

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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