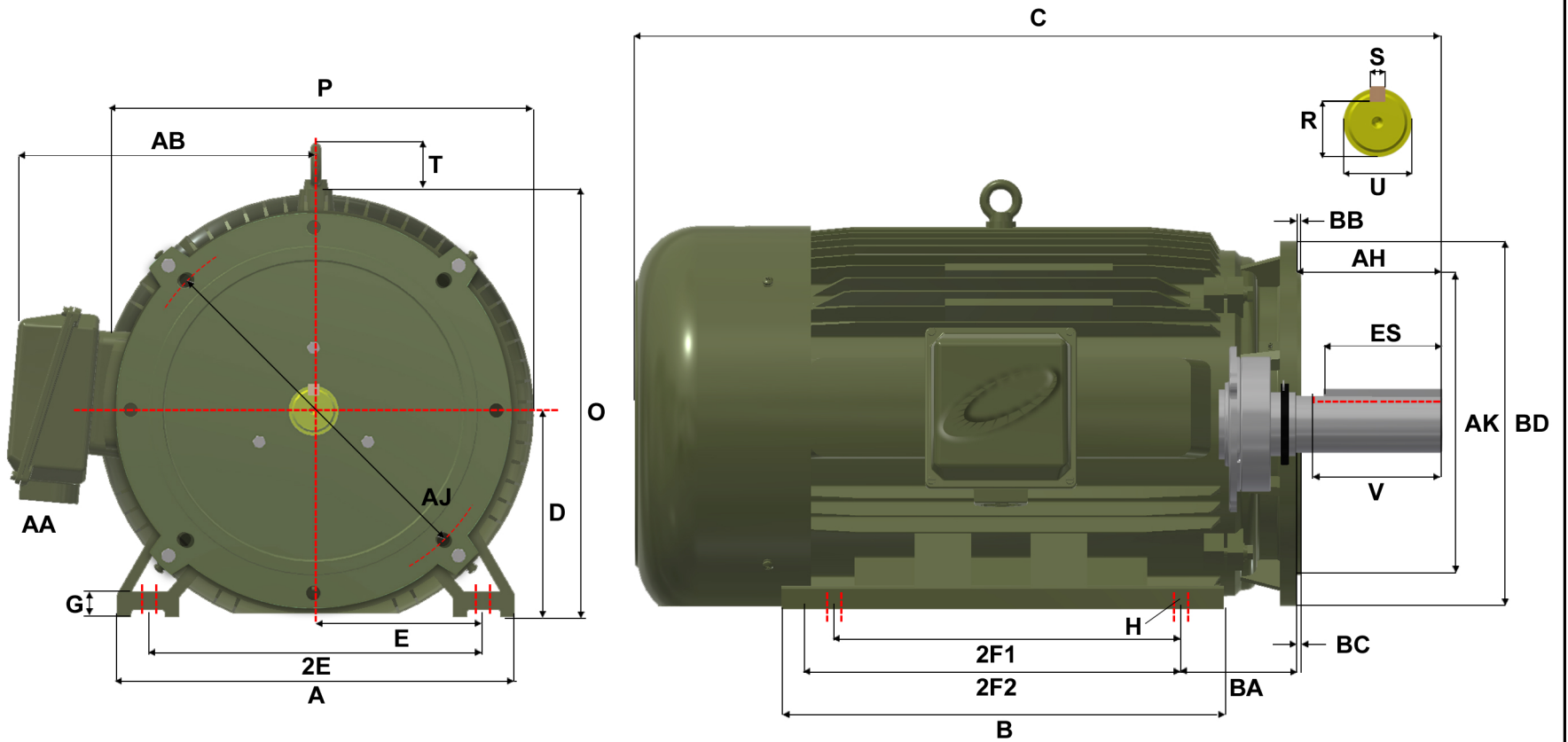




|               |       |                     |       |       |       |       |           |            |          |       |       |       |
|---------------|-------|---------------------|-------|-------|-------|-------|-----------|------------|----------|-------|-------|-------|
| Version: 2WTI |       | Revised: 08-10-2019 |       | HP    | RPM   | FRAME | ENCLOSURE | MPP/MQP-81 |          |       |       |       |
|               |       |                     |       | 125   | 3600  | 444TS | TEFC      |            |          |       |       |       |
| A             | B     | C                   | D     | E     | 2E    | 2F1   | 2F2       | G          | H        | O     | P     | R     |
| 21.70         | 22.90 | 40.60               | 11.00 | 9.00  | 18.00 | 14.50 | 16.50     | 1.35       | 6 X 0.81 | 23.00 | 23.40 | 2.021 |
| S             | T     | U                   | V     | AA    | AB    | BA    | ES        | N-W        |          |       |       |       |
| 0.625         | 3.00  | 2.375               | 4.50  | 3 NPT | 19.90 | 7.50  | 3.03      | 4.75       |          |       |       |       |



