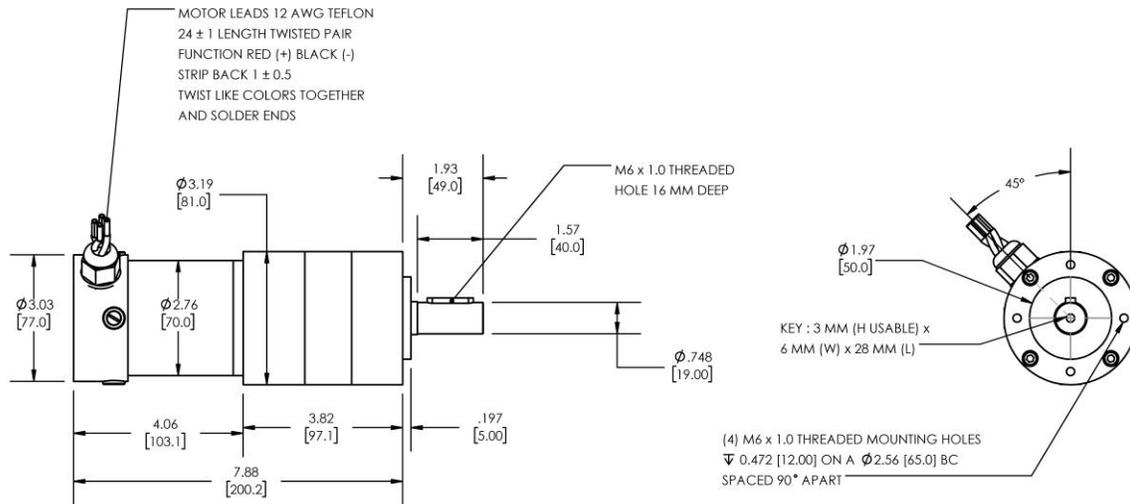


Model Number:
MMP S27-411C-12V GP81-005


DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|--------------------------------------------|--------------|-------------|-----------|
| Gearhead Ratio (exact) | 5.18 : 1 | | |
| Gearhead Shaft Output Speed (at full-load) | 465 | RPM | MAX |
| Gearmotor Rated Continuous Torque | 30 | In-Lbs | MAX |
| Gearmotor Rated Peak Torque | 108++ | In-Lbs | ---- |
| Gearhead Standard Backlash | 30 | Arc Minutes | MAX |
| Gearhead Efficiency | 80% | ---- | ---- |
| Output Shaft Radial Load Capacity | 90 | Lbs | MAX |
| Output Shaft Axial Load Capacity | 18 | Lbs | MAX |
| Gearmotor Total Weight | 7.6 | 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 | 12 | DC VOLTS | ---- |
| Rated Continuous Current | 25.7 | AMPERES | ---- |
| No-Load Speed | 3077 | RPM | MAX |
| Rated Speed | 2406 | RPM | +/- 15% |
| Rated Continuous Power Out | 206 | WATTS | +/- 15% |
| Rated Continuous Torque | 116 | OZ-IN | ---- |
| Peak Torque (motor only) | 415 | OZ-IN | ---- |
| No-Load Current | 3.79 | AMPERES | MAX |
| Back EMF Constant (Ke) | 3.9 | V/KRPM | +/- 10% |
| Torque Constant (Kt) | 5.3 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 0.10 | OHMS | +/- 15% |
| Armature Inductance | 0.06 | 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

DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT
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