SmartRack® 7,000 BTU 120V Rack-Mounted Air Conditioning Unit

MODEL NUMBER: **SRCOOL7KRM**

Highlights

- Saves valuable floor space in IT environments
- Saves energy with efficient close-coupled cooling
- Provides 7,000 BTU/h (2.0 kW) of cooling capacity
- Supports optional remote management via Ethernet
- Includes hardware for easy mounting in 19-inch racks

Applications

Supplemental cooling for confined server rooms where the facility HVAC is inadequate or unavailable.

Package Includes

- SRCOOL7KRM
- Magnetic air dam kit
- Directional output vent
- Mounting hardware
- Owner's manual

Description

The SRCOOL7KRM Rack-Mounted Air Conditioning Unit pumps 7,000 BTU/h (2.0 kW) of close-coupled cooling power into your IT equipment to prevent shutdowns, malfunctions and failures caused by overheating. This space-saving, energy-efficient unit is perfect for data centers, server rooms, network closets and other environments with heat-sensitive rack-mounted equipment and limited floor space.

The self-contained SRCOOL7KRM mounts just like any other rack equipment in 8U of space at the top or bottom of a rack enclosure. A magnetic air dam attaches to the front door of the rack enclosure to ensure that equipment draws cool air from the SRCOOL7KRM instead of drawing warm air from the room. Because it only cools the equipment inside the rack enclosure, the SRCOOL7KRM is much more efficient than solutions that cool an entire room to achieve the same result. The SRCOOL7KRM filters the air, and its built-in evaporator eliminates condensation, as well as the need for a floor drain or water collection tank.

The 7-foot cord plugs into a standard 15-amp (NEMA 5-15R) outlet. The unit restarts automatically after power failures, and you can use the built-in timer to schedule unattended shutdown and startup. The intuitive control panel includes a digital display and diagnostic LEDs to communicate operating conditions at a glance.

The optional SRCOOLNET2 remote management accessory (sold separately) allows you to monitor temperatures, receive alerts, review logs and control settings over the Ethernet network from any location via SNMP, Web, SSH or telnet. The SRCOOLNET2 accessory also includes an ENVIROSENSE® temperature and humidity sensor that allows you to link cooling output with temperature readings up to 12 feet away.

Features

Compact and Efficient Cooling

- Saves valuable floor space in IT environments with available rack space
- Saves energy with efficient close-coupled cooling, cooling only the equipment inside the rack enclosure instead of the entire room
- Provides 7,000 BTU/h (2.0 kW) of cooling capacity in a rack-mounted 8U chassis
- Prevents equipment shutdowns, malfunctions and failures caused by overheating and temperature fluctuations

- Uses environmentally friendly R410A refrigerant

Convenient Operation

- Directional output vent aims cool air upward or downward, allowing the unit to operate from the bottom or top of the rack enclosure
- Supports unattended shutdown and startup, including automatic restarts after power failures
- Intuitive front-panel controls with an informative digital display and diagnostic LEDs
- Operates at noise levels comparable to an average office setting

Remote Management Support

- The optional SRCOOLNET2 remote management accessory (sold separately) allows you to monitor temperatures, receive alerts, review logs and control settings over the Ethernet network from any location via SNMP, Web, SSH or telnet
- The SRCOOLNET2 also includes an ENVIROSENSE temperature and humidity sensor that allows you to link cooling operation with temperature readings up to 12 feet away

Easy Installation

- Plugs into a standard 15-amp outlet (NEMA 5-15R)
- Built-in evaporator eliminates condensation—no floor drain or water collection tank needed
- Magnetic air dam attaches to rack enclosure's front door to optimize airflow
- Includes mounting hardware for installation in standard 19-inch rack enclosures

Specifications

INPUT	
Nominal Input Voltage(s) Supported	120V AC
Electrical Consumption	1020 Watts Max
Input Connection Type	NEMA 5-15P
Input Cord Length (ft.)	7
Input Cord Length (m)	2.1
Input Frequency	60 Hz

USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	2-digit LCD displays numerical temperature readout
Front Panel LEDs	Push-button control panel with multiple LEDs for operational configuration

PHYSICAL	
Shipping Dimensions (hwd / in.)	23.4 x 22.8 x 27.7
Shipping Dimensions (hwd / cm)	59.4 x 58 x 70.4
Shipping Weight (lbs.)	77.2
Shipping Weight (kg)	34.74
Unit Dimensions (hwd / in.)	13.9 x 17.35 x 22.52

Unit Dimensions (hwd / cm)	35.3 x 44.1 x 57.2
Unit Weight (lbs.)	61.6
Unit Weight (kg)	27.68
Color	Black
Form Factors Supported	Rackmount

ENVIRONMENTAL

Cooling Capacity	7,000 BTU / 2.0 kW

COMMUNICATIONS

SNMP Compatibility	SRCOOLNET2 (Optional) remote management accessory for remote monitoring and control

SPECIAL FEATURES

Dehumidifier	1.25L / hour
Compressor Type	Rotary
Refrigerant	R410a (Environmentally friendly, Non ozone depleting)
Refrigerant Amount	18.7 ounces
Air Flow	198.25 CFM
Amp Draw Nominal	8.5
Sound Level (Noise)	57dbA

CERTIFICATIONS

Certifications	Tested to UL484; CSA, RoHS

WARRANTY

Product Warranty Period (Worldwide)	1-year limited warranty