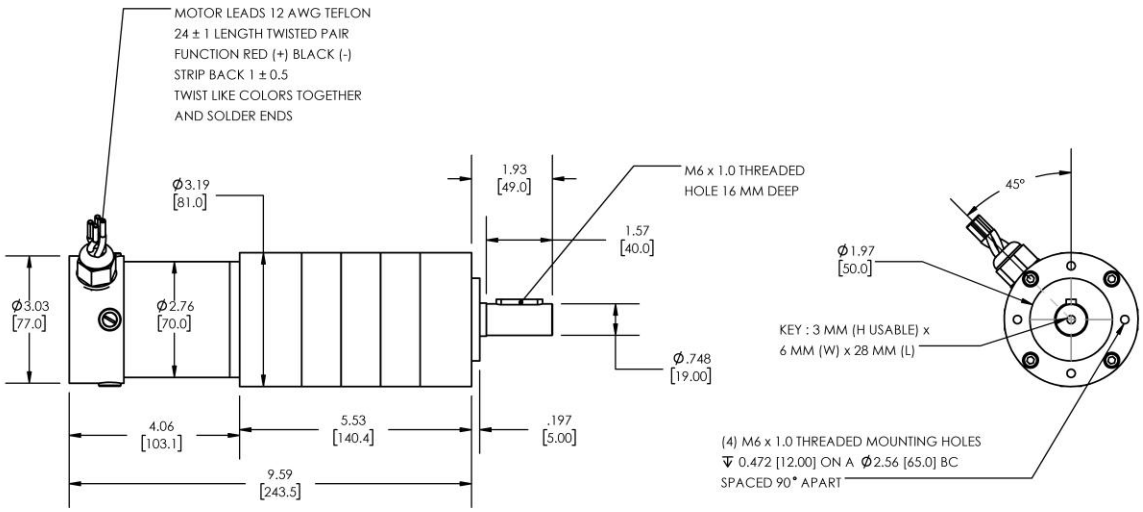
**Model Number:**

# MMP S27-411F-24V GP81-068




DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|---|---|---|---|
| Gearhead Ratio (exact) | 68.06 : 1 | | |
| Gearhead Shaft Output Speed (at full-load) | 36 | RPM | MAX |
| Gearmotor Rated Continuous Torque | 265 | In-Lbs | MAX |
| Gearmotor Rated Peak Torque | 1269++ | In-Lbs | ----- |
| Gearhead Standard Backlash | 36 | Arc Minutes | MAX |
| Gearhead Efficiency | 70% | ----- | ----- |
| Output Shaft Radial Load Capacity | 225 | Lbs | MAX |
| Output Shaft Axial Load Capacity | 45 | Lbs | MAX |
| Gearmotor Total Weight | 11 | 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 | 24 | DC VOLTS | ----- |
| Rated Continuous Current | 9.94 | AMPERES | ----- |
| No-Load Speed | 2963 | RPM | MAX |
| Rated Speed | 2458 | RPM | +/- 15% |
| Rated Continuous Power Out | 162 | WATTS | +/- 15% |
| Rated Continuous Torque | 89 | OZ-IN | ----- |
| Peak Torque (motor only) | 426 | OZ-IN | ----- |
| No-Load Current | 1.83 | AMPERES | MAX |
| Back EMF Constant (Ke) | 8.1 | V/KRPM | +/- 10% |
| Torque Constant (Kt ) | 11.0 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 0.41 | OHMS | +/- 15% |
| Armature Inductance | 0.30 | 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