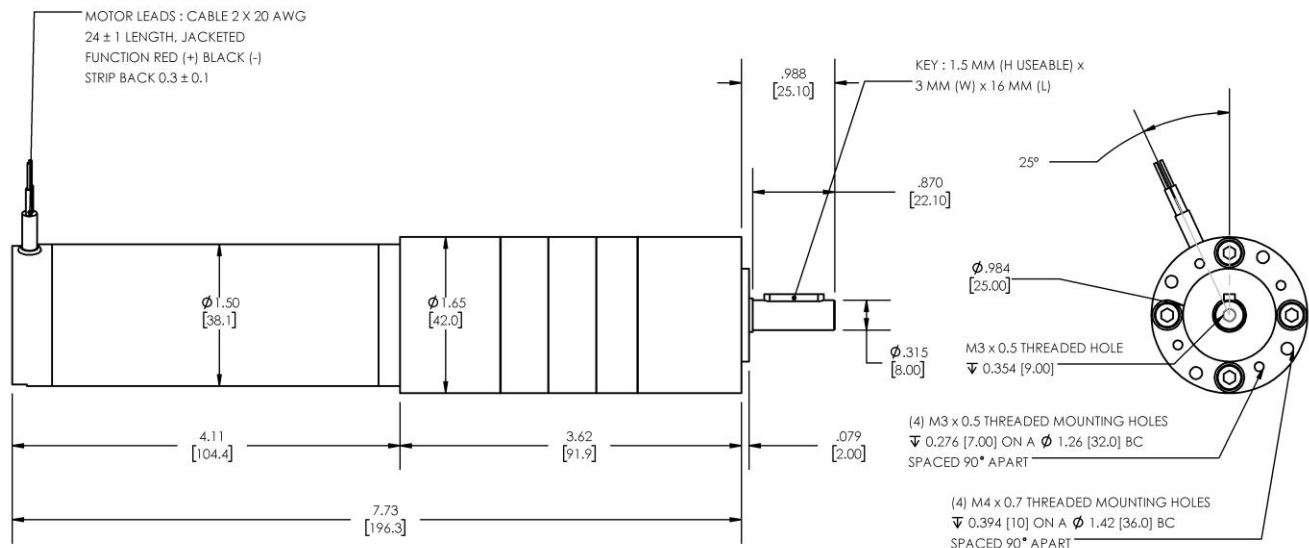


**Model Number:****MMP S17-400F-48V GP42-059**

DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|--|-----------|-------------|-----------|
| Gearhead Ratio (exact) | 58.85 : 1 | | |
| Gearhead Shaft Output Speed (at full-load) | 92 | RPM | MAX |
| Gearmotor Rated Continuous Torque | 52 | In-Lbs | MAX |
| Gearmotor Rated Peak Torque | 205++ | In-Lbs | ---- |
| Gearhead Standard Backlash | 60 | Arc Minutes | MAX |
| Gearhead Efficiency | 70% | ---- | ---- |
| Output Shaft Radial Load Capacity | 68 | Lbs | MAX |
| Output Shaft Axial Load Capacity | 25 | Lbs | MAX |
| Gearmotor Total Weight | 2.6 | 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 | 48 | DC VOLTS | ---- |
| Rated Continuous Current | 2.3 | AMPERES | ---- |
| No-Load Speed | 6676 | RPM | MAX |
| Rated Speed | 5407 | RPM | +/- 15% |
| Rated Continuous Power Out | 80 | WATTS | +/- 15% |
| Rated Continuous Torque | 20 | OZ-IN | ---- |
| Peak Torque (motor only) | 80 | OZ-IN | ---- |
| No-Load Current | 0.27 | AMPERES | MAX |
| Back EMF Constant (Ke) | 7.2 | V/KRPM | +/- 10% |
| Torque Constant (Kt) | 9.7 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 3.91 | OHMS | +/- 15% |
| Armature Inductance | 0.85 | 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](#)

MIDWEST MOTION PRODUCTS, INC**DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT**www.midwestmotion.comemail: sales@midwestmotion.com