

PROFILE SERIES DP21 PANEL-MOUNT AIR-COOLED AIR CONDITIONER

For units with Serial Numbers L18A3965 and above.

Legacy products are no longer in normal production. Consult factory for availability. Recommended replacement: See *Guardian/GuardianX* or *SlimKool* Series.

TECHNICAL DATA

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	°C				lbs	kg
KA4C3DP21L	3R & 12	Listed	3000	2100	131/-20	55/-28	115/100	60/50	5.8	45	21

Rating shown is for operation at maximum ambient temperature.

STANDARD FEATURES

Baked Powder Finish
Built-in Condensate Evaporator
CFC-Free Refrigerant
Closed-Loop Cooling
Compressor Short Cycle Protector
Epoxy-Coated Condenser Coil
Heavy-duty Steel Shell
Mounts Internally or Externally
NEMA 12 & 3R Ratings Maintained (UL50)
Programmable Temperature Alarm
Programmable Thermostat
Six-Foot [1.8m] (minimum) 3-Wire Power Cord
UL/CUL Listed

ACCESSORIES AND OPTIONS

Adapter
Enclosure Heater
Filter
Filter Recoating Adhesive
Internal Corrosion Protection
Remote Monitoring
Remote Thermostat Relay
Replacement Filters
Special motors, line cords or connectors
Special paint finishes
Stainless Steel Shell



