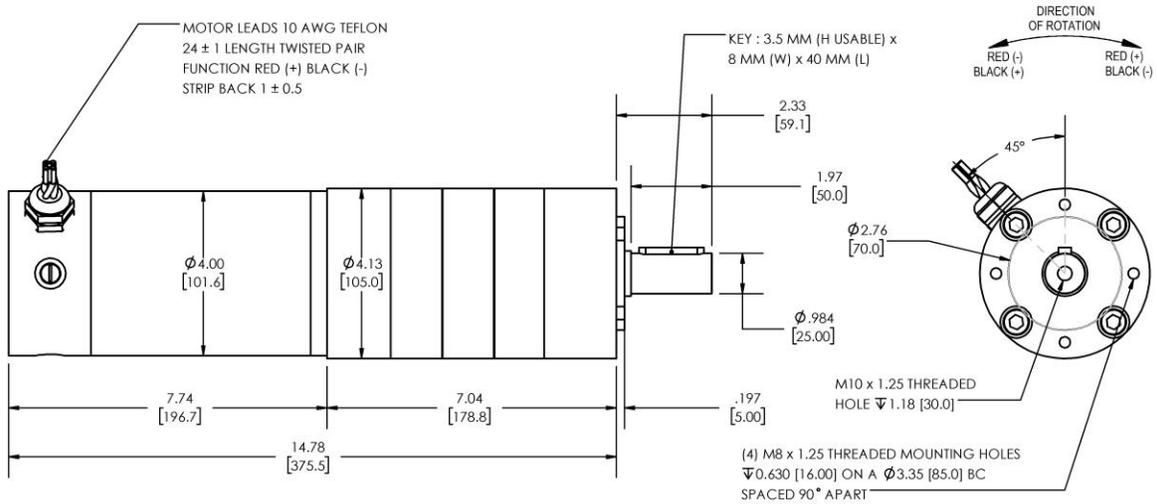


**Model Number:**  
**MMP S40-775B-12V GP105-169**



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)	12	RPM	+/- 15%
Gearmotor Rated Continuous Torque	1330	In-Lbs	MAX
Gearmotor Peak Torque Capacity	<b>3452++</b>	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	12	DC VOLTS	----
No-Load Current	5.00	AMPERES	MAX
No-Load Speed	2260	RPM	+/- 15%
Rated Continuous Torque	180	OZ-IN	MAX
Rated Continuous Current	30.7	AMPERES	MAX
Rated Speed (at Cont. Torque)	2060	RPM	+/- 15%
Rated Continuous Power Out	274	WATTS	+/- 15%
Peak Motor Torque	467	OZ-IN	MAX
Peak Motor Current	71.8	AMPERES	MAX
Back EMF Constant (Ke)	5.2	V/KRPM	+/- 10%
Torque Constant (Kt)	7.0	OZ-IN/AMP	+/- 10%
DC Armature Resistance	0.05	OHMS	+/- 15%
Armature Inductance	0.03	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.

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NEMA MOUNTING FLANGE OPTION AVAILABLE – [FOLLOW THIS LINK FOR DETAILS](#)

