

EPF-AC-50-GLVD

Explosion Proof Portacool Portable Evaporative Cooler - Galvanized - 30" OD - 8723 CFM - 50 Gallon

Product ID: 236435



Image: EPF-AC-50-GLVD

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-50-GLVD Explosion Proof Galvanized Air Mister

Dimensions: 41.20"D x 36"W x 83.89"H

Weight: 175 lbs

Noise Level : 75 db @ 3 ft

Fan Motor: 1/4 HP

Fan RPM: 1140

Fan CFM: 8723

Fan Nozzles: 8

Sound Level: 75db @ 3ft

Voltage: 120V AC 60Hz or 220V AC 50Hz

Ambient Temperature Rating: 10°C to 65°C

Motor Insulation: Class B

Amp Draw: 6.62A @ 120V / 3.5A @ 230V

Discharge Temp: 15-30°F

Tank Size: 50 gallons

Run Time: 12 hrs

Wiring: 20' SOOW Cable w/ Explosion Proof Cord Cap

Cord Cap Options: 5-15P, 5-20P, 6-20P

Materials: Steel

Finish: Galvanized

Ratings / Approvals

Class I Divisions 1 & 2, Group D

Class II Divisions 1 & 2, Groups E, F & G

T3B Temperature Rating

Corrosion Resistant Galvanized Steel Frame

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The EPF-AC-50-GLVD Class I Division 1 Portable Evaporative Cooling System is rated for

use in hazardous location work environments. This explosion proof galvanized 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 50 gallon tank and a water filter to cool the work environment for up to 12 hours.

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

This 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 30" 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-50-GLVD has an ambient temperature rating of 10° to 65°C.



[Click Photo to Enlarge](#)

With a fan unit running at 8723 RPM, this galvanized 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
- 30" spark proof blade
- Application of dry mist technology
- Drops temperatures 20-30° Fahrenheit
- Operates up to 12 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.
- Steel galvanized frame provides durable construction, corrosion resistance and easy to clean surface.

This unit comes with a 30" 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 or 220V AC and has an amp draw of 6.62A on a 120V AC system.

[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.***

The EPF-AC-50-GLVD hazardous location evaporative cooling unit is easy to move around with its quick connect crane pick-eye and its galvanized steel frame ensures minimal rusting and maximum longevity as well as a very easy to clean surface. 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.

