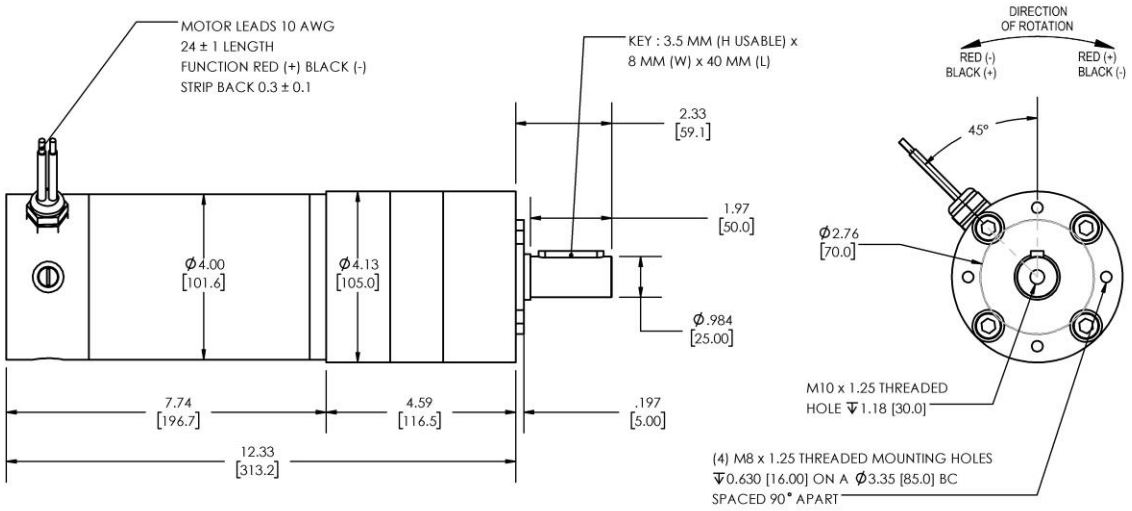
BRUSHED DC GEARMOTOR

- **REVERSIBLE, PLANETARY GEARING**

Model Number:

MMP S40-775I-48V GP105-03.7



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	3.70 : 1		
Gearmotor Output Speed (at Cont. Torque)	393	RPM	+/- 15%
Gearmotor Rated Continuous Torque	65	In-Lbs	MAX
Gearmotor Peak Torque Capacity	557++	In-Lbs	MAX
Gearhead Standard Backlash	33	Arc Minutes	MAX
Gearhead Efficiency	80%	-----	-----
Output Shaft Radial Load Capacity	135	Lbs	MAX
Output Shaft Axial Load Capacity	27	Lbs	MAX
Gearmotor Total Weight	14.5	Lbs	MAX

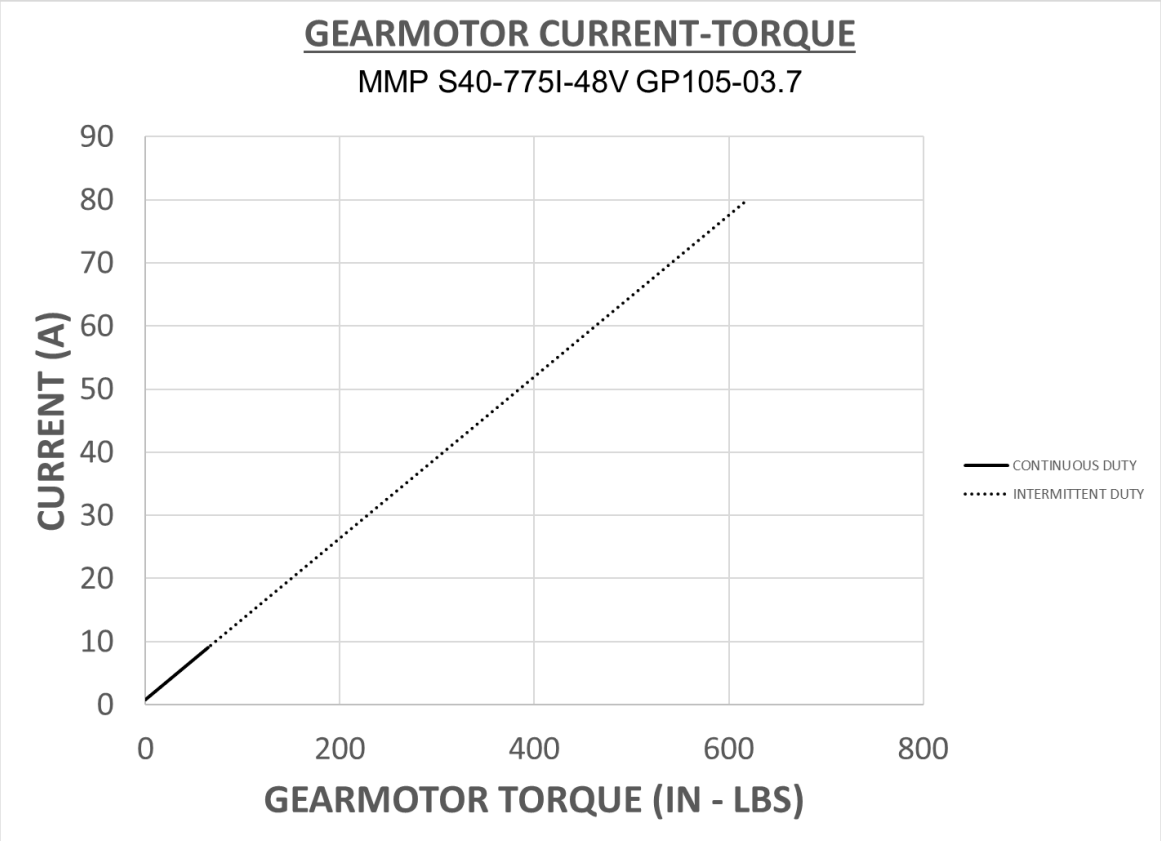
++ All Peak Torque values are dependent upon duty. Contact our sales office for details.

