

Model	Normally In Stock	UL/CUL Listed or Recognized	BTU/H Capacity	95/95 Rating	Ambient Temp.			Volts	Hz	** Running Amps	Weight lbs	kg	
					Max.	Min.	Max.						Min.
					°F		°C						
KNA4C1DP15L	Yes	Listed	1160	950	131	-20	55	-29	115/100	60/50	4.3	26	12
KNA4C1DP15LV	Yes	Listed	1160	950	131	-20	55	-29	115/100	60/50	4.3	26	12

\*\* Rating shown is for operation at maximum ambient temperature.

### STANDARD FEATURES

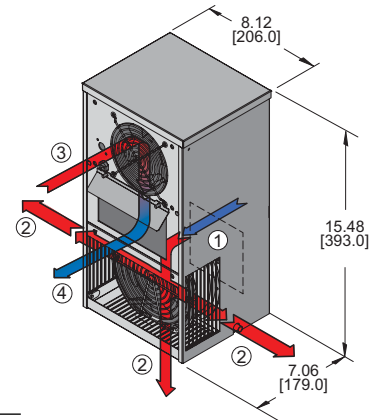
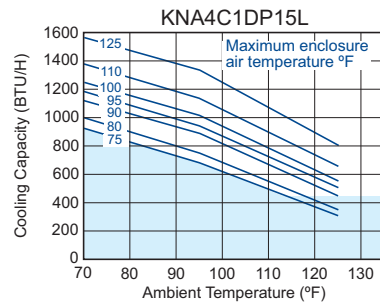
- Built-in Condensate Evaporator
- CFC-Free Refrigerant
- Closed-Loop Cooling
- Condenser Impeller Speed Controller
- EMI/RFI Suppressor
- Epoxy-Coated Condenser Coils
- Heavy-duty Steel Shell
- Internal Corrosion Protection (NEMA 4X models)
- Low Temperature Control Thermostat
- NEMA 4 or 4X Rating Maintained (UL50)
- Six-Foot [1.8m] (minimum) SJT 3-Wire Power Cord
- Stainless Steel Shell (NEMA 4X models)
- Textured Baked Powder Finish
- UL/CUL Listed

### ACCESSORIES AND OPTIONS

- Cooling Effect Detector
- Enclosure Heater
- Filter
- Filter Recoating Adhesive
- Lead-Lag Controller
- Remote Thermostat Relay
- Replacement Filters
- Short Cycle Protector
- Special materials or finishes
- Special motors, line cords or connectors

