



GUARDIAN/GUARDIANX DP53 NEMA 4 or 4X AIR CONDITIONERS

Model	NEMA Rating	UL/CUL Listed or Recognized	BTU/H Rating	95/95 Rating	Ambient Temp.				Volts	Hz	* Running Amps	Weight lbs kg
					°F		°C					
					Max.	Min.	Max.	Min.				
K2NA6C18DP53L	4	Listed	18000	15800	125	-20	52	-29	208/230	60	20.0/17.1	224 102
K2NA6C18DP53L	4	Listed	14400	13000	131	-20	55	-29	220	50	17.2	224 102
K2NA6C18DP53LV	4X	Listed	18000	15800	125	-20	52	-29	208/230	60	20.0/17.1	224 102
K2NA6C18DP53LV	4X	Listed	14400	13000	131	-20	55	-29	220	50	17.2	224 102

* Rating shown is for operation at maximum ambient temperature.

STANDARD FEATURES

- Baked Powder Finish (NEMA 4 models)
- Closed-Loop Cooling
- Condenser Blower Controller
- Epoxy-Coated Condenser and Evaporator Coils
- Filters (2)
- Heavy-duty Steel Shell (NEMA 4 models)
- Internal Corrosion Protection (NEMA 4X models)
- Low Temperature Control Thermostat
- NEMA 4 or 4X Rating Maintained (UL50)
- Six-Foot [1.8m] (minimum) 3-Wire Power Cord
- Stainless Steel Shell (NEMA 4X models)
- UL/CUL Listed
- Zero ODP Refrigerant

ACCESSORIES AND OPTIONS

- Compressor Short Cycle Protector*
- Enclosure Heater
- Filter Recoating Adhesive
- Lead-Lag Controller
- Programmable Temperature Alarm
- Programmable Thermostat Available
- Remote Monitoring**
- Remote Thermostat Relay
- Replacement Filters
- Special materials or finishes
- Special motors, line cords or connectors
- Temperature Alarm

* Standard Feature on models with a Programmable Thermostat

** Optional Feature for models with a Programmable Thermostat



NEMA TYPE 4 OR 4X MAINTAINED

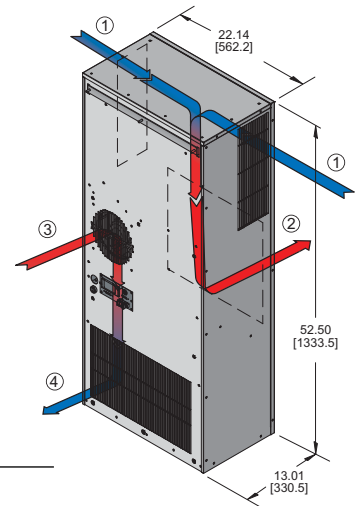


Find additional information on this model at kooltronic.com, or use the Technical Documents QR code below.

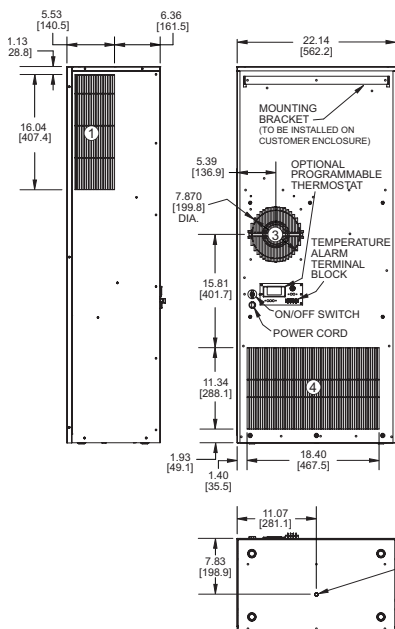
Technical Documents



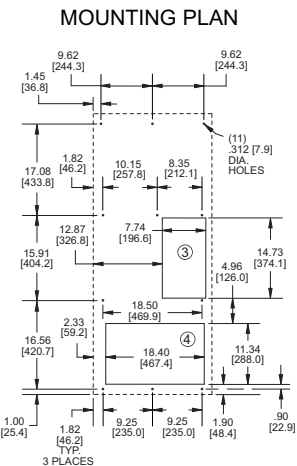
- CONDENSER AIR INLET (Ambient Air In)
- CONDENSER OUTLET (Warm Ambient Air Out)
- WARM AIR RETURN FROM ENCLOSURE
- COOL AIR OUTLET TO ENCLOSURE



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.

nema dp501.qxd 8/29/17



GUARDIAN/GUARDIANX DP53 NEMA 4 or 4X AIR CONDITIONERS

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 the **NEMA 4X** Rating, is offered with a Stainless Steel Shell and Internal Corrosion Protection.

With Epoxy-coated condenser 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 and cUL Listed, a standard of safety.
- CFC-free refrigerant provides a zero ozone depletion potential.
- Condenser blower controller installed in the refrigerant liquid line, controlling the condenser fan.
- Closed-loop cooling provides stable temperature control while excluding dust and humidity from the electrical enclosure.
- 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.
- Low Temperature Control Thermostat provides energy-efficient operations.
- NEMA 12, 3R & 4 ratings for compatibility with listed electrical enclosures.
- 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)*

- Compressor short-cycling protection extends compressor life. (Standard Feature on models with a Programmable Thermostat).
- 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. (Optional Feature on models with a Programmable Thermostat).
- Remote thermostat relay for control by a user-supplied control system.
- Special paint finishes.

*Contact KOOLTRONIC for more information.

REPLACEMENT FILTERS

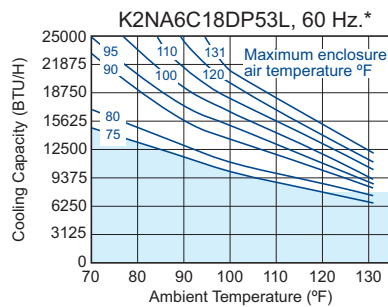
The DP53L-LV filter Part No. 6382F (16.88" x 6.38" x 0.34" [428.7mm x 162.0mm x 8.6mm]). The DP53L-LV uses two filters.



Cooling resources, tips & advice.



PERFORMANCE



Operation within shaded area not recommended.

* Operation at 50 Hz will be 10% less.