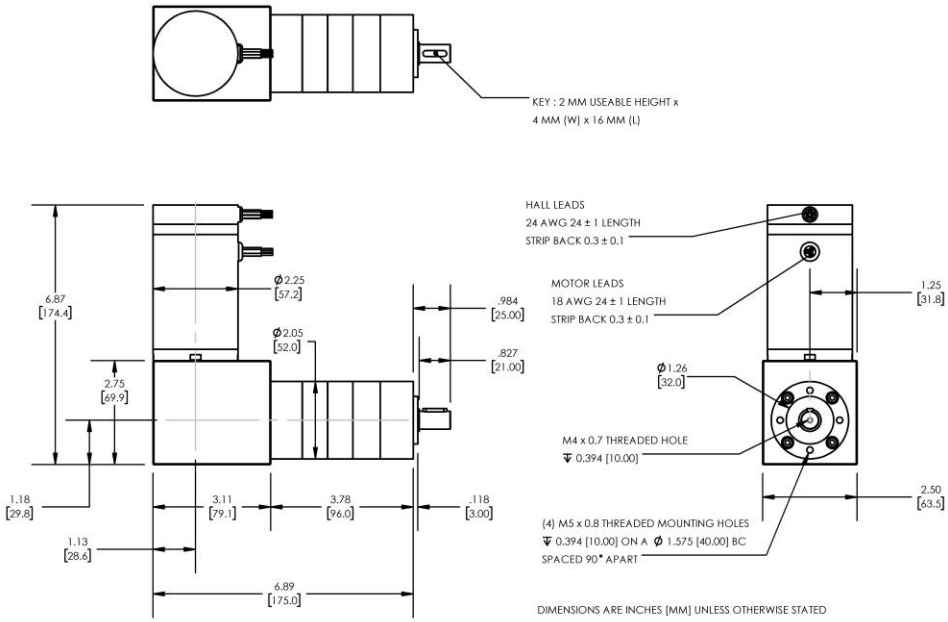
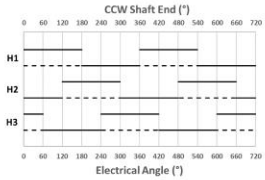
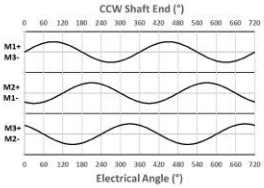
REVERSIBLE BRUSHLESS DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP BL58-412G-48V GRA52-1140







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

MOTOR LEADS	
LEAD	COLOR
M1	RED
M2	BLACK
M3	WHITE

ENCODER CABLE FUNCTIONS		
PIN	FUNCTION	COLOR
1	GROUND	BROWN
2	INDEX	VIOLET
3	A CHANNEL	BLUE
4	+5 VDC POWER	ORANGE
5	B CHANNEL	YELLOW

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	1139.73 : 1		
Gearhead Shaft Output Speed (at full-load)	3.9	RPM	MAX
Gearmotor Rated Continuous Torque	443	In-Lbs	MAX
Gearmotor Rated Peak Torque	443++	In-Lbs	-----
Gearhead Standard Backlash	51	Arc Minutes	MAX
Gearhead Efficiency	65%	-----	-----
Output Shaft Radial Load Capacity	113	Lbs	MAX
Output Shaft Axial Load Capacity	45	Lbs	MAX
Gearmotor Total Weight	6.1	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	48	DC VOLTS	-----
Rated Continuous Current	1.0	AMPERES	-----
No-Load Speed	4706	RPM	MAX
Rated Speed	4500	RPM	+/- 15%
Rated Continuous Power Out	32	WATTS	+/- 15%
Rated Continuous Torque	9.6	OZ-IN	-----
Peak Torque (motor only)	217	OZ-IN	-----
No-Load Current	0.34	AMPERES	MAX
Back EMF Constant (Ke)	10.2	V/KRPM	+/- 10%
Torque Constant (Kt)	13.8	OZ-IN/AMP	+/- 10%
DC Armature Resistance	2.03	OHMS	+/- 15%
Armature Inductance	1.71	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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