| Version: 2WTI                                                                                                 |       |       | Revised: 08-10-2019 |       |       | HP    | RPM   | FRAME  | ENCLOSURE | MPP/MQP-81C |       |       |       |
|---------------------------------------------------------------------------------------------------------------|-------|-------|---------------------|-------|-------|-------|-------|--------|-----------|-------------|-------|-------|-------|
| Customer is responsible in determining that MEP product will fit/perform suitably in the intended application |       |       |                     |       |       | 125   | 3600  | 444TSC | TEFC      |             |       |       |       |
| A                                                                                                             | B     | C     | D                   | E     | 2E    | 2F1   | 2F2   | G      | H         | O           | P     | R     | S     |
| 21.70                                                                                                         | 22.90 | 40.60 | 11.00               | 9.00  | 18.00 | 14.50 | 16.50 | 1.35   | 6 * 0.81  | 23.00       | 23.40 | 2.021 | 0.625 |
| T                                                                                                             | U     | V     | AA                  | AB    | AH    | AJ    | AK    | BA     | BB        | BC          | BD    | ES    |       |
| 3.00                                                                                                          | 2.375 | 4.50  | 3 NPT               | 19.90 | 4.50  | 14.00 | 16.00 | 7.50   | 0.25      | 0.25        | 18.00 | 3.03  |       |



|                                                                                                               |       |       |                     |       |       |       |       |        |           |             |       |       |       |
|---------------------------------------------------------------------------------------------------------------|-------|-------|---------------------|-------|-------|-------|-------|--------|-----------|-------------|-------|-------|-------|
| Version: 2WTI                                                                                                 |       |       | Revised: 08-10-2019 |       |       | HP    | RPM   | FRAME  | ENCLOSURE | MPP/MQP-81D |       |       |       |
| Customer is responsible in determining that MEP product will fit/perform suitably in the intended application |       |       |                     |       |       | 125   | 3600  | 444TSD | TEFC      |             |       |       |       |
| A                                                                                                             | B     | C     | D                   | E     | 2E    | 2F1   | 2F2   | G      | H         | O           | P     | R     | S     |
| 21.70                                                                                                         | 22.90 | 40.60 | 11.00               | 9.00  | 18.00 | 14.50 | 16.50 | 1.35   | 6 * 0.81  | 22.10       | 21.60 | 2.021 | 0.625 |
| T                                                                                                             | U     | V     | AA                  | AB    | AH    | AJ    | AK    | BA     | BB        | BC          | BD    | ES    |       |
| 3.00                                                                                                          | 2.375 | 4.50  | 3 NPT               | 19.00 | 4.75  | 20.00 | 18.00 | 7.50   | 0.25      | 0.00        | 22.00 | 3.03  |       |

## PREMIUM DESIGN B NEMA 12-12

CAST IRON CONSTRUCTION RIGID BASE

TEFC TOTALLY ENCLOSED FAN COOLED

MaxMotion

### Applications:

General purpose use on conveyors, compressors, pumps, fans, blowers and other industrial and process machinery working in wet and dirty environments.

MaxMotion premium high efficiency motors offer even more return on your investment when used in high cycling and long running time applications.

### Features:



**Design** - NEMA standard MG-1, Design B meets MG-1 Part 31

**Agency listings and standard** - NEMA, IEEE, CSA, CSAus, IEC, CE, NRCan

**Service Factor** - 1.25 SF 1HP to 50HP, 1.15 SF 60 HP to 300HP

**Electrical Supply** - At 60Hz: 575V and 230/460V dual rated and at 50Hz: 190/380, Frame 445T+ are only 460V or 575V

**Windings** - Highest quality Enamel coated Corona resistant inverter duty magnet wire. VPI with additional dip and bake.

**Insulation** - Non hygroscopic class F with class B temperature rise

**Voltage and frequency variation** - +/- 10% as based on two voltage points of the motor being either 230 / 460 or 333 / 575

**Bearings** - 143T to 215T are double sealed and grease filled, 254T to 449T are regreasable with brass grease nipples and retaining bearing caps. Frame 404T to 449T are with roller bearings.

**Bearing lubricant** - Frame 143T to 215T is lithium grease, -30 Deg C to 110 Deg C amb. Frame 254T+ are long life mobil Polyrex EM, -29 Deg C to 177 Deg C.

