

# GUARDIAN/GUARDIANX SERIES DP24

## 480-VOLT 1-PHASE NEMA 4 or 4X AIR CONDITIONERS

Model	NEMA Rating	Normally In Stock	UL/CUL Listed or Recognized	BTU/H Rating	95/95 Rating	Ambient Temp. °F Max./Min.	Volts/Phase	Hz	* Running Amps	Approx. Weight lbs. (kg.)
K3NA4C3DP24L	4	Yes	Listed	3000	2500	125/-20	480/1	60	1.4	61 (27)
K3NA4C3DP24LV	4X	Yes	Listed	3000	2500	125/-20	480/1	60	1.4	61 (27)

\* Rating shown is for operation at maximum ambient temperature.

### STANDARD FEATURES

- 480 Volt 1-Phase
- Baked Powder Finish (NEMA 4 models)
- Built-in Condensate Evaporator
- CFC-Free Refrigerant
- Closed-Loop Cooling
- Compressor Short Cycle Protector
- Condenser Blower Controller
- Epoxy-Coated Condenser and Evaporator Coils
- Filter
- Heavy-duty Steel Shell (NEMA 4 models)
- Internal Corrosion Protection (NEMA 4X models)
- NEMA 4 or 4X Rating Maintained (UL50)
- Programmable Temperature Alarm
- Programmable Thermostat Available
- Stainless Steel Shell (NEMA 4X models)
- UL/CUL Listed

### ACCESSORIES AND OPTIONS

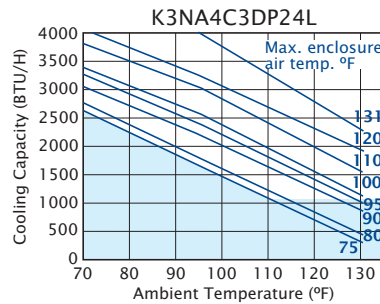
- Enclosure Heater
- Filter Recoating Adhesive
- Lead-Lag Controller
- Remote Monitoring
- Remote Thermostat Relay
- Replacement Filters
- Special paint finishes
- Stainless or Aluminum Shell



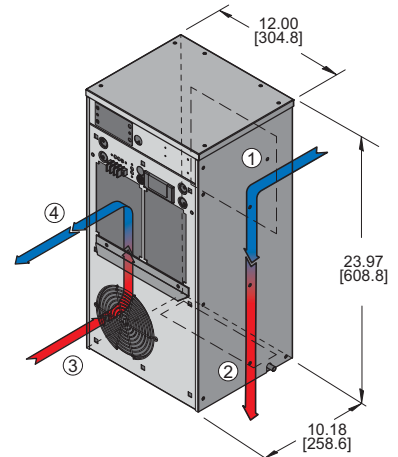
NEMA TYPE 4 OR 4X MAINTAINED



### PERFORMANCE

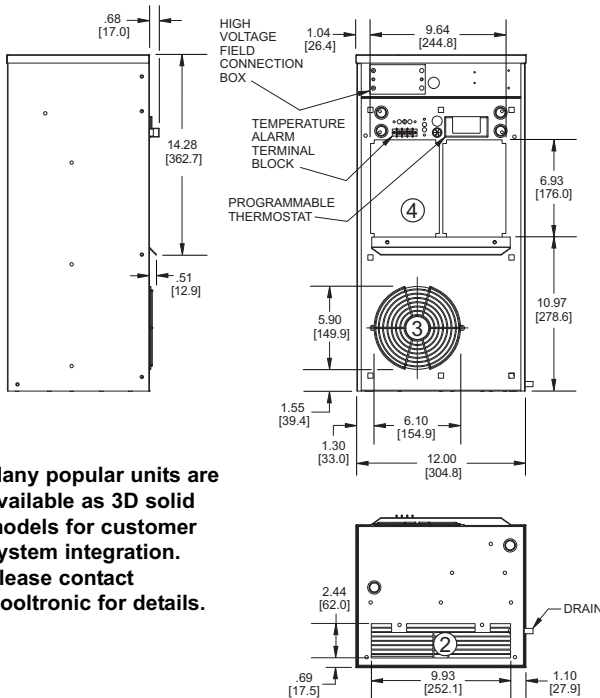


Operation within shaded area not recommended.



