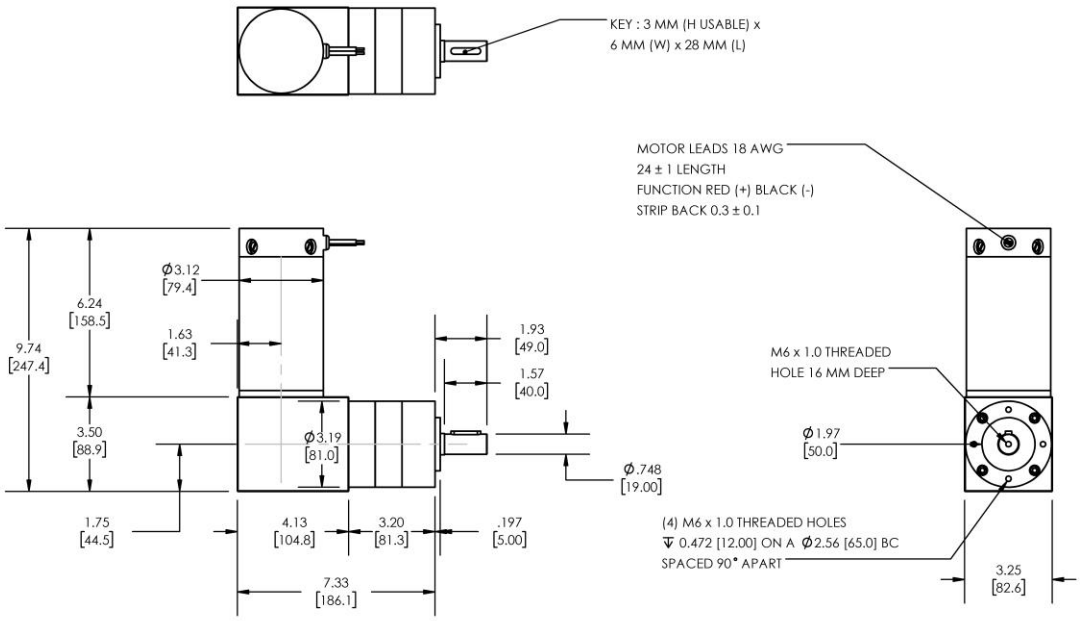
# REVERSIBLE BRUSHED DC RIGHT-ANGLED GEARMOTOR

**Model Number:**

# MMP D33-655H-90V GRA81-035




| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|---|---|---|---|
| Gearhead Ratio (exact) | 34.97 : 1 | | |
| Gearhead Shaft Output Speed (at full-load) | 103 | RPM | MAX |
| Gearmotor Rated Continuous Torque | 246 | In-Lbs | MAX |
| Gearmotor Rated Peak Torque | 1062++ | 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 | 17 | 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 | 5.3 | AMPERES | ----- |
| No-Load Speed | 4036 | RPM | MAX |
| Rated Speed | 3588 | RPM | +/- 15% |
| Rated Continuous Power Out | 397 | WATTS | +/- 15% |
| Rated Continuous Torque | 150 | OZ-IN | ----- |
| Peak Torque (motor only) | 963 | OZ-IN | ----- |
| No-Load Current | 0.36 | AMPERES | MAX |
| Back EMF Constant (Ke) | 22.3 | V/KRPM | +/- 10% |
| Torque Constant (Kt ) | 30.2 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 1.88 | OHMS | +/- 15% |
| Armature Inductance | 1.34 | 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