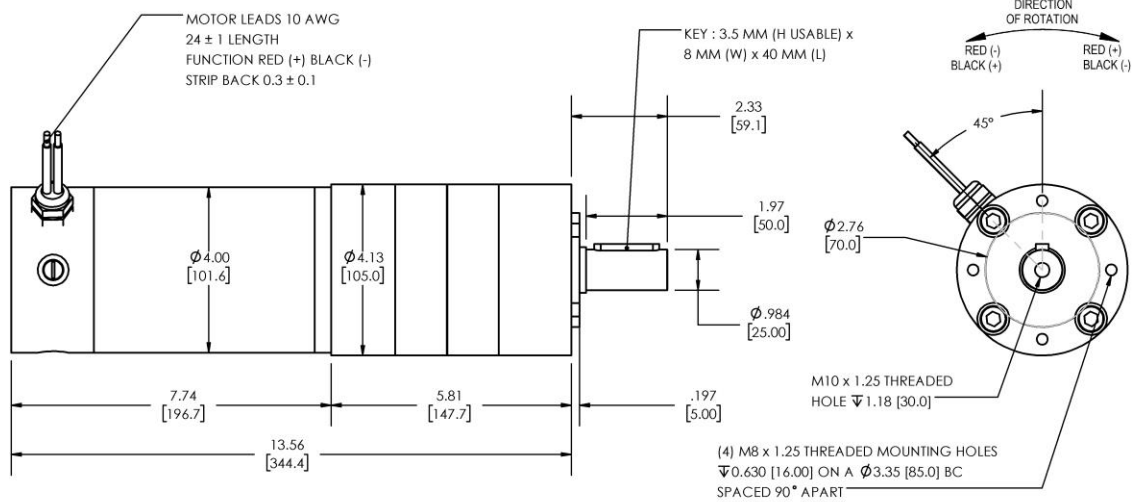




**BRUSHED DC GEARMOTOR**  
• REVERSIBLE, PLANETARY GEARING

**Model Number:**

**MMP S40-775I-90V GP105-025**



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS:   | VALUE     | UNITS       | TOLERANCE |
|------------------------------------------|-----------|-------------|-----------|
| Gearhead Ratio (exact)                   | 25.01 : 1 |             |           |
| Gearmotor Output Speed (at Cont. Torque) | 112       | RPM         | +/- 15%   |
| Gearmotor Rated Continuous Torque        | 410       | In-Lbs      | MAX       |
| Gearmotor Peak Torque Capacity           | 1859++    | In-Lbs      | MAX       |
| Gearhead Standard Backlash               | 36        | Arc Minutes | MAX       |
| Gearhead Efficiency                      | 75%       | -----       | -----     |
| Output Shaft Radial Load Capacity        | 203       | Lbs         | MAX       |
| Output Shaft Axial Load Capacity         | 41        | 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                 | 90    | DC VOLTS  | -----     |
| No-Load Current                  | 0.83  | AMPERES   | MAX       |
| No-Load Speed                    | 2867  | RPM       | +/- 15%   |
| Rated Continuous Torque          | 350   | OZ-IN     | MAX       |
| Rated Continuous Current         | 9.1   | AMPERES   | MAX       |
| Rated Speed (at Cont. Torque)    | 2796  | RPM       | +/- 15%   |
| Rated Continuous Power Out       | 724   | WATTS     | +/- 15%   |
| Peak Motor Torque                | 1586  | OZ-IN     | MAX       |
| Peak Motor Current               | 38.3  | AMPERES   | MAX       |
| Back EMF Constant (Ke)           | 31.3  | V/KRPM    | +/- 10%   |
| Torque Constant (Kt)             | 42.3  | OZ-IN/AMP | +/- 10%   |
| DC Armature Resistance           | 0.30  | OHMS      | +/- 15%   |
| Armature Inductance              | 0.79  | 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**

