

EXP-MTR-3P-230.460-3HP-1.8K-182

3 HP Explosion Proof Motor - Class I, II - 230/460V 3PH 60 Hz - 1800 RPM - Foot Mount - 182 Frame

Product ID: 270485

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

EXP-MTR-3P-230.460-3HP-1.8K-182 Explosion Proof Motor

Listing: United States & Canada

Dimensions: 15.862" x 11.193" x 8.909"

Weight: 130 lbs

Phase: Three Phase

Voltage: 230/460V AC

Frequency: 60 Hz

Poles: 4

Output Horsepower: 3 HP

Kilowatt: 2.2 KW

Rotations per Minute: 1800 RPM

Motor Frame: 182

Full Load Amps: 3.91 FLA @ 230/460V

FL Efficiency: 89.5%

Service Factor: 1.15

Insulation: Class F

Noise: 56 dBA

Ambient Temperature Rating: -20°C to 40°C

Materials: Aluminum

Mount: Foot Mount

Wiring: 24" (+2/-0) Leads

Ratings

Class I, Division 1 Groups C,D

Class II, Division 1 Groups F,G

IP54

TEFC Cooling

Aluminum Endshields

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Color: Blue

Fax: 1-903-498-3364

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The Larson Electronics EXP-MTR-3P-230.460-3HP-1.8K-182 Explosion Proof Motor is recommended for use in Class I, Division 1 Groups C, D and Class II, Division 1 Groups F, G rated work sites. The 1 HP unit is compatible with three-phase 230/460V AC 60 Hz and offers 3.91 FLA. This Class F insulation rated explosion proof motor features a 182 motor frame and can be installed with industrial systems via an integrated mounting foot.

The EXP-MTR-3P-230.460-3HP-1.8K-182 is a fractional explosion proof motor for flammable work sites. This thermally protected unit operates with three-phase 230/460V AC, 60 Hz. The 3 HP motor offers 3.91 full-load amps @ 230/460V with 89.5% full-load efficiency. Capable of generating 1800 RPM, this motor is totally enclosed and fan-cooled (TEFC).

The IP54-rated explosion proof motor features an ambient temperature rating of 40°C. Equipped with aluminum endshields, this unit is protected by a 182 motor frame and features Class F insulation, with 1.15 service factor.

Wiring: The EXP-MTR-3P-230.460-3HP-1.8K-182 comes with 24" of +2/-0 leads for electrical connections and an unassembled aluminum conduit box.

Mount: The EXP-MTR-3P-230.460-3HP-1.8K-182 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.

Frequently Asked Questions (FAQ)



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Export Control Classification Number (ECCN): EAR99

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- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)