

Portable AC Unit for Server Rooms - 24,000 BTU (7 kW), 208/240V

MODEL NUMBER: SRCOOL24K



Portable, self-contained 24,000 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 SRCOOL24K SmartRack 24,000 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 SRCOOL24K packs 24,000 BTU/h (7kW) 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 SRCOOL24K 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 unit rolls into place on durable built-in casters. The NEMA L6-20P plug connects to a standard 208/240V 20A outlet. The SRCOOL24K restarts automatically after power failures, and a built-in timer supports unattended shutdown and startup.

The included SRCOOLNET2LX network management card lets you 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 SRCOOL24K.

Features

Portable, High-Capacity Cooling Power Produces 24,000 BTU/h (7 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 the 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 dual output ducts aim 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

Highlights

- 24,000 BTU/h (7 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 ducts
- Restarts automatically after power failures
- Supports network management via preinstalled SRCOOLNET2

Package Includes

- SRCOOL24K SmartRack Portable Server Rack Cooling Unit - 24,000 BTU, 208/240V, Network Management Card
- (2) Gray exhaust ducts
- (2) Black cooling ducts
- (2) Exhaust duct adapters
- (2) Adjustable exhaust panels
- (4) Self-tapping screws
- Dual cooling duct adapter
- Louvered vent insert (preinstalled)
- (2) Drainage plugs (preinstalled)
- ENVIROSENSE environmental sensor
- SNMP configuration cable
- Owner's manual

Advanced Network MonitoringIncluded SRCOOLNET2LX accessory allows remote monitoring of temperatures, alerts, logs and control settings from anywhere via SNMP, web browser, SSH or telnetENVIROSENSE remote sensor 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 a 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 | 037332184856 |
| INPUT | |
| Electrical Consumption (Max) | 2560 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 | |
| Cooling Type | Active |
| Airflow | Evaporator = 634 CFM / Condenser = 640 CFM |
| Cooling Capacity (BTUs) | 24000 |
| Cooling Capacity (kW) | 7.0 |
| Equivalent Room Size | 47 sq. m (505.9 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.) | 46.50 x 25.20 x 29.20 |
| Shipping Dimensions (hwd / cm) | 118.11 x 64.01 x 74.17 |

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|--------------------------------------|---|
| Shipping Weight (lbs.) | 223.00 |
| Shipping Weight (kg) | 101.15 |
| 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 | |
| Dehumidifier | 5 liters / hour |
| Compressor Type | Rotary |
| Refrigerant | R410a (Environmentally friendly, Non ozone depleting) |
| Refrigerant Amount | 42.33 oz. |
| Amp Draw Nominal | 13.5A |
| Sound Level (Noise) | 65dB |
| Air Supply Tube Length | 71 inches |
| Air Exhaust Tube Length | 118 inches |
| Air Exhaust Tube Diameter | 5.16 inches |
| STANDARDS & COMPLIANCE | |
| Product Certifications | CSA (Canada); NOM (Mexico); UL 484 |
| Product Compliance | RoHS |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |