

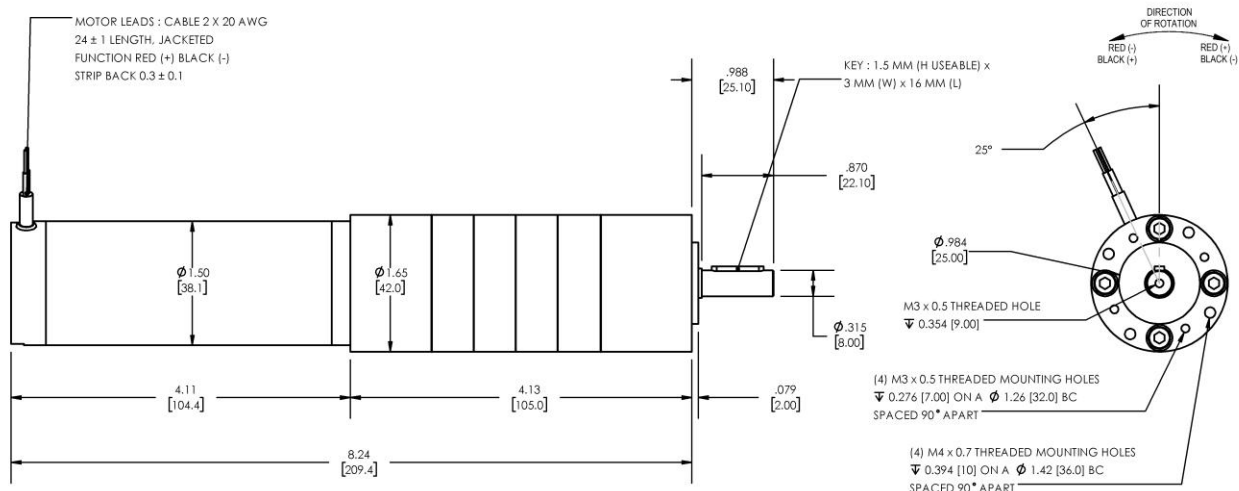


# BRUSHED DC GEARMOTOR

- REVERSIBLE, PLANETARY GEARING

**Model Number:**

**MMP S17-400A-12V GP42-1140**



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS:   | VALUE        | UNITS       | TOLERANCE |
|------------------------------------------|--------------|-------------|-----------|
| Gearhead Ratio (exact)                   | 1139.73 : 1  |             |           |
| Gearmotor Output Speed (at Cont. Torque) | 4.6          | RPM         | +/- 15%   |
| Gearmotor Rated Continuous Torque        | 266          | In-Lbs      | MAX       |
| Gearmotor Peak Torque Capacity           | <b>266++</b> | In-Lbs      | MAX       |
| Gearhead Standard Backlash               | 63           | Arc Minutes | MAX       |
| Gearhead Efficiency                      | 65%          | -----       | -----     |
| Output Shaft Radial Load Capacity        | 68           | Lbs         | MAX       |
| Output Shaft Axial Load Capacity         | 25           | Lbs         | MAX       |
| Gearmotor Total Weight                   | 3.0          | 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                  | 0.87  | AMPERES   | MAX       |
| No-Load Speed                    | 5355  | RPM       | +/- 15%   |
| Rated Continuous Torque          | 5.7   | OZ-IN     | MAX       |
| Rated Continuous Current         | 2.8   | AMPERES   | MAX       |
| Rated Speed (at Cont. Torque)    | 5235  | RPM       | +/- 15%   |
| Rated Continuous Power Out       | 22    | WATTS     | +/- 15%   |
| Peak Motor Torque                | 5.7   | OZ-IN     | MAX       |
| Peak Motor Current               | 2.8   | AMPERES   | MAX       |
| Back EMF Constant (Ke)           | 2.2   | V/KRPM    | +/- 10%   |
| Torque Constant (Kt)             | 3.0   | OZ-IN/AMP | +/- 10%   |
| DC Armature Resistance           | 0.25  | OHMS      | +/- 15%   |
| Armature Inductance              | 0.07  | mH        | +/- 15%   |
| Number of Motor Poles            | 4     | (-)       | -----     |
| Armature temperature             | 155   | DEG. C    | MAX       |

**NOTES:**

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

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[www.midwestmotion.com](http://www.midwestmotion.com)

email: [sales@midwestmotion.com](mailto:sales@midwestmotion.com)