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EXP-MTR-3P-230V-2HP-1.5K-145C

2 HP Explosion Proof Motor - Class I, II - 208V 3PH 60Hz, 5.97 FLA - 1500 RPM - C Face/Foot Mount - NEMA 145C Motor Frame

Product ID: 316729



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-230V-2HP-1.5K-145C Explosion Proof Motor
Dimensions: 15.04" x 6.92" x 6.98"
Weight: 48 lbs
Phase: Three Phase
Voltage: 230V AC
Frequency: 60 Hz
Poles: 4
Output Horsepower: 2 HP
Kilowatt: 1.5 KW
Rotations per Minute: 1500 RPM
Motor Frame: NEMA 145C
Full Load Amps @ High: 5.97 FLA
FL Efficiency: 86.5%
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

Ratings
Listed for United States & Canada
Class I, Division 1 Groups C,D
Class II, Division 1 Groups F,G
T3B Temperature Rating
IP55
TEFC Cooling
Aluminum Endshields

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671
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E-mail: sales@larsonelectronics.com

The Larson Electronics EXP-MTR-3P-230V-2HP-1.5K-145C 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 2 HP unit is compatible with 230V AC three phase 60 Hz and offers 5.97 FLA @ high. This Class F insulation rated explosion proof motor features a NEMA 145C motor frame and can be installed with industrial systems via an integrated mounting foot and C-face flange.

The EXP-MTR-3P-230V-2HP-1.5K-145C is a fractional explosion proof motor for flammable work sites. This thermally protected unit operates with 230V AC three phase 60 Hz. The 2 HP motor offers 5.97 full-load amps @ high with 86.5% full-load efficiency. Capable of generating 1,500 RPM, 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 145C motor frame and features Class F insulation, with 1.0 service factor.

Wiring: The EXP-MTR-3P-230V-2HP-1.5K-145C comes with 24" of +2/-0 leads for electrical connections and an unassembled aluminum conduit box.

Mount: The EXP-MTR-3P-230V-2HP-1.5K-145C 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.


