



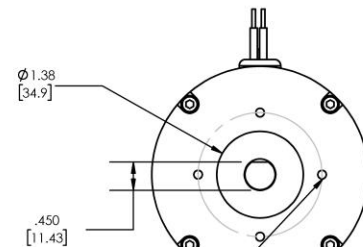
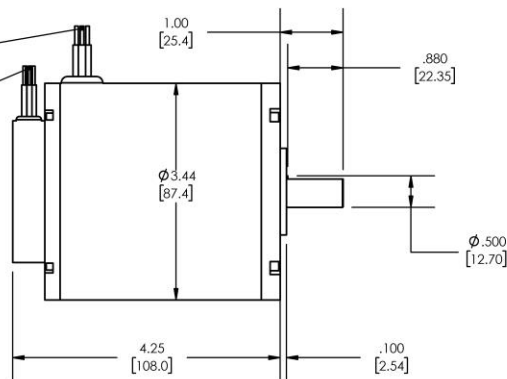
# REVERSIBLE BRUSHLESS DC MOTOR

**Model Number:**

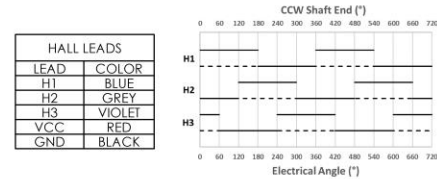
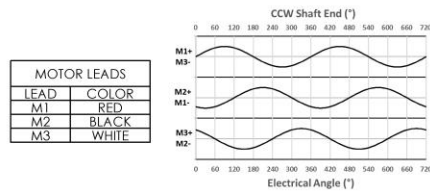
**MMP BL86-425F-36V**

MOTOR LEADS  
14 AWG 24 ± 1 LENGTH  
STRIP BACK 0.3 ± 0.1

HALL LEADS  
24 AWG 24 ± 1 LENGTH  
STRIP BACK 0.3 ± 0.1



(4) #8-32 THREADED MOUNTING HOLES  
▽ 0.350 [8.89] ON A Ø 1.970 [50.04] BC  
SPACED 90° APART



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| DC MOTOR PERFORMANCE PARAMETERS: | VALUE | UNITS     | TOLERANCE |
|----------------------------------|-------|-----------|-----------|
| Rated DC Voltage                 | 36    | DC VOLTS  | ----      |
| Rated Continuous Current         | 14.9  | AMPERES   | ----      |
| No-Load Speed                    | 4675  | RPM       | MAX       |
| Rated Speed                      | 3159  | RPM       | +/- 15%   |
| Rated Continuous Power Out       | 343   | WATTS     | +/- 15%   |
| Rated Continuous Torque          | 147   | OZ-IN     | ----      |
| Peak Torque (motor only)         | 320   | OZ-IN     | ----      |
| No-Load Current                  | 0.86  | AMPERES   | MAX       |
| Back EMF Constant (Ke)           | 7.7   | V/KRPM    | +/- 10%   |
| Torque Constant (Kt)             | 10.4  | OZ-IN/AMP | +/- 10%   |
| DC Armature Resistance           | 0.78  | OHMS      | +/- 15%   |
| Armature Inductance              | 0.69  | 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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