

# GUARDIAN/GUARDIANX SERIES DP50 480 VOLT 3-PHASE 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	Approx. Weight	
					°F Max./Min	°C Max./Min				lbs.	kg.
K3NA6C14DP50L	4	Listed	14000	13000	131/-20	55/-28	480	60	5.0	207	95
K3NA6C14DP50LV	4X	Listed	14000	13000	131/-20	55/-28	480	60	5.0	207	95
K3NA4C14DP50L	4	Listed	14000	12634	131/-20	55/-28	480	60	6.0	207	95
K3NA4C14DP50LV	4X	Listed	14000	12634	131/-20	55/-28	480	60	6.0	207	95

Rating shown is for operation at maximum ambient temperature.

## STANDARD FEATURES

- Baked Powder Finish (NEMA 4 models)
- Closed-Loop Cooling
- Compressor Short Cycle Protector
- Epoxy-Coated Condenser and Evaporator Coils
- External junction box for permanent wiring connections
- Filters (2)
- Heavy-duty Steel Shell (NEMA 4 models)
- Internal Corrosion Protection (NEMA 4X)
- NEMA 4 or 4X Rating Maintained (UL50)
- Programmable Temperature Alarm
- Programmable Thermostat
- Stainless Steel Shell (NEMA 4X models)
- UL/CUL Listed
- Zero ODP Refrigerant

## ACCESSORIES AND OPTIONS

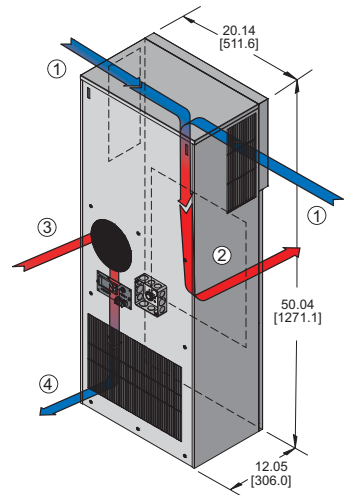
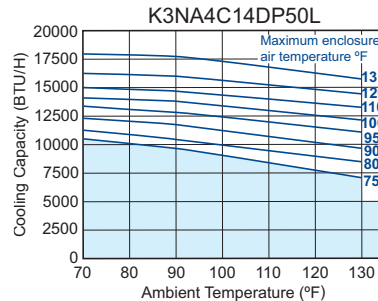
- Adapter
- Enclosure Heater
- Filter Recoating Adhesive
- Internal Corrosion Protection (NEMA 4)
- Lead-Lag Controller
- Remote Monitoring
- Remote Thermostat Relay
- Replacement Filters
- Special paint finishes



**NEMA TYPE 4 OR 4X MAINTAINED**



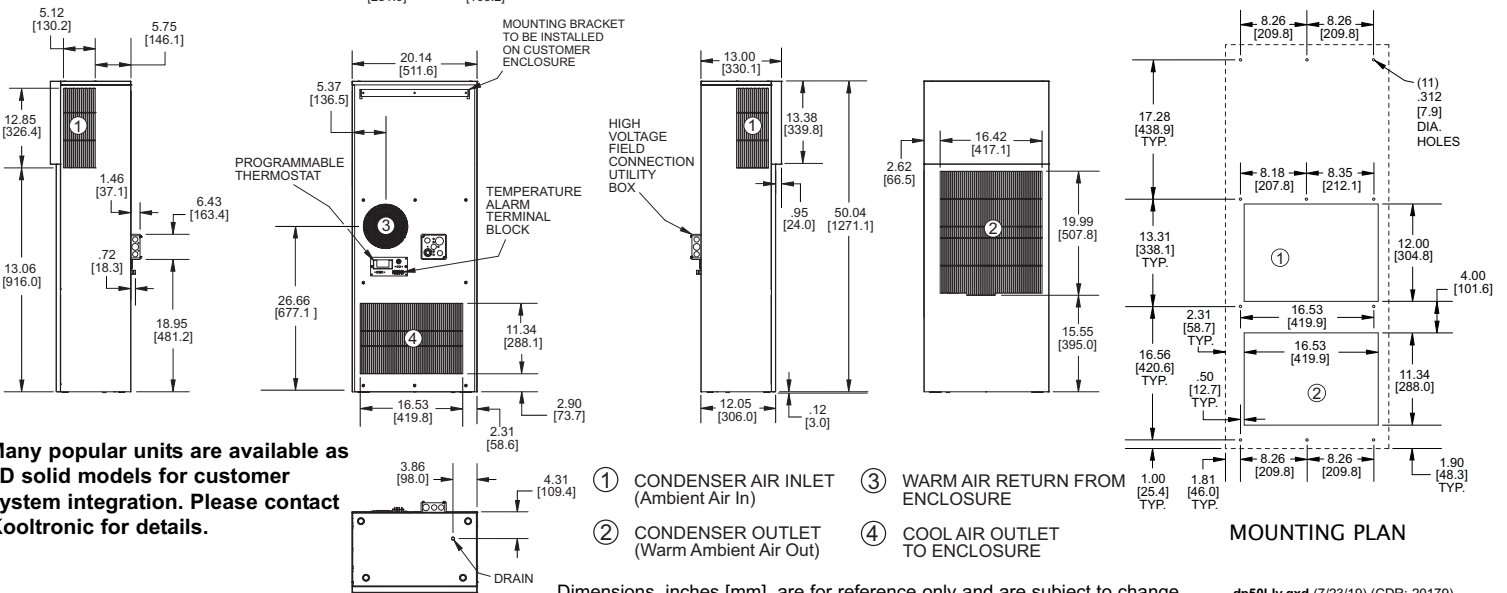
## PERFORMANCE



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.

- 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



# GUARDIAN/GUARDIANX SERIES DP50 480 VOLT 3-PHASE 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 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.

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.

Internal corrosion protection to increase reliability in hostile environments.

NEMA 4 or 4X 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.

## FEATURES AND BENEFITS (OPTIONAL)\*

---

Adapter plate or plenum needed to replace older Kooltronic or competitor units.

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 DP50L filter Part No. is 13658F (13.63" x 5.88" x 0.34" [346.2mm x 149.3mm x 8.6mm]). The **Guardian Series DP50L** uses two filters.

