

PERFORMANCE DATA SHEET NEMA PREMIUM NR CAN NEMA 12 - 12

Catalogue #: MPP-32

| HP | kW | Voltage | S.F. @ 60Hz | EFF. | P.F. | Frame | Design | L.R. Amps |
|----|------|---------|-------------|-------|------|-------|--------|-----------|
| 10 | 7,46 | 575 | 1,25 | 91,7% | 0,81 | 215T | B | 65 |

| 60 Hz | | | | | | | | Code | F.L. RPM |
|-------|-----|-----|-----|-----|-----|-----|--|------|----------|
| FLA | | | | | | | | | |
| 208 | 230 | 416 | 460 | 480 | 575 | 600 | | H | 1770 |
| / | / | / | / | / | 10 | / | | | |

| 50 Hz | | | | | | | | Code | F.L. RPM |
|-------|-----|-----|-------------|------------|--------------|---|---|------|----------|
| FLA | | | S.F. @ 50Hz | Efficiency | Power Factor | | | | |
| 190 | 380 | 415 | | | | / | / | / | / |
| / | / | / | / | / | / | / | / | / | / |

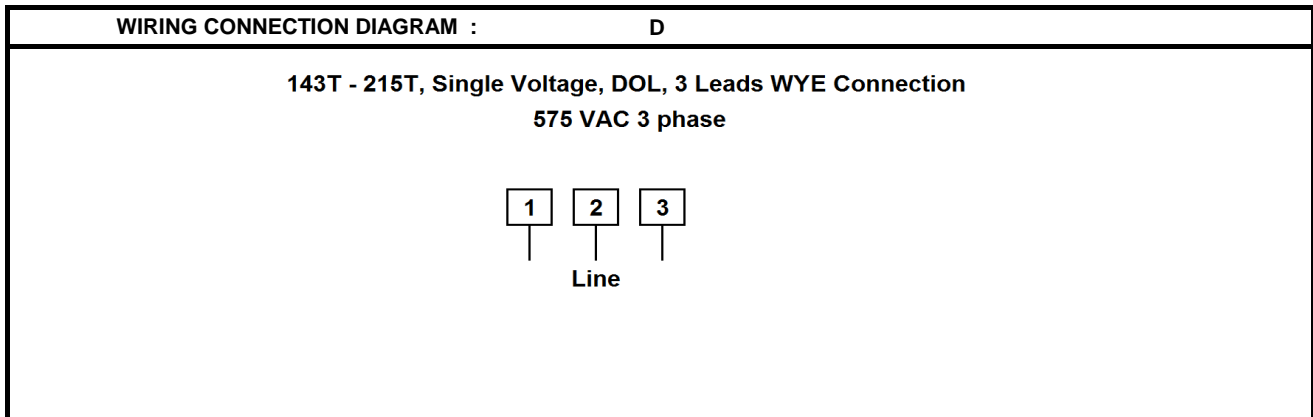
| Wgt. Lbs | PH | Duty | Insul. Class | Amb. | Elevation | Temp. Rise° C |
|----------|----|-------|--------------|------|-----------------|---------------|
| 167 | 3 | Cont. | F | 40°C | 1000M (3300 Ft) | 53 |

| % Efficiency | | % Power Factor | | Torque | | Winding Resist. Ω | Safe Cold Start (Secs) |
|--------------|-------|----------------|------|------------------|------|-------------------|------------------------|
| Full Load: | 91,7% | Full Load: | 0,81 | Full Load Ft/Lbs | 29,7 | | |
| 3/4 Load: | 91,8% | 3/4 Load: | 0,77 | Locked Rotor % | 170 | | |
| 1/2 Load: | 90,0% | 1/2 Load: | 0,67 | Break Down % | 280 | 1,65 | 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 |
|--------------------------|-----------------------------|----------------|----------------|-----------------|------------------|-----------|-------------|----------------|
| 0,71 | 75 | Standard | Cast Iron | Standard | Standard | TEFC | IP55 | 14 AWG |

| Ball Bearings | | Grease | Mount Type | Orientation | Paint | Sound Pressure @ 3FT | Sound Power |
|---------------|------|-----------------|------------|-------------|-------|----------------------|-------------|
| DE | ODE | | | | | | |
| 6308 | 6308 | Sealed Bearings | Rigid | Horizontal | Green | 69 | 79 |

| Inverter Duty. Motor meets MG1 parts 31.4.4.2 | Constant Torque Range | Variable Torque Range | Constant HP RPM |
|--|-----------------------|-----------------------|-----------------|
| | 10:1 | 20:1 | 2700 |

