Explosion Proof Portacool Portable Evaporative Cooler 480V, 3-phase - 30" OD, 8723 CFM, 34 Gallons - Powder Coated Instruction Manual

Thank you for your purchase of the Larson Electronics EPF-AC Series portable evaporative cooler.

WARNING

TO AVOID THE RISK OF FIRE, EXPLOSION OR ELECTRIC SHOCK, THIS PRODUCT SHOULD BE INSTALLED, INSPECTED AND MAINTAINED BY A QUALIFIED ELECTRICIAN ONLY, IN ACCORDANCE WITH ALL APPLICABLE ELECTRICAL CODES.

TO AVOID ELECTRIC SHOCK:

- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- PRODUCT MUST BE CONNECTED TO A WIRING SYSTEM WITH AN EQUIPMENT-GROUNDING CONDUCTOR.

TO AVOID EXPLOSION:

- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE VOLTAGE RATING.
- ENSURE THE MARKED T RATING IS LESS THAN THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE.
- DO NOT OPERATE IN AMBIENT TEMPERATURES ABOVE THOSE INDICATED ON THE PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

The EPF-AC Class I, Division 1 Portable Evaporative Cooling System is rated for use in hazardous location work environments. This explosion proof powder coated 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.



Operation

1. After unpacking the unit, place in your desired location while maintaining a proper wall distance to allow for proper air flow. Make sure the unit is installed on a flat surface. Never transport the unit at any incline as failure to do so could result in injury or property damage.

2. Fill the water tank with potable water using the fill port on the top of the tank. The top of the tank can also be removed by unscrewing the four wing nuts and carefully lifting the plate off. Be sure the top is secure before use.

3. Plug the unit in to a GFCI protected device or breaker. Check the manufacture nameplate on the unit for specific voltage information. The specifications table above displays voltage and amperage requirements. It will be the responsibility of the end user to install and maintain this device to factory recommended specifications.

4. Start the unit by following these steps:
   a. Turn on the fan switch labeled “Fan” to start the fan.
   b. Turn on the pump switch labeled “Pump” to start the pump.
   c. Press and release the “prime” button for 5 seconds to enable water flow.



WATER FILL PORT



FAN & PUMP SWITCHES



PRIME BUTTON

NOTE: Anytime the unit is turned off you must follow the procedure above to reactivate. The pump can be turned off at any time to only achieve air flow.

5. If the unit runs out of water, it will automatically shut off. You will need to refill the water tank and start with STEP 4 in the instructions to get the unit back in operation. If the pump fails to re-prime before the time out period please press and release the prime button one more time to assure the pump has primed.

6. To turn the system off, turn off the pump, the fan, and unplug the unit.

Maintenance

- Be sure to check your water filters and clean as needed.
- Never run the unit without a water filter. Debris can enter the system and will clog the mister heads.
- Only use clean water in the mister system. NEVER use dirty water.
- Check all poly line fittings for leaks and assure they are tight to the fittings. If you see any damage, stop using the machine and make necessary repairs be-fore putting back in to use. Failure to do so could cause damage to persons or equipment.
- Never operate this unit with any cover missing.
- All fittings must stay tight to keep vapor from entering the control box. Check all plumbing fittings regularly.
- Never tilt the unit while handling. Tilting can cause the unit to tip over causing damage to personnel or property. Always keep unit on a flat surface for trans-portation and while operating.
- Keep the unit in a covered area and avoid direct sunlight if possible. This will keep the unit from over heating. If the unit overheats turn it off and let it sit for 2 hours before trying to restart.

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The EPF-AC Series is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.