

Portable AC Unit for Server Rooms - 18,000 BTU (5.275 kW), 208/240V

MODEL NUMBER: SRCOOL18K



Portable, self-contained 18,000 BTU server rack cooling system perfect for supplemental or backup cooling in server rooms and data centers, and as primary cooling in wiring closets and other IT environments without facility air conditioning.

Description

The SRCOOL18K SmartRack 18,000 BTU 208/240V Portable Rack Air Conditioner cools, dehumidifies and filters the air in your server room, data center or other environment with heat-sensitive equipment. The compact, portable unit fits into just 4 square feet of floor space. It is designed for supplemental or backup cooling of IT equipment to prevent shutdowns, malfunctions and costly downtime caused by overheating or fluctuating temperatures.

The self-contained SRCOOL18K packs 18,000 BTU/h (5.275 kW) of cooling capacity into a rack-width chassis. A built-in evaporator expels condensation through a directional exhaust duct, eliminating the need for a floor drain or water collection tank. The SRCOOL18K also dehumidifies and filters the air, providing better air quality that can enhance equipment performance. Efficient close-coupled cooling reduces energy use and operating costs.

Installation is quick and easy and does not require disruptive construction or the costly expense of hiring a plumber or HVAC specialist. The SRCOOL18K rolls into place on durable built-in casters. The NEMA L6-20P plug connects to a standard 208/240V 20A outlet. The unit restarts automatically after power failures, and a built-in timer supports unattended shutdown and startup.

By installing the optional SRCOOLNET2LX network management card (sold separately), you can monitor temperatures, receive alerts, review logs, automate operation and control settings from anywhere via SNMP, web browser, SSH or telnet. The SRCOOLNET2LX includes the ENVIROSENSE remote sensor, which lets you monitor temperature and humidity up to 12-ft. (3.66 m) away from the SRCOOL18K.

Features

Portable, High-Capacity Cooling Power Produces 18,000 BTU/h (5.275 kW) of cooling capacity in a portable, rack-width chassis
Prevents equipment shutdowns, malfunctions and failures caused by overheating and temperature fluctuations
Filters and dehumidifies air to enhance equipment performance
Uses environmentally friendly R410A refrigerant, which complies with worldwide standards
Efficient close-coupled cooling reduces energy use and operating costs

Convenient Operation Adjustable louvers support area cooling applications
Flexible output duct aims cold air where it's needed, such as an overheated rack enclosure or equipment hot spot
Supports unattended shutdown and startup, including automatic restarts after power failures
Easy-to-read control panel with digital display and diagnostic LEDs for local management
System-lock function disables all other buttons to prevent accidental input

Advanced Network Monitoring Optional SRCOOLNET2LX accessory (sold separately) allows remote monitoring of temperatures, alerts, logs and control settings from anywhere via SNMP, web browser, SSH

Highlights

- 18,000 BTU/h (5.275 kW) of cooling capacity in 2 x 2-ft. (0.61 m) footprint
- NEMA L6-20P plug connects to standard 208/240V 20A outlet
- Directs cooling through adjustable louvers or duct
- Restarts automatically after power failures
- Supports network management via optional SRCOOLNET2

Package Includes

- SRCOOL18K SmartRack Portable Server Rack Cooling Unit - 18,000 BTU, 208/240V
- (2) Gray exhaust ducts
- Black cooling duct
- (2) Exhaust duct adapters
- (2) Adjustable exhaust panels
- (4) Self-tapping screws
- Cooling duct adapter
- Louvered vent insert (preinstalled)
- (2) Drainage plugs (preinstalled)
- Owner's manual



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or telnetSRCOOLNET2LX includes ENVIROSENSE remote sensor, which monitors temperature and humidity up to 12-ft. (3.66 m) away

Easy to InstallRolls into place on built-in castersFits into 2 x 2-ft. (0.61 m) section of floor space6.5-ft. (1.98 m) power cord with NEMA L6-20P plug connects to standard 208/240V 20A AC outletNo external condenser, refrigerant piping or professional maintenance requiredBuilt-in evaporator expels condensation through exhaust tube—no floor drain or water collection tank neededExhaust kit removes hot air from room through drop ceiling, window or return ductIncludes all parts required for setup

Specifications

OVERVIEW	
UPC Code	037332188090
INPUT	
Electrical Consumption (Max)	1985 Watts
Nominal Input Voltage(s) Supported	208V AC; 240V AC
Input Connection Type	NEMA L6-20P
Input Plug Features	NEMA L6-20P
Input Frequency	60 HZ
Input Cord Length (ft.)	6.56
Input Cord Length (m)	2.00
COOLING	
Airflow	Evaporator = 634 CFM / Condenser = 640 CFM
Cooling Type	Active
Cooling Capacity (BTUs)	18000
Cooling Capacity (kW)	5.3
Refrigerant	R410a (Environmentally friendly, Non ozone depleting)
Refrigerant Amount	36.68 oz.
Equivalent Room Size	35 sq. m (376.74 sq. ft.)
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LEDs	Touch sensitive control panel with multiple LEDs and numerical temperature readout
PHYSICAL	
Color	Black
Material of Construction	Steel
Form Factors Supported	Tower
Shipping Dimensions (hwd / in.)	46.20 x 25.60 x 29.80
Shipping Dimensions (hwd / cm)	117.35 x 65.02 x 75.69



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Shipping Weight (lbs.)	205.00
Shipping Weight (kg)	92.99
Unit Dimensions (hwd / in.)	38.200 x 20.500 x 21.700
Unit Dimensions (hwd / cm)	97.03 x 52.07 x 55.12
Unit Weight (lbs.)	175.37
Unit Weight (kg)	79.55
FEATURES & SPECIFICATIONS	
Air Supply Tube Length	71 inches
Air Exhaust Tube Length	118 inches
Air Exhaust Tube Diameter	5.16 inches
Compressor Type	Rotary
Dehumidifier	4.73 liters / hour
Sound Level (Noise)	59dB
Amp Draw Nominal	10.5A
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 484
Product Compliance	RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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