VERTIV™ VRC™
RACK COOLING SYSTEM, 3500 WATTS

Cooling for Small IT Rooms

VERTIV.

BENEFITS

Fast, Easy Installation and Set-Up

Self-contained VRC100 series models include integrated heat rejection system, pre-charged with refrigerant, and plug connection for quick plug-and-play installation.

- Designed to fit within standard 19" network rack rails.

- Easy to handle; under 150 lbs.

- Heat rejection duct kit easily connects heat rejection air outlet to ceiling plenum, through a flexible duct.

- Condensate evaporation simplifies condensate drain management.

Saves Floor Space

- Self-contained rack-mounted cooling system: 10U.

Highly Efficient, Scalable Capacity

- Variable speed components continually match temperature and airflow to changing loads.

Remote Monitoring

- Modbus-RTU for connection to building management system, and a plug-in SNMP card for monitoring over the network.

The Vertiv™ VRC™ is a self-contained IT rack cooling unit designed specifically for critical equipment in small server rooms, network closets and edge computing spaces.

As small IT spaces have risen in criticality, cooling has become a challenge.

Until now, cooling solutions either lacked the capacity needed for IT equipment or were simply too large to fit in small spaces.

The rack-mounted Vertiv VRC provides up to 3,500 Watts of IT cooling, saving valuable IT floor space. Variable speed components enable it to efficiently scale with changing IT loads.

The system's unique design enables fast and easy installation.


Heat rejected to ceiling plenum

Heat rejection duct kit

The highly flexible Vertiv VRC easily accommodates the many different site challenges presented by small IT spaces. It can be installed to reject heat to the ceiling or an adjacent space.

Installation kit includes:

- Duct kit with 8" diameter flexible heat rejection duct

- 2'x2' ceiling grille and filter for room make-up air

- Condensate pump

- SNMP monitoring card

Hot Air from Servers

Cold Air Outlet to Servers

Heat Rejection Air Inlet

Left Side of Unit

Front of Unit

19.0" [482mm]
17.4" [442mm]
12.0" [304.3mm]
1.4" [5.2mm]
14.2" [360.3mm]

Front of Unit

38.5" [978mm]
17.3" [439mm]

Left Side of Unit
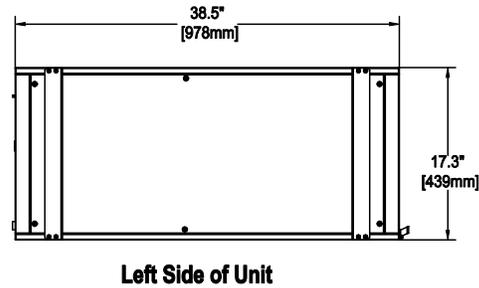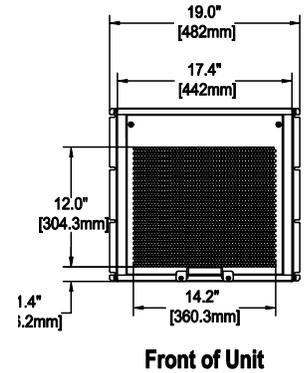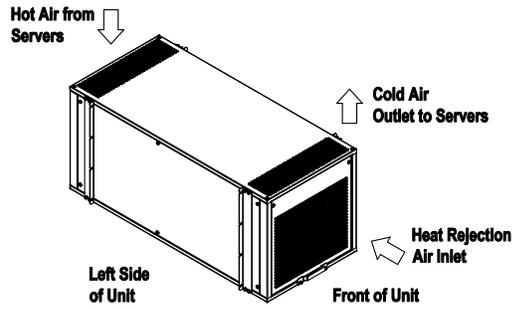
SKU#	VRC100	VRC101
Voltage	120V-1ph-60hz	208/230V-1ph-60hz
Total Current	15 amps	9 amps
Power Plug	5-20P	L6-20P
Agency Listing	UL484	
Dimensions (LxWxH), in (mm)	38" x 17.4" x 17.3" (978 x 442 x 439)	
Height	10U	
Airflow, CFM (CMH)	441 (750)	
Cooling Capacity, net sensible Watts (kBtuh)	3400 (11.6)	
Air temperature to VRC, °F (°C)	95.0 (35.0)	
Air temperature to IT equipment, °F (°C)	70.6 (21.4)	
Heat rejection inlet air temperature, °F (°C)	95.0 (35.0)	
Weight (without packaging), lbs (kg)	143.3 (65.0)	

VertivCo.com | Vertiv Headquarters, 1050 Dearborn Drive, Columbus, OH, 43085, USA