

GUARDIAN/GUARDIANX SERIES DP52 480 VOLT 3-PHASE NEMA 4 or 4X AIR CONDITIONERS

Legacy products are no longer in normal production. Consult factory for availability. Recommended replacement: See *current models*.

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.
K3NA4C7DP52L	4	Listed	7000	6300	131/0	55/-17	480	60	3.0	160	73
K3NA4C7DP52LV	4X	Listed	7000	6300	131/0	55/-17	480	60	3.0	160	73
K3NA4C9DP52L	4	Listed	9000	8100	131/0	55/-17	480	60	4.0	164	75
K3NA4C9DP52LV	4X	Listed	9000	8100	131/0	55/-17	480	60	4.0	164	75

Rating shown is for operation at maximum ambient temperature.



NEMA TYPE 4 OR 4X MAINTAINED



STANDARD FEATURES

- Baked Powder Finish (NEMA 4X models)
- Built-in Condensate Evaporator
- CFC-Free Refrigerant
- 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 models)
- NEMA 4 or 4X Rating Maintained (UL50)
- Phase Sequence/Phase Loss Detector/ Under Voltage Monitor
- Programmable Temperature Alarm
- Programmable Thermostat
- Stainless Steel Shell (NEMA 4X models)
- UL/CUL Listed

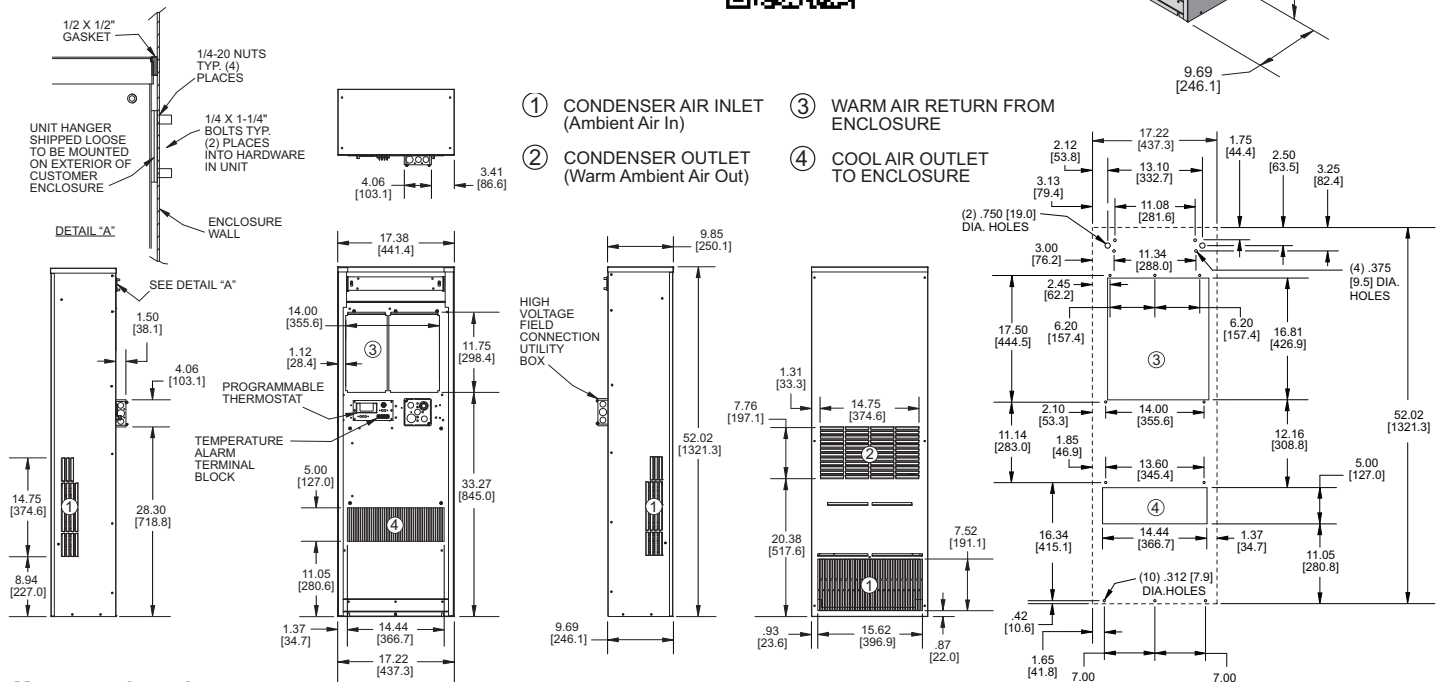
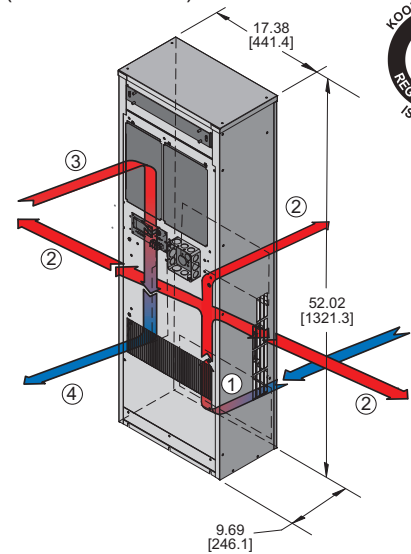
ACCESSORIES AND OPTIONS

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

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



Technical Documents

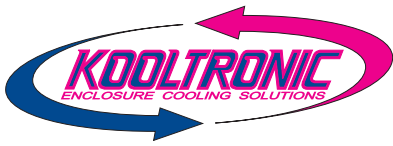


Many popular units are available as 3D solid models for customer system integration. Please contact Kooltronic for details.

MOUNTING PLAN

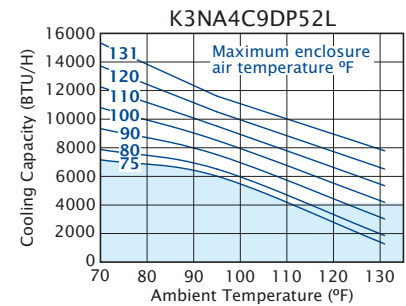
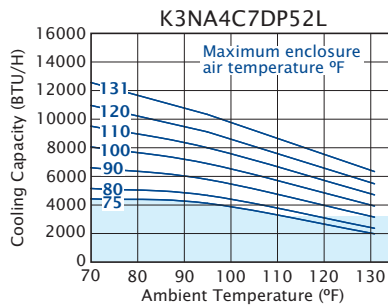
Dimensions, inches [mm], are for reference only and are subject to change.

dp52llv.qxd (10/23) (CDR:20532)



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PERFORMANCE CHARTS



Operation within shaded area not recommended.



DESCRIPTION

The **Guardian/GuardianX** Indoor/Outdoor Air Conditioners are designed specifically for **NEMA 4** and **4X** enclosure applications that require washdown or are subject to outdoor storm conditions. All **Guardian** models have a **NEMA 4** Rating, offering protection against the hazards of unwanted environmental penetration. The **GuardianX**, with a **NEMA 4X** Rating, is available with a Stainless Steel Shell and Internal Corrosion Protection.

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

The features engineered into all of the **Guardian 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 cycle protector 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.

* 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 DP52 filter Part No. is 8001F (8.00" x 16.00" x 0.38" [203.2mm x 406.4mm x 9.7mm]). The **Guardian Series DP52L** uses two filters.