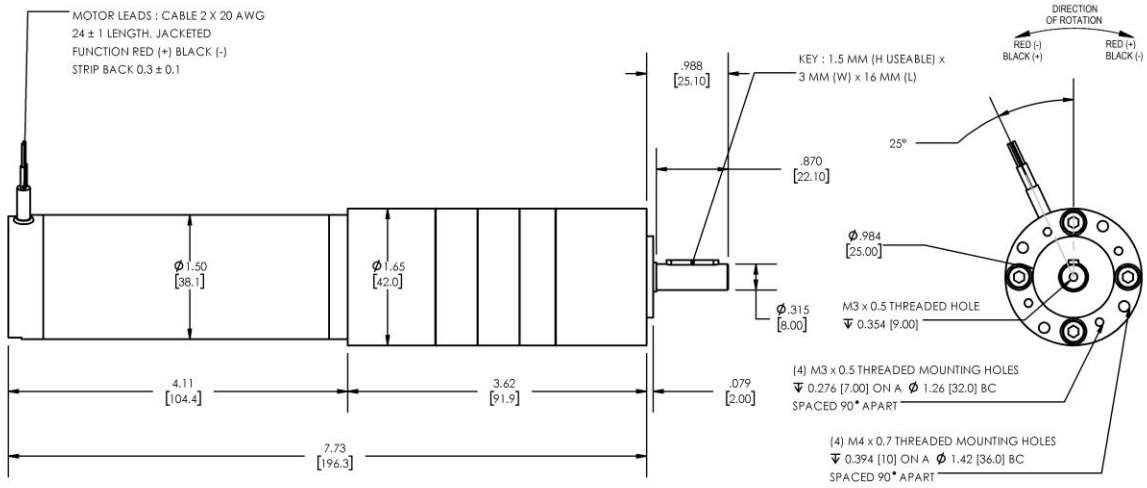
BRUSHED DC GEARMOTOR

- **REVERSIBLE, PLANETARY GEARING**

Model Number:

MMP S17-400A-12V GP42-115



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	115.07 : 1		
Gearmotor Output Speed (at Cont. Torque)	44	RPM	+/- 15%
Gearmotor Rated Continuous Torque	51	In-Lbs	MAX
Gearmotor Peak Torque Capacity	**266++**	In-Lbs	MAX
Gearhead Standard Backlash	60	Arc Minutes	MAX
Gearhead Efficiency	70%	-----	-----
Output Shaft Radial Load Capacity	68	Lbs	MAX
Output Shaft Axial Load Capacity	25	Lbs	MAX
Gearmotor Total Weight	2.7	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	0.87	AMPERES	MAX
No-Load Speed	5355	RPM	+/- 15%
Rated Continuous Torque	10	OZ-IN	MAX
Rated Continuous Current	4.3	AMPERES	MAX
Rated Speed (at Cont. Torque)	5068	RPM	+/- 15%
Rated Continuous Power Out	38	WATTS	+/- 15%
Peak Motor Torque	53	OZ-IN	MAX
Peak Motor Current	18.6	AMPERES	MAX
Back EMF Constant (Ke)	2.2	V/KRPM	+/- 10%
Torque Constant (Kt)	3.0	OZ-IN/AMP	+/- 10%
DC Armature Resistance	0.25	OHMS	+/- 15%
Armature Inductance	0.07	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**

MIDWEST MOTION PRODUCTS, INC

DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

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