

ATX-EXP-MTR-3P-400-2HP-1.5K-100SL

2 HP Flameproof Motor - ATEX/IECEX - 400V AC, 3PH 50 Hz - 1500 RPM - Foot Mount - 100L Frame

Product ID: 265381

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.

ATX-EXP-MTR-3P-400-2HP-1.5K-100SL Flameproof Motor

Listing: NRTL Listed for European Union, International

Dimensions: -

Weight: 115 lbs

Phase: Three Phase

Voltage: 400V AC

Frequency: 50 Hz

Poles: 4P

Output Horsepower: 2 HP

Kilowatt: 1.5 KW

Rotations per Minute: 1500 RPM

Motor Frame: 100L

Slip: 5%

Rated Current: 3.21A

LR Amps: 21.2A

LRC: 6.6

No Load Current: 1.6A

Rated Torque: 7.42 ft lb

Locked Rotor Torque: 280%

Breakdown Torque: 300%

Locked Rotor Time: 36s (Cold), 20s (Hot)

Ratings

ATEX/IEC Rated Flameproof Motor

IEC Ex Zone 1, Groups IIA and IIB, T4

IEC Ex Zone 2, Groups IIA and IIB, T4

Ex II 2G Ex db IIB T4 Gb

T4 Temperature Rating

TEFC Cooling

IP56

Suitable for VFDs, Wye/Delta Start

Gasketed Conduit Box

CE Certified

Moment of Inertia (J): 0.1597 sq.ft.lb

Duty Cycle: S1

Starting Method: Direct on Line

Altitude: 1000 masl

Enclosure: IC411 - TEFC

Rotation: Both (CW and CCW)

Noise Level: 53 dBA

Service Factor: 1.00

Insulation: Class F (Class H Impregnated Resin/Magnet Wire)

Design: N

Nameplate: Stainless Steel, Laser Etched w/ High Contrast Background

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

Temp Rise: 80 K

Materials: Aluminum, Conductive Plastic Fan

Mount: Foot Mount (F3 Standard)

Wiring: 24" (+2/-0) Leads, Gasketed Conduit Box

Color: Blue

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics ATX-EXP-MTR-3P-400-2HP-1.5K-100SL Flameproof Motor is recommended for use in explosive work sites. The 2 HP unit is compatible with three-phase 400V AC, 50 Hz and offers 3.21 amps. This ATEX/IECex rated motor features a 100L motor frame and can be installed with industrial systems via an integrated mounting foot.

The ATX-EXP-MTR-3P-400-2HP-1.5K-100SL is a fractional flameproof motor for combustible work sites. This thermally protected unit operates with three-phase 400V AC, 50 Hz. The 2 HP motor offers 3.21 amps and direct-on-line starting method. Capable of generating 1500 RPM, this motor is totally enclosed and fan-cooled (TEFC).

Constructed of aluminum, the unit contains a conductive plastic fan and a stainless steel nameplate (laser etched with high contrast background). The IP56-rated motor features a T4 temperature rating. Equipped with a lip seal on both endshields, this unit is protected by a 100L motor frame and features Class F insulation, with 1.00 service factor. The impregnated resin and magnet wire are Class H insulated. This Design-N model is suitable for use with VFDs and applications requiring Wye/Delta start.

Wiring: The ATX-EXP-MTR-3P-400-2HP-1.5K-100SL comes with 24" of +2/-0 leads for electrical connections and a gasketed conduit box.

Mount: The ATX-EXP-MTR-3P-400-2HP-1.5K-100SL is foot mounted (F3 standard) 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: ATEX/IEC rated sites, VFDs, Wye/Delta start, 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

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)