Larson Electronics LLC
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EPF-AC-24

Explosion Proof Portable Evaporative Cooler - 24" OD - 8723 CFM - 34 Gallon Tank - C1D1

Product ID: 71439

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



Image: EPF-AC-24

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-AC-24 Explosion Proof Air Mister

Dimensions: 36"L x 39"W x 66"H
Weight: 600 Lbs
Noise Level : 75 db @ 3 ft
Fan Motor: 1/2 HP
Fan RPM: 1725
Fan CFM: 8723
Fan Nozzles: 6
Ambient Temperature Rating: 10°C to 65°C
Motor Insulation: Class B
Sound Level:75db @ 3ft
Voltage: 120V AC 60Hz, 240V 60 Hz, 220V 60 Hz, 120V 50 Hz, 220V AC 50Hz, or 240V 50 Hz
Amp Draw: 6.62A @ 120V / 3.5A @ 230V
Discharge Temp: 15-30°F
Tank Size: 34 gallons
Run Time: 8 hrs
Wiring: 20` SOOW Cable w/ Explosion Proof Cord Cap
Shipping Dimensions: 58"L x 44"W x 80"H
Shipping Weight: 645 Lbs

Ratings / Approvals

Class I Divisions 1 & 2, Group D
Class II Divisions 1 & 2, Groups E, F & G
T3B Temperature Rating

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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E-mail: sales@larsonelectronics.com

Made in the USA

The EPF-AC-24 Class I Division 1 portable evaporative cooling system is rated for use in hazardous location work environments. This explosion proof air chiller combines a non-sparking fan and dry mist technology to cool Class I Division 1 work areas that do not have access to traditional air conditioning. This portable cooling is equipped with a 34 gallon tank and a water filter to cool the work environment for up to 8 hours.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO THIS PRODUCT

Larson Electronics evaporative cooling unit is rated Class I Division 1 & 2, Group D and Class II Divisions 1 & 2, Groups E, F & G explosion proof environments. Using dry mist technology, this air chiller ensures that your work environment stays dry while lowering the ambient temperature. At 36" wide by 39" deep by 66" tall, this evaporative cooling unit can reach an evaporation zone of 5`-10`. With a 24" inch fan and eight spray nozzles, this unit is applicable to work areas with smaller access ways. This portable cooling system will automatically shut off once the water reservoir is empty, so operators don`t need to worry about burning out the pumps. The EPF-AC-24 has an ambient temperature rating of 10° to 65°C.



Click Photo to Enlarge

With a fan unit running at 1725 RPM, this portable misting unit can chill down any industrial or commercial space in need of a cool down. Since one tank can easily last an entire work shift, there is no need for messy hose connections running throughout the work space. It is designed to be self-maintaining, therefore operators will not need to interrupt their work to replace pads or clean the nozzles.

Features

- Explosion proof
- Enclosed wires and motors
- 24" spark proof blade
- Application of dry mist technology
- Drops temperatures 20-30° Fahrenheit
- Operates up to 8 hours on a single tank
- Automatic pump shutoff when tank nears empty.
- Weighs 175 lbs
- Reaches an area of 3,500 square feet
- Can be crane lifted
- 0.7 GPM at 60 PSI
- Eight individual spray nozzles strategically placed around the fan.

This unit comes with a 24" spark proof aluminum blade and enclosed wire and motors. The fan blades are spark resistant and the unit is easily transported to various job sites. This cooler is easily transferred with 6" pneumatic wheels and connects via a 20` cord terminating in an explosion proof plug. This unit operates on 120V, 220V, or 240V AC and has an amp draw of 6.62A on a 120V AC system. The EPF-AC-24 has an ambient temperature rating of 10° to 40°C.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: This explosion proof air mister is equipped with 20 feet of 16/3 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, a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240V 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.*

Larson Electronics hazardous location evaporative cooling unit is easy to move around with its quick connect crane pick-eye and its powder coated steel tubing frame ensures minimal rusting and longevity. Applications include Class I Division 2 areas, including oil rig floors, construction sites, and tank cleaning applications.

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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EPF-AC-24

Product ID: 71439

Export Control Classification Number (ECCN): EAR99

Options:

EPF-AC-24-Voltage-Cord Cap-Finish
Example: EPF-AC-24-120V.60HZ-1523-PWDC

Voltage	
120V AC 60HZ	-120V.60HZ
220V AC 60HZ	-220V.60HZ
240V AC 60HZ	-240V.60HZ
120V AC 50HZ	-120V.50HZ
220V AC 50HZ	-220V.50HZ
240V AC 50HZ	-240V.50HZ

Cord Cap	
5-15P	-1523
5-20P	-2023.125V
6-20P	-2023.250V

Finish	
POWDER COAT	-PWDC
GALVANIZED	-GLVD

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Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/71439.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/71439.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/71439.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/71439.PDF)
- **Certificate 3, Misc**(https://www.larsonelectronics.com/images/product/Cert3/71439.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/71439.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/71439.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/71439.PDF)
- **SpecSheetSpanish**(https://www.larsonelectronics.com/images/product/SpecSheetSpanish/71439.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/71439.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/71439.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/71439.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/71439.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/71439.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/71439.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/71439.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/71439.JPG)
- **Video1**(https://www.youtube.com/watch?v=r1-JfClbq5A)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)