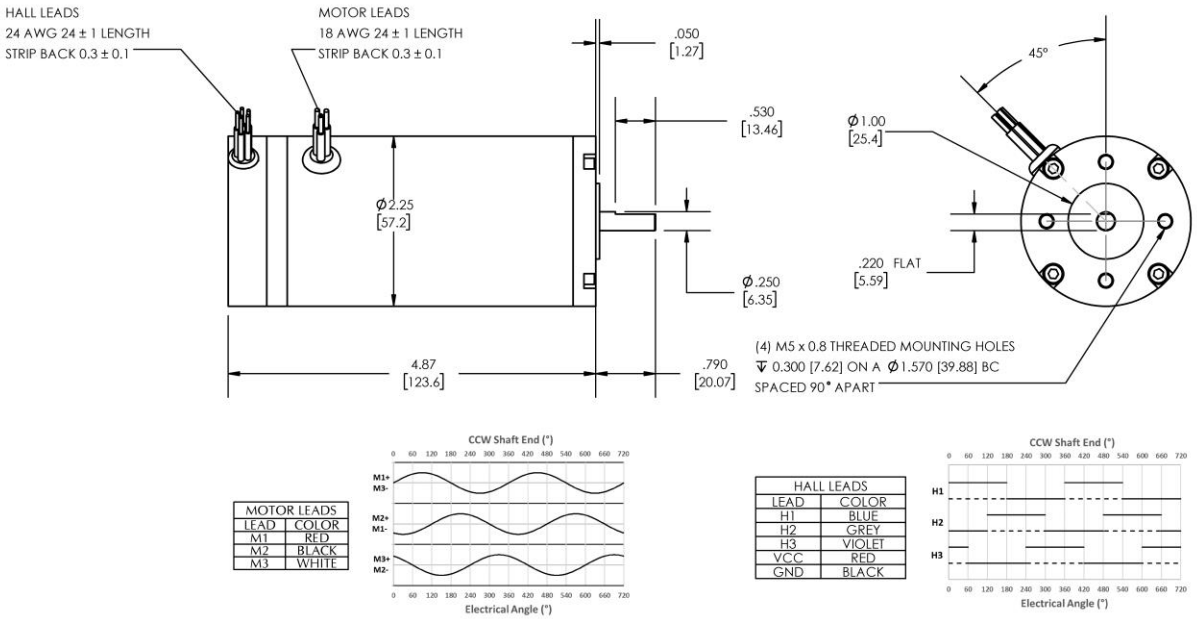
# REVERSIBLE BRUSHLESS DC MOTOR

**Model Number:**

# MMP BL58-487C-24V




| MOTOR LEADS | |
|---|---|
| LEAD | COLOR |
| M1 | RED |
| M2 | BLACK |
| M3 | WHITE |




| HALL LEADS | |
|---|---|
| LEAD | COLOR |
| H1 | BLUE |
| H2 | GREY |
| H3 | VIOLET |
| VCC | RED |
| GND | BLACK |




DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| DC MOTOR PERFORMANCE PARAMETERS: | VALUE | UNITS | TOLERANCE |
|---|---|---|---|
| Rated DC Voltage | 24 | DC VOLTS | ----- |
| Rated Continuous Current | 17.5 | AMPERES | ----- |
| No-Load Speed | 4800 | RPM | MAX |
| Rated Speed | 3677 | RPM | +/- 15% |
| Rated Continuous Power Out | 307 | WATTS | +/- 15% |
| Rated Continuous Torque | 113 | OZ-IN | ----- |
| Peak Torque (motor only) | 337 | OZ-IN | ----- |
| No-Load Current | 0.81 | AMPERES | MAX |
| Back EMF Constant (Ke) | 5.0 | V/KRPM | +/- 10% |
| Torque Constant (Kt ) | 6.8 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 0.32 | OHMS | +/- 15% |
| Armature Inductance | 0.24 | mH | +/- 15% |
| Armature temperature | 155 | DEG. C | MAX |

NOTES:

- ENCODER & BRAKE OPTIONS AVAILABLE – **FOLLOW THIS LINK FOR DETAILS**
- NEMA MOUNTING FLANGE OPTION AVAILABLE – **FOLLOW THIS LINK FOR DETAILS**