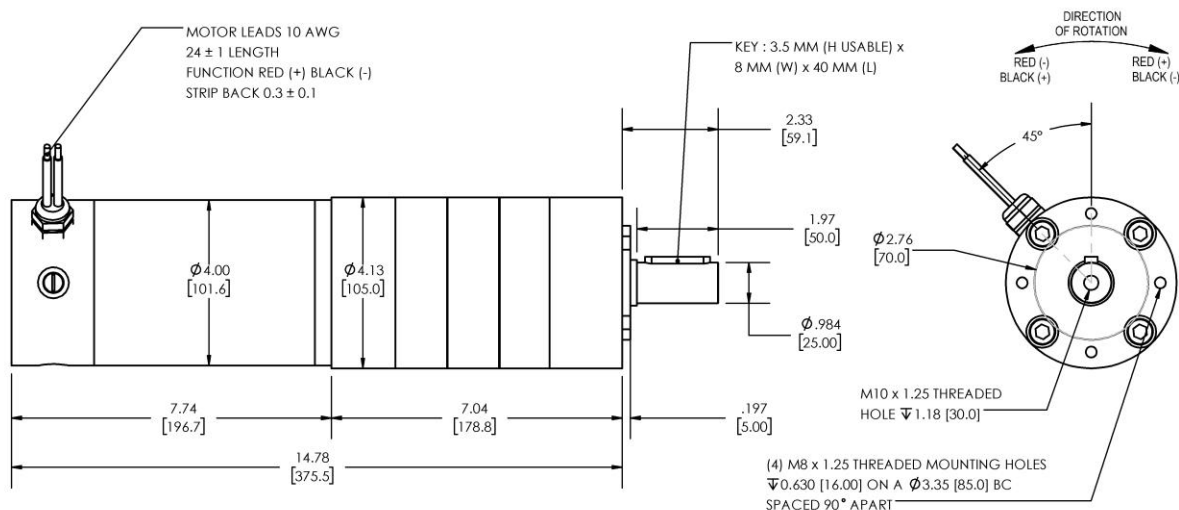




BRUSHED DC GEARMOTOR
• REVERSIBLE, PLANETARY GEARING

Model Number:

MMP S40-775I-90V 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)	17	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	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	467	OZ-IN	MAX
Peak Motor Current	11.9	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:

- 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

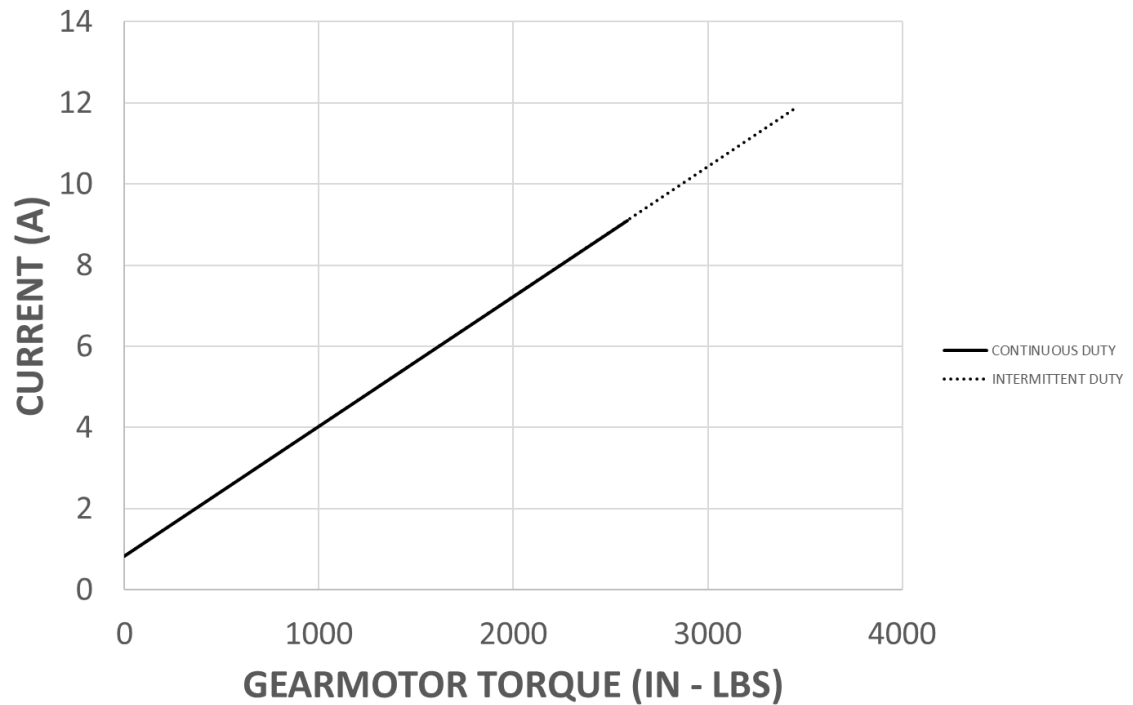
DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

www.midwestmotion.com

email: sales@midwestmotion.com

GEARMOTOR CURRENT-TORQUE

MMP S40-775I-90V GP105-169



GEARMOTOR SPEED-TORQUE

MMP S40-775I-90V GP105-169