**Enclosure Protection** - Totally Enclosed Fan Cooled meeting IEC standard IP55. Factory Certified Division 2 Class I Groups A, B, C, D Class II Groups F, G. Meets Temp Code T2B.

**Mounting** - F1 Standard Assembly, Reversible to F2 Assembly

**Conduit Box** - Oversize cast iron, diagonally split. Can be rotated in 90 Deg steps. Lead separator gasket to seal conduit box from frame and gasketed cover. Grounding terminal inside conduit box and threaded conduit entry.

**Inverter duty** - Suitable for inverter application at 230V, 460V, 575V for speed ranges of 10:1 constant torque and 20:1 variable torque.

**Nameplate** - Corrosion resistant stainless steel showing all data connection diagrams and certifications

**Drain plugs** - Located at the lowest point of motor at both ends.

**Warranty** - 3 years



# PREMIUM DESIGN B NEMA 12-12

CAST IRON CONSTRUCTION RIGID BASE

TEFC TOTALLY ENCLOSED FAN COOLED



| HP    | FL RPM | VOLTS    | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | CODE | WT (Lbs) | DE BRG | ODE BRG | "C" Dimension (Inch) |
|-------|--------|----------|-------|---------|----------|-----------|------|----------|--------|---------|----------------------|
| 1     | 3515   | 230/460  | 143T  | MQP-1   | 77       | 3.5/1.75  | M    | 41       | 6205   | 6205    | 12,6                 |
|       | 3515   | 575      | 143T  | MPP-1   | 77       | 1.4       | M    | 41       | 6205   | 6205    | 12,6                 |
|       | 1745   | 230/460  | 143T  | MQP-2   | 85,5     | 3/1.5     | M    | 47       | 6205   | 6205    | 13,6                 |
|       | 1745   | 575      | 145T  | MPP-2   | 85,5     | 1.2       | M    | 47       | 6205   | 6205    | 13,6                 |
|       | 1160   | 230/460  | 145T  | MQP-3   | 82,5     | 3.6/1.8   | M    | 52       | 6205   | 6205    | 14,6                 |
|       | 1160   | 575      | 145T  | MPP-3   | 82,5     | 1.44      | M    | 52       | 6205   | 6205    | 14,6                 |
|       | 865    | 230/460  | 182T  | MQP-4   | 75,5     | 3.8/1.9   | M    | 64       | 6306   | 6306    | 16,1                 |
|       | 865    | 575      | 182T  | MPP-4   | 75,5     | 1.55      | M    | 64       | 6306   | 6306    | 16,1                 |
| 1 1/2 | 3520   | 230/460  | 143T  | MQP-6   | 84,1     | 4/2.2     | M    | 46       | 6205   | 6205    | 13,6                 |
|       | 3520   | 575      | 143T  | MPP-6   | 84,1     | 1.76      | M    | 46       | 6205   | 6205    | 13,6                 |
|       | 1750   | 230/460  | 145T  | MQP-7   | 86,5     | 4.4/2.2   | M    | 55       | 6025   | 6025    | 14,6                 |
|       | 1750   | 575      | 145T  | MPP-7   | 86,5     | 1.8       | M    | 55       | 6025   | 6025    | 14,6                 |
|       | 1175   | 230/460  | 182T  | MQP-8   | 87,5     | 4.8/2.4   | M    | 95       | 6306   | 6306    | 16,1                 |
|       | 1175   | 575      | 182T  | MPP-8   | 87,5     | 1.9       | M    | 95       | 6306   | 6306    | 16,1                 |
|       | 865    | 230/460  | 184T  | MQP-9   | 78,5     | 5.4/2.7   | M    | 64       | 6306   | 6306    | 17,1                 |
|       | 865    | 575      | 184T  | MPP-9   | 78,5     | 2.16      | M    | 64       | 6306   | 6306    | 17,1                 |
| 2     | 3510   | 230/460  | 145T  | MQP-11  | 85,5     | 5.3/2.65  | L    | 52       | 6205   | 6205    | 14,6                 |
|       | 3510   | 575      | 145T  | MPP-11  | 85,5     | 2.05      | L    | 52       | 6205   | 6205    | 14,6                 |
|       | 1745   | 230/460  | 145T  | MQP-12  | 86,5     | 6.2/3.1   | L    | 56       | 6205   | 6205    | 14,6                 |
|       | 1745   | 575      | 145T  | MPP-12  | 86,5     | 2.4       | L    | 56       | 6205   | 6205    | 14,6                 |
|       | 1180   | 230/460  | 184T  | MQP-13  | 88,5     | 5.9/2.95  | L    | 103      | 6306   | 6306    | 17,1                 |
|       | 1180   | 575      | 184T  | MPP-13  | 88,5     | 2.4       | L    | 103      | 6306   | 6306    | 17,1                 |
|       | 860    | 230/460  | 213T  | MQP-14  | 84       | 6.8/3.4   | L    | 150      | 6308   | 6308    | 18,9                 |
|       | 860    | 575      | 213T  | MPP-14  | 84       | 2.65      | L    | 150      | 6308   | 6308    | 18,9                 |
| 3     | 3485   | 230/460  | 145T  | MQP-16S | 86,5     | 7.4/3.7   | K    | 90       | 6205   | 6205    | 14,6                 |