8	7	6	5	4	3	2	1
REV	DESCRIPTION						DATE
A	PRODUCTION RELEASE						08/15/2022
EPF-AC-50-GLVD-120VAC-1523							
							
8	7	6	5	4	3	2	1

P2-101.04
EXP PROOF
5-15P PLUG

CUSTOMER
SUPPLIED
UTILITY
250V
20AMAX
SYSTEM

1P 120V 20A
TUMBLER SWITCH1
TG2-101.04

MOT2-101.05
30" EXPLOSION PROOF FAN

20FT 16/3 SOOW CABLE

5FT 16/3 SOOW CABLE

2FT 16/3
SOOW CABLE

1P 120V 20A
TUMBLER SWITCH2
TG2-101.16

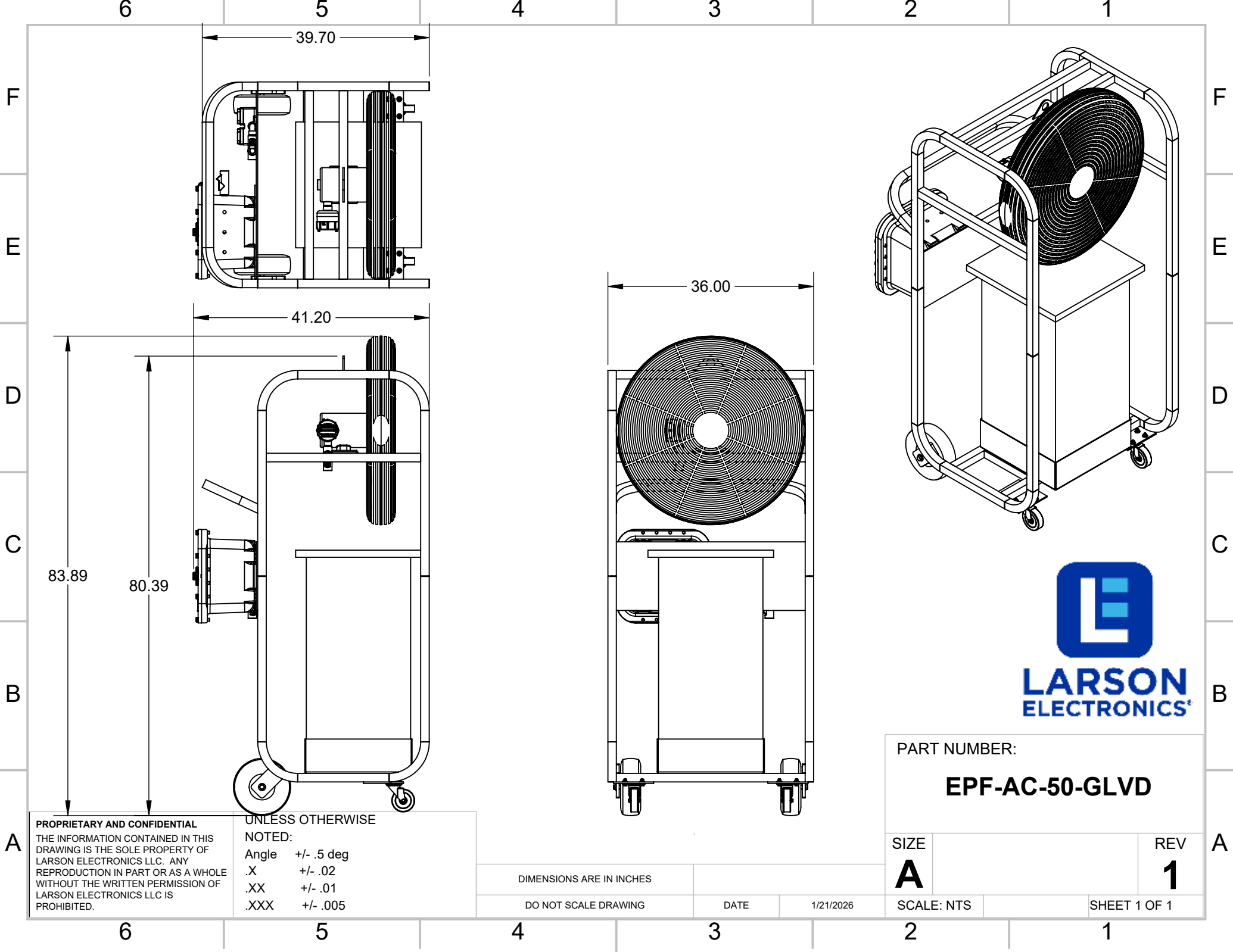
PRIMING BUTTON

PW2-101.24
DIGITAL PRESSURE CONTROLLER

DIAPHRAGM PUMP
MOT2-101.18

TAGS	QTY	CATALOG	DESCRIPTION
P2-101.04	1	UNV00005389	EXP PROOF 125V 15A 5-15P STRAIGHT BLADE
MOT2-101.05	1	UNV00001397	30" ceiling mount fan 115V 1/4HP
MOT2-101.18	1	UNV00017987	115V DIAPHRAGM PUMP GPM 1.6 MAX PRESSURE 100 PSI
PW2-101.24	1	UNV00001623	GUARDIAN CP CONSTANT PRESSURE DIGITAL CONTROL
TG2-101.04 TG2-101.16	2	UNV00005436	HAZ LOC DIV1 1P SWITCH COVER
TG2-101.16A	1	UNV00016079	Explosion Proof Push Button Switch - Class I, II, III - 20 Amps
W2	3	UNV00009802	2 HOLE WAGO
W5	1	UNV00009803	5 HOLE WAGO
W3	2	UNV00011954	3 HOLE WAGO
CBL2-101.04 CBL2-101.04A CBL2-101.04B	3	UNV00007524	16/3 SOOW CABLE

 LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE EPF-AC-50-GLVD-120VAC-1523		
	DRAWN BY A. CIBISOVS	DATE 08/15/2022	REV A
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1/21/2026

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EPF-AC-50-GLVD

SIZE

A

REV

1

SCALE: NTS

SHEET 1 OF 1



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Frequently Asked Questions (FAQ)

There are no Faqs