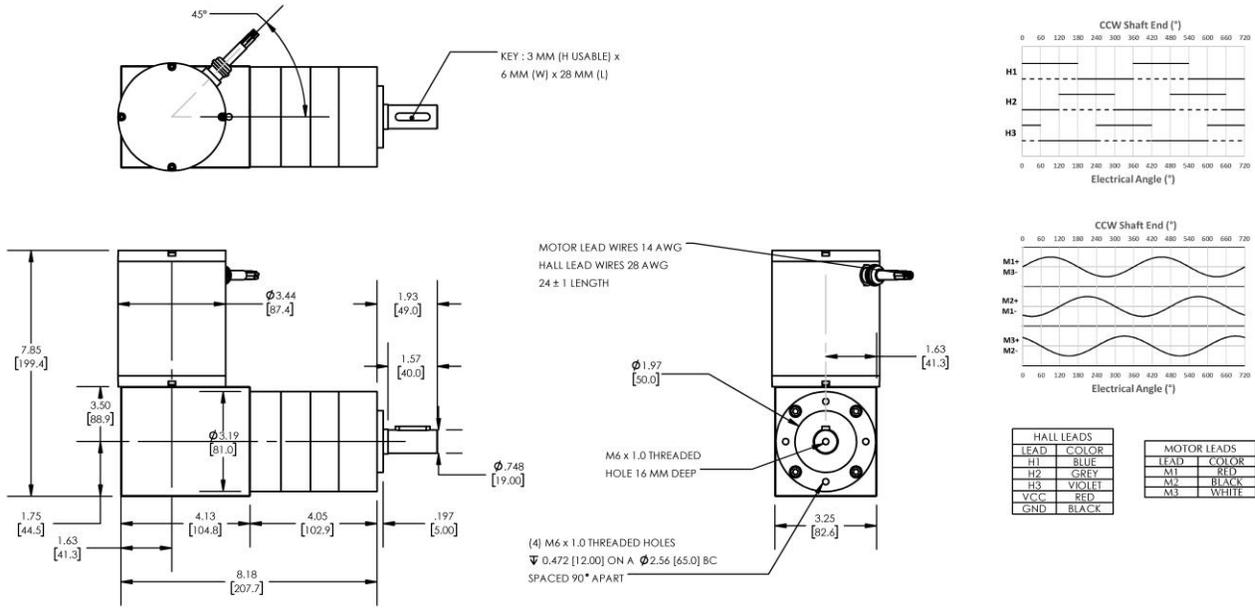




# REVERSIBLE BRUSHLESS DC RIGHT-ANGLED GEARMOTOR

**Model Number:**

**MMP BL87-435B-48V GRA81-051**



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	50.89 : 1		
Gearhead Shaft Output Speed (at full-load)	96	RPM	MAX
Gearmotor Rated Continuous Torque	635	In-Lbs	MAX
Gearmotor Rated Peak Torque	2124++	In-Lbs	----
Gearhead Standard Backlash	36	Arc Minutes	MAX
Gearhead Efficiency	70%	----	----
Output Shaft Radial Load Capacity	225	Lbs	MAX
Output Shaft Axial Load Capacity	45	Lbs	MAX
Gearmotor Total Weight	17	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	27.1	AMPERES	----
No-Load Speed	5854	RPM	MAX
Rated Speed	4879	RPM	+/- 15%
Rated Continuous Power Out	1028	WATTS	+/- 15%
Rated Continuous Torque	285	OZ-IN	----
Peak Torque (motor only)	1202	OZ-IN	----
No-Load Current	1.38	AMPERES	MAX
Back EMF Constant (Ke)	8.2	V/KRPM	+/- 10%
Torque Constant (Kt)	11.1	OZ-IN/AMP	+/- 10%
DC Armature Resistance	0.30	OHMS	+/- 15%
Armature Inductance	0.27	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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