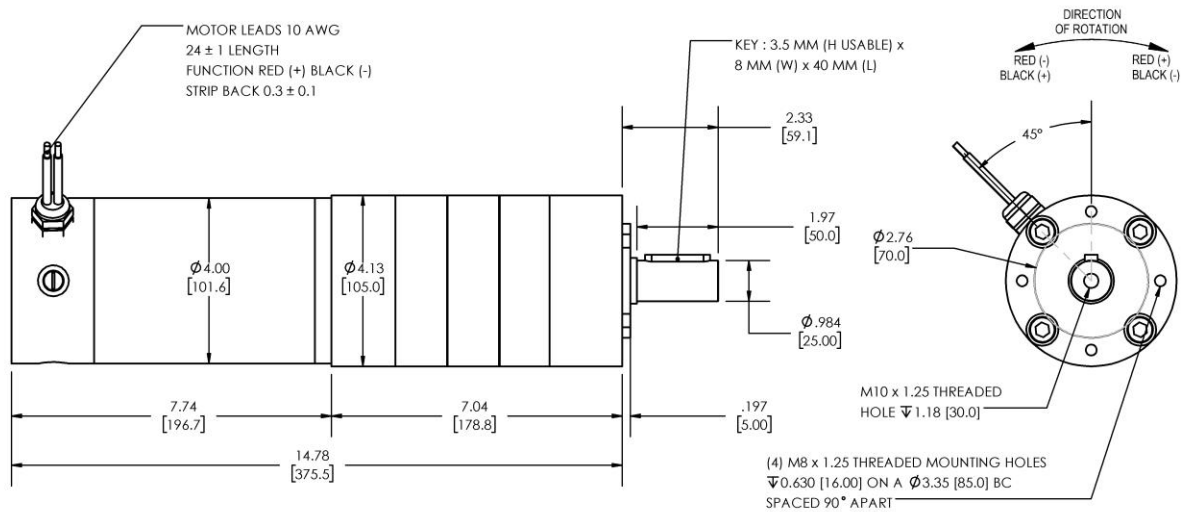




**BRUSHED DC GEARMOTOR**  
• REVERSIBLE, PLANETARY GEARING

**Model Number:**

**MMP S40-775G-36V GP105-169**



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS:   | VALUE      | UNITS       | TOLERANCE |
|------------------------------------------|------------|-------------|-----------|
| Gearhead Ratio (exact)                   | 168.84 : 1 |             |           |
| Gearmotor Output Speed (at Cont. Torque) | 9.6        | RPM         | +/- 15%   |
| Gearmotor Rated Continuous Torque        | 2585       | In-Lbs      | MAX       |
| Gearmotor Peak Torque Capacity           | 3452++     | In-Lbs      | MAX       |
| Gearhead Standard Backlash               | 39         | Arc Minutes | MAX       |
| Gearhead Efficiency                      | 70%        | -----       | -----     |
| Output Shaft Radial Load Capacity        | 338        | Lbs         | MAX       |
| Output Shaft Axial Load Capacity         | 68         | Lbs         | MAX       |
| Gearmotor Total Weight                   | 14.5       | 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                 | 36    | DC VOLTS  | -----     |
| No-Load Current                  | 1.25  | AMPERES   | MAX       |
| No-Load Speed                    | 1728  | RPM       | +/- 15%   |
| Rated Continuous Torque          | 350   | OZ-IN     | MAX       |
| Rated Continuous Current         | 13.7  | AMPERES   | MAX       |
| Rated Speed (at Cont. Torque)    | 1625  | RPM       | +/- 15%   |
| Rated Continuous Power Out       | 421   | WATTS     | +/- 15%   |
| Peak Motor Torque                | 467   | OZ-IN     | MAX       |
| Peak Motor Current               | 17.9  | AMPERES   | MAX       |
| Back EMF Constant (Ke)           | 20.7  | V/KRPM    | +/- 10%   |
| Torque Constant (Kt)             | 28.1  | OZ-IN/AMP | +/- 10%   |
| DC Armature Resistance           | 0.19  | OHMS      | +/- 15%   |
| Armature Inductance              | 0.36  | 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.

ENCODER & BRAKE OPTIONS AVAILABLE – [FOLLOW THIS LINK FOR DETAILS](#)

NEMA MOUNTING FLANGE OPTION AVAILABLE – [FOLLOW THIS LINK FOR DETAILS](#)

