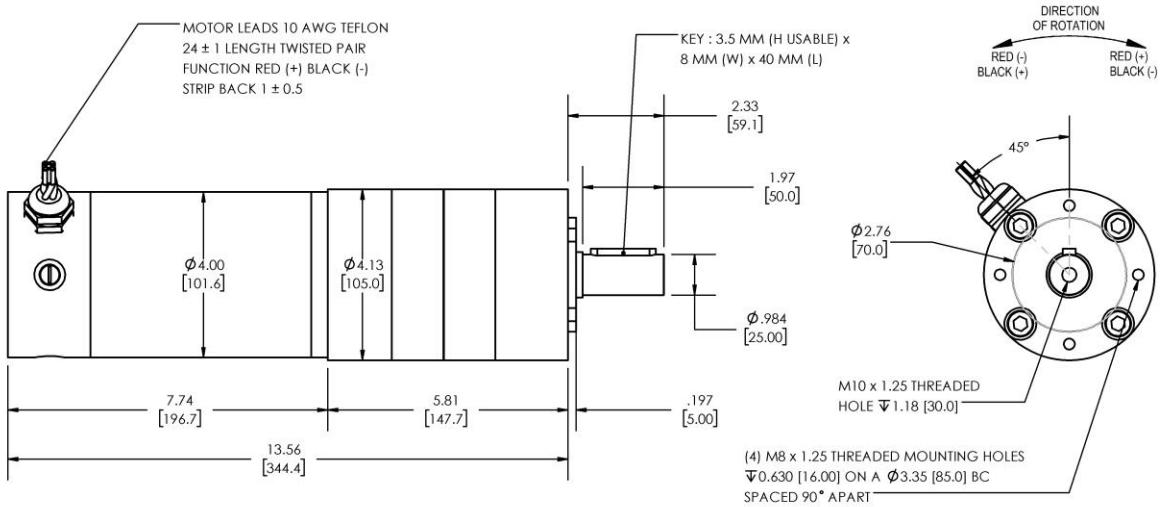
**BRUSHED DC GEARMOTOR**

- **REVERSIBLE, PLANETARY GEARING**

**Model Number:**

# MMP S40-775D-36V 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) | 132 | RPM | +/- 15% |
| Gearmotor Rated Continuous Torque | 293 | 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 |

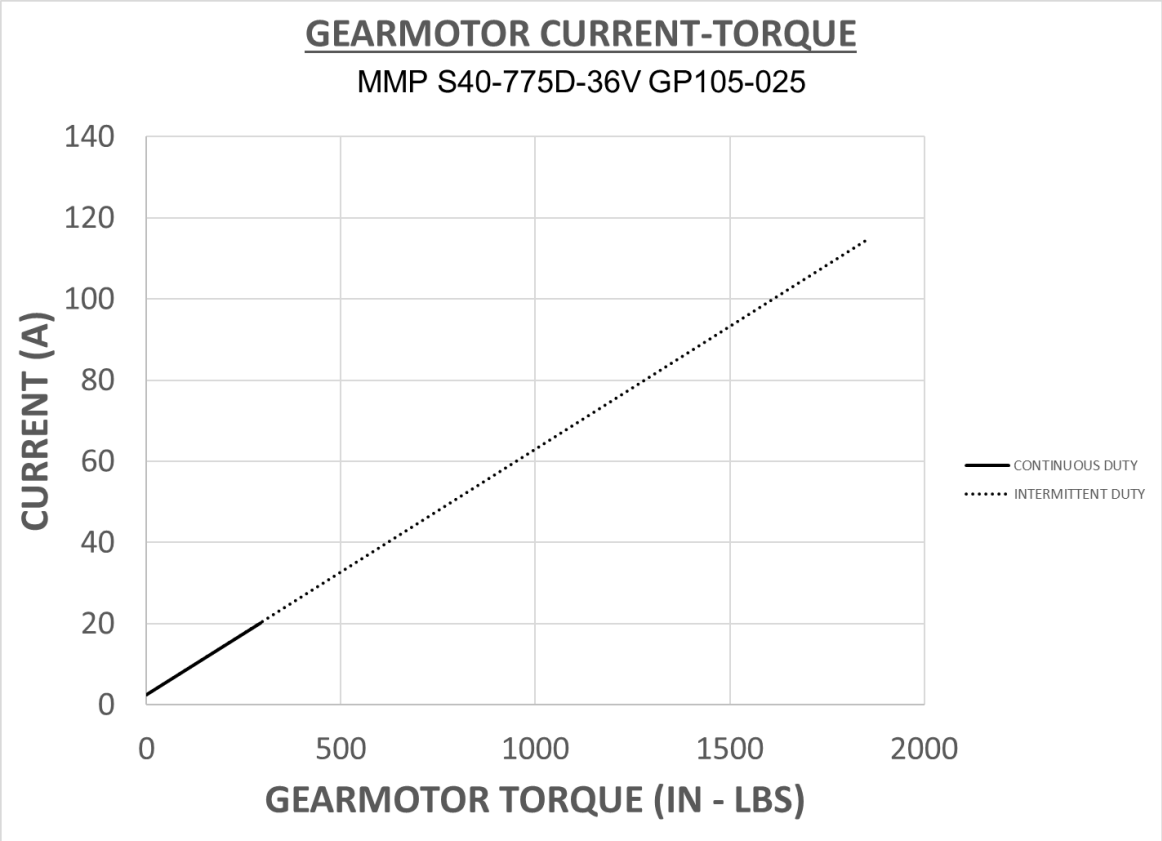
++ All Peak Torque values are dependent upon duty. Contact our sales office for details.

