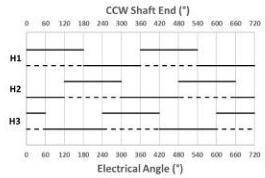
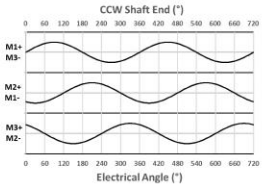
Model Number:

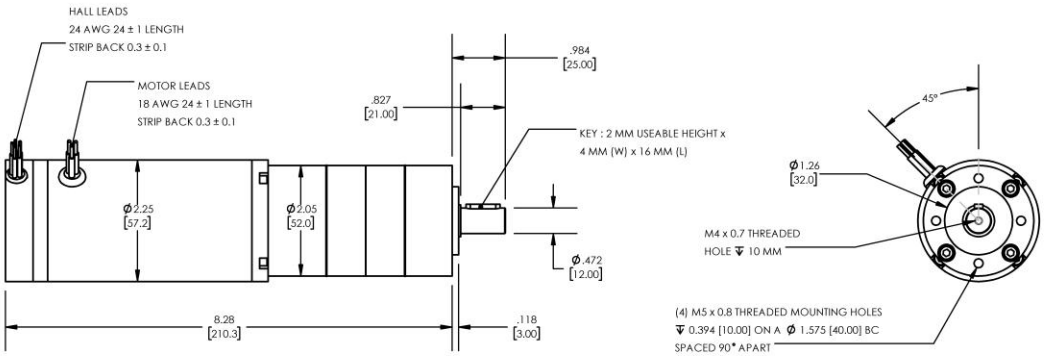
MMP BL58-487H-90V GP52-016

MOTOR LEADS	
LEAD	COLOR
M1	RED
M2	BLACK
M3	WHITE

HALL LEADS	
LEAD	COLOR
H1	BLUE
H2	GREY
H3	VIOLET
VCC	RED
GND	BLACK







DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	15.88 : 1		
Gearhead Shaft Output Speed (at full-load)	305	RPM	MAX
Gearmotor Rated Continuous Torque	86	In-Lbs	MAX
Gearmotor Rated Peak Torque	213++	In-Lbs	-----
Gearhead Standard Backlash	45	Arc Minutes	MAX
Gearhead Efficiency	75%	-----	-----
Output Shaft Radial Load Capacity	72	Lbs	MAX
Output Shaft Axial Load Capacity	23	Lbs	MAX
Gearmotor Total Weight	4.1	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	5.69	AMPERES	-----
No-Load Speed	5769	RPM	MAX
Rated Speed	4838	RPM	+/- 15%
Rated Continuous Power Out	410	WATTS	+/- 15%
Rated Continuous Torque	115	OZ-IN	-----
Peak Torque (motor only)	496	OZ-IN	-----
No-Load Current	0.26	AMPERES	MAX
Back EMF Constant (Ke)	15.6	V/KRPM	+/- 10%
Torque Constant (Kt)	21.1	OZ-IN/AMP	+/- 10%
DC Armature Resistance	2.55	OHMS	+/- 15%
Armature Inductance	2.40	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