

Overview

Deploy a Comprehensive Edge Micro Data Centre Solution in Days

Vertiv™ VRC-S is a micro data centre solution, fully assembled at the factory and designed specifically for IT edge applications. Available in various configurations, the Vertiv VRC-S is delivered in days and installed in hours. Choose from four different cabinet sizes with two separate cooling methods (split and self-contained) with back-up, and the option to integrate a UPS. Plus, an intelligent switched PDU, including monitoring of all components, and a comprehensive software package completes the offer.

Site requirements

- Drain within 6m of location to accommodate the included condensate pump
- Floor must support a minimum of 1500kg
- 900mm of clearance in front and rear of rack
- Utility power: 230 VAC, 1 phase, 50 Hz, 32 A
- Wall-mounted receptacle: IEC60309 2P+E, 250 V splashproof IP44
- For Vertiv VRC split: Installation of the refrigerant pipes between the 19" rack mounted indoor unit and the outdoor unit

Features

A completely prefabricated micro data centre with your choice of 24 standard models.

Vertiv™ VR rack-based durable IT cabinet available in a range of four sizes with 1000 kg of Dynamic load

Vertiv adaptive Vertiv™ VRC rack cooling system with 3.5kW cooling capacity and two heat rejections

Backup fan system controlled by cooling system independent sensors

Intelligent Vertiv™ Geist™ Rack PDU with sensors, switched on an outlet level

Vertiv™ Intelligence Director Monitoring software

Single-phase online double conversion 6 kVA Liebert® GXT5 UPS

3 years warranty for the complete system with product registration

Benefits

Planning effort is minimised All components are guaranteed to work seamlessly to meet your requirements. The system is ready to ship in days.

Adaptable to IT space requirements Choose the cabinet size you need to optimally support your IT equipment; the enclosed system enhances security and cooling efficiency.

Low operating costs due to efficient cooling The cooling system adapts its capacity to the IT heat, thus reducing energy costs. The heat remains inside or is removed through the building shell.

Increased availability through backup cooling Generate additional protection with emergency airflow provided during cooling outages, extending your time for a controlled shutdown or further ensuring IT equipment availability.

Higher reliability by monitoring and remote control Monitor and control your IT equipment on power outlet level for improved visibility, serviceability, reliability, and availability.

Reduced labour costs through monitoring optimisation Remote control and monitoring of all installed components, consolidated in one software and one IP address, reduces the workload of IT staff.

Power Continuity - Highest availability for your IT assets Application continuity is maintained during a utility power outage, as the UPS powers the cooling system and the IT assets, without interruption.

Reduction of maintenance costs Protect your entire system for complete peace of mind.

What's In The Box?

Factory integrated micro data centre with:

- Vertiv™ VR Rack-based cabinet
- Vertiv™ VRC KIT split or self-contained
- IT cooling unit:
- Rack-mounted cooling unit offering 3.5kW of IT cooling capacity
- Integrated heat rejection system of your choice
- Condensate pump
- Vertiv™ Geist™ rPDU with sensors, switched and monitored on outlet level
- Vertiv™ Intelligence Director monitoring software
- Backup fan system connected to intelligent sensors and pre-programmed outlets
- Optional UPS Liebert® GXT5 6000VA
- Set of blanking panels: 10x 1RU