|       | 3485   | 575      | 145T  | MPP-16S | 86,5     | 3         | K    | 90       | 6308   | 6308    | 14,6                 |
|       | 3520   | 230/460  | 182T  | MQP-16  | 86,5     | 7.4/3.7   | K    | 97       | 6306   | 6306    | 16,1                 |
|       | 3520   | 575      | 182T  | MPP-16  | 86,5     | 3         | K    | 97       | 6306   | 6306    | 16,1                 |
|       | 1760   | 230/460  | 182T  | MQP-17  | 89,5     | 7.6/4     | K    | 97       | 6306   | 6306    | 16,1                 |
|       | 1760   | 575      | 182T  | MPP-17  | 89,5     | 3.2       | K    | 97       | 6306   | 6306    | 16,1                 |
|       | 1185   | 230/460  | 213T  | MQP-18  | 89,5     | 8.4/4.2   | K    | 136      | 6308   | 6308    | 18,9                 |
|       | 1185   | 575      | 213T  | MPP-18  | 89,5     | 3.4       | K    | 136      | 6308   | 6308    | 18,9                 |
|       | 860    | 230/460  | 215T  | MQP-19  | 85,5     | 9.2/4.6   | K    | 167      | 6308   | 6308    | 20,4                 |
|       | 860    | 575      | 215T  | MPP-19  | 85,5     | 3.68      | K    | 167      | 6308   | 6308    | 20,4                 |
| 5     | 3515   | 230/460  | 184T  | MQP-21  | 88,5     | 11.6/5.8  | J    | 110      | 6306   | 6306    | 17,1                 |
|       | 3515   | 575      | 184T  | MPP-21  | 88,5     | 4.6       | J    | 110      | 6306   | 6306    | 17,1                 |
|       | 1755   | 230/460  | 184T  | MQP-22  | 89,5     | 13.6/6    | J    | 112      | 6306   | 6306    | 17,1                 |
|       | 1755   | 575      | 184T  | MPP-22  | 89,5     | 5.4       | J    | 112      | 6306   | 6306    | 17,1                 |
|       | 1180   | 230/460  | 215T  | MQP-23  | 89,5     | 14.2/7.1  | J    | 162      | 6308   | 6308    | 20,4                 |
|       | 1180   | 575      | 215T  | MPP-23  | 89,5     | 5.68      | J    | 162      | 6308   | 6308    | 20,4                 |
|       | 870    | 230/460  | 254T  | MQP-24  | 86,5     | 16/8      | J    | 286      | 6309   | 6309    | 23,2                 |
|       | 870    | 575      | 254T  | MPP-24  | 86,5     | 6.5       | J    | 286      | 6309   | 6309    | 23,2                 |
| 7.5   | 3505   | 230/460  | 184T  | MQP-26S | 86,5     | 17.6/8.8  | H    | 134      | 6306   | 6306    | 17,1                 |
|       | 3505   | 575      | 184T  | MPP-26S | 89,5     | 7         | H    | 134      | 6306   | 6306    | 17,1                 |
|       | 3530   | 230/460  | 213T  | MQP-26  | 89,5     | 17.6/8.8  | H    | 150      | 6308   | 6308    | 18,9                 |
|       | 3530   | 575      | 213T  | MPP-26  | 89,5     | 7         | H    | 150      | 6308   | 6308    | 18,9                 |
|       | 1770   | 230/460  | 213T  | MQP-27  | 91,7     | 18.4/9.2  | H    | 150      | 6308   | 6308    | 18,9                 |
|       | 1770   | 575      | 213T  | MPP-27  | 91,7     | 7.4       | H    | 150      | 6308   | 6308    | 18,9                 |
|       | 1185   | 230/460  | 254T  | MQP-28  | 91       | 20.8/10.4 | H    | 272      | 6309   | 6309    | 23,2                 |
|       | 1185   | 575      | 254T  | MPP-28  | 91       | 7.8       | H    | 272      | 6309   | 6309    | 23,2                 |
|       | 870    | 2230/460 | 256T  | MQP-29  | 86,5     | 24/11.5   | H    | 315      | 6309   | 6309    | 25                   |
|       | 870    | 575      | 256T  | MPP-29  | 86,5     | 9.6       | H    | 315      | 6309   | 6309    | 25                   |
| 10    | 3525   | 230/460  | 215T  | MQP-31  | 90,2     | 22.8/11.4 | H    | 167      | 6308   | 6308    | 20,4                 |
|       | 3525   | 575      | 215T  | MPP-31  | 90,2     | 9.1       | H    | 167      | 6308   | 6308    | 20,4                 |
|       | 1770   | 230/460  | 215T  | MQP-32  | 91,7     | 24/12     | H    | 167      | 6308   | 6308    | 20,4                 |
|       | 1770   | 575      | 215T  | MPP-32  | 91,7     | 9.6       | H    | 167      | 6308   | 6308    | 20,4                 |
|       | 1180   | 230/460  | 256T  | MQP-33  | 91       | 25.6/12.8 | H    | 293      | 6309   | 6309    | 25                   |
|       | 1180   | 575      | 256T  | MPP-33  | 91       | 10.2      | H    | 293      | 6309   | 6309    | 25                   |
|       | 885    | 230/460  | 284T  | MQP-34  | 89,5     | 31/15.5   | H    | 392      | 6311   | 6311    | 26,6                 |
|       | 885    | 575      | 284T  | MPP-34  | 89,5     | 12.5      | H    | 392      | 6311   | 6311    | 26,6                 |