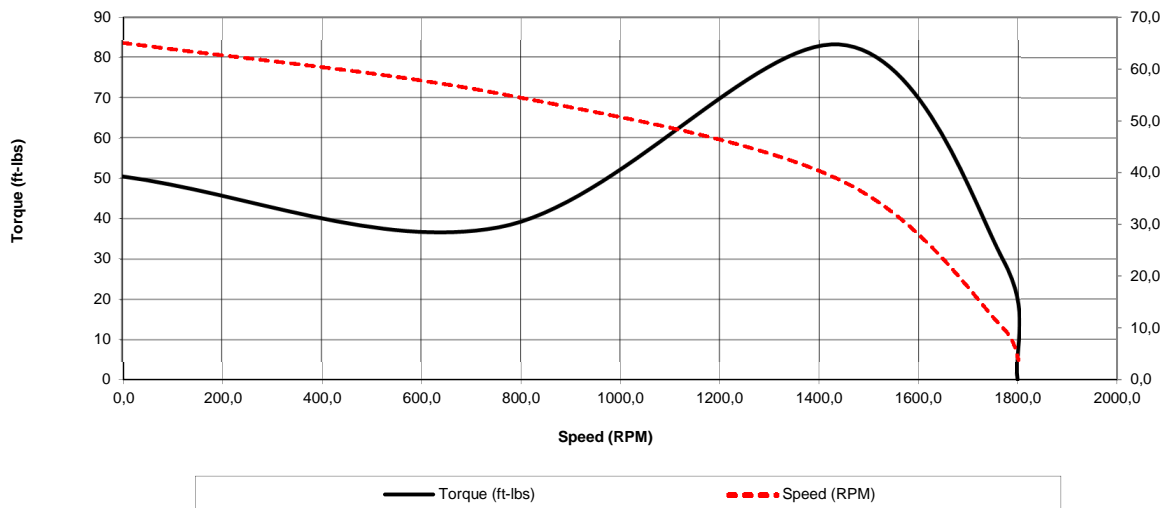


Date: 2020-02-27
 Customer: _____
 Contact: _____
 Submittee: J.C. Lavallée

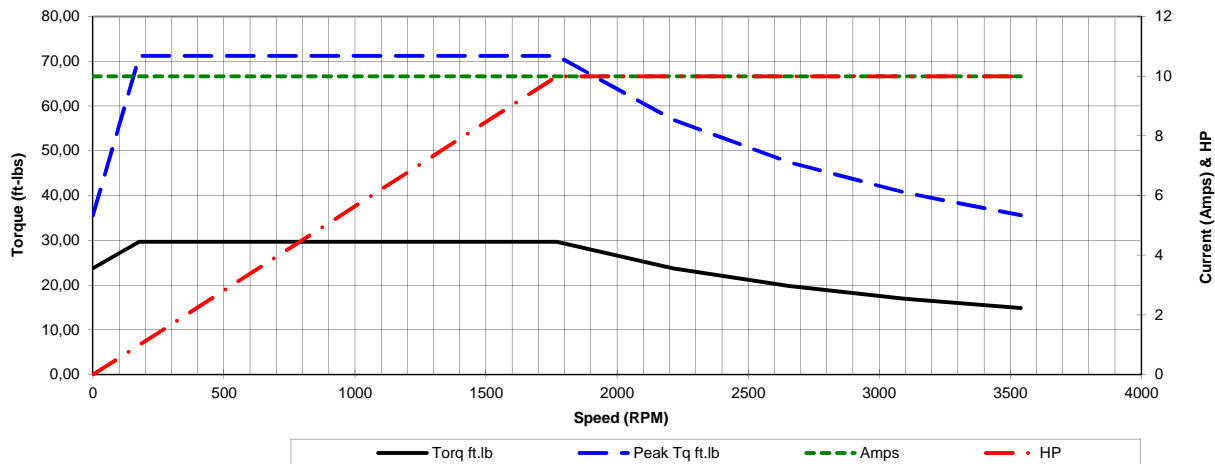
Catalogue #: **MPP-32**

| NEMA PREMIUM NR CAN NEMA 12 - 12 | | | | | | | | | | |
|----------------------------------|--------------|---------|-----------|------------|-----------|--------------------------------------|--------|----------------|------------------|---------------|
| HP | VAC | RPM | Enclosure | Frame | Frequency | Design | Poles | LR Code Letter | Insulation Class | Temp. Rise °C |
| 10 | 575 | 1770 | TEFC | 215T | 60 | B | 4 | H | F | 53 |
| | 0Hz | 6Hz | 15Hz | 30Hz | 45Hz | 60Hz | 75Hz | 90Hz | 105Hz | 120Hz |
| Amps | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| RPM | 0 | 177 | 442,5 | 885 | 1327,5 | 1770 | 2212,5 | 2655 | 3097,5 | 3540 |
| Torq ft.lb | 23,74 | 29,67 | 29,67 | 29,67 | 29,67 | 29,67 | 23,74 | 19,78 | 16,96 | 14,84 |
| Peak Tq ft.lb | 35,61 | 71,21 | 71,21 | 71,21 | 71,21 | 71,21 | 56,97 | 47,48 | 40,69 | 35,61 |
| HP | 0 | 1,0 | 2,5 | 5,0 | 7,5 | 10,0 | 10,0 | 10,0 | 10,0 | 10,0 |
| | Locked Rotor | Pull-Up | Breakdown | Rated Load | Idle | Duty | S. F. | Ambient | Elevation | dBA @ 1M |
| Speed (RPM) | 0,0 | 756 | 1440 | 1770 | 1800 | Continuous | 1,25 | 40°C | 3300 ft | 69 |
| Current (Amps) | 65,0 | 55,3 | 38,7 | 10,0 | 4,0 | VFD Rating: Meets MG1 parts 31.4.4.2 | | | | |
