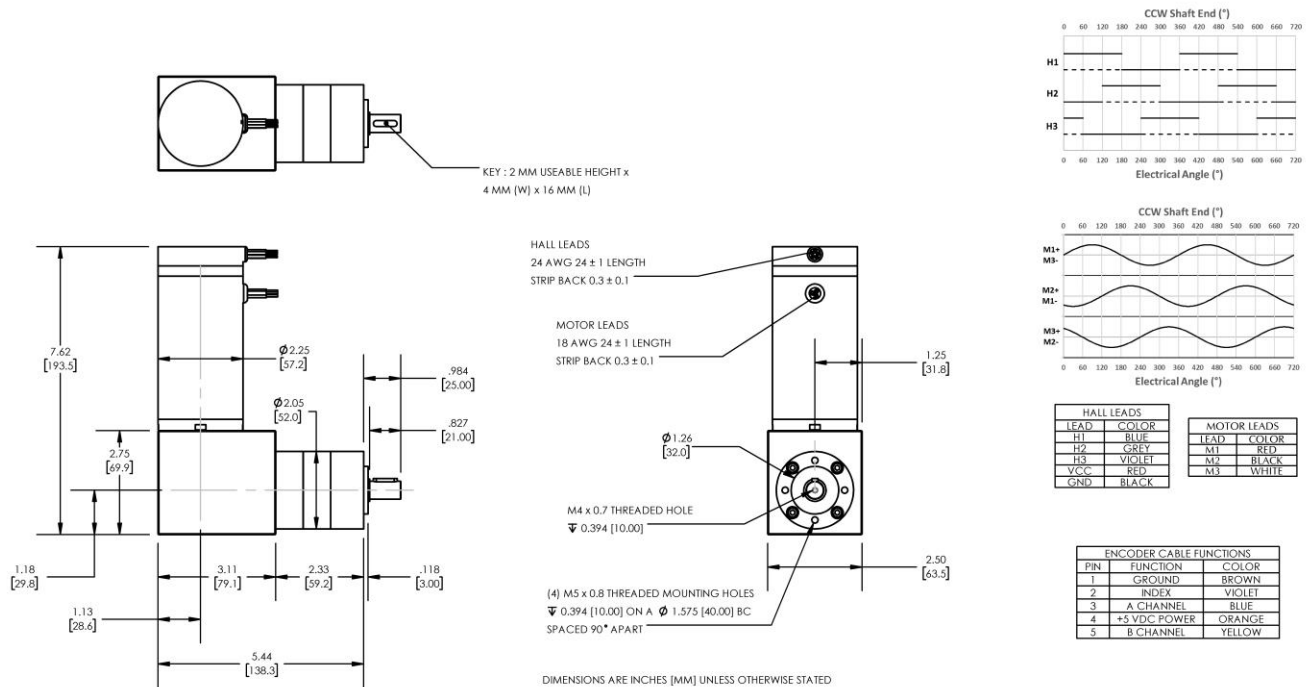




# REVERSIBLE BRUSHLESS DC RIGHT-ANGLED GEARMOTOR

Model Number:

**MMP BL58-487H-90V GRA52-016**



## PLANETARY GEARMOTOR OUTPUT PARAMETERS:

|                                            | VALUE     | UNITS       | TOLERANCE |
|--------------------------------------------|-----------|-------------|-----------|
| Gearhead Ratio (exact)                     | 15.88 : 1 |             |           |
| Gearhead Shaft Output Speed (at full-load) | 305       | RPM         | MAX       |
| Gearmotor Rated Continuous Torque          | 86        | In-Lbs      | MAX       |
| Gearmotor Rated Peak Torque                | 212++     | In-Lbs      | ----      |
| Gearhead Standard Backlash                 | 45        | Arc Minutes | MAX       |
| Gearhead Efficiency                        | 75%       | ----        | ----      |
| Output Shaft Radial Load Capacity          | 72        | Lbs         | MAX       |
| Output Shaft Axial Load Capacity           | 23        | Lbs         | MAX       |
| Gearmotor Total Weight                     | 6.0       | 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   | 5.7   | AMPERES   | ----      |
| No-Load Speed              | 5769  | RPM       | MAX       |
| Rated Speed                | 4838  | RPM       | +/- 15%   |
| Rated Continuous Power Out | 410   | WATTS     | +/- 15%   |
| Rated Continuous Torque    | 115   | OZ-IN     | ----      |
| Peak Torque (motor only)   | 496   | OZ-IN     | ----      |
| No-Load Current            | 0.26  | AMPERES   | MAX       |
| Back EMF Constant (Ke)     | 15.6  | V/KRPM    | +/- 10%   |
| Torque Constant (Kt)       | 21.1  | OZ-IN/AMP | +/- 10%   |
| DC Armature Resistance     | 2.55  | OHMS      | +/- 15%   |
| Armature Inductance        | 2.40  | 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](#)

# MIDWEST MOTION PRODUCTS, INC

DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

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