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 - 4x 44U Racks, 3x 12 kW AC Units, Service Enclosure

MODEL NUMBER: **SRP-4R-3C12-M**



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

Highlights

- Reduces deployment time, lowers your costs and simplifies the launching process
- Houses up to 176U of rack-mount equipment on built-in mounting rails
- Slim 12 kW in-row cooling units help prevent equipment downtime due to overheating
- Service closet with vented doors is easily customizable to match your application needs
- Ideal for edge computing, AI and machine learning, and manufacturing applications

Package Includes

SRP-4R-3C12-M SmartRack Modular Data Center

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, cooling and service 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-4R-3C12-M's four IT rack enclosures each house up to 44U of rack-mounted equipment on built-in rails. Three 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.

Customize Your Service Closet to Match Your Needs
The service enclosure with vented doors is empty so you can customize it according to your application's needs. For instance, it can house 3-phase UPS systems, power distribution panels, fire suppression systems or non-IT equipment that does not need to be in the environmental area of the rack and cooling unit. As your edge computing or other needs grow, you can add enclosures to the POD.

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 enclosures 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.

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	037332287908
INPUT	
Input Connection Type	3-wire / 4-wire + Ground
Voltage Compatibility (VAC)	208
Input Frequency	60 Hz
COOLING	
Airflow	4,425 CFM
Cooling Type	Active
Cooling Capacity (BTUs)	131058
Cooling Capacity (kW)	38.4
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 177.240 x 64.880
Unit Weight (lbs.)	5527
Unit Weight (kg)	2,507.01

Weight Capacity - Stationary (kg)	1,361
Weight Capacity - Stationary (lbs.)	3000
Complete Configuration Dimensions (hwd / in.)	95.070 x 177.240 x 64.880
Complete Configuration Dimensions (hwd / cm)	241.48 x 450.19 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 units
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 and Service 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	4
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	3
Service Enclosure Description	Service enclosure (800 mm wide) — Empty enclosure can be customized according to the needs of the application.

Service Enclosure Quantity	1

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