

GUARDIAN & GUARDIANX DP43 NEMA 4 or 4X AIR CONDITIONERS

Model	NEMA Rating	UL/CUL Listed or Recognized	BTU/H Capacity	95/95 Rating	Ambient Temp.		Volts	Hz	Running Amps	Approx. Weight	
					°F Max./Min	°C Max./Min				lbs.	kg.
KNA4C7DP43L	4	Listed	7000	5500	131/-20	55/-28	115/100	60/50	13.8/13.6	125	57
K2NA4C7DP43L	4	Listed	7000	5500	131/-20	55/-28	230/200	60/50	6.7/6.6	125	57
KNA4C7DP43LV	4X	Listed	7000	5500	131/-20	55/-28	115/100	60/50	13.8/13.6	125	57
K2NA4C7DP43LV	4X	Listed	7000	5500	131/-20	55/-28	230/200	60/50	6.7/6.6	125	57

115V 60 Hz models perform at reduced capacity when operated at 100V 50 Hz.
Rating shown is for operation at maximum ambient temperature.

STANDARD FEATURES

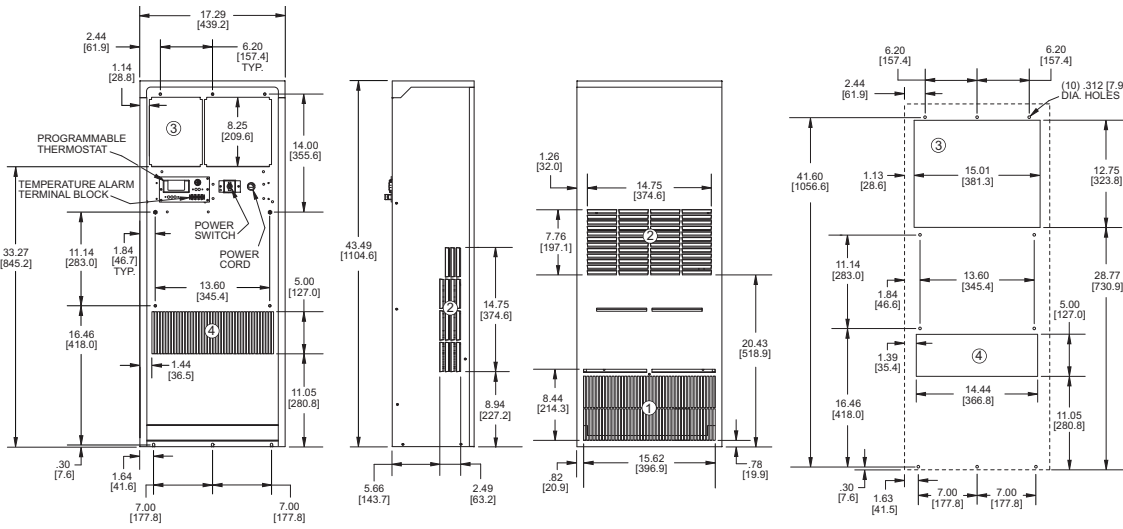
- Baked Powder Finish (NEMA 4 models)
- Built-in Condensate Evaporator
- CFC-Free Refrigerant
- Closed-Loop Cooling
- Compressor Short Cycle Protector
- Condenser Impeller Speed Controller
- Epoxy-Coated Condenser and Evaporator Coils
- Filter
- Heavy-duty Steel Shell (NEMA 4 models)
- Internal Corrosion Protection (NEMA 4X models)
- NEMA 12, 3R and 4 or 4X Ratings Maintained (UL50)
- Programmable Temperature Alarm
- Programmable Thermostat
- Six-Foot [1.8m] (minimum) 3-Wire Power Cord
- Stainless Steel Shell (NEMA 4X models)
- UL/CUL Listed

Find additional information on this model at kooltronic.com, or use the Technical Documents QR code below.

Technical Documents



DRAWINGS



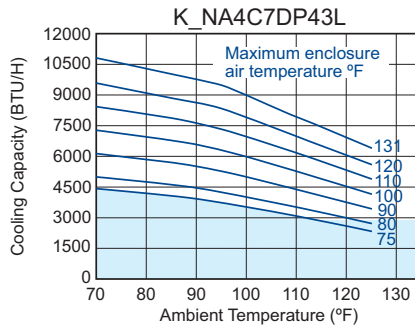
Many popular units are available as 3D solid models for customer system integration. Please contact Kooltronic for details.

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

ACCESSORIES AND OPTIONS

- Adapter
- Enclosure Heater
- Filter Recoating Adhesive
- Internal Corrosion Protection (NEMA 4 models)
- Lead-Lag Controller
- Remote Monitoring
- Remote Thermostat Relay
- Replacement Filters
- Special materials or finishes
- Special motors, line cords or connectors

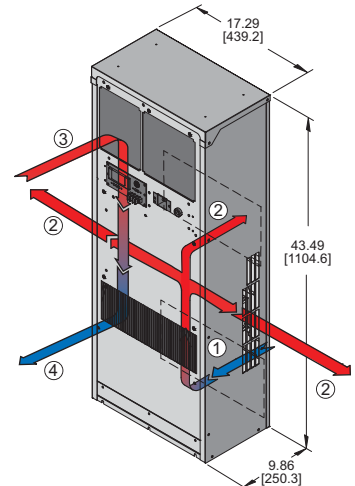
PERFORMANCE

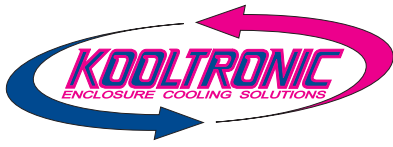


NEMA TYPE 4 OR 4X MAINTAINED



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





GUARDIAN & GUARDIANX DP43 NEMA 4 or 4X AIR CONDITIONERS

DESCRIPTION

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 condenser 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)

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 4X models).

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)*

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.

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

The DP43 filter Part No. 8001F (8.00" x 16.00" x 0.38" [203.2mm x 406.4mm x 9.7mm]).

