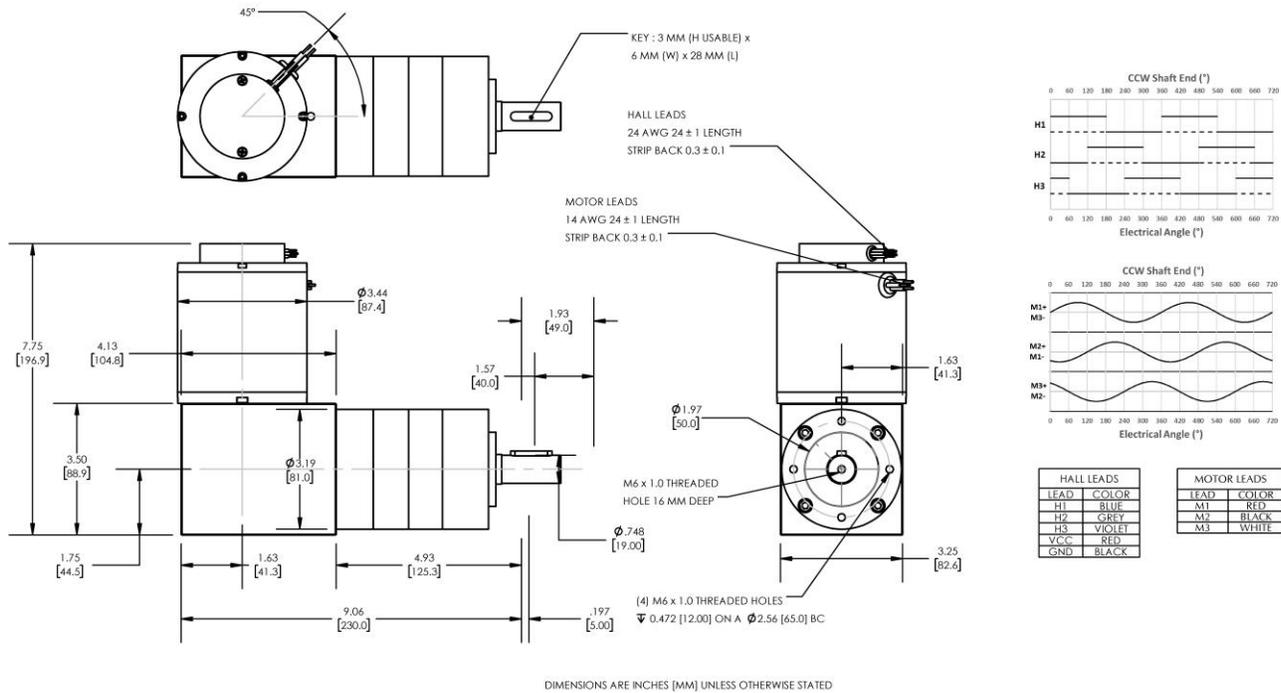


**Model Number:**

## MMP BL86-425I-90V GRA81-059



PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	58.85 : 1		
Gearhead Shaft Output Speed (at full-load)	75	RPM	MAX
Gearmotor Rated Continuous Torque	301	In-Lbs	MAX
Gearmotor Rated Peak Torque	877++	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	15	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	6.1	AMPERES	----
No-Load Speed	5844	RPM	MAX
Rated Speed	4402	RPM	+/- 15%
Rated Continuous Power Out	381	WATTS	+/- 15%
Rated Continuous Torque	117	OZ-IN	----
Peak Torque (motor only)	341	OZ-IN	----
No-Load Current	0.43	AMPERES	MAX
Back EMF Constant (Ke)	15.4	V/KRPM	+/- 10%
Torque Constant (Kt)	20.8	OZ-IN/AMP	+/- 10%
DC Armature Resistance	3.67	OHMS	+/- 15%
Armature Inductance	2.68	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](#)