

# Computer Room Air Handling (CRAH) & Air Conditioning (CRAC)



Chilled Water and Direct Expansion Ceiling Mounted

The climate inside your computer rooms is critical to your mission. Trane taps the hidden potential of buildings to become more sustainable, reliable, cost efficient and future proof. We're transforming data centers around the world with unmatched expertise and innovative digital solutions.

This portfolio, along with extensive precision cooling experience, allows Trane the flexibility to successfully meet the needs of your mission critical application.

- State-of-the-art Microprocessor Controller with a range of Building Management System 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)

## Complete Temperature and Humidity Control

- Wide Range of Functions and Alarms
- 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



**Split Systems**



**Ducted Systems**



**Spot Coolers**

## 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

## Technical Data

Ceiling Mounted Precision Cooling											
Net Cooling Capacity - kW (MBH)											
80°FDB/67°FWB, 50% RH (26°CDB/19°CWB, 50% RH)											
Air Cooled DX											
"OHS" Single Compressor Systems								"OHS" Dual Compressor Systems			
Model: TR-OHS	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: TR-OHS	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: TR-OHS	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: TR-OHS	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)	

Visit [trane.com/precisioncooling](http://trane.com/precisioncooling) or [trane.com/datacenters](http://trane.com/datacenters) to learn more.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit [trane.com](http://trane.com) or [tranetechnologies.com](http://tranetechnologies.com).