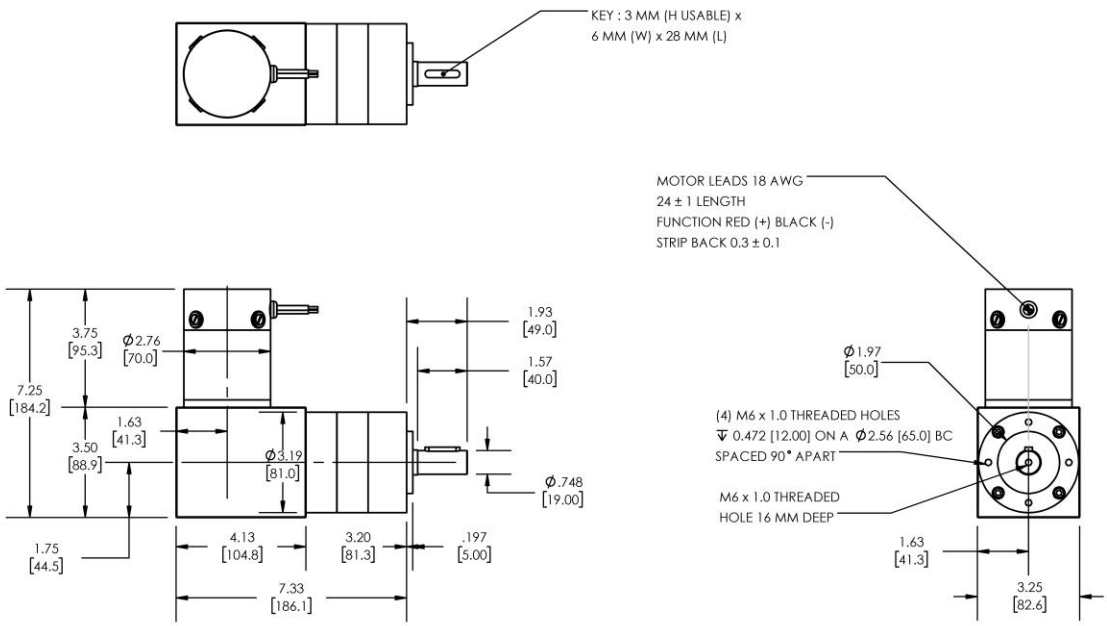
REVERSIBLE BRUSHED DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP S27-411K-90V GRA81-029



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	28.93 : 1		
Gearhead Shaft Output Speed (at full-load)	106	RPM	MAX
Gearmotor Rated Continuous Torque	167	In-Lbs	MAX
Gearmotor Rated Peak Torque	793++	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	13	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	4.3	AMPERES	-----
No-Load Speed	3659	RPM	MAX
Rated Speed	3060	RPM	+/- 15%
Rated Continuous Power Out	279	WATTS	+/- 15%
Rated Continuous Torque	123	OZ-IN	-----
Peak Torque (motor only)	585	OZ-IN	-----
No-Load Current	0.60	AMPERES	MAX
Back EMF Constant (Ke)	24.6	V/KRPM	+/- 10%
Torque Constant (Kt)	33.3	OZ-IN/AMP	+/- 10%
DC Armature Resistance	3.41	OHMS	+/- 15%
Armature Inductance	2.20	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