

2 HP Explosion Proof Motor - Class I, II - 115/230V 1PH 60 Hz - 3450 RPM - C Face/Foot Mount - NEMA

Part #: EXP-MTR-1P-115.230-2HP-3.6K-56HC



The Larson Electronics EXP-MTR-1P-115.230-2HP-3.6K-56HC Explosion Proof Motor is recommended for use in Class I, Divisions 1 & 2 Groups C, D and Class II, Divisions 1 & 2 Groups E, F, G rated work sites. The 2 HP unit is compatible with 115/230V AC single phase 60 Hz and offers 9.8 FLA. This Class F insulation rated explosion proof motor features a NEMA 56H motor frame and can be installed with industrial systems via an integrated mounting foot and C-face flange.

The EXP-MTR-1P-115.230-2HP-3.6K-56HC is a fractional explosion proof motor for flammable work sites. This thermally protected unit operates with 115/230V AC single phase 60 Hz. The 2 HP motor offers 9.8 full-load amps and 4.4 amps of no-load current. Capable of generating 3,450 RPM, the unit provides 3 lbs. ft. of torque, with 120% locked rotor torque and 250% break down torque. This motor is totally enclosed and fan-cooled (TEFC).

The IP55-rated explosion proof motor features an ambient temperature rating of 50°C. Equipped with aluminum endshields, this unit is protected by a NEMA 56H motor frame and features Class F insulation, with 1.0 service factor.

Wiring: The EXP-MTR-1P-115.230-2HP-3.6K-56HC comes with 24" of +2/-0 leads for electrical connections and an unassembled aluminum conduit box.

Mount: The EXP-MTR-1P-115.230-2HP-3.6K-56HC contains C-face flange and foot mounting components for supporting the motor's weight at both ends. The face of the motor features threaded mounting holes for ease of installation. Feet components are typically fixed on the surface, which reduces unnecessary movements during operation.

Applications: Hazardous locations, industrial facilities, pumps, mixers, conveyors, manufacturing, food processing, chemical plants and more. At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Specifications / Additional Information**EXP-MTR-1P-115.230-2HP-3.6K-56HC Explosion Proof Motor****Dimensions:** 14.54" x 6.92" x 6.98"**Weight:** 43 lbs**Phase:** Single Phase**Voltage:** 115/230V AC**Frequency:** 60 Hz**Poles:** 2**Output Horsepower:** 2 HP**Kilowatt:** 1.5 KW**Rotations per Minute:** 3450 RPM**Torque:** 3 lb. ft.**Locked Rotor Torque:** 120%**Break Down Torque:** 250%**L.R. Time:** 4s**Inertia:** 0.02254 sq. ft. lb.**Motor Frame:** NEMA 56H**Full Load Amps:** 9.8 FLA**No Load Current:** 4.4A**Locked Rotor Current (I_L/I_n):** 6.5**Efficiency:** 78.1 (100%), 77 (75%), 74 (50%)**Power Factor:** 0.85 (100%), 0.80 (75%), 0.70 (50%)**Service Factor:** 1**Insulation:** Class F**Noise:** -**Ambient Temperature Rating:** 50°C**Materials:** Aluminum**Mount:** C Face Flange, Foot Mount**Wiring:** 24" (+2/-0) Leads**Color:** Black[Scroll Down to Purchase](#)

This product does not qualify for free shipping.

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Ratings

Listed for United States & Canada

Class I, Divisions 1&2 Groups C,D

Class II, Divisions 1&2 Groups E,F,G

T3B Temperature Rating

IP55

TEFC Cooling

Aluminum Endshields

Special Orders- Requirements

Contact us for special requirements

Phone: 1-214-616-6180**Toll Free:** 1-800-369-6671**Fax:** 1-903-498-3364**E-mail:** sales@larsonelectronics.com

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- [Hi-Res Image 1- Explosion Proof Motor](#)