# PREMIUM DESIGN B NEMA 12-12

CAST IRON CONSTRUCTION RIGID BASE

TEFC TOTALLY ENCLOSED FAN COOLED



| HP | FL RPM | VOLTS   | FRAME | CAT NO. | NOM EFF. | F.L. AMPS  | CODE | WT (Lbs) | DE BRG | ODE BRG | "C" Dimension (Inch) |
|----|--------|---------|-------|---------|----------|------------|------|----------|--------|---------|----------------------|
| 15 | 3545   | 230/460 | 215T  | MQP-36S | 91       | 34.4/17.2  | G    | 162      | 6309   | 6308    | 20,4                 |
|    | 3545   | 575     | 215T  | MPP-36S | 91       | 13.8       | G    | 162      | 6309   | 6308    | 20,4                 |
|    | 3545   | 230/460 | 254T  | MQP-36  | 91       | 34.4/17.2  | G    | 286      | 6309   | 6309    | 23,2                 |
|    | 3545   | 575     | 254T  | MPP-36  | 91       | 13.8       | G    | 286      | 6309   | 6309    | 23,2                 |
|    | 1770   | 230/460 | 254T  | MQP-37  | 92,4     | 36.4/18.2  | G    | 297      | 6309   | 6309    | 23,2                 |
|    | 1770   | 575     | 254T  | MPP-37  | 92,4     | 14.6       | G    | 297      | 6309   | 6309    | 23,2                 |
|    | 1180   | 230/460 | 284T  | MQP-38  | 91,7     | 38/19      | G    | 363      | 6311   | 6311    | 26,6                 |
|    | 1180   | 575     | 284T  | MPP-38  | 91,7     | 15.2       | G    | 363      | 6311   | 6311    | 26,6                 |
|    | 885    | 230/460 | 286T  | MQP-39  | 89,5     | 46/23      | G    | 394      | 6311   | 6311    | 28,1                 |
| 20 | 885    | 575     | 286T  | MPP-39  | 89,5     | 18.5       | G    | 394      | 6311   | 6311    | 28,1                 |
|    | 3540   | 230/460 | 256T  | MQP-41  | 91       | 46/23      | G    | 315      | 6309   | 6309    | 25                   |
|    | 3540   | 575     | 256T  | MPP-41  | 91       | 18.4       | G    | 315      | 6309   | 6309    | 25                   |
|    | 1760   | 230/460 | 256T  | MQP-42  | 93       | 48.4/24.2  | G    | 315      | 6309   | 6309    | 25                   |
|    | 1760   | 575     | 256T  | MPP-42  | 93       | 19.1       | G    | 315      | 6309   | 6309    | 25                   |
|    | 1185   | 230/460 | 284T  | MQP-43  | 91,7     | 50/25      | G    | 394      | 6311   | 6311    | 28,1                 |
|    | 1185   | 575     | 284T  | MPP-43  | 91,7     | 20         | G    | 394      | 6311   | 6311    | 28,1                 |
|    | 880    | 230/460 | 324T  | MQP-44  | 90,2     | 58/28      | G    | 444      | 6312   | 6312    | 29,8                 |
|    | 880    | 575     | 324T  | MPP-44  | 90,2     | 22.5       | G    | 444      | 6312   | 6312    | 29,8                 |
| 25 | 3540   | 230/460 | 284TS | MQP-46  | 91,7     | 57/28.5    | G    | 385      | 6311   | 6311    | 25,2                 |
|    | 3540   | 575     | 284TS | MPP-46  | 91,7     | 22.4       | G    | 385      | 6311   | 6311    | 25,2                 |
|    | 1775   | 230/460 | 284T  | MQP-47  | 93,6     | 60/30      | G    | 392      | 6311   | 6311    | 26,6                 |
|    | 1775   | 575     | 284T  | MPP-47  | 93,6     | 24         | G    | 392      | 6311   | 6311    | 26,6                 |
|    | 1185   | 230/460 | 324T  | MQP-48  | 93       | 61/30.5    | G    | 508      | 6312   | 6312    | 29,8                 |
|    | 1185   | 575     | 324T  | MPP-48  | 93       | 24.4       | G    | 508      | 6312   | 6312    | 29,8                 |
|    | 880    | 230/460 | 326T  | MQP-49  | 90,2     | 76/38      | G    | 469      | 6312   | 6312    | 31,3                 |
|    | 880    | 575     | 326T  | MPP-49  | 90,2     | 30.5       | G    | 469      | 6312   | 6312    | 31,3                 |
| 30 | 3530   | 230/460 | 286TS | MQP-51  | 91,7     | 69/34.5    | G    | 409      | 6311   | 6311    | 26,7                 |
|    | 3530   | 575     | 286TS | MPP-51  | 91,7     | 27.6       | G    | 409      | 6311   | 6311    | 26,7                 |