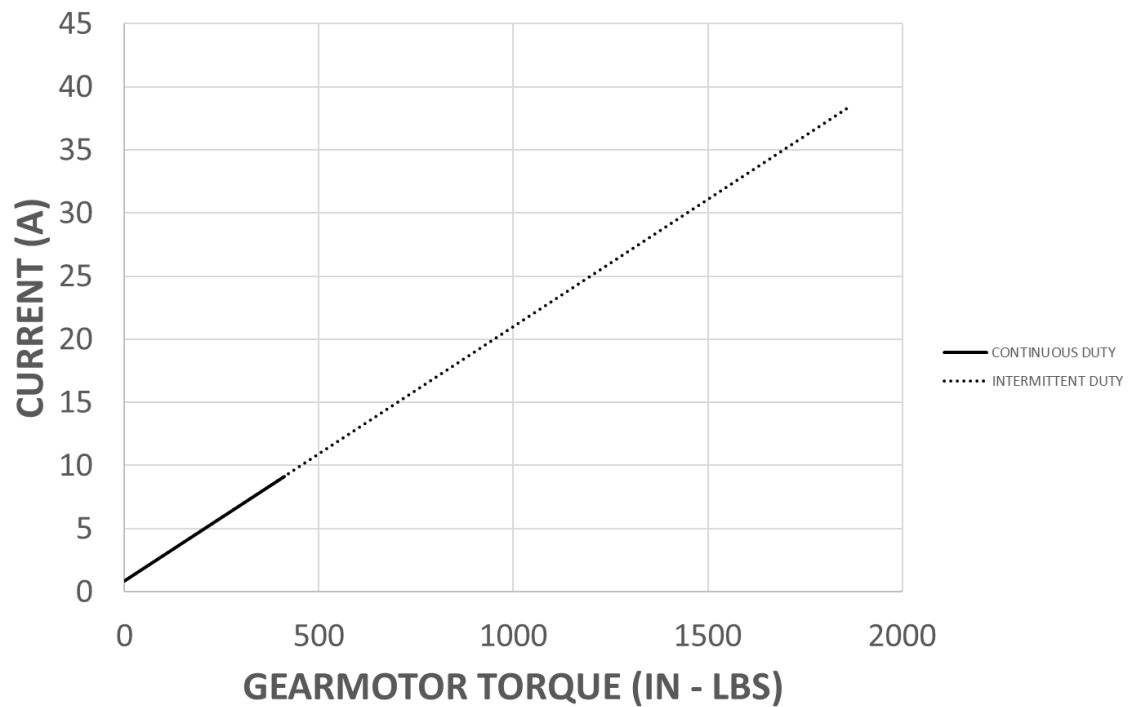
**DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT**

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

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

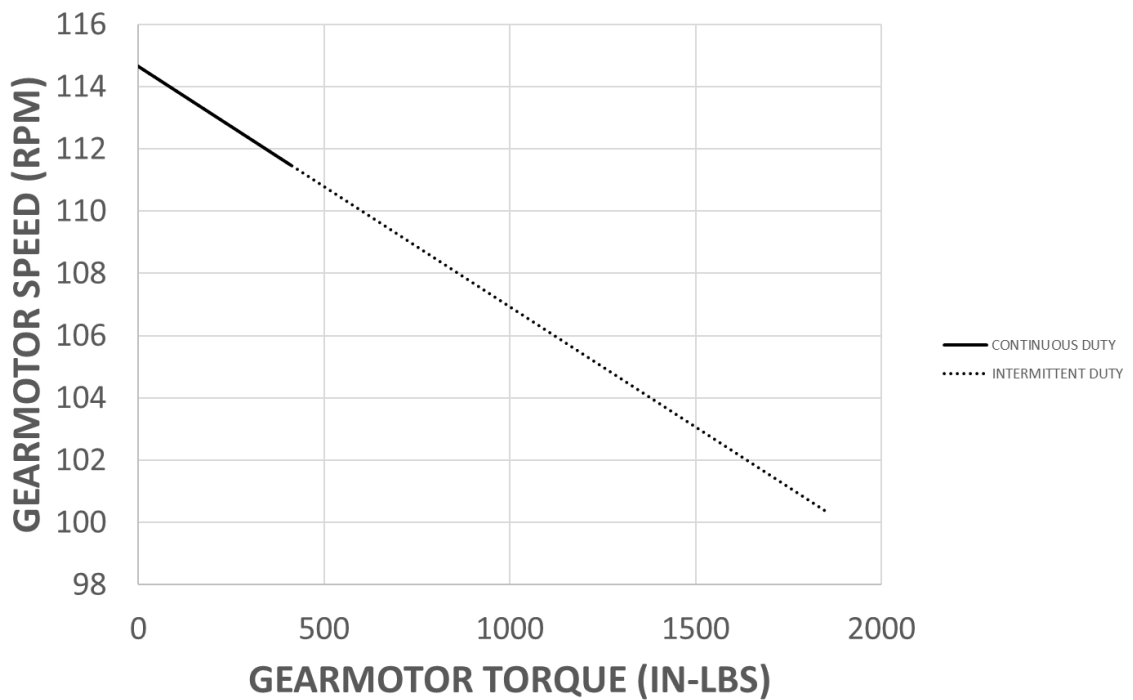
### GEARMOTOR CURRENT-TORQUE

MMP S40-775I-90V GP105-025



### GEARMOTOR SPEED-TORQUE

MMP S40-775I-90V GP105-025



**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)