Technical Specifications

Vertiv™ VRC-S SKUs:	VRCS3350-230VU	VRCS3350-230V	VRCS3350-230VSU	VRCS3350-230VS	VRCS3350-230VSLU	VRCS3350-230VSL
Cabinet size	Height 2000 mm, Width 800 mm, Depth 1200mm, Total Rack Space 42 U					
Usable rack space [U]	27	32	31	36	31	36
Input Voltage and Connection	230 V / 1Ph / 50 Hz; IEC60309 2P+E, 32 A, 250 V Splashproof IP44; 2,5 m cable (outlet at the bottom)					
Cooling Unit	VRC self-contained		VRC Split (-15°C minimum ambient temp.)		VRC Split (-34°C minimum ambient temp.)	
Model Number	VRC102KIT		VRC202KIT-N		VRC202KIT-L	
Cooling Capacity*	3,5kW		3,8kW		3,4kW	
Average sound pressure**	57,8 dB (A) @ 1 m		52,0 dB (A) @ 1 m			
UPS	GXT5 6kVA	no	GXT5 6kVA	no	GXT5 6kVA	no
UPS Model Number	GXT5-6000IRT5UXLE		GXT5-6000IRT5UXLE		GXT5-6000IRT5UXLE	
PDU Model Number	GU30017L***	GU30017L	GU30017L***	GU30017L	GU30017L***	GU30017L
Communication protocols	DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+					
Certificated	CE, RoHS, REACH					

Vertiv™ VRC-S SKUs:	VRCS3307-230VU	VRCS3307-230V	VRCS3307-230VSU	VRCS3307-230VS	VRCS3307-230VSLU	VRCS3307-230VSL
Cabinet size	Height 2265 mm, Width 600 mm, Depth 1200mm, Total Rack Space 48 U					
Usable rack space [U]	33	38	37	42	37	42
Input Voltage and Connection	230 V / 1Ph / 50 Hz; IEC60309 2P+E, 32 A, 250 V Splashproof IP44; 2,5 m cable (outlet at the bottom)					
Cooling Unit	VRC self-contained		VRC Split (-15°C minimum ambient temp.)		VRC Split (-34°C minimum ambient temp.)	
Model Number	VRC102KIT		VRC202KIT-N		VRC202KIT-L	
Cooling Capacity*	3,5kW		3,8kW		3,4kW	
Average sound pressure**	57,8 dB (A) @ 1 m		52,0 dB (A) @ 1 m			
UPS	GXT5 6kVA	no	GXT5 6kVA	no	GXT5 6kVA	no
UPS Model Number	GXT5-6000IRT5UXLE		GXT5-6000IRT5UXLE		GXT5-6000IRT5UXLE	
PDU Model Number	GU30017L***	GU30017L	GU30017L***	GU30017L	GU30017L***	GU30017L
Communication protocols	DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+					
Certificated	CE, RoHS, REACH					

Vertiv™ VRC-S SKUs:	VRCS3357-230VU	VRCS3357-230V	VRCS3357-230VSU	VRCS3357-230VS	VRCS3357-230VSLU	VRCS3357-230VSL
Cabinet size	Height 2265 mm, Width 800 mm, Depth 1200mm, Total Rack Space 48 U					
Usable rack space [U]	33	38	37	42	37	42
Input Voltage and Connection	230 V / 1Ph / 50 Hz; IEC60309 2P+E, 32 A, 250 V Splashproof IP44; 2,5 m cable (outlet at the bottom)					
Cooling Unit	VRC self-contained		VRC Split (-15°C minimum ambient temp.)		VRC Split (-34°C minimum ambient temp.)	
Model Number	VRC102KIT		VRC202KIT-N		VRC202KIT-L	
Cooling Capacity*	3,5kW		3,8kW		3,4kW	
Average sound pressure**	57,8 dB (A) @ 1 m		52,0 dB (A) @ 1 m			
UPS	GXT5 6kVA	no	GXT5 6kVA	no	GXT5 6kVA	no
UPS Model Number	GXT5-6000IRT5UXLE		GXT5-6000IRT5UXLE		GXT5-6000IRT5UXLE	
PDU Model Number	GU30017L***	GU30017L	GU30017L***	GU30017L	GU30017L***	GU30017L
Communication protocols	DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+					
Certificated	CE, RoHS, REACH					

* Air Temperature to IT equipment 21°C, Outdoor air temperature 35°C

** Constant 100% heat load

*** Hard hardwired connection between UPS and PDU

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