|    | 1775   | 230/460 | 286T  | MQP-52  | 93,6     | 70.6/35.3  | G    | 418      | 6311   | 6311    | 28,1                 |
|    | 1775   | 575     | 286T  | MPP-52  | 93,6     | 28.2       | G    | 418      | 6311   | 6311    | 28,1                 |
|    | 1185   | 230/460 | 326T  | MQP-53  | 93       | 71.8/35.9  | G    | 537      | 6312   | 6312    | 31,3                 |
|    | 1185   | 575     | 326T  | MPP-53  | 93       | 28.7       | G    | 537      | 6312   | 6312    | 31,3                 |
|    | 885    | 230/460 | 364T  | MQP-54  | 91,7     | 88/44      | G    | 607      | 6313   | 6313    | 32,5                 |
|    | 885    | 575     | 364T  | MPP-54  | 91,7     | 35         | G    | 607      | 6313   | 6313    | 32,5                 |
| 40 | 3545   | 230/460 | 324TS | MQP-56  | 92,4     | 91/45.5    | G    | 510      | 6312   | 6312    | 28,3                 |
|    | 3545   | 575     | 324TS | MPP-56  | 92,4     | 36.4       | G    | 510      | 6312   | 6312    | 28,3                 |
|    | 1780   | 230/460 | 324T  | MQP-57  | 94,1     | 93.2/46.6  | G    | 519      | 6312   | 6312    | 29,8                 |
|    | 1780   | 575     | 324T  | MPP-57  | 94,1     | 37.3       | G    | 519      | 6312   | 6312    | 29,8                 |
|    | 1188   | 230/460 | 364T  | MQP-58  | 94,1     | 100/50     | G    | 697      | 6313   | 6313    | 32,5                 |
|    | 1188   | 575     | 364T  | MPP-58  | 94,1     | 40         | G    | 697      | 6313   | 6313    | 32,5                 |
|    | 885    | 230/460 | 365T  | MQP-59  | 91,7     | 112/56     | G    | 902      | 6313   | 6313    | 33,5                 |
|    | 885    | 575     | 365T  | MPP-59  | 91,7     | 36         | G    | 902      | 6313   | 6313    | 33,5                 |
| 50 | 3545   | 230/460 | 324TS | MQP-61  | 93       | 116.2/58.1 | G    | 548      | 6312   | 6312    | 29,8                 |
|    | 3545   | 575     | 324TS | MPP-61  | 93       | 46.4       | G    | 548      | 6312   | 6312    | 29,8                 |
|    | 1780   | 230/460 | 326T  | MQP-62  | 93       | 116.2/58.1 | G    | 594      | 6312   | 6312    | 31,3                 |
|    | 1780   | 575     | 326T  | MPP-62  | 94,5     | 46.6       | G    | 594      | 6312   | 6312    | 31,3                 |
|    | 1187   | 230/460 | 364T  | MQP-63  | 94,1     | 126/63     | G    | 752      | 6313   | 6313    | 33,5                 |
|    | 1187   | 575     | 364T  | MPP-63  | 94,1     | 50         | G    | 752      | 6313   | 6313    | 33,5                 |
|    | 885    | 230/460 | 404T  | MQP-64  | 92,4     | 133/66.5   | G    | 902      | NU318  | 6314    | 33,5                 |
|    | 885    | 575     | 404T  | MPP-64  | 92,4     | 53.2       | G    | 902      | NU318  | 6314    | 33,5                 |
| 60 | 3565   | 230/460 | 364TS | MQP-66  | 93,6     | 132/66     | G    | 704      | 6313   | 6313    | 31,4                 |
|    | 3565   | 575     | 364TS | MPP-66  | 93,6     | 52.8       | G    | 704      | 6313   | 6313    | 31,4                 |
|    | 1780   | 230/460 | 364T  | MQP-67  | 95       | 139/69.5   | G    | 766      | 6313   | 6313    | 32,5                 |
|    | 1780   | 575     | 364T  | MPP-67  | 95       | 55.6       | G    | 766      | 6313   | 6313    | 32,5                 |
|    | 1190   | 230/460 | 404T  | MQP-68  | 94,5     | 140/70     | G    | 1000     | NU318  | 6314    | 38                   |
|    | 1190   | 575     | 404T  | MPP-68  | 94,5     | 56         | G    | 1000     | NU318  | 6314    | 38                   |
|    | 885    | 230/460 | 405T  | MQP-69  | 92,4     | 160/80     | G    | 1010     | NU318  | 6314    | 38                   |
|    | 885    | 575     | 405T  | MPP-69  | 92,4     | 64         | G    | 1010     | NU318  | 6314    | 38                   |



