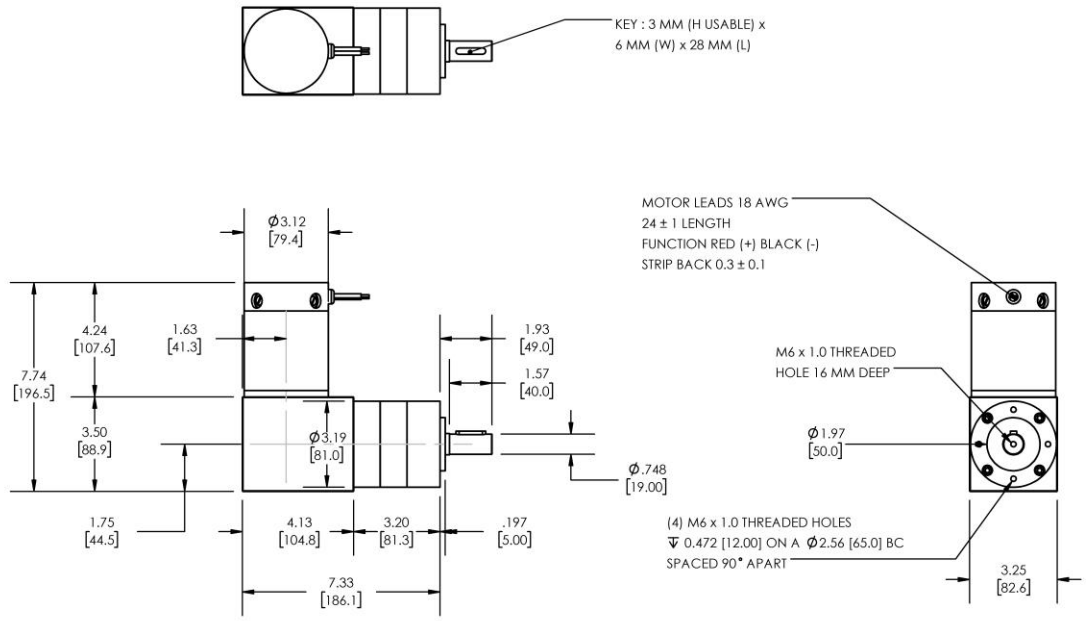
REVERSIBLE BRUSHED
DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP D33-455K-90V GRA81-025



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	25.01 : 1		
Gearhead Shaft Output Speed (at full-load)	100	RPM	MAX
Gearmotor Rated Continuous Torque	113	In-Lbs	MAX
Gearmotor Rated Peak Torque	422++	In-Lbs	-----
Gearhead Standard Backlash	33	Arc Minutes	MAX
Gearhead Efficiency	75%	-----	-----
Output Shaft Radial Load Capacity	135	Lbs	MAX
Output Shaft Axial Load Capacity	27	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	2.7	AMPERES	-----
No-Load Speed	3114	RPM	MAX
Rated Speed	2510	RPM	+/- 15%
Rated Continuous Power Out	178	WATTS	+/- 15%
Rated Continuous Torque	96	OZ-IN	-----
Peak Torque (motor only)	360	OZ-IN	-----
No-Load Current	0.23	AMPERES	MAX
Back EMF Constant (Ke)	28.9	V/KRPM	+/- 10%
Torque Constant (Kt)	39.1	OZ-IN/AMP	+/- 10%
DC Armature Resistance	6.51	OHMS	+/- 15%
Armature Inductance	5.61	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