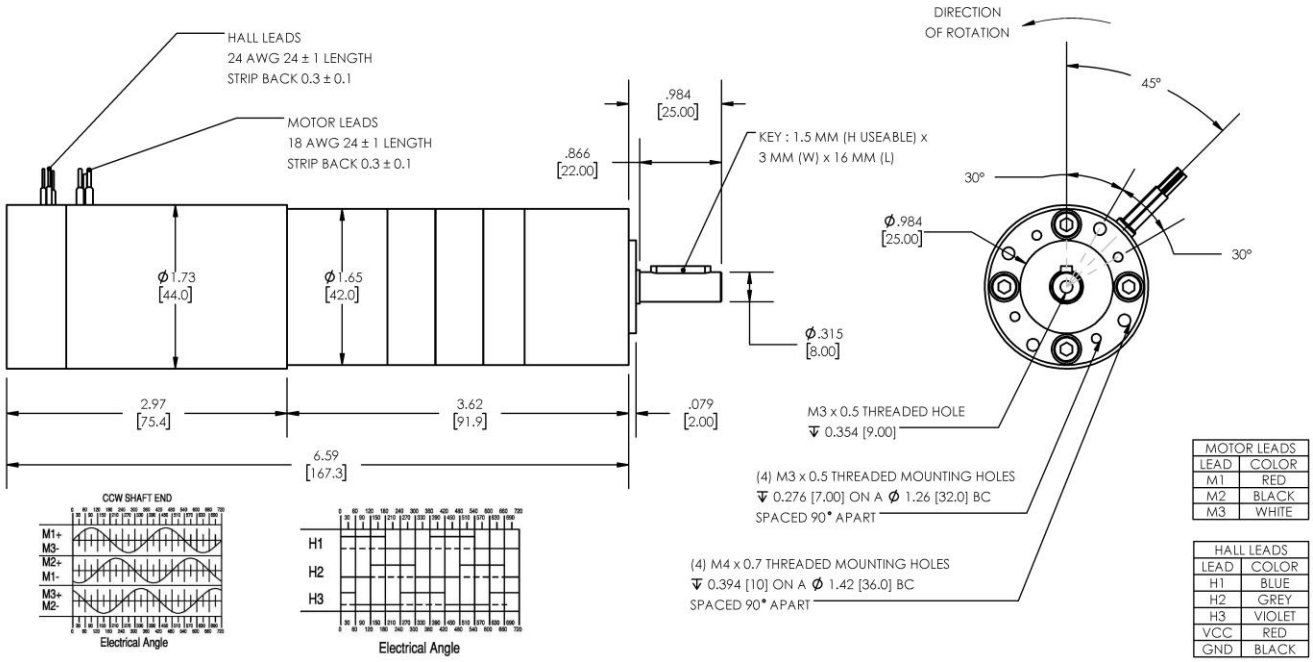
REVERSIBLE BRUSHLESS DC PLANETARY GEARMOTOR

Model Number:

MMP BL44-297G-60V 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)	74	RPM	MAX
Gearmotor Rated Continuous Torque	45	In-Lbs	MAX
Gearmotor Rated Peak Torque	209++	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	60	DC VOLTS	-----
Rated Continuous Current	1.2	AMPERES	-----
No-Load Speed	4403	RPM	+/- 15%
Rated Speed	3772	RPM	+/- 15%
Rated Continuous Power Out	56	WATTS	+/- 15%
Rated Continuous Torque	20	OZ-IN	-----
Peak Torque (motor only)	94	OZ-IN	-----
No-Load Current	0.07	AMPERES	10%
Back EMF Constant (Ke)	13.5	V/KRPM	+/- 10%
Torque Constant (Kt)	18.3	OZ-IN/AMP	+/- 10%
DC Armature Resistance	7.80	OHMS	+/- 15%
Armature Inductance	6.48	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

www.midwestmotion.com email: sales@midwestmotion.com