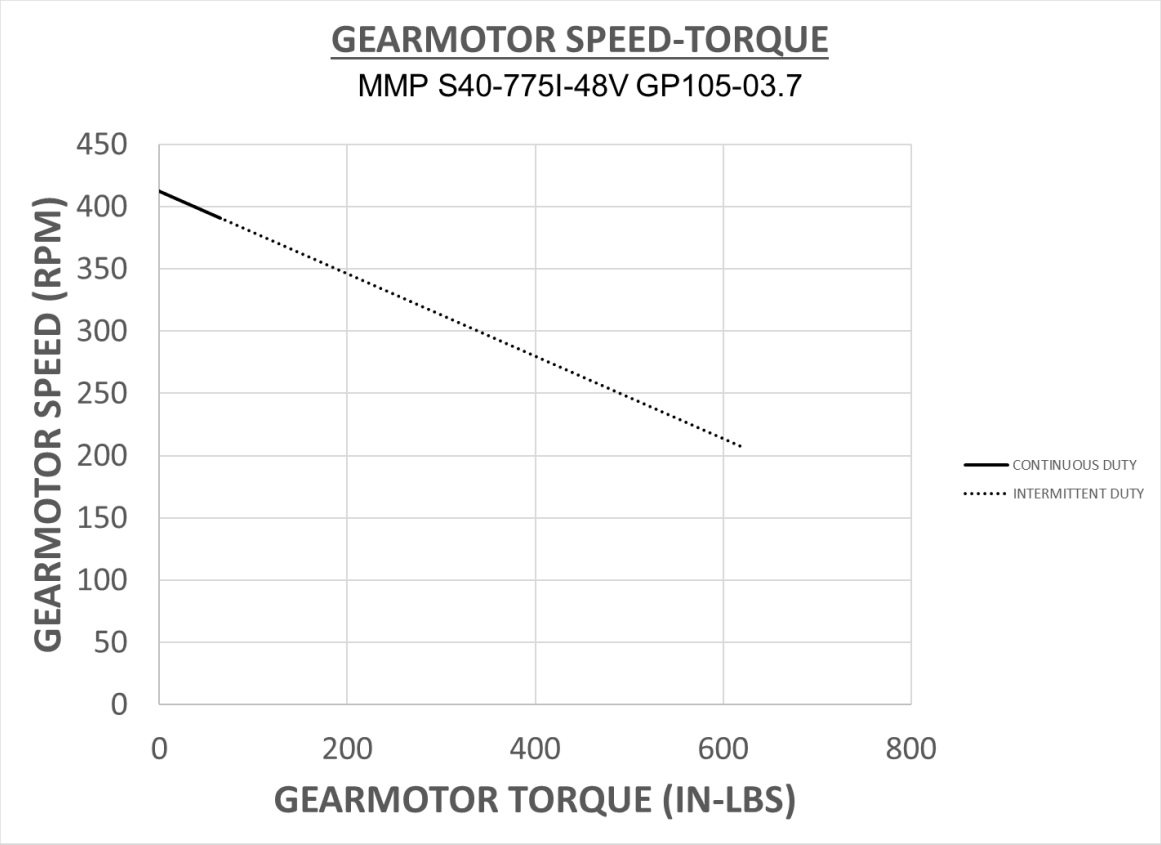
DC MOTOR PERFORMANCE PARAMETERS:	VALUE	UNITS	TOLERANCE
Input DC Voltage	48	DC VOLTS	-----
No-Load Current	0.83	AMPERES	MAX
No-Load Speed	1526	RPM	+/- 15%
Rated Continuous Torque	350	OZ-IN	MAX
Rated Continuous Current	9.1	AMPERES	MAX
Rated Speed (at Cont. Torque)	1454	RPM	+/- 15%
Rated Continuous Power Out	376	WATTS	+/- 15%
Peak Motor Torque	3008	OZ-IN	MAX
Peak Motor Current	71.9	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:

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 S40-775I-48V GP105-03.7
CURRENT (A)
90
80
70
60
50
40
30
20
10
0
0
200
400
600
800
GEARMOTOR TORQUE (IN - LBS)
CONTINUOUS DUTY
INTERMITTENT DUTY


GEARMOTOR SPEED-TORQUE
MMP S40-775I-48V GP105-03.7
GEARMOTOR SPEED (RPM)
450
400
350
300
250
200
150
100
50
0
0
200
400
600
800
GEARMOTOR TORQUE (IN-LBS)
CONTINUOUS DUTY
INTERMITTENT DUTY