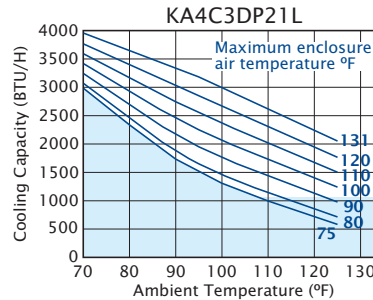
NEMA
TYPE 12 & 3R
MAINTAINED

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

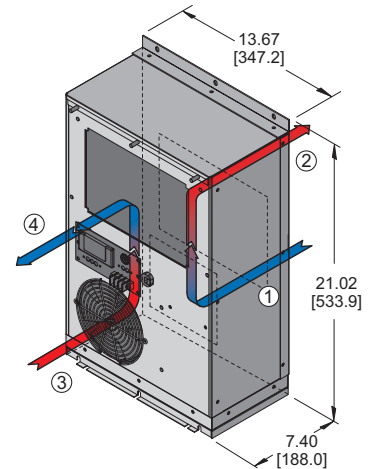
Technical Documents



PERFORMANCE

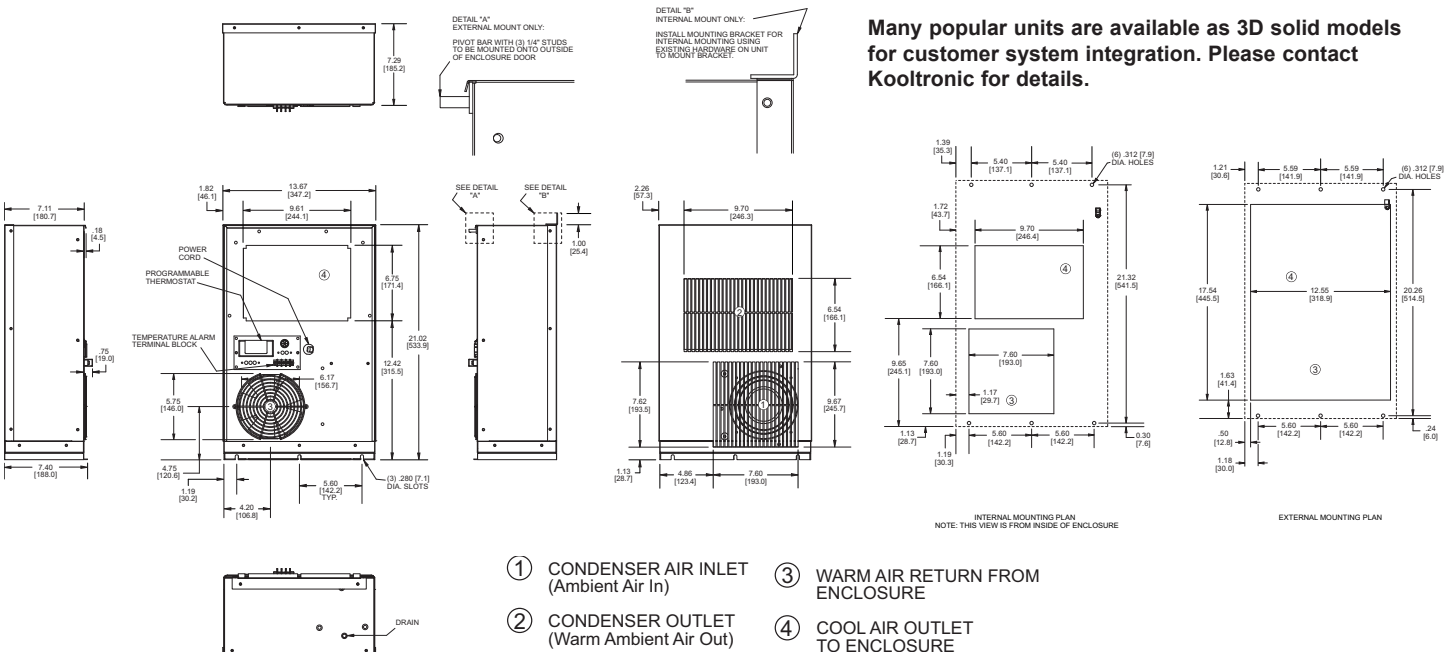


Operation within shaded area not recommended.



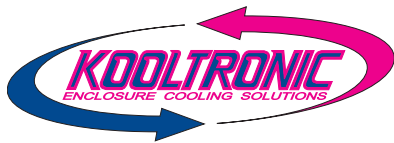
DRAWINGS

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



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

dp21.qxd (10/23) (CDR: 20532)



PROFILE SERIES DP21 PANEL-MOUNT AIR-COOLED AIR CONDITIONER

DESCRIPTION

The **Profile Series** Air Conditioners are designed specifically for cooling electronic enclosures and can be used for both indoor and outdoor applications. Engineered to be mounted either outside or inside of an enclosure, the **Profile Series** Air Conditioners are the first Kooltronic models to offer this degree of flexibility.

The narrow depth of the **Profile Series** allows the option of internal mounting, making the units virtually tamper-proof. The features engineered into all of the **Profile Series** models make them a tamper-resistant choice for external applications. Combined with a NEMA 12 & 3R Rating, with all models UL/CUL Listed, the **Profile Series** is an excellent choice for telecommunications or other outdoor cabinet applications.

STANDARD FEATURES

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

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.

COMPRESSOR SHORT CYCLE PROTECTOR: Extends compressor life.

EPOXY-COATED CONDENSER COILS: Condenser Coils in the **Profile 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 3R 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.

MOUNTS INTERNALLY OR EXTERNALLY: The **Profile Series** Air Conditioners have been engineered to be mounted either outside or inside of an enclosure, offering an unprecedented degree of flexibility. Air conditioners are traditionally mounted on the outside of an enclosure because space inside an enclosure is at a premium. The dimensions of the **Profile Series** make the option of internal mounting a reality, which allows the unit to fit into spaces previously too small for an air conditioner. With such a narrow depth, the **Profile Series** is the thinnest line of indoor/outdoor air conditioners Kooltronic has ever developed.

POWER: Available in 115/100 VAC, 60/50 Hz.

POWER CORD: All models have six foot [1.8m] 3-wire power cord.

PROGRAMMABLE TEMPERATURE ALARM: Alerts if early action is required.

PROGRAMMABLE THERMOSTAT: Capable of remote monitoring and control.

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 **Profile Series DP21** Air Conditioners.

UL/CUL LISTED: The **Profile Series DP21** is UL/CUL Listed.

ACCESSORIES AND OPTIONS*

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. (Filters are for external mount only).

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.

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.

REPLACEMENT FILTER: Filter consisting of a multi-layer grid of sturdy corrugated aluminum, securely held in a one-piece aluminum frame. (Filters are for external mount only).

The DP21 optional filter Part No. 650F (8.38" x 8.38" x 0.50" [212.9mm x 212.9mm x 12.7mm])

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.

Special materials or finishes*

Special motors, line cords or connectors*

*Contact KOOLTRONIC for more information.

