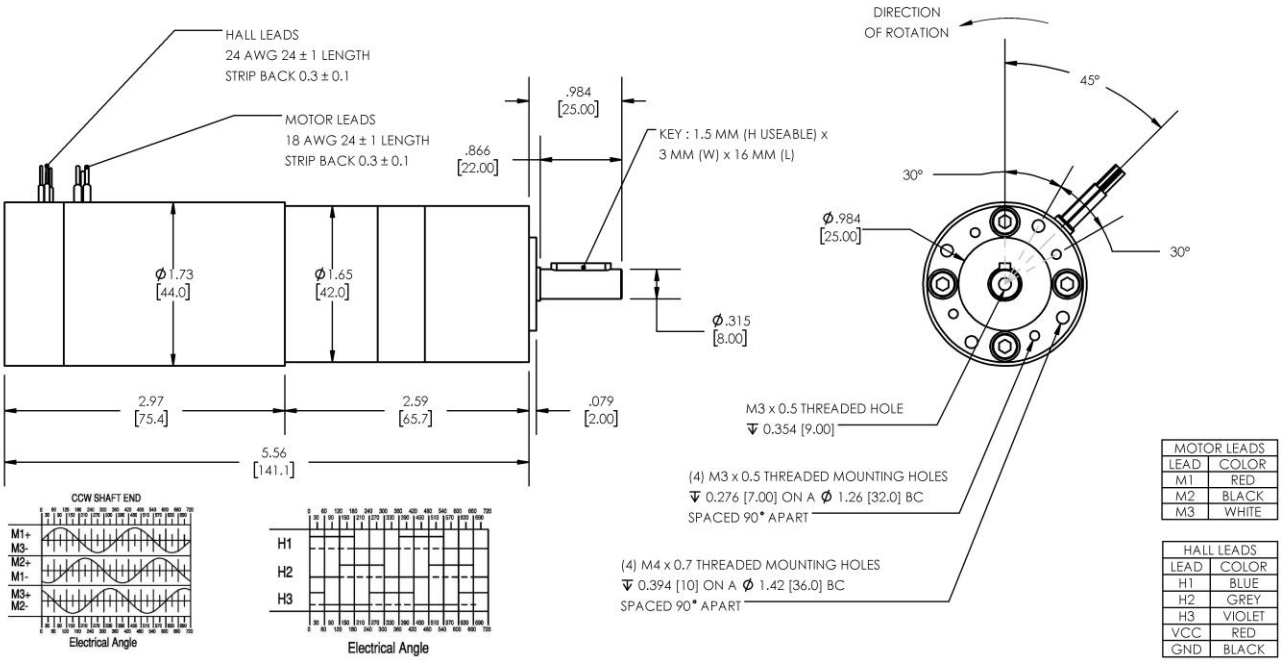
REVERSIBLE BRUSHLESS DC PLANETARY GEARMOTOR

Model Number:

MMP BL44-297G-90V GP42-03.7



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	3.70 : 1		
Gearhead Shaft Output Speed (at full-load)	1620	RPM	MAX
Gearmotor Rated Continuous Torque	3.7	In-Lbs	MAX
Gearmotor Rated Peak Torque	26++	In-Lbs	-----
Gearhead Standard Backlash	54	Arc Minutes	MAX
Gearhead Efficiency	80%	-----	-----
Output Shaft Radial Load Capacity	36	Lbs	MAX
Output Shaft Axial Load Capacity	12	Lbs	MAX
Gearmotor Total Weight	1.6	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	1.2	AMPERES	-----
No-Load Speed	6626	RPM	+/- 15%
Rated Speed	5994	RPM	+/- 15%
Rated Continuous Power Out	89	WATTS	+/- 15%
Rated Continuous Torque	20	OZ-IN	-----
Peak Torque (motor only)	141	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