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EXP-MTR-3P-480-5HP-1.75K-184VP

5 HP Explosion Proof Motor - Class I, II - 480V 3PH, 60Hz - 1750 RPM - Foot Mount - 184VP Frame

Product ID: 313221



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-480-5HP-1.75K-184VP Explosion Proof Motor

Listing: United States & Canada
Dimensions: 13.752" x 8.677"
Weight: 73.4 lbs
Phase: Three Phase
Voltage: 480V AC
Frequency: 60 Hz
Poles: 4
Output Horsepower: 5 HP
Kilowatt: 3.7 kW
Rotations per Minute: 1750 RPM
Motor Frame: 184VP
Rated Current: 8.3A
Locked Rotor Amps (LRA): 58.0A
No-load Current: 4.45A
Service Factor: 1.15
Insulation: Class F
Noise: 51 dBA
Ambient Temperature Rating: -20°C to 40°C
Materials: Cast Iron
Mount: Foot Mount
Wiring: 24" (+2/-0) Leads
Terminal Box Hub: 3/4" NPT

Ratings

Class I, Division 1 Groups C,D
Class II, Division 1 Groups F,G
IP55
TEFC Cooling

Special Orders- Requirements

Contact us for special requirements

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Color: Blue

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The Larson Electronics EXP-MTR-3P-480-5HP-1.75K-184VP 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 5 HP unit is compatible with three-phase 480V AC 60 Hz and provides 8.3A rated current. This Class F insulation rated explosion proof motor features a 1845VP motor frame and can be installed with industrial systems via an integrated mounting foot.

The EXP-MTR-3P-480-5HP-1.75K-184VP is a fractional explosion proof motor for flammable work sites. This thermally protected unit operates with three-phase 480V AC, 60 Hz. The 5 HP motor offers 8.3A locked rotor amps. Capable of generating 1750 RPM, this motor is totally enclosed and fan-cooled (TEFC).

The IP55-rated explosion proof motor features an ambient temperature rating of 40°C. This unit is protected by a 184VP motor frame and features Class F insulation, with 1.15 service factor.

Wiring: The EXP-MTR-3P-480-5HP-1.75K-184VP comes with 24" of +2/-0 leads for electrical connections and an unassembled aluminum conduit box. This terminal box contains a 3/4" NPT hub.

Mount: The EXP-MTR-3P-480-5HP-1.75K-184VP is foot mounted for supporting the motor's weight, resulting in sturdy and 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)