

Ceiling Cooling

STULZ CeilAir®

STULZ

CLIMATE. CUSTOMIZED.

STULZ CeilAir is the ultimate space saver, providing precise temperature and humidity control while freeing up valuable floor space for rack systems.



		STULZ CeilAir (OHS)
		CW & DX
Capacity	kW (MBH)	3.5 - 35 (12 - 120)
	Tons	1 - 10
Airflow	m ³ /h	850 - 7,475
	CFM	500 - 4,400

Benefits

STULZ CeilAir is the most complete line of ceiling mounted air conditioners in the industry and comes in both chilled water (CW) and direct expansion (DX).

- State-of-the-art E^2 Microprocessor with BMS a range of interface options
- Split, Self-Contained, Ducted and Ductless Spot Cooling Systems
- DX systems with independently circuited, high efficiency, high reliability, and low noise scroll compressors
- High static blowers are available for ducted systems
- Condensate pumps can be factory or field installation (in some models)
- Smaller capacity models easily mounted in standard ceiling
- Fully accessible in place through easily removable side access panels
- Available with low profile for limited installation height
- Aluminum cabinet construction for corrosion resistance and low weight
- Matching heat rejection for DX (standard and high ambient temperatures)

Technical data

STULZ CeilAir® Ceiling Mounted Precision Cooling

Nominal Performance Data

Net Cooling Capacity - BTU/H @ EAT = 80°FDB/67°FWB, 50% RH (26°CDB/19°CWB, 50% RH)

Air Cooled DX											
"OHS" Single Compressor Systems								"OHS" Dual Compressor Systems			
Model	012-A-()	018-A-()	024-A-()	032-A-()	040-A-()	048-A-()	060-A-()	048-DA	072-DA	084-DA	120-DA
Total kW (MBH)	4.1 (14)	5.7 (19.5)	7.5 (25.7)	9.6 (32.8)	10.5 (35.8)	17.6 (60)	19.3 (66)	15.8 (53.7)	21.7 (73.9)	27.0 (92.1)	38.2 (130.4)
Sensible kW (MBH)	3.1 (10.6)	4.5 (15.2)	5.7 (19.5)	6.9 (23.4)	8.2 (28)	14.0 (47.7)	15.4 (52.4)	12.0 (40.9)	18.2 (62.1)	20.8 (71.1)	28.7 (98)

Water Cooled DX											
"OHS" Single Compressor Systems								"OHS" Dual Compressor Systems			
Model	012-W	018-W	024-W	032-W	040-W	048-W	060-W	048-DW	072-DW	084-DW	120-DW
Total kW (MBH)	4.8 (16.4)	6.2 (21.1)	8.2 (28)	10.4 (35.6)	11.5 (39.1)	18.8 (64.3)	20.7 (70.7)	16.8 (57.2)	23.2 (79.2)	28.9 (98.8)	40.8 (139.2)
Sensible kW (MBH)	3.4 (11.7)	4.7 (16)	6.0 (20.5)	7.2 (24.6)	8.6 (29.5)	14.4 (49.2)	15.9 (54.1)	12.4 (42.3)	18.7 (63.8)	21.6 (73.7)	29.8 (101.7)

Glycol Cooled DX											
"OHS" Single Compressor Systems								"OHS" Dual Compressor Systems			
Model	012-G	018-G	024-G	032-C	040-G	048-G	060-G	048-DG	072-DG	084-DG	120-DG
Total kW (MBH)	3.9 (13.4)	5.6 (19)	7.4 (25.1)	9.4 (32)	10.2 (34.9)	16.7 (57.2)	18.4 (62.7)	15.0 (51.3)	20.6 (70.2)	25.6 (87.4)	36.3 (124)
Sensible kW (MBH)	3.1 (10.4)	4.4 (15.1)	5.6 (19.2)	6.8 (23.1)	8.1 (27.5)	13.6 (46.6)	15.0 (51.1)	11.6 (39.7)	17.9 (61)	20.4 (69.5)	27.9 (95.3)

Chilled Water System											
"OHS" Chilled Water Systems (Net Cooling Capacity - BTU/H @ 45°F / 7°C EWT)											
Model	012-C	018-C	024-C	032-C	040-C	048-C	060-C	072-C	084-C	120-C	
Total kW (MBH)	6.7 (23)	9.1 (31.1)	10.4 (35.4)	12.0 (40.8)	15.2 (52)	24.6 (83.8)	26.7 (91.1)	39.3 (134.1)	42.3 (144.4)	48.9 (166.9)	
Sensible kW (MBH)	4.5 (15.3)	6.3 (21.4)	7.3 (24.8)	8.4 (28.7)	11.0 (37.7)	17.4 (59.3)	19.1 (65.3)	26.6 (90.8)	28.9 (98.7)	34.5 (117.9)	

Complete Temperature and Humidity Control

- Wide Range of Functions and Alarms

Complete Temperature and Humidity Control

- Optional Steam Canister Humidification
- Optional Dehumidification Mode with
 - Electric Reheat/Heat
 - Hot Gas Reheat
 - Hot Water or Steam Reheat/Heat
 - SCR Fired Electric Reheat/Heat

Capacity Modulating Options

- Single and Dual Compressor Configurations
- Hot Gas Bypass

Other Available Options

- Condensate Pumps
- Water Leak Detectors
- Firestats
- Smoke Detectors
- High Efficiency Filtration (2" & 4" Filters up to 95% efficiency)
- High Pressure DX - Water/Glycol Cooled Condenser Regulating Valves
- Free Cooling
- Alternate Water Source
- Drycoolers & Pump Packages
- High ambient heat rejection
- Various voltages available in 50 & 60 Hz designs
- Microchannel coil options available
- Remote display and controls

Designed & Manufactured at STULZ USA

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