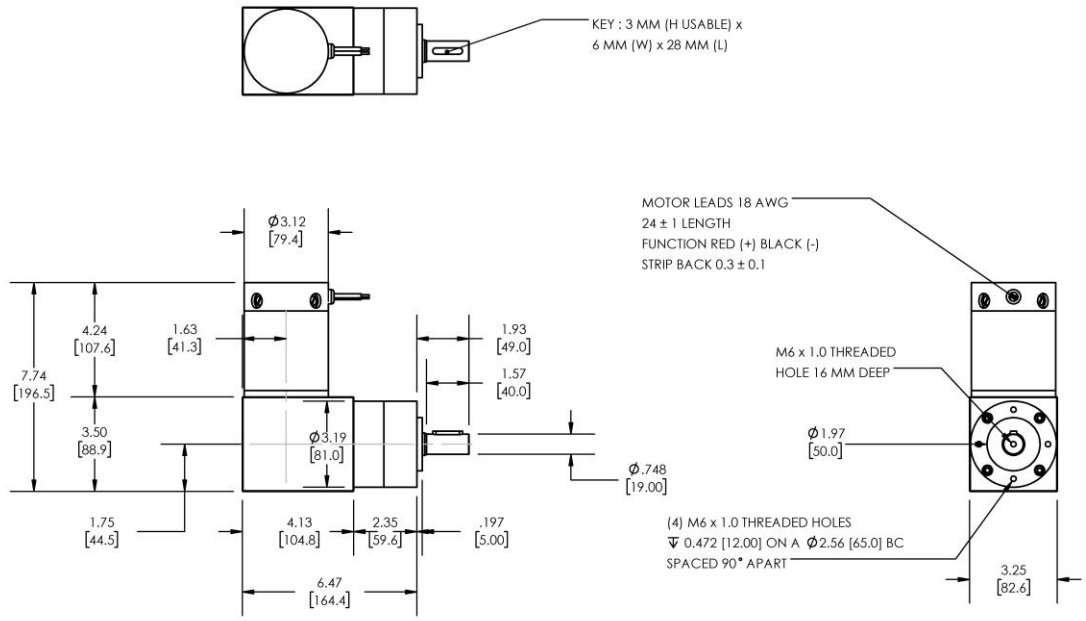
REVERSIBLE BRUSHED
DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP D33-455E-24V GRA81-007



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	6.75 : 1		
Gearhead Shaft Output Speed (at full-load)	374	RPM	MAX
Gearmotor Rated Continuous Torque	33	In-Lbs	MAX
Gearmotor Rated Peak Torque	92++	In-Lbs	-----
Gearhead Standard Backlash	30	Arc Minutes	MAX
Gearhead Efficiency	80%	-----	-----
Output Shaft Radial Load Capacity	90	Lbs	MAX
Output Shaft Axial Load Capacity	18	Lbs	MAX
Gearmotor Total Weight	14	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	24	DC VOLTS	-----
Rated Continuous Current	11.4	AMPERES	-----
No-Load Speed	3429	RPM	MAX
Rated Speed	2527	RPM	+/- 15%
Rated Continuous Power Out	184	WATTS	+/- 15%
Rated Continuous Torque	99	OZ-IN	-----
Peak Torque (motor only)	273	OZ-IN	-----
No-Load Current	0.94	AMPERES	MAX
Back EMF Constant (Ke)	7.0	V/KRPM	+/- 10%
Torque Constant (Kt)	9.5	OZ-IN/AMP	+/- 10%
DC Armature Resistance	0.55	OHMS	+/- 15%
Armature Inductance	0.34	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