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WARNING - POTENTIAL EXPLOSION
ADVERTISSEMENT - EXPLOSION POTENTIAL
WARNING - ELECTRICAL SHOCK
ADVERTISSEMENT - CHOC ELECTRIQUE
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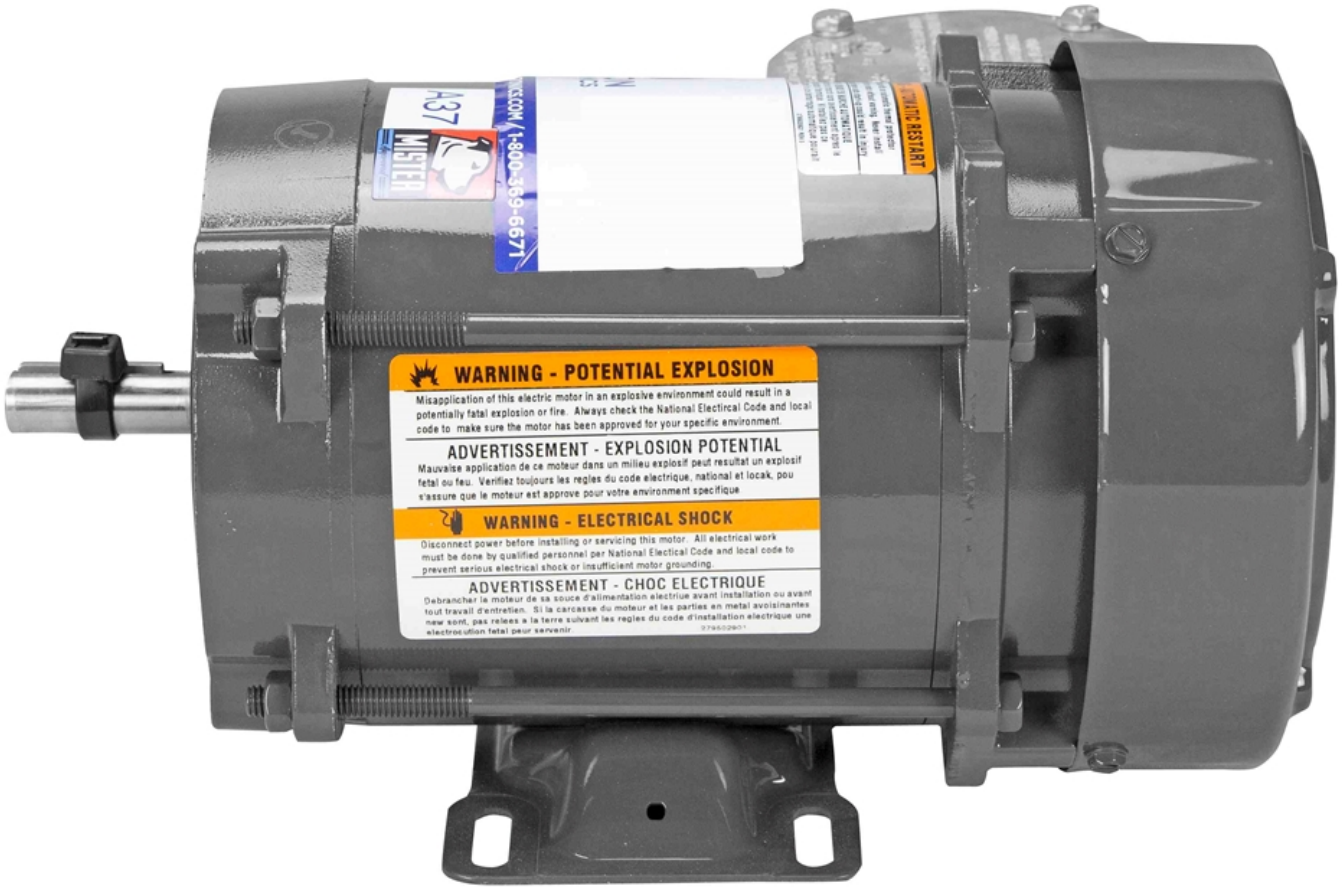
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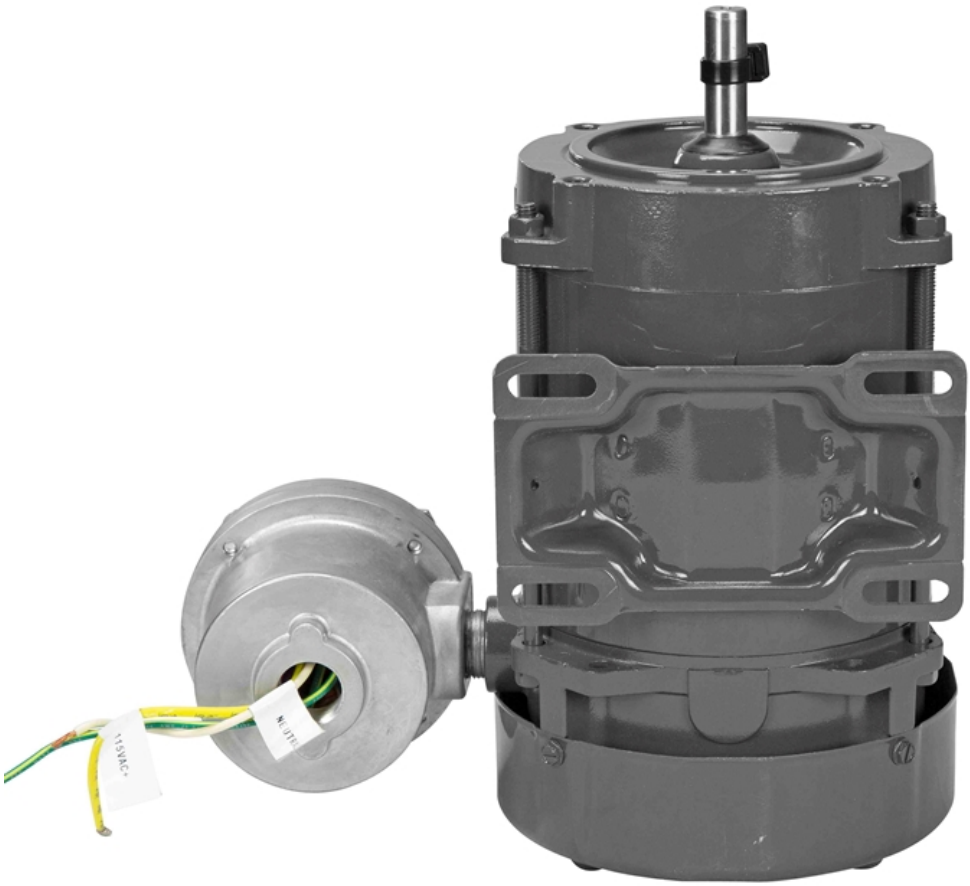
WARNING - POTENTIAL EXPLOSION
Misapplication of this electric motor in an explosive environment could result in a potentially fatal explosion or fire. Always check the National Electircal Code and local code to make sure the motor has been approved for your specific environment.
ADVERTISSEMENT - EXPLOSION POTENTIAL
Mauvaise application de ce moteur dans un milieu explosif peut resultat un explosif fetal ou feu. Verifiez toujours les regles du code electrique, national et locak, pou s'assure que le moteur est approve pour votre environment specifique
WARNING - ELECTRICAL SHOCK
Disconnect power before installing or servicing this motor. All electrical work must be done by qualified personnel per National Electical Code and local code to prevent serious electrical shock or insufficient motor grounding.
ADVERTISSEMENT - CHOC ELECTRIQUE
Debrancher le moteur de sa souce d'alimentation electriue avant installation ou avant tout travail d'entretien. Si la carcasse du moteur et les parties en metal avoisinantes new sont, pas relees a la terre suivant les regles du code d'installation electrique une electrocution fetal peur servenir.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Frequently Asked Questions (FAQ)