

GUARDIAN/GUARDIANX SERIES DP24

NEMA 4 or 4X AIR CONDITIONERS

Model	NEMA Rating	UL/CUL Listed or Recognized	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp.		Volts	Hz	Running Amps	Starting Amps (LRA)	Airflow @ 60 Hz. Evap./Cond. (Amps)	Fuse Size (Amps)	dBA @ 5 ft.	Approx. Weight lbs. kg.
					°F Max./Min	°C Max./Min								
K2NA4C3DP24L	4	Listed	3000	2500	125/-20	52/-28	208/230	60	3.0	4	171/173	15	69.2	61 28
K2NA4C3DP24LV	4X	Listed	3000	2500	125/-20	52/-28	208/230	60	3.0	4	171/173	15	69.2	61 28
K2NA4C3DP24L	4	Listed	3000	2500	120/-20	49/-28	200	50	3.0	4	171/173	15	69.2	61 28
K2NA4C3DP24LV	4X	Listed	3000	2500	120/-20	49/-28	200	50	3.0	4	171/173	15	69.2	61 28

Rating shown is for operation at maximum ambient temperature.

STANDARD FEATURES

208/230/200 Volt
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 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

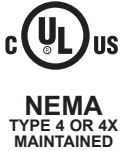
Find additional information on this model at kooltronic.com, or use the Technical Documents QR code below.

Technical Documents

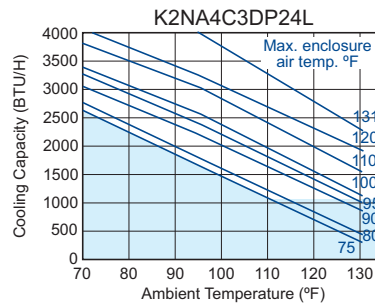


ACCESSORIES AND OPTIONS

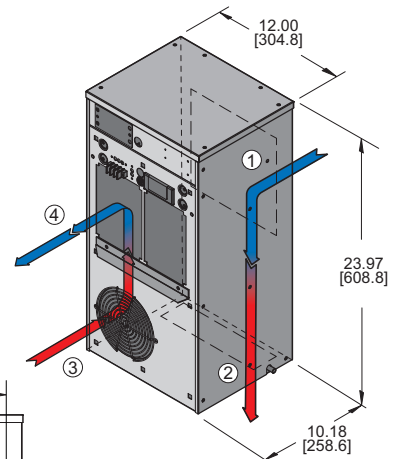
Adapter
Enclosure Heater
Filter Recoating Adhesive
Internal Corrosion Protection (NEMA 4 models)
Remote Monitoring
Remote Thermostat Relay
Replacement Filters
Special materials or finishes
Special motors, line cords or connectors



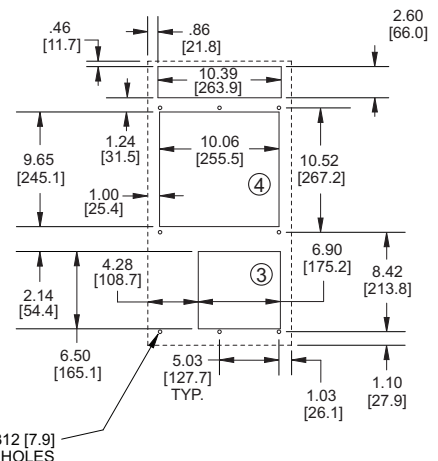
PERFORMANCE



Operation within shaded area not recommended.



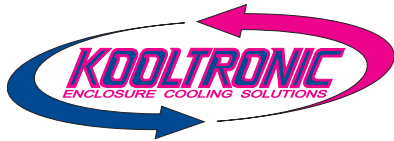
MOUNTING PLAN



- ① CONDENSER AIR INLET (Ambient Air In)
- ② CONDENSER OUTLET (Warm Ambient Air Out)
- ③ WARM AIR RETURN FROM ENCLOSURE
- ④ COOL AIR OUTLET TO ENCLOSURE

Dimensions, inches [mm], are for reference only and are subject to change. [dpn24l.qxd](#) (1/03/24) (CDR: 20549)

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



GUARDIAN/GUARDIANX SERIES DP24 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 12, 3R & 4 ratings for compatibility with listed electrical enclosures.

Programmable thermostat capable of remote monitoring and control.

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.

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

