

Important Note

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 - 25.8 kW (88,000 BTU), 3PH, 208V, 42U, 300mm

MODEL NUMBER: SRCOOLDXRW25



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

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 SRCOOLDXRW25 cools your mission-critical equipment while occupying very little floor space, supporting up to 25.8kW (88,000 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 88,000 BTU/hr and nearly 2,950 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 SRCOOLDXRW25 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 SRCOOLDXRW25 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

Highlights

- Cools mission-critical equipment with up to 25.8 kW (88,000 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
- Outdoor Condenser Included

Package Includes

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



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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.

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 SRCOOLDXRW25 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 SRCOOLDXRW25 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 SRCOOLDXRW25 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 | 037332250681 |
| INPUT | |
| Electrical Consumption (Max) | 10 kW |
| Nominal Input Voltage(s) Supported | 208V AC |
| Nominal Input Voltage Description | 208V AC 60 Hz |
| Maximum Input Amps | 27 |
| Input Connection Type | 3-wire / 4-wire + Ground |
| Input Plug Features | 3-wire / 4-wire + Ground |
| Voltage Compatibility (VAC) | 208 |
| Input Frequency | 60 Hz |
| OUTPUT | |
| Frequency Compatibility | 60 Hz |
| COOLING | |
| Airflow | 2,950 CFM |
| Cooling Type | Active |
| Cooling Capacity (BTUs) | 88000 |
| Cooling Capacity (kW) | 25.8 |



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|--|---|
| Refrigerant | R410a (Environmentally friendly, Non ozone depleting) |
| Refrigerant Amount | 17.4 lb. / 8.0 kg (Nominal) |
| USER INTERFACE, ALERTS & CONTROLS | |
| Front Panel LEDs | 7-inch color touchscreen |
| PHYSICAL | |
| Color | Black |
| Material of Construction | Aluminium, Steel |
| Shipping Dimensions (hwd / in.) | 89.75 x 41.00 x 49.00 |
| Shipping Dimensions (hwd / cm) | 227.96 x 104.14 x 124.46 |
| Shipping Weight (kg) | 317.51 |
| Unit Dimensions (hwd / in.) | 78.700 x 11.800 x 43.300 |
| Unit Dimensions (hwd / cm) | 200 x 30 x 110 |
| Unit Weight (lbs.) | 437 |
| Unit Weight (kg) | 198.22 |
| ENVIRONMENTAL | |
| Storage Temperature Range | -40° to 140° F (-40° to 60°C) |
| Operating Elevation | 0-13123 ft. (0-4000 m) |
| Audible Noise | 68 dBA |
| Operating Temperature | 4° to 115°F (-16° to 46°C) |
| Operating Humidity Range | 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, WEBCARDLXMINI card included |
| FEATURES & SPECIFICATIONS | |
| Compressor Type | Rotary (Inverter Driven) |
| Sound Level (Noise) | 68 DBA @ 3000 CFM @ 1 METER |
| Fans (Type/Quantity) | 0-3000 RPM x 6 |
| 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 |



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|-------------------------------------|---|
| Fan Controls | Automatic |
| Force Modes | Maintenance Mode, Rotation Mode |
| Installation Modes | Condenser above or slightly below In-Row; horizontal or vertical condenser. |
| Manual Modes | Service and factory setting menus for manual adjustment |
| Power Redundancies | Single only |
| 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 60335 |
| Product Compliance | FCC Part 15 Class A (USA); RoHS |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |

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