

Vertiv™ CoolPhase Ceiling

Thermal management solution for small IT rooms



Benefits

- **Lower operating costs**
inverter-driven compressors match real-time load thereby saving energy
- **Small Footprint,**
ceiling-mounted design saves valuable floor space
- **Intelligent Vertiv controls & remote monitoring** for setting and viewing system status
- **Teamwork connection between multiple units** for built-in redundancy and extended product life
- **Installation options** provide for greater deployment flexibility

The Vertiv™ CoolPhase Ceiling is a highly efficient ceiling-mounted cooling unit designed for server rooms and edge computing applications, offering capacities up to 28 kW.

Efficient IT cooling

Vertiv™ CoolPhase Ceiling provides dedicated cooling for IT equipment without taking up valuable floor space. This ceiling-mounted precision cooling unit is designed specifically for edge computing and small IT spaces, offering high efficiency cooling with capacities ranging from 3.5 kW to 28 kW. Systems can be configured with options like humidification and reheat to match exact application needs.

It is designed to run 24/7/365, providing reliable temperature control even in extreme conditions, unlike typical comfort air conditioning systems. It meets the constant cooling demands of IT equipment, reducing the risk of overheating and equipment failure. Remote monitoring features allow personnel to oversee system performance and quickly address any issues, providing a stable environment for critical equipment.



Vertiv™ CoolPhase Ceiling

Available in various sizes and capacities

- Configurable models with options to add electric reheat, humidifier, smoke sensors, locking disconnects and additional options
- Single-panel access for faster service
- Intelligent Vertiv™ controls and remote monitoring optimize thermal conditions and improve system reliability



Vertiv™ CoolPhase Condensing Unit

- Outdoor heat rejection capability from -31°F to 118°F (-35°C to 48°C). Covering a wide range of working environments
- Low GWP Refrigerant (R-32) reduces environmental impact
- Variable speed compressors and variable speed fans improve energy efficiency and reduces operating costs
- Plenum-approved heat rejection for increased deployment flexibility

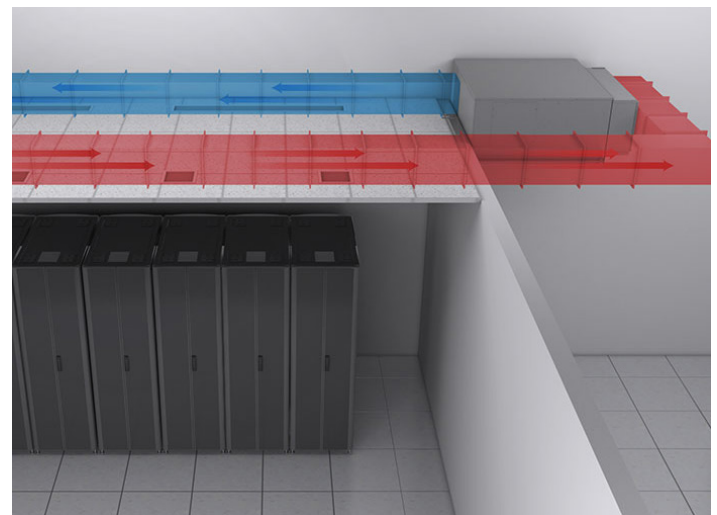
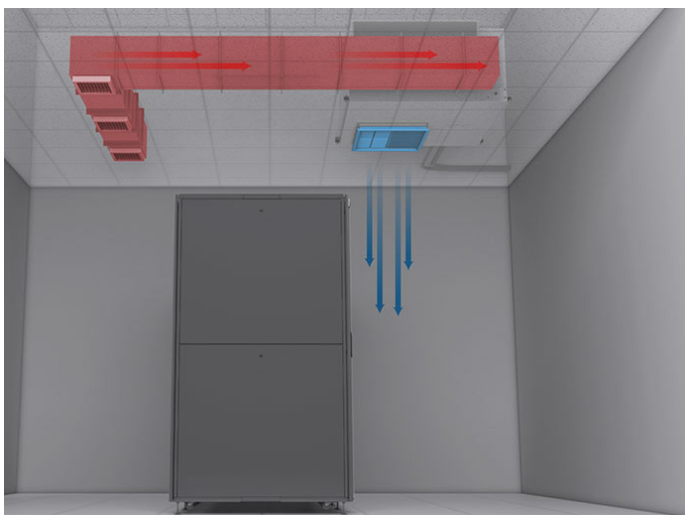


Technical specifications

Indoor units	MMI12	MMI24	MMI36	MMI48	MMI60	MMI96
Cooling capacity	1 ton 3.5 kW	2 ton 7 kW	3 ton 11 kW	4 ton 15 kW	5 ton 18 kW	8 ton 28 kW
Dimensions (H x W x D)	20.3in x 30in x 54in 515mm x 762mm x 1371mm	24.1in x 30in x 53.8in 612mm x 762mm x 1366mm	24.1in x 30in x 53.8in 612mm x 762mm x 1366mm	24.1in x 50.8in x 46.4in 612mm x 1290mm x 1178mm	24.1in x 50.8in x 46.4in 612mm x 1290mm x 1178mm	26.5in x 69.9in x 54.2in 673mm x 1775mm x 1376mm
Max airflow	816 CFM 1386 m3/h	1451 CFM 2465 m3/h	1533 CFM 2605 m3/h	2710 CFM 4604 m3/h	2746 CFM 4665 m3/h	3759 CFM 6387 m3/h
Power supply	208-230/1/60 UL		208-230/1/60 UL 208/230-3-60 460-3-60			
Refrigerant	R-32					
Controls	SNMP, Modbus, BACnet, Liebert iCOM					
Certifications	AHRI Standard 1360					
Configurable options	Humidifier Reheat Smoke sensor Locking disconnect					

Condensing units

Dimensions (H x W x D)	20.30in x 38.8in x 12.6in 515mm x 985mm x 320mm	20.30in x 44.4in x 16.5in 516mm x 1127mm x 419mm	22.86in x 51.3in x 20.5in 580mm x 1303mm x 520mm	42.2in x 45.9in x 18.9in 1072mm x 1165mm x 480mm	53.4in x 39.8in x 42.4in 1356mm x 1010mm x 1076mm	53.4in x 39.8in x 42.4in 1356mm x 1010mm x 1076mm
Heat rejection	Air cooled					
Outdoor operating temperature	-31° F to 126° F (-35° C to 52° C)					



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