Intelligent, high-density cooling for mission-critical applications

Inventory available NOW

Small and mid-sized data centers and colocation facilities require highly efficient and reliable cooling solutions. SmartRack in-row air conditioning systems are installed directly adjacent to the heat source in a row of server racks for up to 25% higher cooling efficiency than CRAC cooling solutions. They are ideal for precision cooling that boosts the performance and longevity of critical IT equipment and helps reduce energy consumption.

High Efficiency

- Close-coupled design reduces energy consumption for cooling by up to 25% vs. CRAC/perimeter cooling
- Small footprint (300 mm/half-rack wide) preserves space for revenue-generating equipment

Sophisticated Operation

- Intuitive 7 in. display allows easy commissioning and diagnostics
- Maintenance mode delivers instant maximum cooling during maintenance and support work
- Variable-speed controls conserve energy during off-peak hours and adjust dynamically if the heat load increases

Robust Cooling

- Rated cooling capacity of 12.8 kW or 25.8 kW to protect mission-critical equipment
- Cools up to five racks per unit

Convenient Installation & Management

- Pre-installed network management card allows remote management
- Outdoor condenser unit included
- Configurable for front or side airflow
- No raised floor required

Specifications

	SRCOOLDXRW12	SRCOOLDXRW25
Indoor cooler		
Rated cooling capacity[1]	12.8 kW (43,686 BTU/hr)	25.8 kW (88,000 BTU/hr)
Max airflow[2]	1,475 CFM	2,950 CFM
Mounting type	In-row	In-row
Cooling type	Direct expansion (DX)	Direct expansion (DX)
Refrigerant type	R410A	R410A
Unit height	2000 mm (78.7 in.) – 42U	2000 mm (78.7 in.) – 42U
Unit depth	1100 mm (43.3 in.)	1100 mm (43.3 in.)
Unit width	300 mm (11.8 in.)	300 mm (11.8 in.)
Unit weight	180 kg (397 lb.)	198 kg (437 lb.)
Power input	208V, 60 Hz (3-phase)	208V, 60 Hz (3-phase)
MCA (minimum current ampacity)	19A	33A
MOP (maximum overcurrent protection)	25A	50A
Standards	UL 60335 compliant; CSA, FCC Class A, NOM, RoHS	
Outdoor condenser[3]		
Unit height	1240 mm (48.8 in.)	700 mm (27.4 in.) – without support legs
Unit depth	450 mm (17.7 in.)	990 mm (39 in.)
Unit width	800 mm (31.5 in.)	1410 mm (55.4 in.)
Leg height	N/A (Vertical standing)	454 mm (17.9 in.)
Unit weight	62 kg (136.6 lb.)	87 kg (191.8 lb.)
Power input	208V, 60 Hz (Single-phase)	208V, 60 Hz (3-phase)

Notes:
1. Cooling capacity is based on 98.6ºF, 24% RH return air and 95ºF outdoor temperature with suggested condenser.
2. Airflow is based upon rated setting. Fans modulate per real loads.
3. Condenser unit is included.

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Tripp Lite is now part of Eaton.

Explore our Top-of-Rack Cooling Solution (see reverse)

Reliable cooling – no additional floor space required

Inventory available
NOW

Distributed IT networks now have a cooling solution optimized for micro data centers, server rooms, IT closets and edge installations with mission-critical IT equipment. The SmartRack top-of-rack precision cooling system is a self-contained air conditioner for single-rack cooling. By sitting directly on top of a rack, it takes advantage of the natural behavior of cold and hot air and the custom-sealed Eaton rack to offer a unique and efficient close-loop cooling solution.

Rapid Deployment Solution

- Sold in pre-assembled bundles with the 3.5 kW cooling unit on top of a matching 25U or 33U rack
- Cooling unit also compatible with EIA racks with removable tops up to 33U
- 9U cooling unit adds zero footprint to IT spaces

Robust and Reliable Cooling

- Up to 3.5 kW (12 kBTU) cooling capacity
- Closely coupled to heat source for high efficiency and predictability

Network-Grade Management

- Built-in remote management card (SNMP, MODBUS TCP/IP)
- Large (7 in.) LCD touchscreen display for easy status monitoring and diagnostics

Dynamic Operation

- Variable-speed cooling for constant rack temperature
- Optional emergency ventilation

SRCOOL3KTP25U
(SRCOOL3KTP +
SR25UBAC)

Also available:
SRCOOL3KTP33U
(SRCOOL3KTP+SR33UBAC)

Cooling bundles and accessories

Model	Description
SRCOOL3KTP25U	Bundle of 3.5 kW top-of-rack cooling system with matching 25U rack
SRCOOL3KTP33U	Bundle of 3.5 kW top-of-rack cooling system with matching 33U rack
SRCOOL3KTP	3.5 kW top-of-rack cooling unit
SRCOOLTMVENT	Optional emergency ventilation kit for SRCOOL3KTP
SRCOOLTPDUCT	Optional hot-air exhaust duct accessory for SRCOOL3KTP

Cooling unit specifications

Model	SRCOOL3KTP
Total Capacity	3.5 kW (12 kBTU/h)
Set Point Temperature Range	64° to 99° F (18° to 37° C)
Maximum Rejected Heat	4.3 kW
Air Circulation	350 CFM
Mounting Type	Top of Rack (Compatible with most EIA-compliant racks ≤ 33U.)
Cooling Type	Direct Expansion (DX)
Refrigerant Type	R410A
Unit Height	15.4 in. (39 cm)
Unit Width	23.6 in. (60 cm)
Unit Depth	43.3 in. (110 cm)
Unit Weight	168 lb. (76.2 kg)
Input Power	Single-Phase 208-240V, 60 Hz, 12.1A (Hardwire)
Maximum Inrush Current	20A
Maximum Input Watts	3.5 kW
Peek EER	3.3
LCD Display	7 in. (18 cm) Touchscreen
Alarms (Function)	Yes (Water Leak, High/Low Temp, High Humidity, High/Low Pressure, Sensor Failure)
Communication Ports	RJ45 (SNMP), RJ45 (MODBUS TCP/IP)
SNMP Network Management	Yes (Includes LX platform network management interface.)
Standards	Tested to UL 60335; CSA, FCC Class A, NOM, RoHS

Note: Airflow is based upon rated setting. Fans modulate per real loads.

Contact us for more information:

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Tripp Lite is now part of Eaton.

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