**MIDWEST MOTION PRODUCTS, INC**

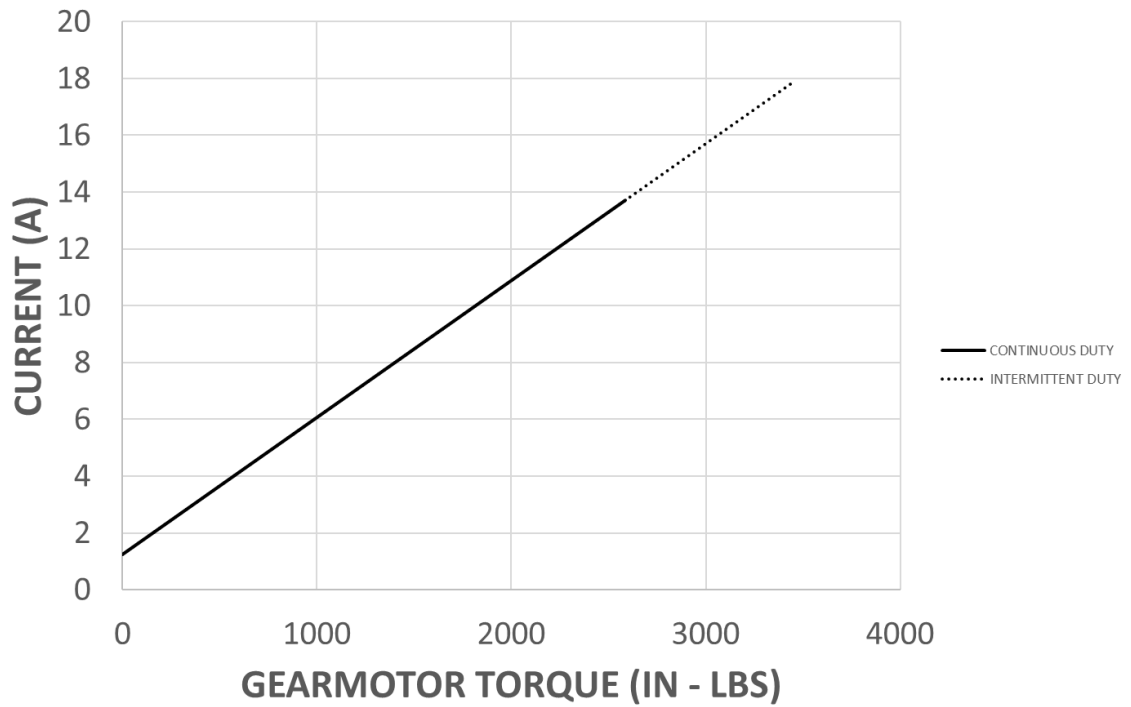
**DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT**

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

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

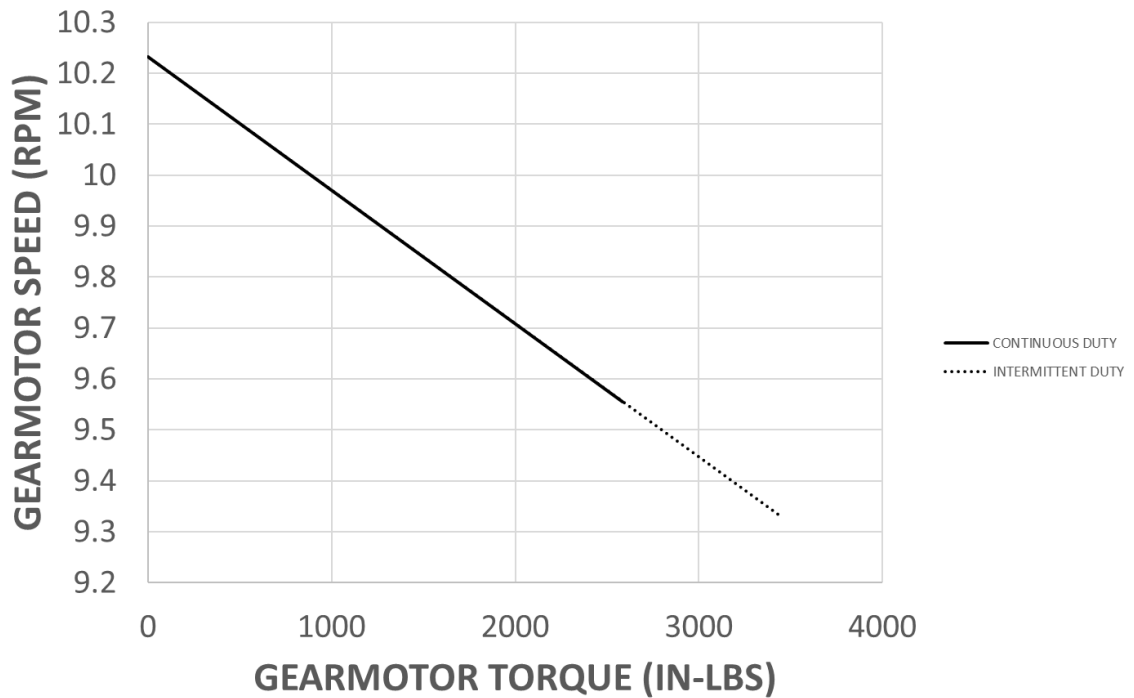
### GEARMOTOR CURRENT-TORQUE

MMP S40-775G-36V GP105-169



### GEARMOTOR SPEED-TORQUE

MMP S40-775G-36V GP105-169



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