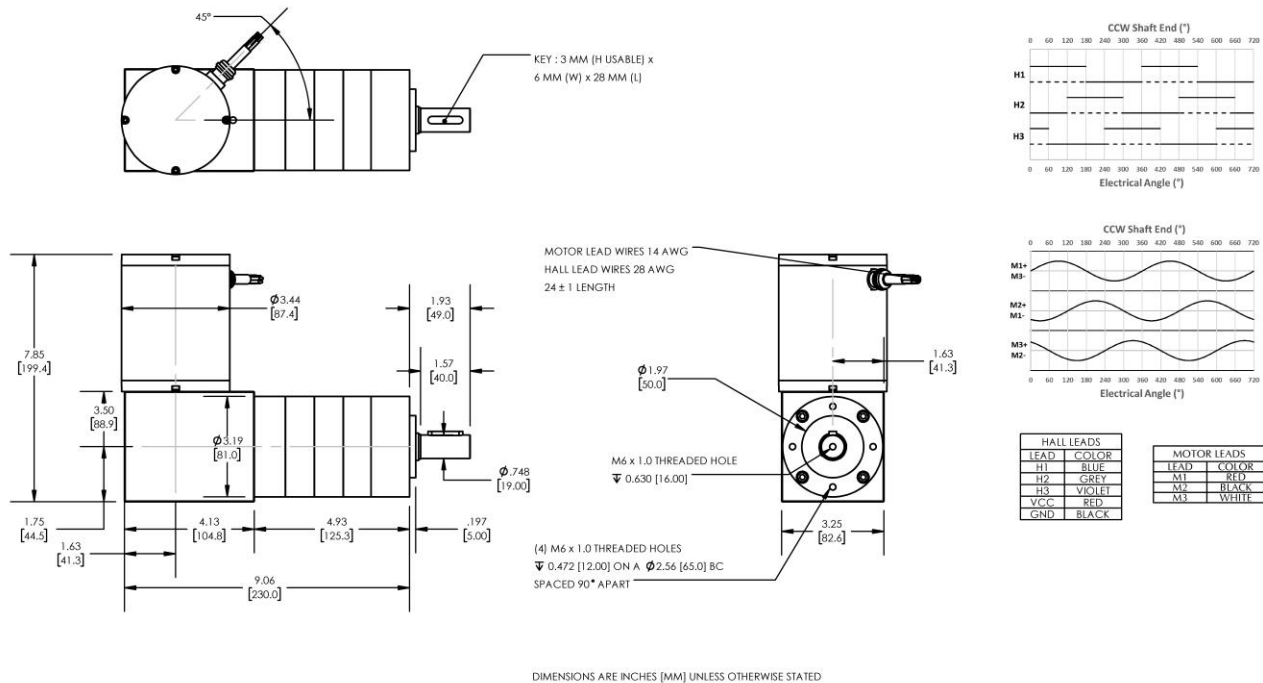




REVERSIBLE BRUSHLESS DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP BL87-435F-90V GRA81-1140



PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	1139.73 : 1		
Gearhead Shaft Output Speed (at full-load)	3.6	RPM	MAX
Gearmotor Rated Continuous Torque	2124	In-Lbs	MAX
Gearmotor Rated Peak Torque	2124++	In-Lbs	----
Gearhead Standard Backlash	39	Arc Minutes	MAX
Gearhead Efficiency	65%	----	----
Output Shaft Radial Load Capacity	293	Lbs	MAX
Output Shaft Axial Load Capacity	63	Lbs	MAX
Gearmotor Total Weight	19	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	2.2	AMPERES	----
No-Load Speed	4390	RPM	MAX
Rated Speed	4065	RPM	+/- 15%
Rated Continuous Power Out	138	WATTS	+/- 15%
Rated Continuous Torque	46	OZ-IN	----
Peak Torque (motor only)	550	OZ-IN	----
No-Load Current	0.55	AMPERES	MAX
Back EMF Constant (Ke)	20.5	V/KRPM	+/- 10%
Torque Constant (Kt)	27.7	OZ-IN/AMP	+/- 10%
DC Armature Resistance	3.02	OHMS	+/- 15%
Armature Inductance	1.80	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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