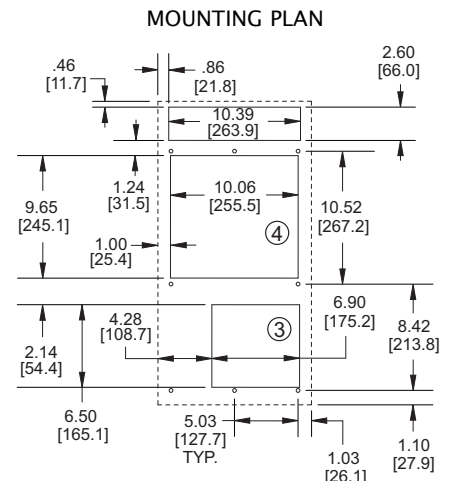
Find additional information on this model at [kooltronic.com](http://kooltronic.com), or use the Technical Documents QR code below.

Technical Documents



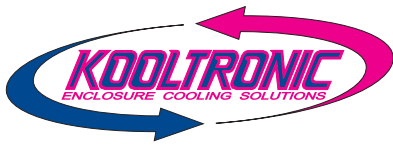
Many popular units are available as 3D solid models for customer system integration. Please contact Kooltronic for details.

- CONDENSER AIR INLET (Ambient Air In)
- CONDENSER OUTLET (Warm Ambient Air Out)
- WARM AIR RETURN FROM ENCLOSURE
- COOL AIR OUTLET TO ENCLOSURE



Dimensions, inches [mm], are for reference only and are subject to change.

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# GUARDIAN/GUARDIANX SERIES DP24 480-VOLT 1-PHASE NEMA 4 or 4X AIR CONDITIONERS

## DESCRIPTION

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The **Guardian/GuardianX** Indoor/Outdoor Air Conditioners are designed specifically for **NEMA 4** or **4X** enclosure applications that require washdown or are subject to outdoor storm conditions. All **Guardian** models have a **NEMA 4** Rating. The **GuardianX**, with the **NEMA 4X** Rating, is offered with a Stainless Steel Shell and Internal Corrosion Protection. These Air Conditioners have been engineered to operate under the most demanding industrial applications. The components used in these models have been specially designed and tested to maintain cooling efficiency in temperature controlled enclosures in bottling plants, the automotive industry and other commercial/manufacturing applications.

With Epoxy-coated coils and tubing, the closed-loop cooling system of the **Guardian/GuardianX** offers added security by providing an operating environment safe from harsh ambient conditions.

The features engineered into all of the **Guardian/GuardianX Series** models make them a tamper-resistant choice for external applications. Combined with a NEMA 4 Rating, with all models UL/CUL Listed, the **Guardian Series** is an excellent choice for telecommunications or other outdoor cabinet applications.

## FEATURES AND BENEFITS (STANDARD)

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All models UL/CUL Listed, a standard of safety.

Built-in condensate evaporator eliminates the need for a drain (normal operation\*).

CFC-free refrigerant provides a zero ozone depletion potential.

Closed-loop cooling provides stable temperature control while excluding dust and humidity from the electrical enclosure.

Compressor short-cycling protection extends compressor life.

Condenser impeller cycling provides stable capacity and temperature control.

Condenser filtration to maintain peak thermal performance extends compressor life.

Internal corrosion protection to increase reliability in hostile environments.

NEMA 12, 3R & 4 ratings for compatibility with listed electrical enclosures.

Programmable thermostat capable of remote monitoring and control is available.

Programmable temperature alarm to alert if early action required.

Stainless steel shell for NEMA 4X corrosive environments (NEMA 4X models).

Both evaporator and condenser coils are epoxy coated, prolonging unit life.

\* May not be adequate in extremely high humidity with open or leaky enclosure. Overflow condensate drain fitting and hose are included.

## FEATURES AND BENEFITS (OPTIONAL)\*

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Enclosure heater eliminates damaging condensation, increasing reliability of electrical enclosure components.

Lead-lag control for two air conditioners provides for capacity control, and alternates usage, increasing reliability.

Mounting adapter plates are offered to replace another manufacturer's unit.

Programmable thermostat capable of remote monitoring and control is available.

Programmable temperature alarm to alert if early action required.

Remote monitoring provides temperature data for warning of early action required.

Remote thermostat relay for control by a user-supplied control system.

Special paint finishes.

\*Contact KOOLTRONIC for more information.

## REPLACEMENT FILTERS

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The DP24L filter Part No. is 8388F (8.38" x 8.88" x 0.38" [212.8mm x 225.5mm x 9.7mm])



Cooling  
resources,  
tips & advice.

