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EXP-MTR-3P-230-1HP-3.6K-143.5T

1 HP Explosion Proof Motor - Class I, II - 230V 3PH 60 Hz - 3600 RPM - Foot Mount - 143/5T Frame

Product ID: 222736



Image: EXP-MTR-3P-230-1HP-3.6K-143.5T

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-230-1HP-3.6K-143.5T Explosion Proof Motor
Dimensions: 13.556" x 7.047" x 7.122"
Weight: 64 lbs
Phase: Three Phase
Voltage: 230V AC
Frequency: 60 Hz
Poles: 2
Output Horsepower: 1 HP
Kilowatt: 0.75 KW
Rotations per Minute: 3600 RPM
Motor Frame: 143/5T
Full Load Amps @ High: 1.41 FLA
FL Efficiency: 81.5%
Service Factor: 1.15
Insulation: Class F
Noise: -
Ambient Temperature Rating: 50°C
Materials: Aluminum
Mount: Foot Mount
Wiring: 24" (+2/-0) Leads
Color: Blue

Ratings
Listed for United States & Canada
Class I, Division 1 Groups C,D
Class II, Division 1 Groups F,G
T3C 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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The Larson Electronics EXP-MTR-3P-230-1HP-3.6K-143.5T 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 230V AC three phase 60 Hz and offers 1.41 FLA @ high. This Class F insulation rated explosion proof motor features a 143/5T motor frame and can be installed with industrial systems via an integrated mounting foot.

The EXP-MTR-3P-230-1HP-3.6K-143.5T is a fractional explosion proof motor for flammable work sites. This thermally protected unit operates with 230V AC three phase 60 Hz. The 1 HP motor offers 1.41 full-load amps @ high with 81.5% full-load efficiency. Capable of generating 3,600 RPM, this motor is totally enclosed and fan-cooled (TEFC).

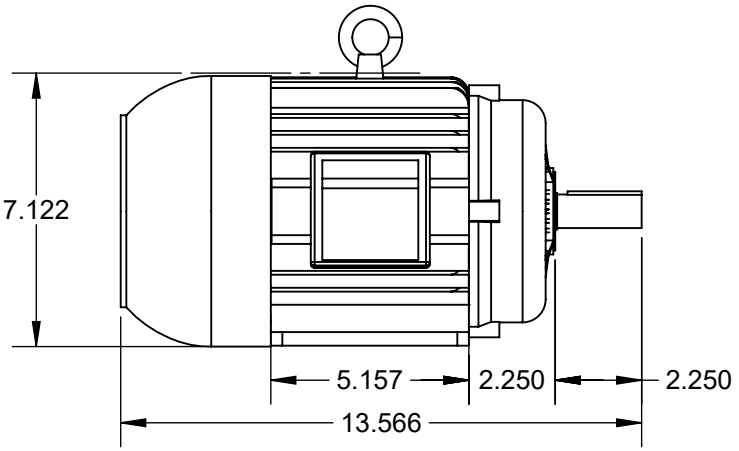
The IP55-rated explosion proof motor features an ambient temperature rating of 50°C. Equipped with aluminum endshields, this unit is protected by a 143/5T motor frame and features Class F insulation, with 1.15 service factor.

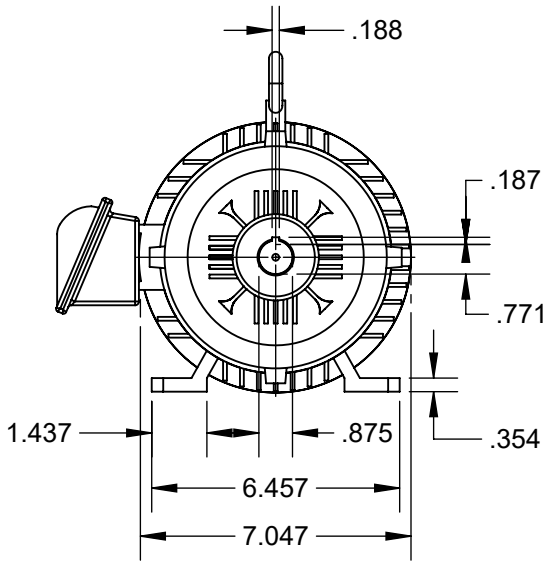
Wiring: The EXP-MTR-3P-230-1HP-3.6K-143.5T comes with 24" of +2/-0 leads for electrical connections and an unassembled aluminum conduit box.

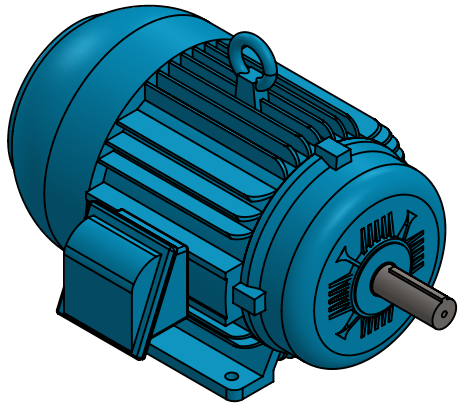
Mount: The EXP-MTR-3P-230-1HP-3.6K-143.5T is foot mounted for supporting the motor`s weight for sturdy, secure installations. Feet components are typically fixed on the surface, which reduces unnecessary movements during operation.

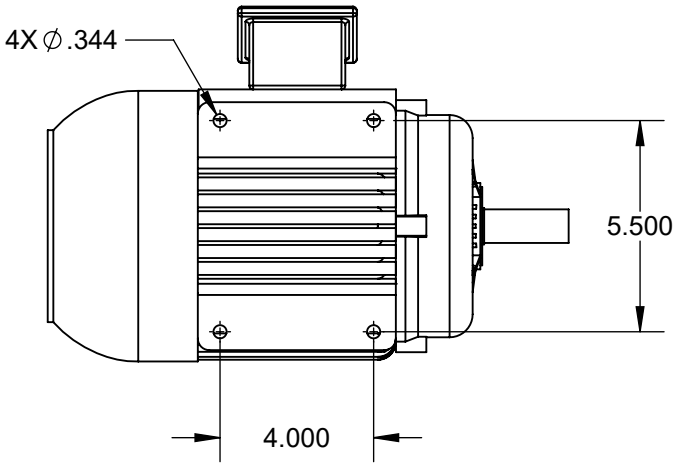
Applications: Hazardous locations, industrial facilities, pumps, mixers, conveyors, manufacturing, food processing, chemical plants and more.

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.









LARSON ELECTRONICS®

PART NUMBER:
XP-MTR-3P-230-1HP-3.6K-143.5T

SIZE		REV
A		1

DIMENSIONS ARE IN INCHES				
DO NOT SCALE DRAWING	DATE	4/13/2026	SCALE: NTS	SHEET 1 OF 1

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Frequently Asked Questions (FAQ)

There are no Faqs