# PREMIUM DESIGN B NEMA 12-12

CAST IRON CONSTRUCTION RIGID BASE

TEFC TOTALLY ENCLOSED FAN COOLED



| HP  | FL RPM | VOLTS   | FRAME | CAT NO. | NOM EFF. | F.L. AMPS | CODE | WT (Lbs) | DE BRG | ODE BRG | "C" Dimension (Inch) |
|-----|--------|---------|-------|---------|----------|-----------|------|----------|--------|---------|----------------------|
| 75  | 3565   | 230/460 | 365TS | MQP-71  | 93,6     | 166/83    | G    | 766      | 6313   | 6313    | 31,4                 |
|     | 3565   | 575     | 365TS | MPP-71  | 93,6     | 66.5      | G    | 766      | 6313   | 6313    | 31,4                 |
|     | 1780   | 230/460 | 365T  | MQP-72  | 95,4     | 174/87    | G    | 783      | 6313   | 6313    | 33,5                 |
|     | 1780   | 575     | 365T  | MPP-72  | 95,4     | 70        | G    | 783      | 6313   | 6313    | 33,5                 |
|     | 1190   | 230/460 | 405T  | MQP-73  | 94,5     | 178/89    | G    | 1120     | NU318  | 6314    | 38                   |
|     | 1190   | 575     | 405T  | MPP-73  | 94,5     | 70        | G    | 1120     | NU318  | 6314    | 38                   |
|     | 890    | 460     | 444T  | MQP-74  | 93,6     | 194/97    | G    | 1353     | NU319  | 6318    | 44,3                 |
|     | 890    | 575     | 444T  | MPP-74  | 93,6     | 77.6      | G    | 1353     | NU319  | 6318    | 44,3                 |
| 100 | 3570   | 230/460 | 405TS | MQP-76  | 94,1     | 220/110   | G    | 1040     | 6314   | 6314    | 35                   |
|     | 3570   | 575     | 405TS | MPP-76  | 94,1     | 89        | G    | 1040     | 6314   | 6314    | 35                   |
|     | 1790   | 230/460 | 405T  | MQP-77  | 95,4     | 224/112   | G    | 1058     | NU318  | 6314    | 38                   |
|     | 1790   | 575     | 405T  | MPP-77  | 95,4     | 89.6      | G    | 1058     | NU318  | 6314    | 38                   |
|     | 1185   | 460     | 444T  | MQP-78  | 95       | 122       | G    | 1320     | NU319  | 6318    | 44,3                 |
|     | 1185   | 575     | 444T  | MPP-78  | 95       | 96        | G    | 1320     | NU319  | 6318    | 44,3                 |
|     | 890    | 460     | 445T  | MQP-79  | 93,6     | 252/126   | G    | 1373     | NU319  | 6318    | 44,3                 |
|     | 890    | 575     | 445T  | MPP-79  | 93,6     | 100.8     | G    | 1373     | NU319  | 6318    | 44,3                 |
| 125 | 3580   | 460     | 444TS | MQP-81  | 95       | 140       | G    | 1247     | 6314   | 6314    | 40,6                 |
|     | 3580   | 575     | 444TS | MPP-81  | 95       | 111       | G    | 1247     | 6314   | 6314    | 40,6                 |
|     | 1785   | 460     | 444T  | MQP-82  | 95,4     | 145       | G    | 1342     | NU319  | 6318    | 44,3                 |
|     | 1785   | 575     | 444T  | MPP-82  | 95,4     | 115       | G    | 1342     | NU319  | 6318    | 44,3                 |
|     | 1185   | 460     | 445T  | MQP-83  | 95       | 147       | G    | 1400     | NU319  | 6318    | 44,3                 |
|     | 1185   | 575     | 445T  | MPP-83  | 95       | 117.6     | G    | 1400     | NU319  | 6318    | 44,3                 |
