Larson Electronics LLC
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Phone: 800.369.6671

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EPF-RME-24-1HP-3P-M1

24" Explosion Proof Upblast Exhaust Fan – 6860 CFM – 1 HP, 280V AC Three Phase – Class I Div 1/2 Groups B, C, D – FRP (Anti-Static) – AMCA Type B – Roof Mounted

Product ID: 336217

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



Image: EPF-RME-24-1HP-3P-M1

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.

EPF-RME-24-1HP-3P-M1 Explosion Proof Ventilation Fan

Listing: United States

Type: Explosion Proof Roof Mounted Upblast Exhaust Fan

Propeller Dimensions: 24" - Diameter

Weight: -

Voltage: 280V AC, 3-Phase

Motor: 1 HP Fully Enclosed Explosion Proof (T3 Rated)

Rotations Per Minutes (RPM): 1,750

Peak CFM (@ 0" SP): 6,860

Max Sound Levels @ 5': 35.4 (sones), 79.67 (db)

Materials: FRP (Anti-Static, Suitable for Group B Hydrogen Service) / Spark-Resistant

Mounting: Roof/Ceiling Mount (Upblast Configuration)

Wiring: Hard-Wire

Ratings/Features

Class I, Divisions 1 & 2 Groups B, C, & D

Class II, Divisions 1 & 2 Groups F & G

Rated for Highly Corrosive Environments (H

Spark-Resistant Construction (AMCA Type E

Built-in Bird Screen

Designed for Continuous Exposure to Highly

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-765-7664

E-mail: sales@larsonelectronics.com

The EPF-RME-24-1HP-3P-M1 from Larson Electronics is an Explosion Proof Upblast Exhaust Fan designed for use in hazardous and highly corrosive environments. Equipped with a built-in bird screen, this unit operates on 3-phase 280 V AC. The 1 horsepower (HP) explosion proof fan is constructed of anti-static fiberglass reinforced plastic (FRP) and is compatible with roof-mounted applications.

The EPF-RME-24-1HP-3P-M1 explosion proof fan is rated for Class I, Divisions 1 & 2, Groups B, C & D and Class II, Divisions 1 & 2, Groups F & G hazardous environments, including areas where hydrogen (H□) and hydrogen sulfide (H□S) are present. This 3-phase explosion proof ventilation fan features a 1 HP fully enclosed motor with a T3 temperature rating and can spin the propeller at a rate of 1,750 rotations per minute (RPM). The unit is capable of delivering up to 6,860 cubic feet per minute (CFM), depending on system requirements.

The explosion proof fan is constructed of anti-static, corrosion-resistant FRP, making it suitable for continuous exposure to highly corrosive vapors, including hydrochloric acid (HCl), nitric acid (HNO□), and sulfur dioxide (SO□). The 24" diameter propeller is designed with spark-resistant construction (AMCA Type B), enhancing safety in hazardous locations.

Voltage: The EPF-RME-24-1HP-3P-M1 operates on 280 V AC, 3-phase power. Alternate voltages may be available upon request.

Wiring: The explosion proof exhaust fan is a hard-wired unit that should be installed in accordance with national, state, and local electrical and mechanical codes.

Mounting: Operators may mount the fan on ceilings or roofings during installation.

Applications: Class I, Group D and Class II, Groups F & G hazardous areas that require ventilation including but not limited to the following: clean rooms, marijuana extraction rooms, laboratory hoods, oil refineries, grain mills, chemical plants, welding shops, chemical storage areas and battery changing areas.

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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Frequently Asked Questions (FAQ)

There are no Faqs

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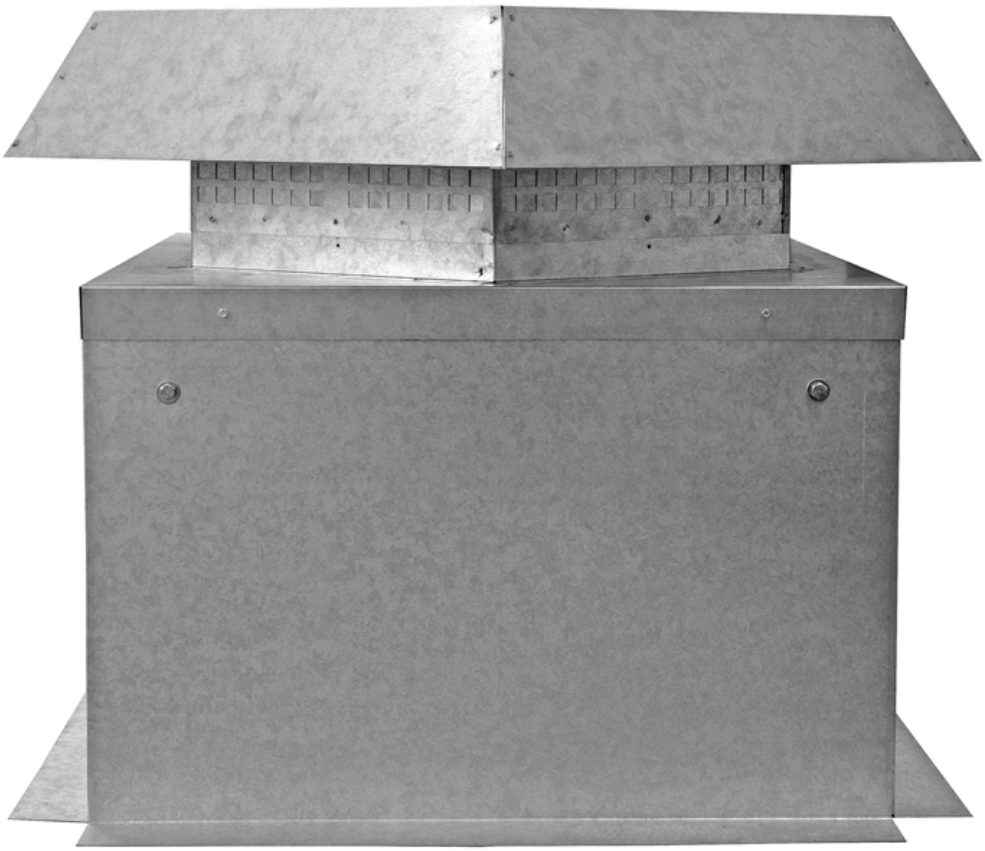

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Export Control Classification Number (ECCN): EAR99

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