| Torque (ft-lbs) | 50,4 | 37,8 | 83,1 | 29,7 | 0,0 | C.T. | 10:1 | V.T. | 20:1 | |

Motor Speed Data



Motor Torque Capability vs RPM





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Catalogue #: **MPP-32**

| NEMA PREMIUM NR CAN NEMA 12 - 12 | | | | | | | | | | |
|----------------------------------|---------------------|----------------|------------------|-------------------|-------------|---|--------------|----------------|------------------|-----------------|
| HP | VAC | RPM | Enclosure | Frame | Frequency | Design | Poles | LR Code Letter | Insulation Class | Temp. Rise °C |
| 10 | 575 | 1770 | TEFC | 215T | 60 | B | 4 | H | F | 53 |
| Load % | 0% | 25% | 50% | 75% | 100% | 125% | 150% | | | |
| Amps | 4,00 | 4,46 | 5,95 | 7,80 | 10,00 | 12,27 | 14,74 | | | |
| Torq ft/lbs | 0 | 7,38 | 14,75 | 22,28 | 29,80 | 37,47 | 45,21 | | | |
| RPM | 0 | 1792,5 | 1785 | 1777,5 | 1770 | 1762,5 | 1755 | | | |
| Eff | 0 | 86,93 | 90,00 | 91,80 | 91,70 | 91,70 | 91,70 | | | |
| PF | 0 | 48,3 | 67 | 77 | 81 | 83,2 | 83,1 | | | |
| | Locked Rotor | Pull-Up | Breakdown | Rated Load | Idle | Duty | S. F. | Ambient | Elevation | dBA @ 1M |
| Speed (RPM) | 0 | 756 | 1440 | 1770 | 1800 | Continuous | 1,25 | 40°C | 3300 ft | 69 |
| Current (Amps) | 65 | 55,3 | 38,7 | 10 | 4 | VFD Rating: Meets MG1 parts 31.4.4.2 | | | | |
| Torque (ft-lbs) | 50,44 | 37,83 | 83,08 | 29,67 | 0,0 | C.T. | 10:1 | V.T. | 20:1 | |

