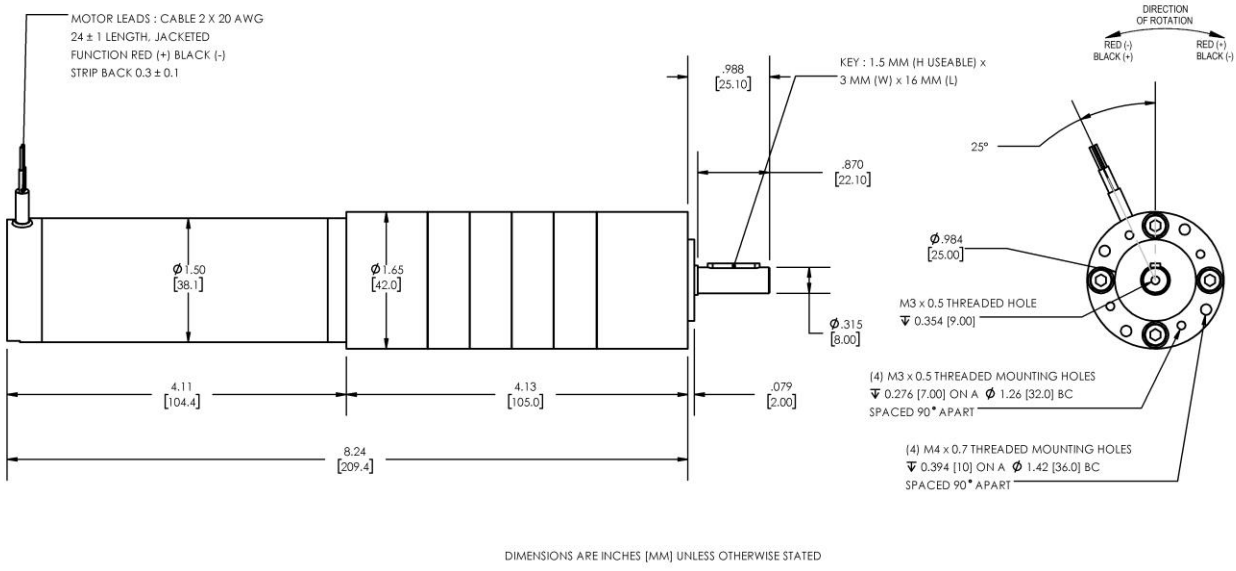
BRUSHED DC GEARMOTOR

- **REVERSIBLE, PLANETARY GEARING**

Model Number:

MMP S17-400C-12V GP42-1140



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	1139.73 : 1		
Gearmotor Output Speed (at Cont. Torque)	2.8	RPM	+/- 15%
Gearmotor Rated Continuous Torque	266	In-Lbs	MAX
Gearmotor Peak Torque Capacity	266++	In-Lbs	MAX
Gearhead Standard Backlash	63	Arc Minutes	MAX
Gearhead Efficiency	65%	-----	-----
Output Shaft Radial Load Capacity	68	Lbs	MAX
Output Shaft Axial Load Capacity	25	Lbs	MAX
Gearmotor Total Weight	3.0	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	0.54	AMPERES	MAX
No-Load Speed	3257	RPM	+/- 15%
Rated Continuous Torque	5.7	OZ-IN	MAX
Rated Continuous Current	1.7	AMPERES	MAX
Rated Speed (at Cont. Torque)	3143	RPM	+/- 15%
Rated Continuous Power Out	13	WATTS	+/- 15%
Peak Motor Torque	5.7	OZ-IN	MAX
Peak Motor Current	1.7	AMPERES	MAX
Back EMF Constant (Ke)	3.6	V/KRPM	+/- 10%
Torque Constant (Kt)	4.8	OZ-IN/AMP	+/- 10%
DC Armature Resistance	0.63	OHMS	+/- 15%
Armature Inductance	0.17	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