

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

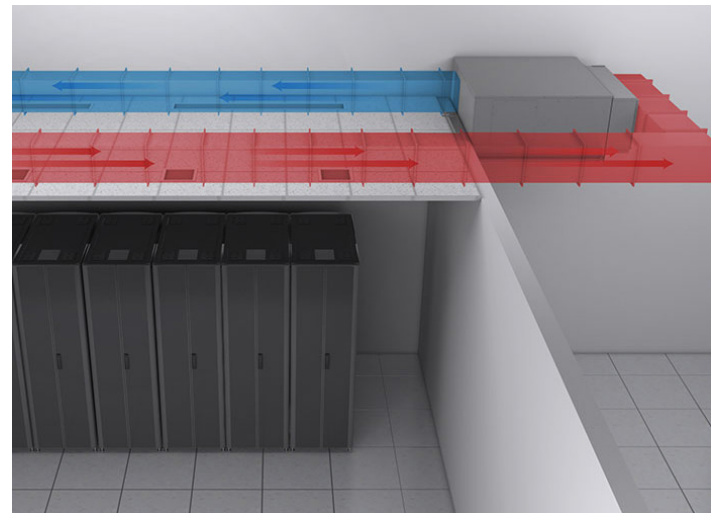
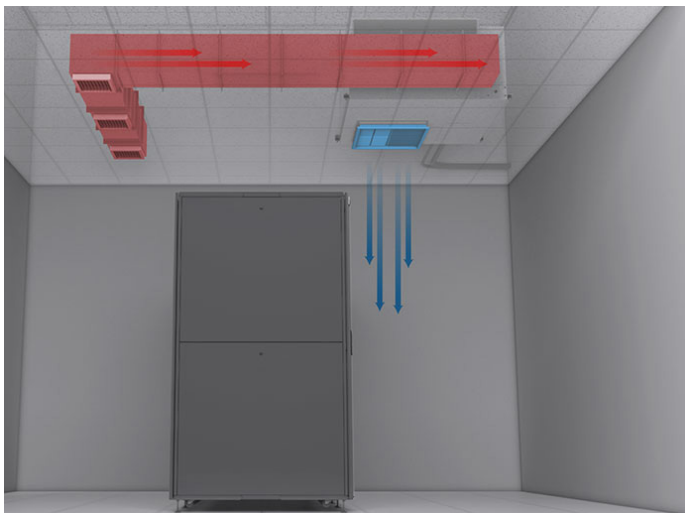


Technical specifications

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 (L x W x H)	58in x 30in x 20.3in 1474mm x 762mm x 515mm	58in x 30in x 24in 1474mm x 762mm x 611mm	58in x 30in x 24in 1474mm x 762mm x 611mm	51in x 46in x 24in 1290mm x 1178mm x 611mm	51in x 46in x 24in 1290mm x 1178mm x 611mm	70in x 54in x 27in 1775mm x 1377mm x 673mm
Max airflow	700 CFM 1190 m3/h	1400 CFM 2380 m3/h	2100 CFM 3570 m3\h	2800 CFM 4760 m3\h	3800 CFM 3460 m3/h	5600 CFM 9510 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 (L x W x H)	20.30in x 15.06in x 38.92in 516mm x 319mm x 985mm	20.30in x 18.99in x 45.91in 516mm x 419mm x 1128mm	22.86in x 23.51in x 51.46in 580mm x 520mm x 1303mm	46in x 17in x 42in 1166mm x 424mm x 1072mm	51in x 46in x 24in 1090mm x 1056mm x 1355mm	70in x 54in x 27in 1090mm x 1056mm x 1355mm
Heat rejection	Air cooled					
Outdoor operating temperature	-31° F to 126° F (-35° C to 52° C)					



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