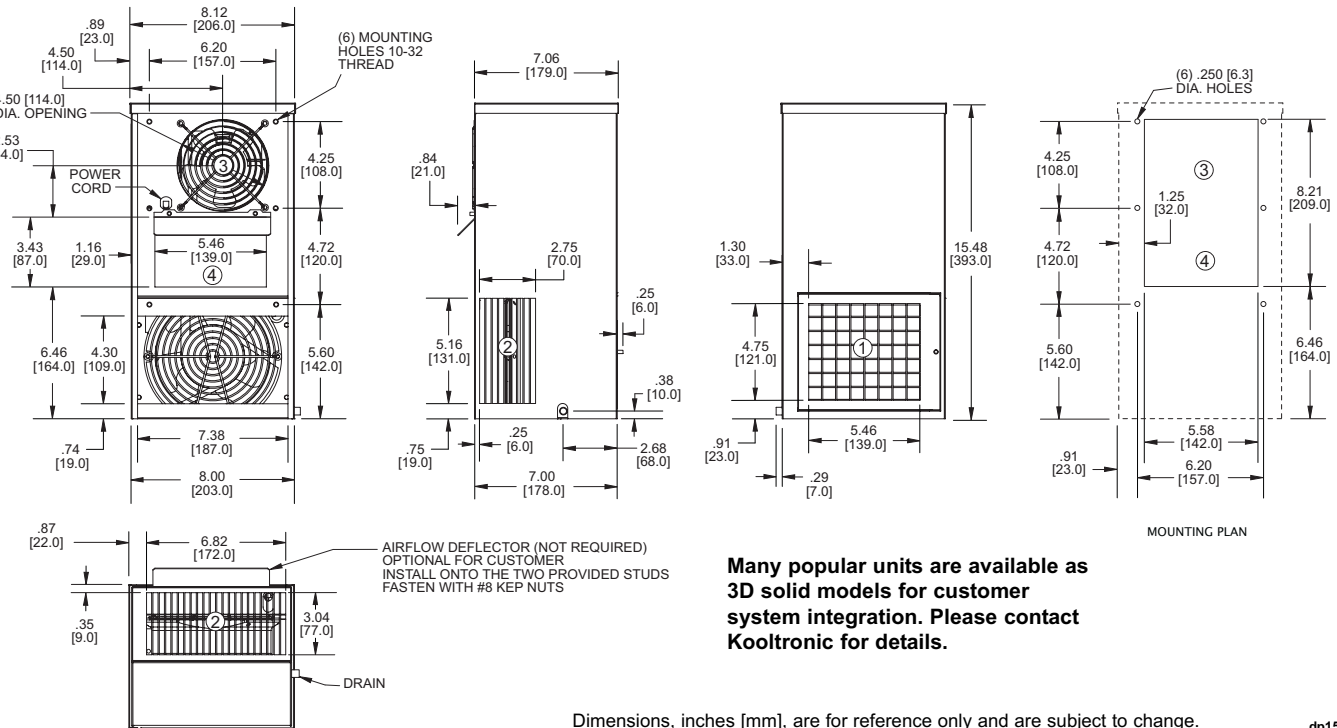


### PERFORMANCE



- 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

### 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.

dp15.qxd 6/6/11

# GUARDIAN & GUARDIANX DP15 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.

## STANDARD FEATURES

**CLOSED-LOOP COOLING:** The enclosure interior airflow system is isolated from the ambient airflow system. Ambient air can not invade the cool, dehumidified sensitive component compartment.

**EMI/RFI SUPPRESSOR:** EMI/RFI Suppressor minimizes transient line spikes during on/off cycling.

**EPOXY-COATED CONDENSER COILS:** Condenser Coils in the *Guardian Series* are Epoxy-Coated. This coating will withstand 1000 hours of salt spray per the ASTM B 117 test method. **NOTE:** Severe operational environments such as waste water treatment and salt spray are likely to cause corrosion failure over a period of time regardless of coating. **Warranty:** Corrosive conditions may effect the warranty coverage. Consult factory for warranty limitations in corrosive environments.

**GASKETING:** All units are fully gasketed for tight, leakproof installation, in compliance with the NEMA 4 Enclosure Rating.

**HEAVY-DUTY STEEL SHELL:** Precision-engineered heavy gauge steel construction of all shells and blowers insures Air Conditioners will stand up under tough applications.

**INSULATION:** All cold components, lines and the evaporator compartment are insulated with high-performance insulation for maximum efficiency.

**LOW TEMPERATURE CONTROL THERMOSTAT:** Thermostatic Low Temperature Control prevents over-cooling and provides energy-efficient operation.

**POWER:** Available in 115 VAC, 60 Hz or 50/60 switchable and 230 VAC, 50 Hz or 60 Hz.

**POWER CORD:** All models have six foot [1.8m] SJT-type 3-wire power cords with appropriate plugs.

**QUALITY ASSURANCE:** Refrigeration system components are kept sealed until charged with refrigerant; all brazed joints are thoroughly leak-tested; each unit is functionally tested before shipment.

**REFRIGERANT:** CFC-free R134a Refrigerant is used in the *Guardian Series DP15* Air Conditioners.

**TEXTURED BAKED POWDER FINISH:** Durable, baked-on textured beige powder finish is standard. Other finishes are available.

**UL/CUL LISTED:** The *Guardian/GuardianX DP15* is UL/CUL Listed.

## ACCESSORIES AND OPTIONS\*

**COOLING EFFECT DETECTOR:** A thermostat is mounted inside the cabinet and attached to a sensor in the warm air return. When the air temperature increases to the set point, a signal is sent to a terminal block. User-installed wiring from the terminal block to local and/or remote warning devices (*light, bell, siren, etc.*) can be for normally open or closed operation.

**ENCLOSURE HEATER:** 120V or 240V fin strip heater, installed singly or ganged, used to maintain desired internal enclosure temperature under cold operating conditions.

**FILTERS:** Multi-layer grid of sturdy, corrugated aluminum in an aluminum frame. May be reused after washing off accumulations and spraying with A-16 Recoating Adhesive.

**FILTER RECOATING ADHESIVE:** This compound is a superior product for recoating filters after washing. The adhesives penetrate dirt layers to keep the filter surface tacky for longer effective performance between washings.

**INTERNAL CORROSION PROTECTION:** An air cured coating is sprayed on copper lines and brazed joints on the condenser side, providing a degree of protection from corrosive environments. This coating will withstand 1000 hours of salt spray per the ASTM B 117 test method. Also see Stainless Steel Cabinet or Integrity NEMA 4/4X Air Conditioners. **NOTE:** Severe operational environments such as waste water treatment and salt spray are likely to cause corrosion failure over a period of time regardless of coating. **Warranty:** Corrosive conditions may effect the warranty coverage. Consult factory for warranty limitations in corrosive environments. **NOTE:** For additional corrosion protection options, contact factory. Internal Corrosion Protection and Stainless Steel Shell are necessary in order to maintain **NEMA 4X** Rating for *GuardianX DP15*.

**REPLACEMENT FILTER:** Filter consisting of a multi-layer grid of sturdy corrugated aluminum, securely held in a one-piece aluminum frame. The DP15 optional filter Part No. 5631F (6.45" x 5.63" x 0.09" [163.8mm x 143.0mm x 2.3mm])

**STAINLESS STEEL SHELL:** For applications in corrosive or other hostile environments such as those requiring Internal Corrosion Resistant Coatings, especially where chemical/moisture combinations are present. Stainless Steel Shell and Internal Corrosion Protection are necessary in order to maintain **NEMA 4X** Rating for *GuardianX DP15*.

**Special materials or finishes\***

**Special motors, line cords or connectors\***

\*Contact KOOLTRONIC for more information.