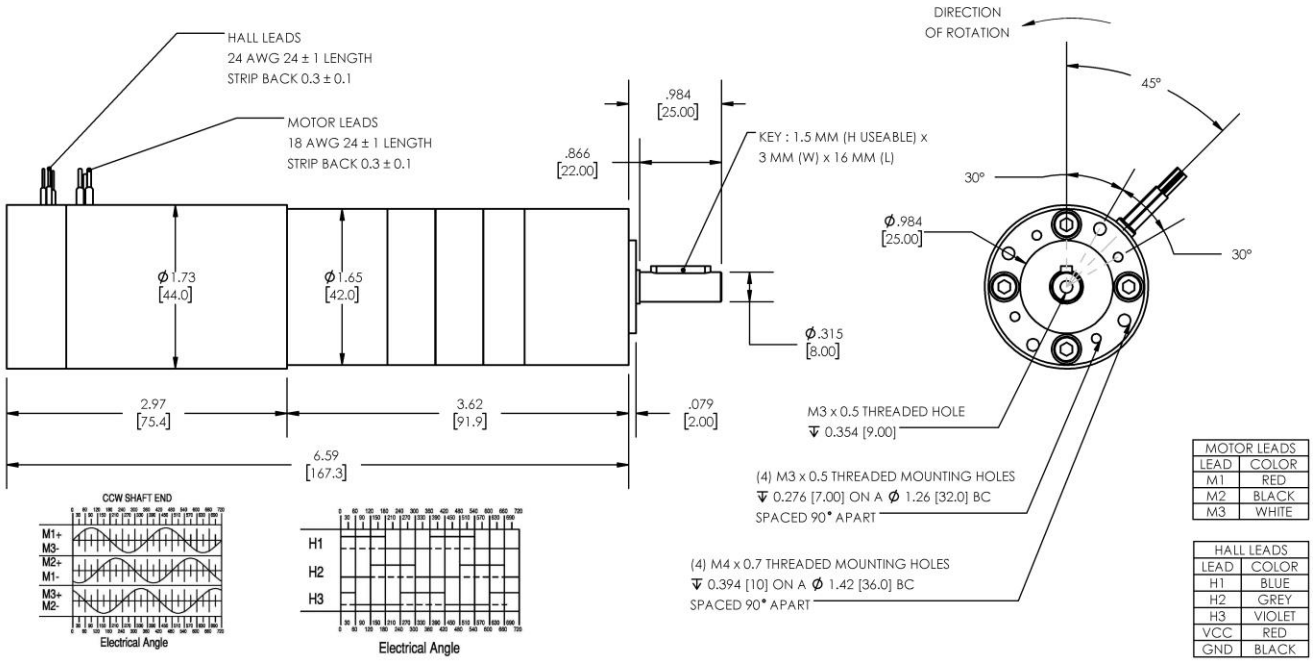
REVERSIBLE BRUSHLESS DC PLANETARY GEARMOTOR

Model Number:

MMP BL44-297H-90V GP42-051



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	50.89 : 1		
Gearhead Shaft Output Speed (at full-load)	87	RPM	MAX
Gearmotor Rated Continuous Torque	45	In-Lbs	MAX
Gearmotor Rated Peak Torque	247++	In-Lbs	-----
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	2.2	Lbs	MAX

++ All Peak Torque values are dependent upon duty. Contact our sales office for details.

DC MOTOR PERFORMANCE PARAMETERS:	VALUE	UNITS	TOLERANCE
Rated DC Voltage	90	DC VOLTS	-----
Rated Continuous Current	0.89	AMPERES	-----
No-Load Speed	5017	RPM	+/- 15%
Rated Speed	4408	RPM	+/- 15%
Rated Continuous Power Out	65	WATTS	+/- 15%
Rated Continuous Torque	20	OZ-IN	-----
Peak Torque (motor only)	111	OZ-IN	-----
No-Load Current	0.05	AMPERES	10%
Back EMF Constant (Ke)	17.8	V/KRPM	+/- 10%
Torque Constant (Kt)	24.0	OZ-IN/AMP	+/- 10%
DC Armature Resistance	13.00	OHMS	+/- 15%
Armature Inductance	10.24	mH	+/- 15%
Armature temperature	155	DEG. C	MAX

NOTES:

- 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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