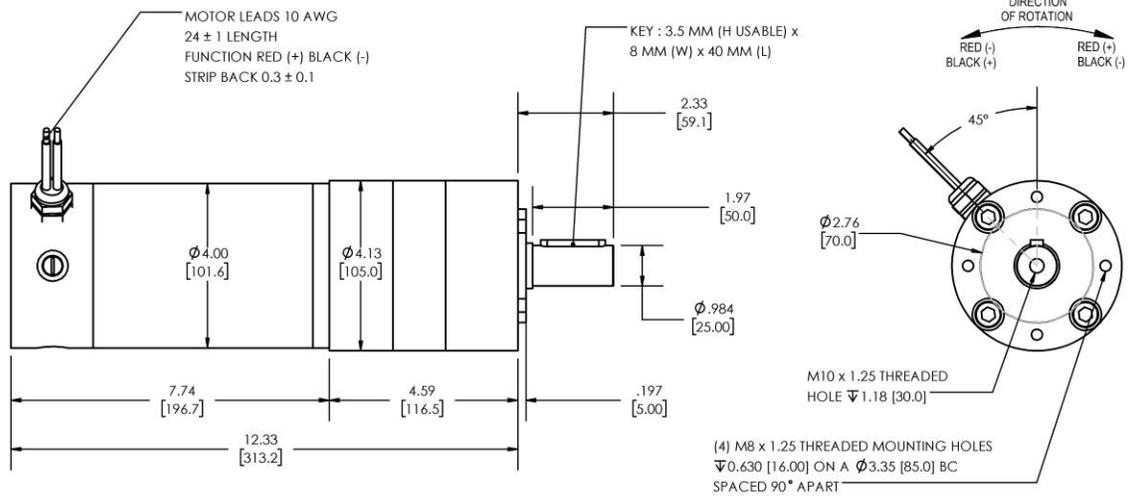


Model Number:
MMP S40-775J-90V GP105-03.7


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)	598	RPM	+/- 15%
Gearmotor Rated Continuous Torque	65	In-Lbs	MAX
Gearmotor Peak Torque Capacity	620++	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	90	DC VOLTS	----
No-Load Current	0.66	AMPERES	MAX
No-Load Speed	2282	RPM	+/- 15%
Rated Continuous Torque	350	OZ-IN	MAX
Rated Continuous Current	7.3	AMPERES	MAX
Rated Speed (at Cont. Torque)	2211	RPM	+/- 15%
Rated Continuous Power Out	572	WATTS	+/- 15%
Peak Motor Torque	3351	OZ-IN	MAX
Peak Motor Current	63.8	AMPERES	MAX
Back EMF Constant (Ke)	39.3	V/KRPM	+/- 10%
Torque Constant (Kt)	53.1	OZ-IN/AMP	+/- 10%
DC Armature Resistance	0.47	OHMS	+/- 15%
Armature Inductance	1.30	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.

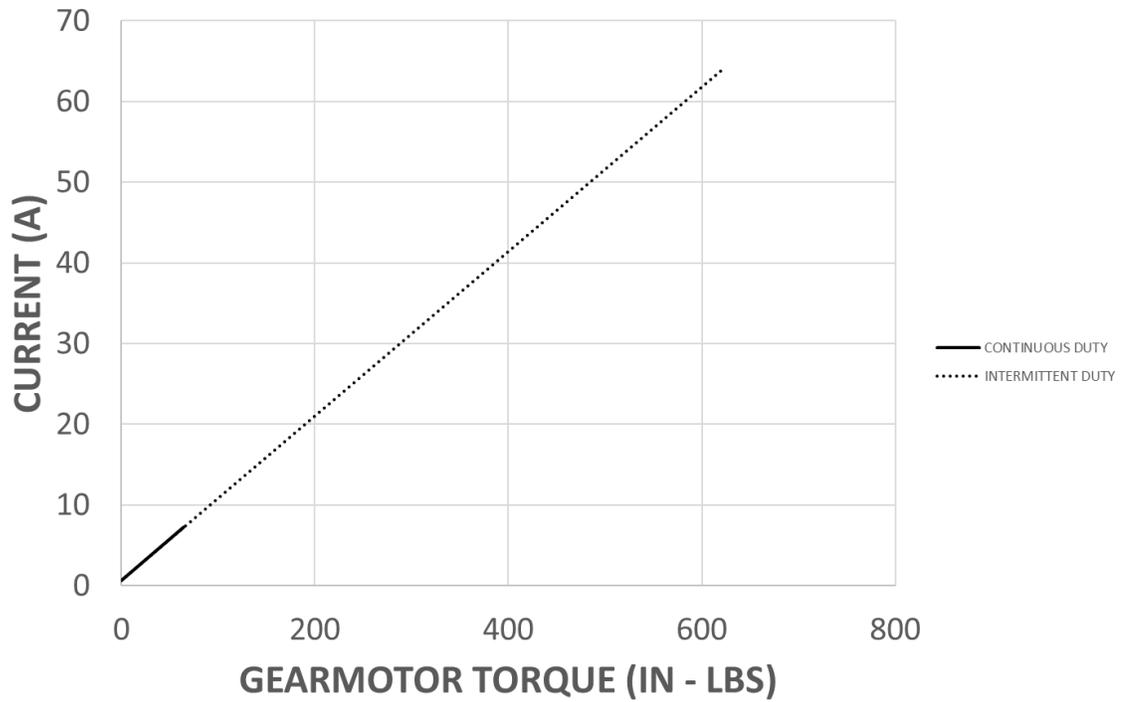
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MIDWEST MOTION PRODUCTS, INC
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 email: sales@midwestmotion.com

GEARMOTOR CURRENT-TORQUE

MMP S40-775J-90V GP105-03.7



GEARMOTOR SPEED-TORQUE

MMP S40-775J-90V GP105-03.7

