1000 Eaton Boulevard
Cleveland, OH 44122
United States

This standalone air conditioning system requires professionally installed piping and electrical connections between the indoor cooling unit and the outdoor condenser, which mounts on a rooftop or condenser yard.

In-Row Precision Cooling System - 12.8 kW (43,686 BTU/hr), 3PH, 208V, 42U, 300mm

MODEL NUMBER: **SRCOOLDXRW12**

In-row precision air conditioner provides robust cooling in a space-saving footprint for small data centers and high-performance computer rooms.

Highlights

- Cools mission-critical equipment with up to 12.8 kW (43,686 BTU/hr) of high-precision in-row cooling power
- Slim 300 mm profile allows maximum cooling while taking up little space
- Close-coupled design improves energy efficiency by 25% over traditional CRACs
- User-friendly color touchscreen allows complete access to data and status information
- Configurable side and/or front airflow discharge and maintenance mode capability
- Hot swappable fans

Package Includes

- Indoor in-row air conditioning unit
- Outdoor condenser
- Side discharge panels / adapters
- Hardware kits
- Owner’s manual

Features

Slim Air Conditioning System Saves Space While Delivering Primary Precision Cooling
This SmartRack® in-row precision air conditioning system is the ideal cooling option for your small-to-medium data center, IT room or other edge location. Typical CRAC/CRHC units are too large for these locations, but the SRCOOLDXRW12 cools your mission-critical equipment while occupying very little floor space, supporting up to 12.8kW (43,686 BTU/hr) of heat load per unit. The cabinet is just 300 millimeters wide, making it easy to position optimally within a row for precision close-coupled cooling. It requires the same front and rear clearance as a standard rack enclosure.

Uses DX Technology to Deliver Cool Air to Loads
This direct expansion (DX) cooling system pulls unconditioned air through the rear of the unit, cools it with condensed refrigerant and delivers it to equipment loads with up to 43,686 BTU/hour and more than 1,475 CFM airflow. EC fans and a variable speed compressor provide variable airflow and constant temperature based on room conditions.

High Cooling Efficiency Saves You Money
Inverter compressor and EC fan technology automatically regulate cooling output to match heat load and conserve energy during off-peak hours, lowering your overall energy costs and lengthening the lifespan of the equipment being cooled. The close-coupled design captures heat at the source to improve energy efficiency by 25% over traditional perimeter CRACs. In addition, the SRCOOLDXRW12 is ideally sized for your small-to-medium data center at virtually any density, saving you the cost of a raised floor or an overbuilt/overprovisioned CRAC unit. It uses eco-friendly R410A refrigerant, reflecting your commitment to environmental responsibility.

Easy to Operate with the Color Touchscreen
You have total control over the SRCOOLDXRW12 using the front-panel color touchscreen interface, which lets you monitor and access system configuration and status information. A built-in controller detects and manages data center temperatures, automatically adjusts cooling levels and supports various control modes. Intelligent temperature control and variable speed technology allow precise airflow and temperature adjustment to match specific load requirements closely without wasting energy on overcooling.

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Reconfigure Your Cooling Needs as Your Equipment Needs Change
The modular, in-row cabinet design easily facilitates expansion or movement on its built-in casters, allowing your increasing cooling needs to be reconfigured as your data center grows. A simple redundancy model (N+1) is built in as part of the number of scalable units to be deployed.

Pre-Installed WEBCARDLXMINI Network Interface Offers 24/7 Access
Remote access to the SRCOOLDXRW12 can save you the time and expense of having someone constantly on-site. The built-in WEBCARDLXMINI lets you manage temperatures, receive alerts, review logs and control settings 24/7 via HTTP(S), menu/CLI via SSH/Telnet and SNMP for integration with management software platforms such as DCIM. The ability to configure settings and monitor alarms off-site can bolster your bottom line.

Designed for Simple Maintenance and Convenience
By placing the SRCOOLDXRW12 close to a rack, you can eliminate hot spots. A water pump automatically drains condensed water and detects the fill pan's level to avoid leakage. Insulated side panels isolate the unit from external temperature variations. Electrical connections can be routed through either the top or bottom, whichever is more convenient for your application. The SRCOOLDXRW12 supports front or side air discharge. You can configure included panels to direct airflow as necessary to adapt to nearly any environment.

Specifications

OVERVIEW	
UPC Code	037332250674
INPUT	
Electrical Consumption (Max)	4800 Watts
Nominal Input Voltage(s) Supported	208V AC
Maximum Input Amps	16
Input Connection Type	3-wire / 4-wire + Ground
Input Plug Features	3-wire / 4-wire + Ground
Input Frequency	60 Hz
COOLING	
Cooling Type	Active
Airflow	1,475 CFM
Cooling Capacity (BTUs)	43686
Cooling Capacity (kW)	12.8
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LEDs	7-inch color touchscreen
PHYSICAL	
Color	Black
Material of Construction	Aluminium, Steel

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Shipping Dimensions (hwd / in.)	85.60 x 23.60 x 47.20
Shipping Dimensions (hwd / cm)	217.42 x 59.94 x 119.89
Shipping Weight (kg)	215.00
Unit Dimensions (hwd / in.)	78.700 x 11.800 x 43.300
Unit Dimensions (hwd / cm)	200 x 30 x 110
Unit Weight (lbs.)	397
Unit Weight (kg)	180.08
ENVIRONMENTAL	
Storage Temperature Range	-40 to +140 degrees Fahrenheit / -40 to +60 degrees Celsius
Operating Elevation (ft.)	0 to 13,000
Operating Temperature	+4 to +115 degrees Fahrenheit / -16 to +46 degrees Celsius
Operating Humidity Range	5 to 80%
Ambient Operation RH	5 to 80%
Condensate Drain Pumps (L/HR)	Max distance 150ft (45m), max lift 26.5ft (8m)
Condensate Water Drains	1/4 in. Connection
COMMUNICATIONS	
SNMP Compatibility	Yes, WEBCARDLX card included
FEATURES & SPECIFICATIONS	
Compressor Type	Rotary (Inverter Driven)
Refrigerant	R410a (Environmentally friendly, Non ozone depleting)
Refrigerant Amount	12.1 lb. / 5.0 kg (Nominal)
Sound Level (Noise)	78 DBA @ 1475 CFM @ 1 METER
Fans (Type/Quantity)	0-2000 RPM x 3
OPERATION	
Operation Mode	Cooling, Standby, Off, Maintenance Mode
Supply Air Temperature (Celsius)	18-27 deg. C (limited by heating load)
Applied Containment Types	Close/Open
Fan Controls	Automatic
Force Modes	Maintenance Mode, Rotation Mode
Installation Modes	Condenser above or slightly below In-Row; vertical condenser.
Manual Modes	Service and factory setting menus for manual adjustment
Power Redundancies	Single only

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System Type Selections	Deg. F; Deg. C (default is Deg. F)
Temperature Unit Selections	Deg. F; Deg. C (default is Deg. F)
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 60335 (Canada); NOM (Mexico); UL 60355
Product Compliance	RoHS; FCC Part 15 Class B (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty