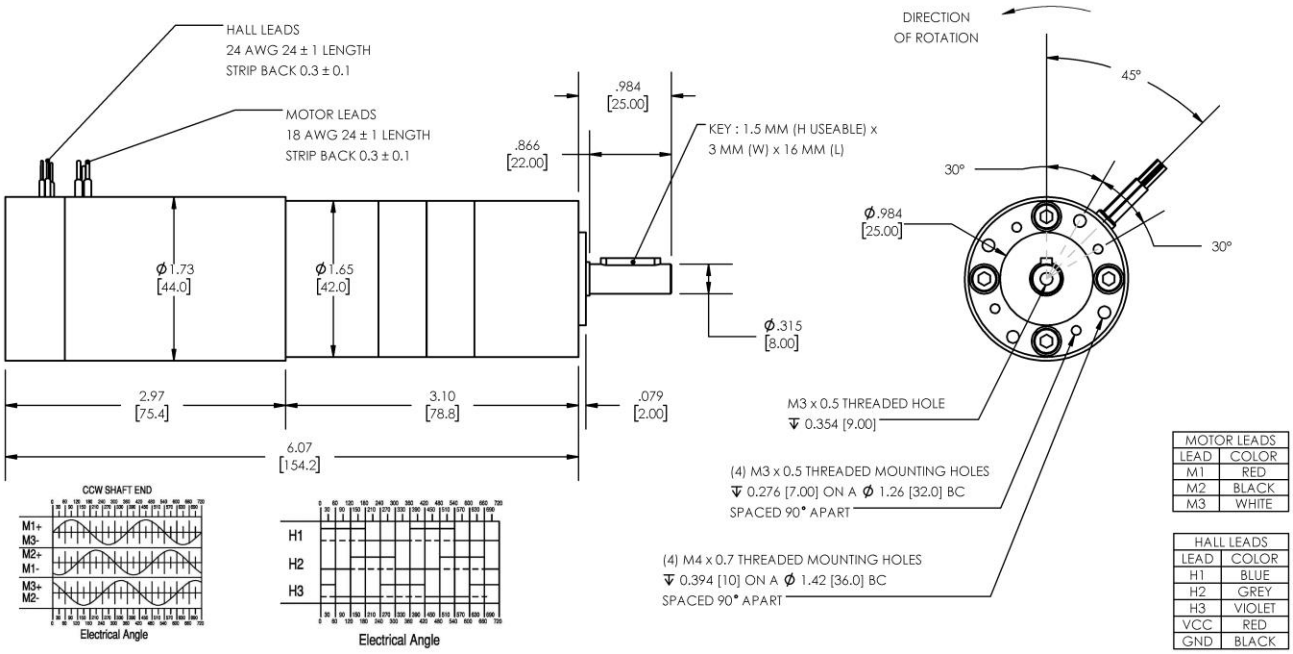
REVERSIBLE BRUSHLESS DC PLANETARY GEARMOTOR

Model Number:

MMP BL44-297K-180V GP42-029



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	28.93 : 1		
Gearhead Shaft Output Speed (at full-load)	173	RPM	MAX
Gearmotor Rated Continuous Torque	27	In-Lbs	MAX
Gearmotor Rated Peak Torque	133++	In-Lbs	-----
Gearhead Standard Backlash	57	Arc Minutes	MAX
Gearhead Efficiency	75%	-----	-----
Output Shaft Radial Load Capacity	52	Lbs	MAX
Output Shaft Axial Load Capacity	18	Lbs	MAX
Gearmotor Total Weight	1.9	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	180	DC VOLTS	-----
Rated Continuous Current	0.50	AMPERES	-----
No-Load Speed	5688	RPM	+/- 15%
Rated Speed	5001	RPM	+/- 15%
Rated Continuous Power Out	74	WATTS	+/- 15%
Rated Continuous Torque	20	OZ-IN	-----
Peak Torque (motor only)	111	OZ-IN	-----
No-Load Current	0.03	AMPERES	10%
Back EMF Constant (Ke)	31.4	V/KRPM	+/- 10%
Torque Constant (Kt)	42.5	OZ-IN/AMP	+/- 10%
DC Armature Resistance	45.80	OHMS	+/- 15%
Armature Inductance	40.37	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