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EPF-10P.3-X24-C1D1

Explosion Proof Electric Inline Axial Fan - 24V - C1D1 - 15' Conductive Duct - 10' SOOW w/ EPP

Product ID: 144627

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.

EPF-10P.3-X24-C1D1 Explosion Proof Inline Axial Fan
Air consumption: 38 cfm
Voltage: 24V via Step-Down Transformer
Amps : 86 Dba12.6

Motor: 1/3 Horsepower

CFM Delivery : 1390

Noise Level: 72 dbA @ 3ft

Fan Type: Inline Axial Fan

Transformer Enclosure Rating: C1D1

Size: 16"W x 16.75"H x 12.5"D

Wiring: 10` SOOW w/ 5-15P Explosion Proof Plug

Protection: Dual Lug Ground Body/Automatic Reset Thermal Overload

UL and C-UL Listed
Class I, Div. 1 & 2, Groups C and D
Class II, Div. 1 & 2, Groups E, F, G
T4 Temp rating -30°C to 160°C

Meets UL and Canadian UL Safety Ratings

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics EPF-10P.3-X24-C1D1 Explosion Proof Electric Inline Axial Fan with 21 foot static conductive duct is UL and CUL listed and safely and effectively redirects stale air from hazardous location areas. This fan includes a 15 foot static conductive duct and a shorter 6 foot conductive duct, is designed for portability, and can be linked in series when larger lengths of conductive duct are needed. The EPF-10P.3-X24-C1D1 is configured to operate natively on 24V through the use of a step-down transformer. This allows the fan to operate at 120V while power is drawn from a 24V source.

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This explosion proof fan delivers high-performance airflow with a 1,390 overall CFM rating and 973 CFM when fitted with a 25ft. duct and a 90 degree bend. The 1/3 horsepower electric motor runs from standard 115 VAC and pulls 12.6 amps. Added safety features include a prewired explosion proof switch, dual grounding lugs on the steel housing, and 10 feet of cord fitted with a 5-15 straight blade explosion proof plug. Meets UL and Canadian UL safety ratings for Class I Division 1 Groups C and D & Class II Division 1 Groups E, F and G.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

The step-down transformer equipped on the EPF-10P.3-X24-C1D1 allows the fan to operate on 24V natively while the fan operates at 120V. The transformer is contained within a Class I Division 1 explosion proof enclosure and is spaced 10` away from the fan itself. There are EYS seal-offs on both side of the transformer and 10` of SOOW cable acts as the line-in cable for the transformer. The cable is terminated in a 5-15P explosion proof plug.

This explosion proof fan is designed for portability and durability with a light weight compact body constructed of powder coated steel and a non-sparking aluminum blower wheel. Rubber coated base feet and an integral carry handle provide easy transport and secure placement when set down on a flat surface. This unit is available with either an 8 inch or 10 inch intake and exhaust flange, and includes a built in automatic reset thermal overload for added protection.

Note on Explosion Proof Fans: Can be used as an intake and an exhaust fan.



Exhaust Configuration

Intake Configuration

INCLUDES:

1. Hazardous location ventilation fan (blower)
2. 15 feet static conductive duct
3. 6 feet static conductive duct
4. Dust carrier (holds up to 50ft. of duct)
5. Universal mount
6. Static conductive 90 degree elbow for saddle vent
7. Static conductive saddle vent

Features:

- 1/3 HP electric motor, 115 VAC, 12.6 amp
- Explosion-proof switch installed and wired
- 8 or 10 inch intake and exhaust flange
- 1390 cfm free air delivery
- 973 cfm when a 25ft. duct and a 90 degree bend are present while in use.
- 72 dbA @ 3ft.
- Approved for Class I, Div. 1, Groups C and D and Class II, Div. 1, Groups E, F, G
- Aluminum non-sparking blower wheel
- Dual grounding lugs installed on steel housing
- All Steel, powder coated red with rubber base feet
- Automatic reset thermal overload
- Carry handle frame

- Pre-Wired With 10 Ft. Cord
- Pre-wired with a 15 amp explosion proof 5-15 style plug

The ducts on this fan consist of single-ply polyester reinforced PVC vinyl fabric hose with an external wear strip reinforced with a spring steel wire helix. The ducting is lightweight for these blower applications and is highly compressible. The retractability of the static conductive duct allows for convenient storage and easy transport in a fraction of its fully extended length and has low friction loss. The wearstrip offers external abrasion resistance, and is listed as YL 94 V-0 flame retardant. Ambient temperature for the fan ranges from -20 degrees to 180 degrees Fahrenheit.
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)


Larson Electronics
PERFORMANCE SPECIFICATIONS

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Product ID: 144627

Warranty: 36 Months

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **SpecSheetSpanish**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**