|     | 890    | 460     | 447T  | MQP-84  | 94,1     | 158       | G    | 1680     | NU319  | 6318    | 47,8                 |
|     | 890    | 575     | 447T  | MPP-84  | 94,1     | 126.4     | G    | 1680     | NU319  | 6318    | 47,8                 |
| 150 | 3580   | 460     | 445TS | MQP-86  | 95       | 166       | G    | 1408     | 6314   | 6314    | 40,6                 |
|     | 3580   | 575     | 445TS | MPP-86  | 95       | 133       | G    | 1408     | 6314   | 6314    | 40,6                 |
|     | 1790   | 460     | 445T  | MQP-87  | 95,8     | 171       | G    | 1672     | NU319  | 6318    | 47,8                 |
|     | 1790   | 575     | 445T  | MPP-87  | 95,8     | 137       | G    | 1672     | NU319  | 6318    | 47,8                 |
|     | 1188   | 460     | 447T  | MQP-88  | 95,8     | 173       | G    | 1800     | NU319  | 6318    | 47,8                 |
|     | 1188   | 575     | 447T  | MPP-88  | 95,8     | 138       | G    | 1800     | NU319  | 6318    | 47,8                 |
|     | 890    | 460     | 449T  | MQP-89  | 94,1     | 186       | G    | 1800     | NU319  | 6318    | 52,8                 |
|     | 890    | 575     | 449T  | MPP-89  | 94,1     | 148.8     | G    | 1800     | NU319  | 6318    | 52,8                 |
| 200 | 3580   | 460     | 447TS | MQP-96  | 95,4     | 222       | G    | 2185     | 6314   | 6314    | 44,1                 |
|     | 3580   | 575     | 447TS | MPP-96  | 95,4     | 170       | G    | 2185     | 6314   | 6314    | 44,1                 |
|     | 1790   | 460     | 447T  | MQP-97  | 96,2     | 220       | G    | 2260     | NU319  | 6318    | 47,8                 |
|     | 1790   | 575     | 447T  | MPP-97  | 96,2     | 176       | G    | 2260     | NU319  | 6318    | 47,8                 |
|     | 1188   | 460     | 449T  | MQP-98  | 95,8     | 220       | G    | 3100     | NU319  | 6318    | 52,8                 |
|     | 1188   | 575     | 449T  | MPP-98  | 95,8     | 184       | G    | 3100     | NU319  | 6318    | 52,8                 |
| 250 | 3580   | 460     | 449TS | MQP-101 | 95,8     | 266       | G    | 2700     | 6314   | 6314    | 49,1                 |
|     | 3580   | 575     | 449TS | MPP-101 | 95,8     | 212.6     | G    | 2700     | 6314   | 6314    | 49,1                 |
|     | 1790   | 460     | 449T  | MQP-102 | 96,2     | 275       | G    | 3100     | NU319  | 6318    | 52,8                 |
|     | 1790   | 575     | 449T  | MPP-102 | 96,2     | 220       | G    | 3100     | NU319  | 6318    | 52,8                 |
| 300 | 3580   | 460     | 449TS | MQP-106 | 95,8     | 320       | G    | 2900     | 6314   | 6314    | 49,1                 |
|     | 3580   | 575     | 449TS | MPP-106 | 95,8     | 256       | G    | 2900     | 6314   | 6314    | 49,1                 |
|     | 1790   | 460     | 449T  | MQP-107 | 96,2     | 330       | G    | 3220     | NU319  | 6318    | 52,8                 |
|     | 1790   | 575     | 449T  | MPP-107 | 96,2     | 264       | G    | 3220     | NU319  | 6318    | 52,8                 |

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