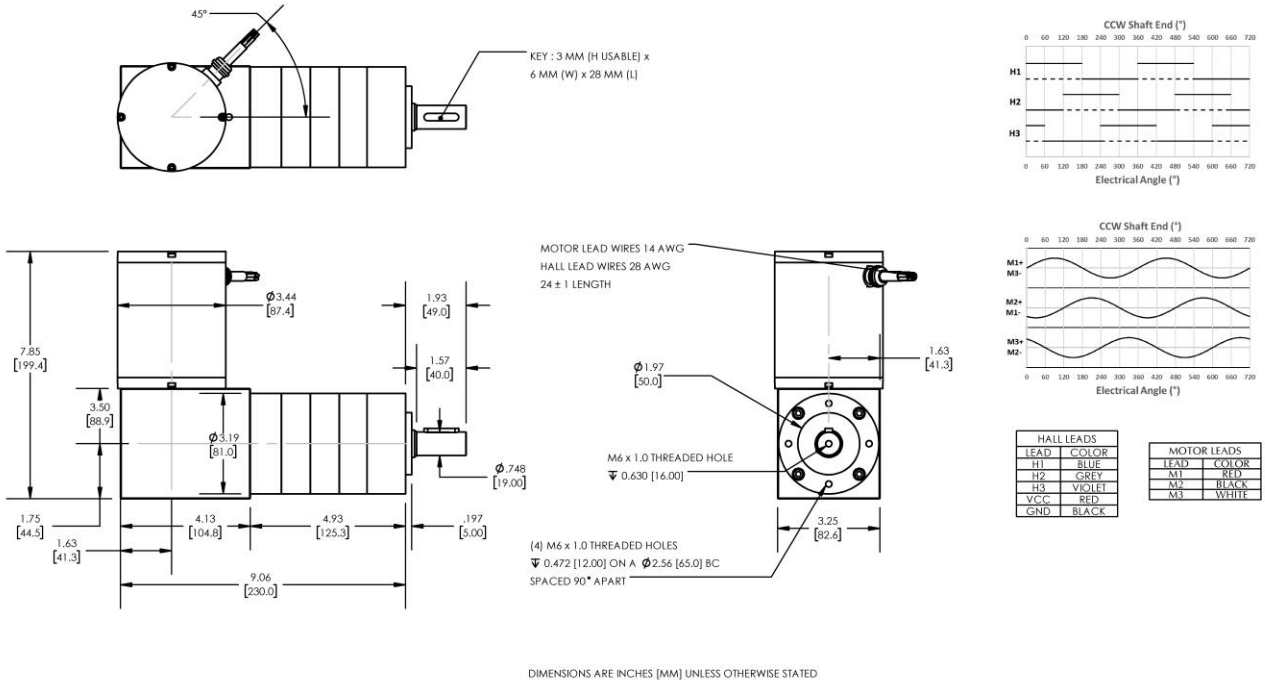
REVERSIBLE BRUSHLESS DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP BL87-435F-120V GRA81-1140



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

MOTOR LEADS	
LEAD	COLOR
M1	RED
M2	BLACK
M3	WHITE

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	1139.73 : 1		
Gearhead Shaft Output Speed (at full-load)	4.9	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	120	DC VOLTS	-----
Rated Continuous Current	2.2	AMPERES	-----
No-Load Speed	5854	RPM	MAX
Rated Speed	5528	RPM	+/- 15%
Rated Continuous Power Out	188	WATTS	+/- 15%
Rated Continuous Torque	46	OZ-IN	-----
Peak Torque (motor only)	734	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