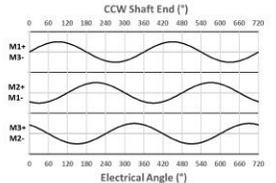
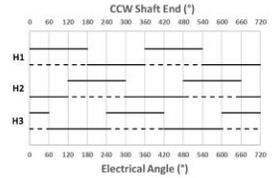
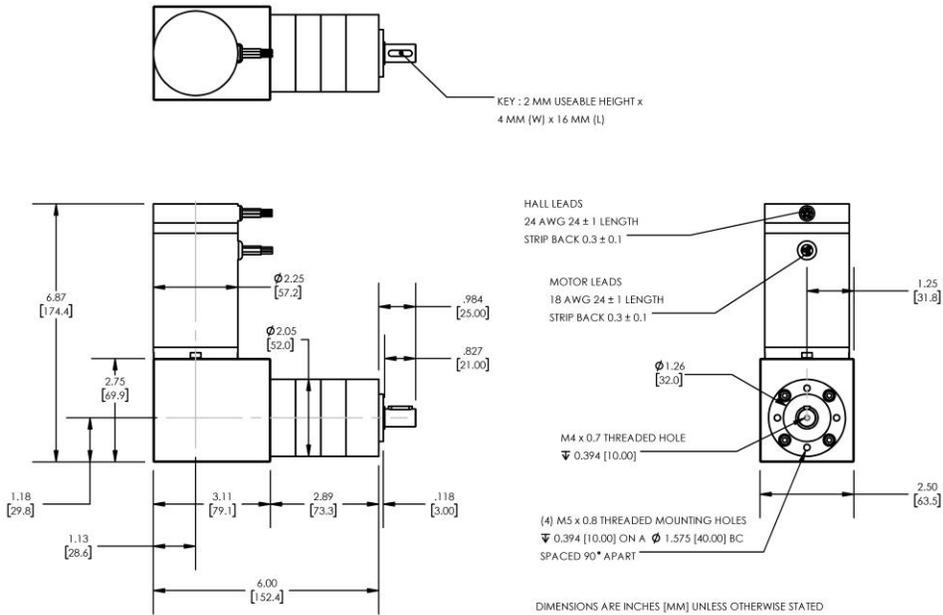




# REVERSIBLE BRUSHLESS DC RIGHT-ANGLED GEARMOTOR

**Model Number:**

**MMP BL58-412L-120V GRA52-195**



HALL LEADS		MOTOR LEADS	
LEAD	COLOR	LEAD	COLOR
H1	BLUE	M1	RED
H2	GREY	M2	BLACK
H3	VIOLET	M3	WHITE
VCC	RED		
GNP	BLACK		

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)	195.26 : 1		
Gearhead Shaft Output Speed (at full-load)	19	RPM	MAX
Gearmotor Rated Continuous Torque	443	In-Lbs	MAX
Gearmotor Rated Peak Torque	443++	In-Lbs	----
Gearhead Standard Backlash	48	Arc Minutes	MAX
Gearhead Efficiency	70%	----	----
Output Shaft Radial Load Capacity	102	Lbs	MAX
Output Shaft Axial Load Capacity	34	Lbs	MAX
Gearmotor Total Weight	5.7	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	120	DC VOLTS	----
Rated Continuous Current	1.7	AMPERES	----
No-Load Speed	4743	RPM	MAX
Rated Speed	3650	RPM	+/- 15%
Rated Continuous Power Out	140	WATTS	+/- 15%
Rated Continuous Torque	52	OZ-IN	----
Peak Torque (motor only)	164	OZ-IN	----
No-Load Current	0.14	AMPERES	MAX
Back EMF Constant (Ke)	25.3	V/KRPM	+/- 10%
Torque Constant (Kt)	34.2	OZ-IN/AMP	+/- 10%
DC Armature Resistance	16.65	OHMS	+/- 15%
Armature Inductance	9.99	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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