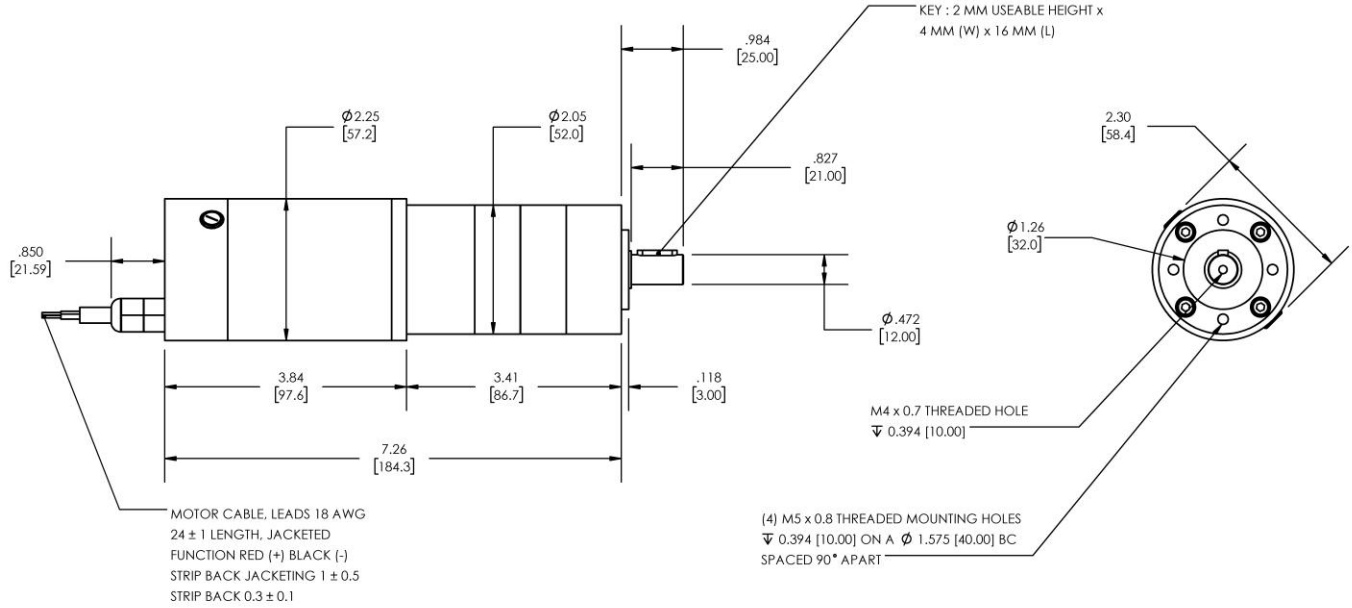
**Model Number:**

# MMP TM57-60-48V GP52-016




DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|---|---|---|---|
| Gearhead Ratio (exact) | 15.88 : 1 | | |
| Gearhead Shaft Output Speed (at full-load) | 171 | RPM | MAX |
| Gearmotor Rated Continuous Torque | 22 | In-Lbs | MAX |
| Gearmotor Rated Peak Torque | 54++ | In-Lbs | ----- |
| Gearhead Standard Backlash | 45 | Arc Minutes | MAX |
| Gearhead Efficiency | 75% | ----- | ----- |
| Output Shaft Radial Load Capacity | 72 | Lbs | MAX |
| Output Shaft Axial Load Capacity | 23 | Lbs | MAX |
| Gearmotor Total Weight | 3.8 | 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 | 48 | DC VOLTS | ----- |
| Rated Continuous Current | 2.13 | AMPERES | ----- |
| No-Load Speed | 4000 | RPM | MAX |
| Rated Speed | 2723 | RPM | +/- 15% |
| Rated Continuous Power Out | 61 | WATTS | +/- 15% |
| Rated Continuous Torque | 30 | OZ-IN | ----- |
| Peak Torque (motor only) | 72 | OZ-IN | ----- |
| No-Load Current | 0.25 | AMPERES | MAX |
| Back EMF Constant (Ke) | 12.0 | V/KRPM | +/- 10% |
| Torque Constant (Kt ) | 16.2 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 7.21 | OHMS | +/- 15% |
| Armature Inductance | 10.26 | 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