



## AIR CONDITIONER 8000 8,000 BTU/HR. AIR CONDITIONER

DANTHERM's line of Air Conditioners is specifically designed for the removal of heat from cabinets containing temperature-sensitive electrical, electronic, or telecommunications equipment. Closed-loop cooling maintains a clean, sealed internal environment to ensure optimum performance and maximum service life of the enclosed electronics, while protecting against the intrusion of airborne contaminants and humidity.

### FEATURES AND BENEFITS

#### Standard Features

- Closed-loop cooling to prevent ingress of environmental contaminants
- Available in 230VAC
- Designed for electronics cooling with high ambient temperatures - operates to 55°C/131°F
- Integrated Dantherm USACG-6 controller
- High-quality, high-performance, high-pressure drop BCI fans
- Easy access to critical components for better service
- Bottom intake allows for reduced noise and better protection from contaminants
- Environmentally-friendly R134A refrigerant
- Compact mono-block unit for easy installation in indoor and outdoor applications

#### Optional Features

- Ambient filter
- Power plugs
- Optional heater available
- Stainless steel material and custom paint finishes available
- Extended warranty & maintenance packages

#### Closed-Loop Cooling

The closed-loop internal circuit protects the enclosed equipment from heat and airborne contaminants in all types of hostile environments. The creation of a controlled environment allows the enclosed equipment to operate under the best possible temperature and environmental conditions.

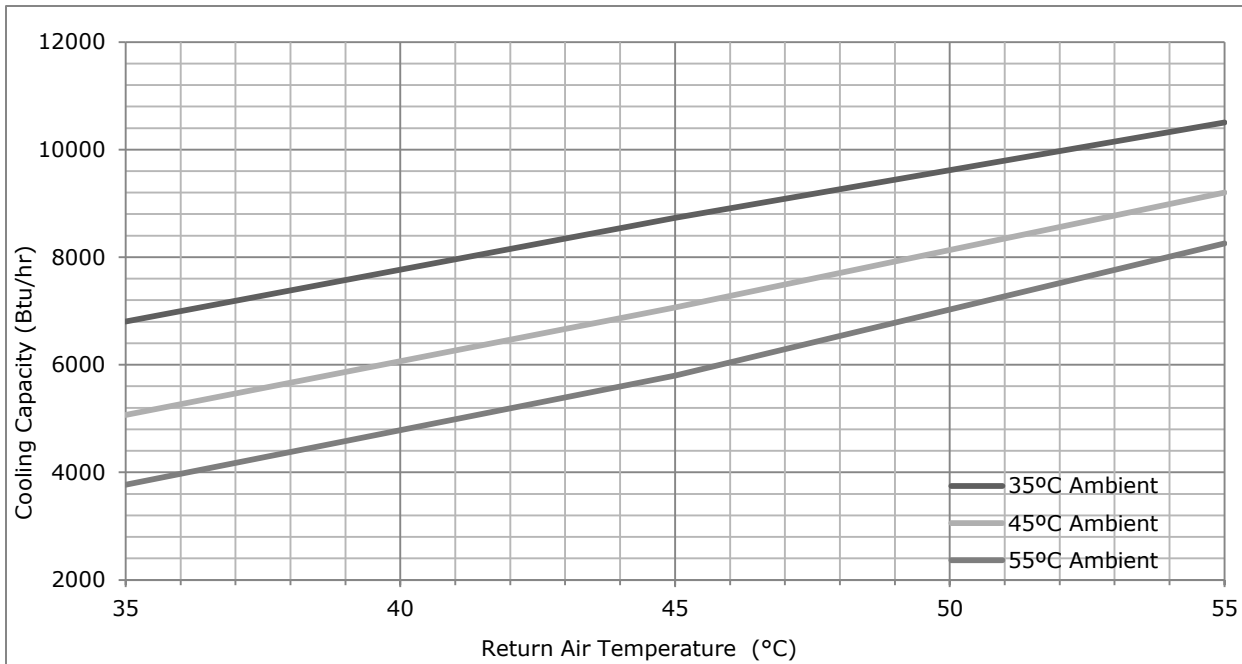
#### Applications

- Radio base stations
- Telecom shelters
- Indoor & outdoor cabinets and enclosures
- Power supply cabinets, Battery cabinets and Rectifier cabinets
- Network switching rooms, Computer rooms
- Automation control cabinets, Process control centers
- Machine cooling & CNC machines
- Drive cabinets, Turbine control cabinets
- Digital advertisement boards, Kiosk display systems

