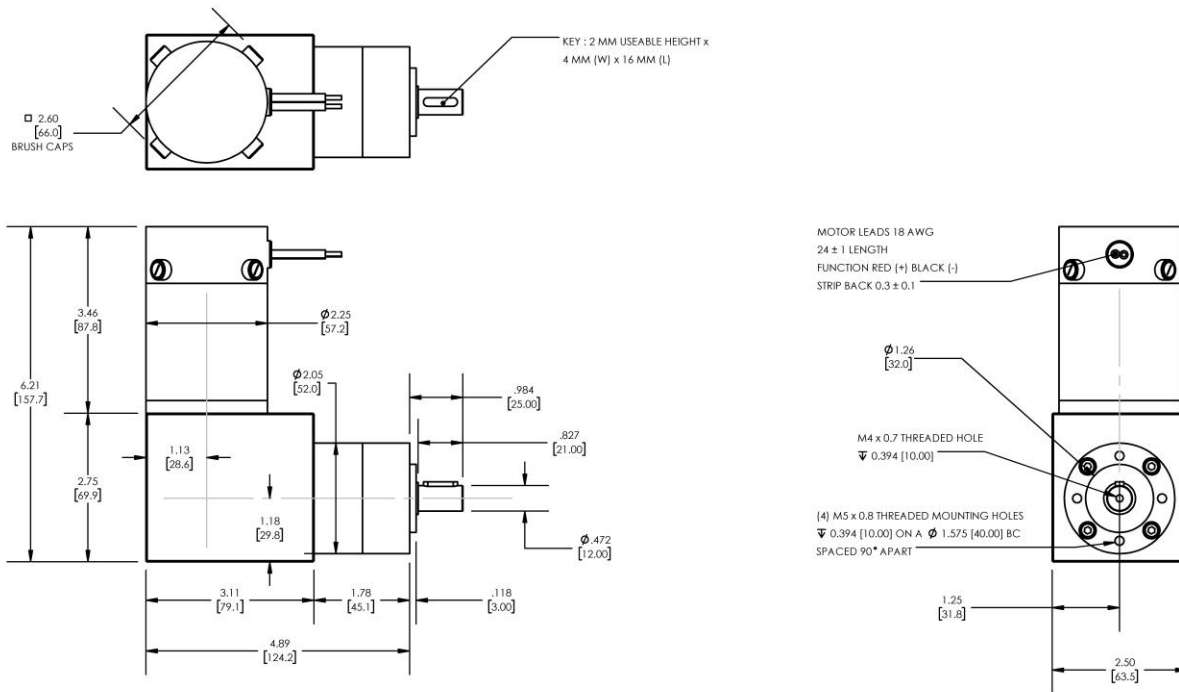




# REVERSIBLE BRUSHED DC RIGHT-ANGLED GEARMOTOR

**Model Number:**

**MMP S22-346I-48V GRA52-007**



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS:     | VALUE    | UNITS       | TOLERANCE |
|--------------------------------------------|----------|-------------|-----------|
| Gearhead Ratio (exact)                     | 6.75 : 1 |             |           |
| Gearhead Shaft Output Speed (at full-load) | 666      | RPM         | MAX       |
| Gearmotor Rated Continuous Torque          | 20       | In-Lbs      | MAX       |
| Gearmotor Rated Peak Torque                | 71++     | In-Lbs      | ----      |
| Gearhead Standard Backlash                 | 42       | Arc Minutes | MAX       |
| Gearhead Efficiency                        | 80%      | ----        | ----      |
| Output Shaft Radial Load Capacity          | 45       | Lbs         | MAX       |
| Output Shaft Axial Load Capacity           | 14       | Lbs         | MAX       |
| Gearmotor Total Weight                     | 5.2      | 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         | 5.7   | AMPERES   | ----      |
| No-Load Speed                    | 5455  | RPM       | MAX       |
| Rated Speed                      | 4495  | RPM       | +/- 15%   |
| Rated Continuous Power Out       | 196   | WATTS     | +/- 15%   |
| Rated Continuous Torque          | 59    | OZ-IN     | ----      |
| Peak Torque (motor only)         | 256   | OZ-IN     | ----      |
| No-Load Current                  | 0.71  | AMPERES   | MAX       |
| Back EMF Constant (Ke)           | 8.8   | V/KRPM    | +/- 10%   |
| Torque Constant (Kt)             | 11.9  | OZ-IN/AMP | +/- 10%   |
| DC Armature Resistance           | 1.49  | OHMS      | +/- 15%   |
| Armature Inductance              | 0.92  | 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.com](http://www.midwestmotion.com)

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