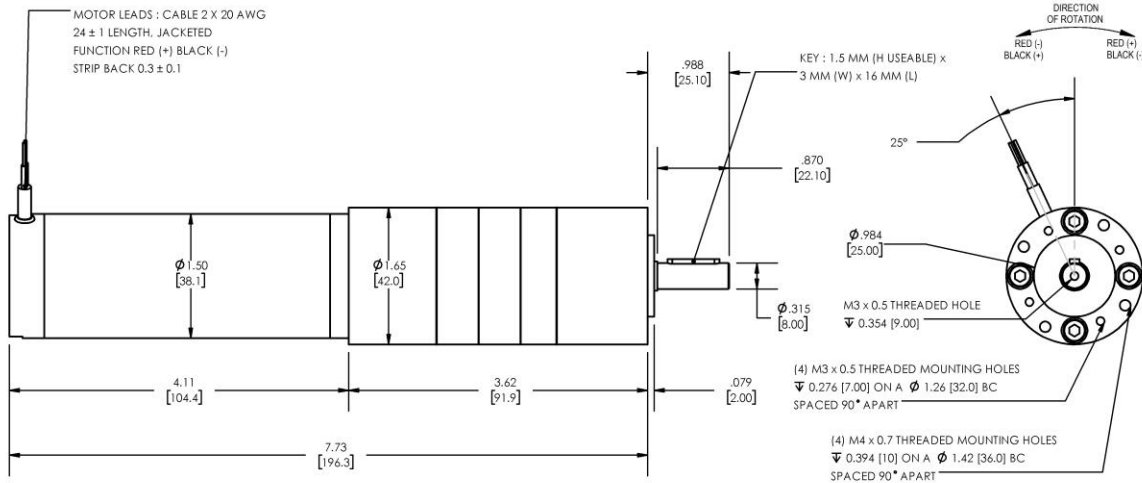


Model Number:
MMP S17-400B-12V GP42-059



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|--|--------------|-------------|-----------|
| Gearhead Ratio (exact) | 58.85 : 1 | | |
| Gearmotor Output Speed (at Cont. Torque) | 70 | RPM | +/- 15% |
| Gearmotor Rated Continuous Torque | 16 | In-Lbs | MAX |
| Gearmotor Peak Torque Capacity | 128++ | In-Lbs | MAX |
| 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 | 2.7 | Lbs | MAX |

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

| DC MOTOR PERFORMANCE PARAMETERS: | VALUE | UNITS | TOLERANCE |
|----------------------------------|-------|-----------|-----------|
| Input DC Voltage | 12 | DC VOLTS | ---- |
| No-Load Current | 0.70 | AMPERES | MAX |
| No-Load Speed | 4247 | RPM | +/- 15% |
| Rated Continuous Torque | 6.4 | OZ-IN | MAX |
| Rated Continuous Current | 2.4 | AMPERES | MAX |
| Rated Speed (at Cont. Torque) | 4101 | RPM | +/- 15% |
| Rated Continuous Power Out | 19 | WATTS | +/- 15% |
| Peak Motor Torque | 50 | OZ-IN | MAX |
| Peak Motor Current | 14.0 | AMPERES | MAX |
| Back EMF Constant (Ke) | 2.8 | V/KRPM | +/- 10% |
| Torque Constant (Kt) | 3.7 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 0.40 | OHMS | +/- 15% |
| Armature Inductance | 0.11 | mH | +/- 15% |
| Number of Motor Poles | 4 | (-) | ---- |
| Armature temperature | 155 | DEG. C | MAX |

NOTES:

1. Rated speeds may drop as the motor temperature increases. Values are stated with the motor at 25 °C.
2. All Peak Torque values are dependent upon duty. Contact our sales office for details.

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