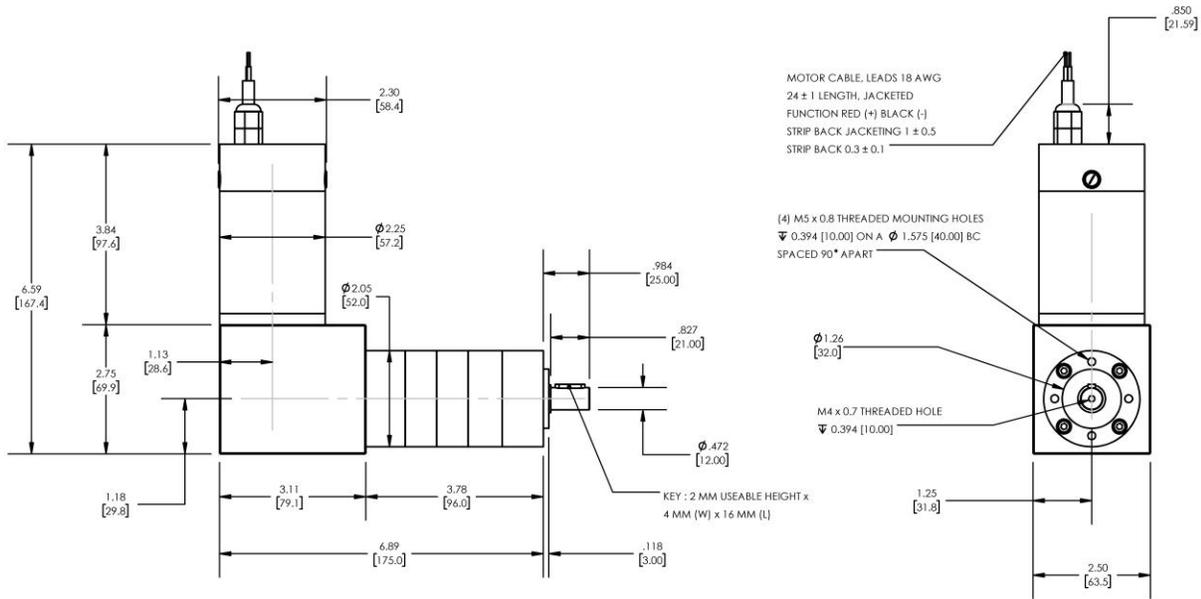




REVERSIBLE BRUSHED DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP TM57-90V GRA52-1140



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|--|--------------|-------------|-----------|
| Gearhead Ratio (exact) | 1139.73 : 1 | | |
| Gearhead Shaft Output Speed (at full-load) | 4.0 | RPM | MAX |
| Gearmotor Rated Continuous Torque | 443 | In-Lbs | MAX |
| Gearmotor Rated Peak Torque | 443++ | In-Lbs | ---- |
| Gearhead Standard Backlash | 51 | Arc Minutes | MAX |
| Gearhead Efficiency | 65% | ---- | ---- |
| Output Shaft Radial Load Capacity | 113 | Lbs | MAX |
| Output Shaft Axial Load Capacity | 45 | Lbs | MAX |
| Gearmotor Total Weight | 6.5 | 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 | 0.56 | AMPERES | ---- |
| No-Load Speed | 5000 | RPM | MAX |
| Rated Speed | 4555 | RPM | +/- 15% |
| Rated Continuous Power Out | 32 | WATTS | +/- 15% |
| Rated Continuous Torque | 9.6 | OZ-IN | ---- |
| Peak Torque (motor only) | 103 | OZ-IN | ---- |
| No-Load Current | 0.17 | AMPERES | MAX |
| Back EMF Constant (Ke) | 18.0 | V/KRPM | +/- 10% |
| Torque Constant (Kt) | 24.3 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 14.20 | OHMS | +/- 15% |
| Armature Inductance | 18.32 | mH | +/- 15% |
| Armature temperature | 155 | DEG. C | MAX |

NOTES:

- NEMA MOUNTING FLANGE OPTION AVAILABLE - [FOLLOW THIS LINK FOR DETAILS](#)

MIDWEST MOTION PRODUCTS, INC

DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

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