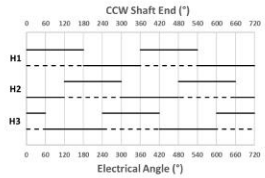
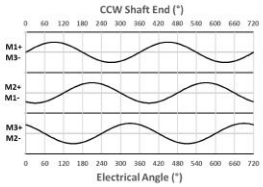
**Model Number:**

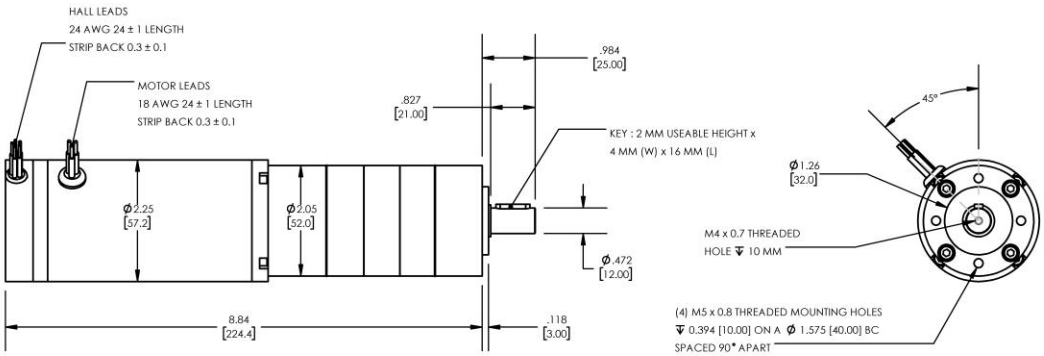
# MMP BL58-487H-60V GP52-139

| 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

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|---|---|---|---|
| Gearhead Ratio (exact) | 139.13 : 1 | | |
| Gearhead Shaft Output Speed (at full-load) | 23 | RPM | MAX |
| Gearmotor Rated Continuous Torque | 443 | In-Lbs | MAX |
| Gearmotor Rated Peak Torque | 443++ | In-Lbs | ----- |
| Gearhead Standard Backlash | 48 | Arc Minutes | MAX |
| Gearhead Efficiency | 70% | ----- | ----- |
| Output Shaft Radial Load Capacity | 102 | Lbs | MAX |
| Output Shaft Axial Load Capacity | 34 | Lbs | MAX |
| Gearmotor Total Weight | 4.6 | Lbs | MAX |

++ All Peak Torque values are dependent upon duty. Contact our sales office for details.

| DC MOTOR PERFORMANCE PARAMETERS: | VALUE | UNITS | TOLERANCE |
|---|---|---|---|
| Rated DC Voltage | 60 | DC VOLTS | ----- |
| Rated Continuous Current | 3.72 | AMPERES | ----- |
| No-Load Speed | 3846 | RPM | MAX |
| Rated Speed | 3238 | RPM | +/- 15% |
| Rated Continuous Power Out | 174 | WATTS | +/- 15% |
| Rated Continuous Torque | 73 | OZ-IN | ----- |
| Peak Torque (motor only) | 331 | OZ-IN | ----- |
| No-Load Current | 0.26 | AMPERES | MAX |
| Back EMF Constant (Ke) | 15.6 | V/KRPM | +/- 10% |
| Torque Constant (Kt ) | 21.1 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 2.55 | OHMS | +/- 15% |
| Armature Inductance | 2.40 | 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