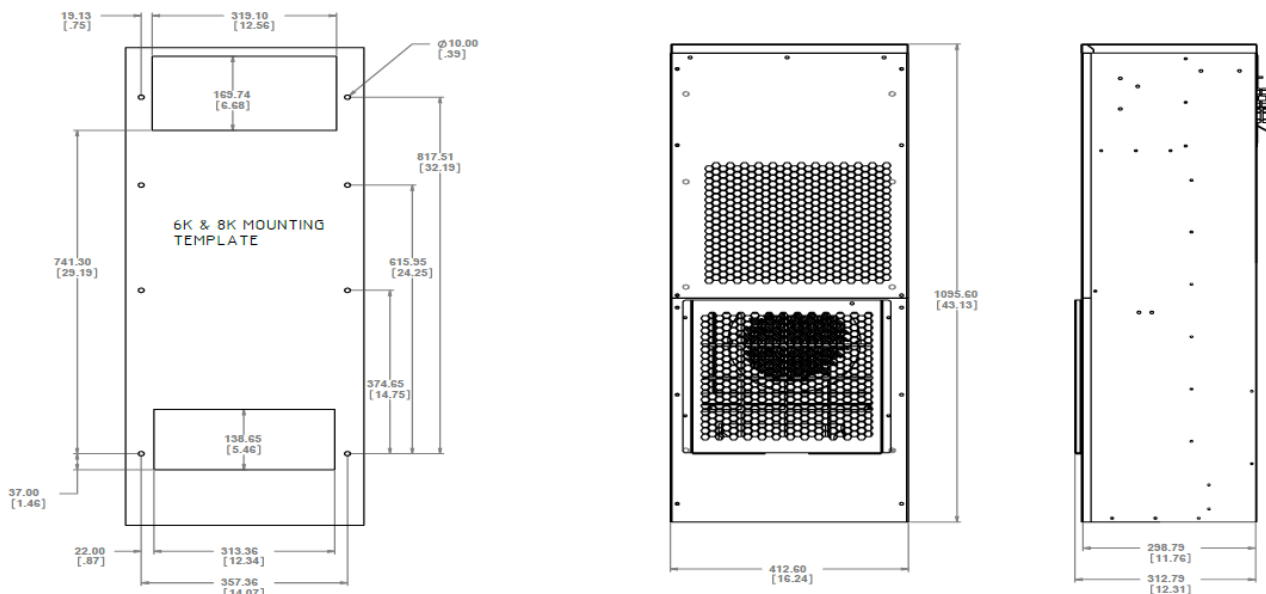
**TECHNICAL DATA**  
**8,000 BTU/HR. AIR CONDITIONER**

<b>General</b>		
Model number		iA/C T-B8000
Mounting method		Outdoor
Unit dimensions (height×width×depth)	Inch [mm]	43x16x12[1092.2x406.4x304.8]
Weight	lbs [kg]	105[47.7]
<b>Performance (240V/60Hz)</b>		
Cooling capacity at 131°F internal/ 131°F ambient (55°C/55°C)	BTU/h [W]	8256 [2417]
Cooling capacity at 95°F internal/ 95°F ambient (35°C/35°C)	BTU/h [W]	6804 [1992]
Internal airflow by air conditioning	CFM [m <sup>3</sup> /h]	450 [765]
External airflow by air conditioning	CFM [m <sup>3</sup> /h]	580 [985]
Refrigerant type		R134a
Operational temperature range	°F [°C]	-40 to 131 [-40 to 55]
Noise, 1.5m distance	dB(A)	74
Heater	Watts	1500
<b>Electrical Data</b>		
Input voltage	Volts	230 VAC
Frequency	Hz	50/60 Hz
Max power consumption (Cooling)	Amps	5.5
<b>Approvals</b>		
RoHS, UL and cUL compliant	✓	SA10718
<b>Construction</b>		
Material	Galvanized Steel, Stainless Steel Optional	
Finish	Textured Powder Coat Standard, Color options available by request	

## AC 8000 COOLING CAPACITY CURVE



## DIMENSIONAL DIAGRAM-MOUNTING INTERFACE



Subject to change without notice

11 2015