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EPF-E16-4450-50C

Electric Explosion Proof Blower / Ventilator - 4450 CFM - 16" - C1D1 - 50' 16/3 SOOW w/ EPP Cord Cap

Product ID: 147716

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



Image: EPF-E16-4450-50C

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-E16-4450-50C Explosion Proof Fan/Blower
Dimensions: 19"W x 18"H x 12"D
Weight: 65 lbs
Noise Level: 90 Db
Motor: 1.5 HP, 1.1 Kw
Voltage: 115V
Horsepower: 1.5 (1.1kw)
Inrush amps (Start): 80A
Continuous Amps (Run): 15A
Fan Type: Box Fan/Blower
CFM Delivery: 4450+
Ambient Operating Temp: -20 to 180 Degrees Fahrenheit
Wiring: 50` 14/3 SOOW Cord w/ Explosion Proof Cord Cap
Cord Cap Options: 5-15P or 5-20P

UL and ATEX Approvals
Class I, Divisions 1 & 2, Group D
Class II, Divisions 1 & 2, Groups E, F and G
ATEX II 2 G EX d IIB T6
T6 Temperature Rating
Click here to see the airflow curve chart for this fan.

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Made in the USA

The EPF-E16-4450-50C from Larson Electronics is an Explosion Proof Box Fan / Blower with 15 foot static conductive duct that safely and effectively redirects stale air from

hazardous location areas. This explosion proof blower meets UL and ATEX standards for hazardous locations and provides high 4450+ CFM output for effective airflow in larger spaces. The included 50` 14/3 SOOW cord with explosion proof cord cap allows this explosion proof fan to have plenty of reach for various work areas and job sites.

****Please Note: Any free shipping offers do not apply to explosion proof fans.****

This portable, electric explosion proof blower (exhaust fan) is suitable for confined spaces and is approved to UL and ATEX safety standards for hazardous locations. This fan features a high efficiency 1.5 hp motor which is fully encapsulated and a precision balanced, non sparking aluminum blower blade for high output and protection against accidental ignitions. This fan has 16 inch intake and exhaust flanges and produces over 4,450 CFM of air output for excellent movement of air in large areas.



Click Photo to Enlarge

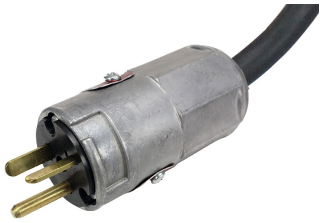
Other features include a light weight/high strength, anti-static glass reinforced ABS housing that is corrosion proof and chemical resistant with an IP65 rated and rain tested switch enclosure. This box blower/fan operates on standard 115 VAC with an 80 amp initial draw and 15 amp constant draw from the 1.5 horsepower motor after startup. Included with this unit is 50 feet of 14/3 SOOW cord fitted with a choice of explosion proof cord caps.

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

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug

Wiring & Plug: This explosion proof flood light is equipped with 50 feet of 14/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy

connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets or a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets. ***PLEASE NOTE** voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.*

Features

- 1.5 HP 1.1 kW electric motor, 115 VAC - 18 amps start and 5 amps run
- 90 dB noise level
- 16 inch intake and exhaust flange
- 4450+ cfm free air delivery (3180 CFM with 90 degree bend with 15` duct)
- Approved for Class I Group D and Class II Groups E, F, G
- Aluminum non-sparking blower blade is precision balanced
- IP65 rain tested switch enclosure
- High strength, anti-static glass reinforced ABS housing is lightweight, corrosion proof and chemical resistant
- Reversible duct adapter
- Pre-Wired With 50` 14/3 SOOW Cord and a choice of explosion proof cord cap.

The included 15 foot long duct is a single-ply polyester reinforced PVC vinyl fabric hose design with an external wear strip reinforced with a spring steel wire helix. It is lightweight for blower applications and 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 wear strip offers external abrasion resistance, and is listed as YL 94 V-0 flame retardant. Ambient operating temperature fro this unit 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)

There are no Faqs

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Product ID: 147716

Export Control Classification Number (ECCN): EAR99

Options:

EPF-E16-4450-50C-Cord Cap
Example: EPF-E16-4450-50C-1523

Cord Cap	
5-15P	-1523
5-20P	-2023

Links (Click on the below items to view):

- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/147716.PDF)
- **Fan Curve (Pressure Curve)**(https://www.larsonelectronics.com/images/product/FanCurve/147716.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/147716.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/147716.PDF)
- **STEP File (3D CAD Model)**(https://www.larsonelectronics.com/images/product/Step/147716.ZIP)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/147716.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/147716.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/147716.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/147716.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/147716.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/147716.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/147716.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/147716.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/147716.JPG)
- **HigResPic9**(https://www.larsonelectronics.com/images/product/HigResPic9/147716.JPG)
- **HigResPic10**(https://www.larsonelectronics.com/images/product/HigResPic10/147716.JPG)
- **Video1**(https://www.youtube.com/watch?v=510W-at2hms)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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