

1/2 HP Explosion Proof Motor - Class I, II - 230V 1PH - 3600 RPM - Foot Mount - TEFC, T3B

Part #: EXP-MTR-1P-230-50HZ-0.5HP-3.6K-56



The Larson Electronics EXP-MTR-1P-230-50HZ-0.5HP-3.6K-56 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 1/2 HP unit is compatible with 230V AC single phase 60 Hz and offers 3.4 FLA. This Class F insulation rated explosion proof motor features a NEMA 56 motor frame and can be installed with industrial systems via an integrated mounting foot.

The EXP-MTR-1P-230-50HZ-0.5HP-3.6K-56 is a fractional explosion proof motor for flammable work sites. This thermally protected unit operates with 230V AC single phase 60 Hz. The 1/2 HP motor offers 3.4 full-load amps and 2.5 amps of no-load current. Capable of generating 3,600 RPM, the unit provides 0.751 lb. ft. of torque, with 200% locked rotor torque and 280% 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 56 motor frame and features Class F insulation, with 1.0 service factor.

Wiring: The EXP-MTR-1P-230-50HZ-0.5HP-3.6K-56 comes with a 12" x 12" x 8" NEMA-rated explosion proof box for completing electrical connections.

Mount: The EXP-MTR-1P-230-50HZ-0.5HP-3.6K-56 is foot mounted for supporting the motor's weight for sturdy, secure installations. 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-230-50HZ-0.5HP-3.6K-56 Explosion Proof Motor****Motor Dimensions:** 12.54" x 6.92" x 6.98"**Box Dimensions:** 12" x 12" x 8"**Weight:** -**Phase:** Single Phase**Voltage:** 230V AC**Frequency:** 60 Hz**Poles:** 2**Output Horsepower:** 1/2 HP**Kilowatt:** -**Rotations per Minute:** 3600 RPM**Torque:** 0.751 lb. ft.**Locked Rotor Torque:** 200%**Break Down Torque:** 280%**L.R. Time:** 11s**Inertia:** 0.01020 sq. ft. lb.**Motor Frame:** NEMA 56**Full Load Amps:** 3.4 FLA**No Load Current:** 2.5A**Locked Rotor Current (I_L/I_n):** 5.9**Efficiency:** 64.3 (100%), 60 (75%), 50 (50%)**Power Factor:** 0.75 (100%), 0.68 (75%), 0.58 (50%)**Service Factor:** 1**Insulation:** Class F**Noise:** -**Ambient Temperature Rating:** 50°C**Materials:** Aluminum**Mount:** Foot Mount**Wiring:** -**Color:** Black**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[Scroll Down to Purchase](#)

This product does not qualify for free shipping.

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Links (Click on the below items to view):

- [Dimensional Drawing](#)

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