The air conditioning system component requires professionally installed piping and electrical connections

between the indoor cooling unit and the outdoor condenser, which mounts on a rooftop or condenser yard.

SmartRack Pre-Configured, Self-Cooling Modular Data Center - 2x 44U Racks, 2x 12 kW AC Units

MODEL NUMBER: **SRP-2R-2C12**

Combines IT rack and cooling enclosures to form one compact, configurable performance optimized data center (POD).

Features

Scalable Modular Data Center Promotes Quick Configuration and Lower Costs
The growth of edge computing and distributed AI has increased demand for small data centers with shorter deployment cycles, lower costs and optimized capacity. This SmartRack® Modular Data Center is composed of IT rack and cooling enclosures that form a performance optimized data center (POD). This solution reduces deployment time, lowers cost and simplifies the process of launching a new data center.

Easy Configuration and Scalability
The SRP-2R-2C12's dual IT rack enclosures each house up to 44U of rack-mounted equipment on built-in rails. Dual cooling enclosures come with slim 12 kW in-row cooling units (SRCOOLDXRW12) to help prevent equipment malfunctions due to overheating or fluctuating temperatures. Together, the IT rack enclosures and the data center cooling enclosures form an efficient closed-loop cooling system.

Equipment Protection
POD enclosures protect equipment from physical and environmental conditions found in factories, warehouses and other edge computing locations. Power and data cables are separated from cooling lines, protecting them from moisture. The IT rack enclosures have locking front and back doors with clear acrylic windows that allow convenient visual monitoring of equipment.

Efficient Cooling
The SRCOOLDXRW12 in-row precision cooling system includes an outdoor condenser. Removable side panels form a closed-loop cooling system with the rack enclosure to help prevent equipment malfunctions due to overheating or fluctuating temperatures. Precision cooling eliminates hot spots, prevents hot/cold mixing, reduces energy consumption, increases cooling capacity and decreases fan noise. A user-friendly color touchscreen allows local access to data and status information. The built-in WEBCARDLXMINI network interface allows remote monitoring and control.

Hassle-Free Transport and Positioning
The POD's modular data center enclosures are durable enough to be transported on a standard flatbed truck. They arrive on-site ready to be populated, connected and powered. Included metal casters help you move the enclosures into their permanent position.

Highlights

- Reduces deployment time, lowers your costs and simplifies the launching process
- Houses up to 88U of rack-mount equipment on built-in mounting rails
- Slim 12 kW in-row cooling units help prevent equipment downtime due to overheating
- Ships ready for immediate population, connection and powering up
- Ideal for edge computing, AI and machine learning, and manufacturing applications

Package Includes

SRP-2R-2C12 SmartRack Modular Data Center

Simple Maintenance Access

Access to equipment is easy through the enclosures' removable, locking side panels. The cooling units' filters are user-replaceable with readily available standard-size filters.

Specifications

OVERVIEW	
UPC Code	037332287823

INPUT	
Input Connection Type	3-wire / 4-wire + Ground
Voltage Compatibility (VAC)	208
Input Frequency	60 Hz

COOLING	
Airflow	2,950 CFM
Cooling Type	Active
Cooling Capacity (BTUs)	87372
Cooling Capacity (kW)	25.6
Refrigerant	R410A
Full Cooling Specifications	Direct Expansion (DX)

USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	7-inch color touchscreen

PHYSICAL	
Color	Black
Rack Height	44U
Maximum Device Depth (cm)	123.70
Maximum Device Depth (in.)	48.7
Maximum Device Depth (mm)	1,237
Unit Dimensions (hwd / in.)	95.070 x 81.020 x 64.880
Unit Weight (lbs.)	2814
Unit Weight (kg)	1,276.41
Weight Capacity - Stationary (kg)	1,361
Weight Capacity - Stationary (lbs.)	3000
Complete Configuration Dimensions (hwd / in.)	95.070 x 81.020 x 64.880
Complete Configuration Dimensions (hwd / cm)	241.48 x 205.79 x 164.80

ENVIRONMENTAL

Operating Temperature Range	64° to 104°F (18° to 40°C)
Storage Temperature Range	-40° to 140°F (-40° to 60°C)
Operating Elevation	0-13123 ft. (0-4000 m)
Audible Noise	< 68 DBA
Operating Humidity Range	5 to 80% RH
Condensate Drain Pumps (L/HR)	9 liters/hr per cooling unit
Condensate Water Drains	Yes

FEATURES & SPECIFICATIONS

Grounding Details	Front and back door frames
Compressor Type	Rotary (Inverter Driven)
Sound Level (Noise)	< 68 DBA
Ingress Protection (IP) Rating	IP54
Built-in Cable Management	Yes
Fans (Type/Quantity)	EC 0-2000 RPM x 3
Locking	Yes
Pre-Installed Casters	Yes

STANDARDS & COMPLIANCE

Product Compliance	FCC Part 15 Class A (USA); RoHS

WARRANTY & SUPPORT

Warranty Details	1-year limited warranty for cooling units; 5-year limited warranty for Rack Enclosure

COMPONENTS

IT Rack Description	IT rack enclosure (44U) — Clear acrylic windows in the front and back doors allow equipment monitoring without unlocking the doors.
IT Rack Quantity	2
Cooling Enclosure Description	Cooling enclosure secures the cooling unit at the top and bottom via brackets, and include connections hole patterns at the top and bottom of the enclosure.
Cooling Enclosure Quantity	2
Service Enclosure Quantity	0