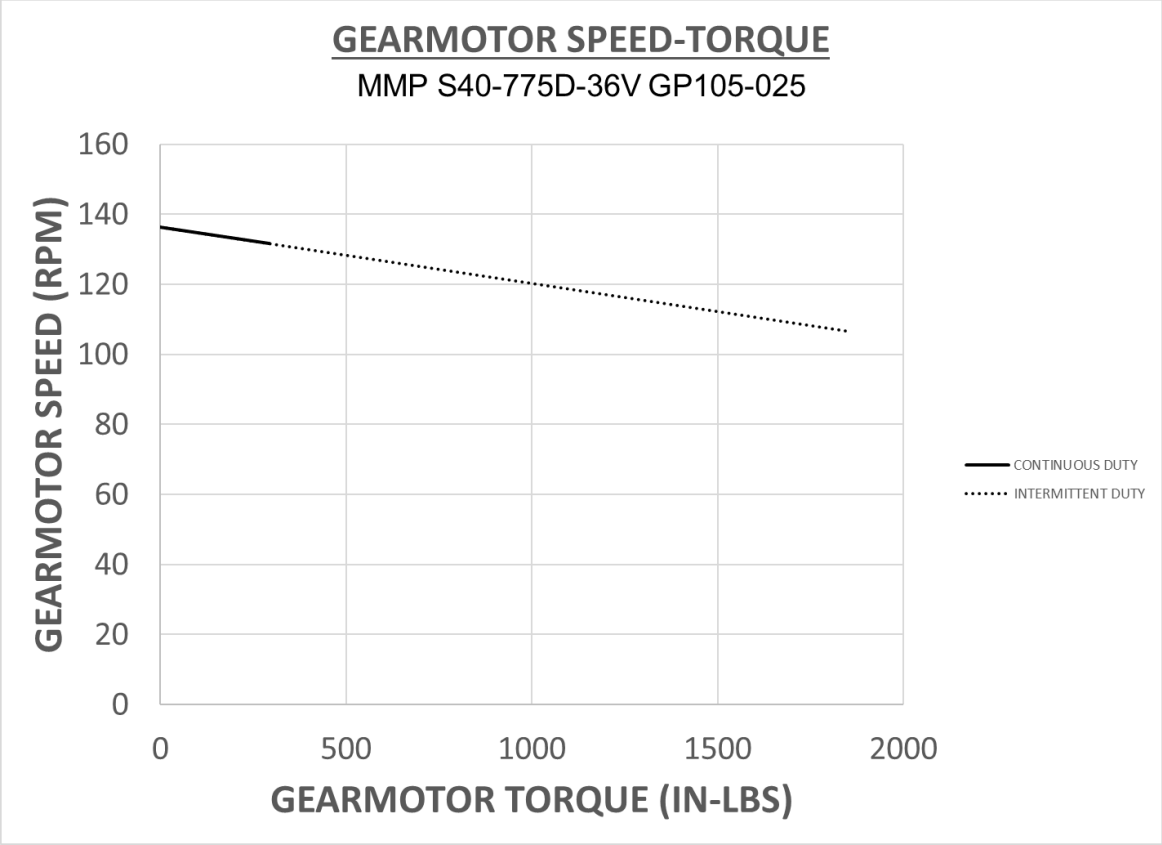
| DC MOTOR PERFORMANCE PARAMETERS: | VALUE | UNITS | TOLERANCE |
|---|---|---|---|
| Input DC Voltage | 36 | DC VOLTS | ----- |
| No-Load Current | 2.48 | AMPERES | MAX |
| No-Load Speed | 3412 | RPM | +/- 15% |
| Rated Continuous Torque | 250 | OZ-IN | MAX |
| Rated Continuous Current | 20.2 | AMPERES | MAX |
| Rated Speed (at Cont. Torque) | 3310 | RPM | +/- 15% |
| Rated Continuous Power Out | 612 | WATTS | +/- 15% |
| Peak Motor Torque | 1586 | OZ-IN | MAX |
| Peak Motor Current | 115 | AMPERES | MAX |
| Back EMF Constant (Ke) | 10.5 | V/KRPM | +/- 10% |
| Torque Constant (Kt ) | 14.1 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 0.07 | OHMS | +/- 15% |
| Armature Inductance | 0.12 | mH | +/- 15% |
| Number of Motor Poles | 4 | (-) | ----- |
| Armature temperature | 155 | DEG. C | MAX |

NOTES:

1. Rated speeds may drop as the motor temperature increases. Values are stated with the motor at 25 °C.
2. 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


GEARMOTOR CURRENT-TORQUE
MMP S40-775D-36V GP105-025
CURRENT (A)
140
120
100
80
60
40
20
0
0
500
1000
1500
2000
GEARMOTOR TORQUE (IN - LBS)
CONTINUOUS DUTY
INTERMITTENT DUTY


GEARMOTOR SPEED-TORQUE
MMP S40-775D-36V GP105-025
GEARMOTOR SPEED (RPM)
160
140
120
100
80
60
40
20
0
0
500
1000
1500
2000
GEARMOTOR TORQUE (IN-LBS)
CONTINUOUS DUTY
INTERMITTENT DUTY