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Model #: SRCOOL33K

Energy-Saving, Row-Based Air Conditioning Unit



Highlights

- 33,000 BTU (9.7kW) of cooling power with 1/3 less power consumption
- Variable-speed, DC-inverter-driven compressor and microprocessor-controlled electronic expansion valve (EEV) enable precision cooling adjustments--no more wasteful, noisy cycling between off and full blast
- Soft-start feature limits inrush current to prevent introduction of line noise, voltage disruptions and potential circuit overloads
- Self-contained, zero-maintenance unit re-humidifies condensate and expels it through the exhaust air stream--no floor drain, water collection tank, external condenser, refrigerant piping, duct work or plumbing required
- Includes a standard heavy-duty L6-30P input plug for easy installation - no electrician needed
- 200-240V AC Input, 50/60 Hz frequency compatibility

Description

The harder your data center works, the more it heats up. As temperature rises, sensitive equipment under performs, leading to fatal downtime and errors in mission-critical applications. Tripp Lite's SRCOOL33K row-based air conditioning unit provides advanced features that keep your equipment performing at its peak and saves money, time and worry. It costs up to 38% less per BTU of cooling capacity vs. the leading competitor (based on ERP), even less when installation costs are considered as the SRCOOL33K requires no start-up service or electrician. It features cutting-edge components that limit inrush current and enable precision cooling adjustments to minimize power consumption, maximize cooling and improve your application efficiency.

By delivering 33,000 BTU (9.7kW) of cooling power in the cold aisle, the SRCOOL33K promotes temperature uniformity from 1U to 42U, while an advanced airflow path optimizes efficiency and cooling predictability. An Electronic Expansion Valve (EEV) and inverter-driven compressor provide precision cooling adjustments that eliminate wasteful, noisy On/Off cycling. Controlling the unit is simple with the convenient, easy-to-use LCD screen, or control the unit from anywhere in the world via Web, telnet/SSH, SNMP or included Modbus card. Maintenance is no-hassle due to the self-contained, zero-maintenance design with no floor drain, water collection tank, external condenser or extra plumbing required.

The SRCOOL33K can be user-installed and features a standard heavy-duty L6-30P input plug for easy installation and up-front cost savings, while a convenient soft-start feature prevents line noise, power disruptions and overloads at startup. The eco-friendly unit is both RoHS compliant and uses R410a refrigerant, so you'll never have to worry about meeting environmental standards.

Applications

Supplemental cooling of data center equipment in confined areas where the facility HVAC is inadequate or doesn't reach.

Package Includes

- SRCOOL33K cooling unit
- 10-ft L6-30P input cordset
- Hot exhaust air removal tube (4 pcs)
- Unloading ramps
- Warranty information
- Instruction Manual

Features

- 33,000 BTU (9.7kW) of cooling power with 1/3 less power consumption
- Variable-speed, DC-inverter-driven compressor and microprocessor-controlled electronic expansion valve (EEV) enable precision cooling adjustments--no more wasteful, noisy cycling between off and full blast
- Soft-start feature limits inrush current to prevent introduction of line noise, voltage disruptions and potential circuit overloads
- Self-contained, zero-maintenance unit re-humidifies condensate and expels it through the exhaust air stream--no floor drain, water

collection tank, external condenser, refrigerant piping, duct work or plumbing required

- Convenient LCD control panel and network interface provide local and remote monitoring and control of temperature, humidity, fan speed, alarms and logging via front-panel buttons, SNMP, Web, telnet/SSH or Modbus
- Row-based airflow path maximizes hot-aisle/cold-aisle efficiency and cooling predictability by supplying cold intake air high in the cold aisle and removing hot equipment exhaust air high in the hot aisle
- Includes a standard heavy-duty L6-30P input plug for easy installation - no electrician needed
- RoHS compliance and R410A refrigerant meets environmental standards worldwide
- 200-240V AC Input, 50/60 Hz frequency compatibility

Specifications

OVERVIEW	
Model Type	Active Cooling
INPUT	
Nominal Input Voltage(s) Supported	200V AC; 208V AC; 220V AC; 240V AC
Input connection type	L6-30 / Hardwire
Input cord length (ft.)	10
Input cord length (m)	3
Input frequency	50/60 Hz
LEDS ALARMS & SWITCHES	
Front panel LEDs	Multi-line LCD control panel
PHYSICAL	
Unit Dimensions (HWD/in)	78.5 x 23.63 x 43
Shipping Dimensions (HWD/in)	85.5 x 26.5 x 46.85
Unit weight (lbs)	700
Material of construction	Steel/Aluminum
Color	Black
Form factors supported	Tower
ENVIRONMENTAL	
Cooling Capacity	33,000 BTU / 9.7 kW
SPECIAL FEATURES	
Dehumidifier	2.5 gal/hour
Compressor Type	DC inverter driven variable speed
Refrigerant	R410a (Environmentally friendly, Non ozone depleting)
Refrigerant Amount	8.4lbs
Air Flow	1200 CFM
Amp Draw Nominal	Variable
Sound Level (Noise)	
Air Exhaust Tube Length	98 inches

Air Exhaust Tube Diameter	9.84 inches
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty
Optional Coverage	Extended Warranty options available (WEXT3-SRCOOL33K = 2-year extension, WEXT5-SRCOOL33K = 4-year extension)

Related Items

Optional Products

Related Model	Description	Qty.
WEXT3-SRCOOL33K	3-Year Extended Warranty (2-Year Extension) for SRCOOL33K	1
WEXT5-SRCOOL33K	5-Year Extended Warranty (4-Year Extension) for SRCOOL33K	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=5211.

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