

EXP-MTR-ATEX-3P-460V-145HP-1.76K-280S

145 HP Explosion Proof Motor - ATEX Rated - 460V 3PH 60 Hz, 1760 RPM - 280S Frame - V1 Flange Mount

Product ID: 326042

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



Image: EXP-MTR-ATEX-3P-460V-145HP-1.76K-280S

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-ATEX-3P-460V-145HP-1.76K-280S Explosion Proof Motor

Listing: NRTL Listed for European and International Locations

Dimensions: -

Weight: -

Phase: Three Phase

Voltage: 460V AC

Frequency: 60 Hz

Poles: 4P

Current Rating: 159A

Output Horsepower: 145 HP

Kilowatt: 108 KW

Rotations per Minute: 1760 RPM

Motor Frame: 280S

Service Factor: 1.15

Thermal Overload Protection: 3 × PTC thermistors embedded

Terminal Box Condensation Protection: Included, 230 V space heater

Efficiency: 93.6% (IE3)

Insulation Class: Class F

Temperature Rise Class: Class B

Ambient Temperature Rating: 55°C

Ratings

ATEX Rated

Ex d IIB T4 Gb

IP65

Special Orders - Special Requirements

Contact us for special requirements

Toll



Materials: Cast Iron (Frame)
Mount: Vertical shaft down with flange - V1
Wiring: -

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The Larson Electronics EXP-MTR-ATEX-3P-460V-145HP-1.76K-280S Explosion Proof Motor is recommended for use in ATEX-rated flammable sites. The 145 HP unit is compatible with three-phase 460V 60 Hz. This Class F insulation rated explosion proof motor features a 280S motor frame and can be installed with industrial systems via flange mounting.

The EXP-MTR-ATEX-3P-460V-145HP-1.76K-280S is a flameproof motor for combustible work sites. This thermally protected unit operates with three-phase 460V 60 Hz. The 145 HP motor offers 93.6% efficiency (IE3). Capable of generating 1760 RPM, this motor provides 159A during use. The IP55-rated explosion proof motor features an ambient temperature rating of 55°C. This unit is protected by a 280S motor frame and features Class F insulation.

Mount: The EXP-MTR-ATEX-3P-460V-145HP-1.76K-280S is compatible with flange mounting (vertical, facing up) for sturdy, secure installations.

Applications: ATEX-rated work areas, hazardous locations, industrial facilities, pumps, mixers, conveyors, manufacturing, food processing, chemical plants and more.

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Frequently Asked Questions (FAQ)

There are no Fags



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