

## DX/Chilled Water Ceiling Cassettes

VRF ALTERNATIVE PRODUCT FOR SPOT HEATING AND COOLING



### PRODUCT SPECIFICATIONS

- DX Cooling: 18, 24, 30, 36 and 42 Nominal MBH
- Heat Pump: 18, 24, 30, 36 and 42 Nominal MBH
- Chilled Water Cooling: 8, 12, 18, 20, 33 and 36 Nominal MBH
- Thermostatic control operations to vary conditions for diverse requirements and activities
- Low blower speeds, rigid panel and cabinet construction, and sound-absorbant insulation reduces noise to a minimum
- Zoned control flexibility, which greatly reduces energy costs
- Units fit easily into new or existing buildings
- Branch duct knock-outs built-in to connect to remote outlets
- Fresh air knock-outs for ducted outside air connections
- Built-in condensate pump to transport all moisture to local drain
- Up to MERV-10 filtration

## DX/CHILLED WATER CEILING CASSETTES

Designed to effectively create independently-controlled temperature zones, cassettes are ideal for classrooms, offices, laboratories, conference rooms or any environment where space is at a premium and low noise is essential.

This versatility eliminates compromising architecture or design, and cost savings are often realized during building updates, as existing piping and/or wiring can frequently be reused.

Available with Modine Controls System to maximize efficiency and operation. Compatible with BACnet Building Management Systems.



### CHILLED WATER COOLING MODELS

MODEL NO.	Filter	Total Cooling (Btu/hr) <sup>1</sup>	Hot Water Heat (Btu/hr) <sup>2</sup>	Electric Heat (kW)	Dimensions - H x W x D (inches)		Weight (lbs)
					Chassis	Fascia	
CCW 08	STD.	7,800	17,100	1.5	10 1/16 x 22 1/2 x 22 1/2	2 5/8 x 25 3/16 x 25 3/16	45
	MERV 10	5,400	13,400				
CCW 12	STD.	11,200	N/A	1.5	10 1/16 x 22 1/2 x 22 1/2	2 5/8 x 25 3/16 x 25 3/16	45
	MERV 10	6,800	N/A				
CCW 18	STD.	18,200	27,300	3.0	9 1/2 x 32 5/16 x 32 3/8	2 5/8 x 37 x 37	82
	MERV 10	16,500	24,800				
CCW 20	STD.	18,600	27,900	3.0	9 1/2 x 32 5/16 x 32 3/8	2 5/8 x 37 x 37	82
	MERV 10	16,500	24,800				
CCW 33	STD.	31,100	41,200	5.0	11 1/2 x 44 x 7/16 x 32 3/8	2 5/8 x 49 3/16 x 37	118
	MERV 10	29,700	42,300				
CCW 36	STD.	34,300	45,200	5.0	11 1/2 x 44 x 7/16 x 32 3/8	2 5/8 x 49 3/16 x 37	118
	MERV 10	29,700	42,300				

1. Nominal chilled water cooling capacity based on air 80/67°F DB/WB, 45°F inlet / 55°F outlet water temperatures, high fan speed.

2. Nominal hot water heating capacity based on air 70°F, 180°F inlet / 160°F outlet water temperatures, high fan speed.

### DIRECT EXPANSION (DX) AIR CONDITIONING AND HEAT PUMP MODELS

MODEL NO.	Total Cooling (Btu/hr) <sup>1</sup>	Heat Pump (Btu/hr) <sup>2</sup>	SEER	HSPF	Hot Water Heat (Btu/hr) <sup>2</sup>	Electric Heat (kW)	Dimensions - H x W x D (inches)		Weight (lbs)
							Chassis	Fascia	
CSD/CSH 18	19,200	16,400	14	8.2	38,746	1.5	11 5/8 x 32 5/16 x 32 3/8	2 5/8 x 37 x 37	84
CSD/CSH 24	23,000	21,400	14	8.2	41,993	1.5	11 5/8 x 32 5/16 x 32 3/8	2 5/8 x 37 x 37	84
CSD/CSH 30	31,400	27,400	14	8.2	56,603	3.0	11 1/2 x 44 7/16 x 32 3/8	2 5/8 x 49 3/16 x 37	118
CSD/CSH 36	38,200	32,400	14	8.2	59,600	3.0	11 1/2 x 44 7/16 x 32 3/8	2 5/8 x 49 3/16 x 37	118
CSD/CSH 42	42,500	37,200	14	8.2	64,268	5.0	11 1/2 x 44 7/16 x 32 3/8	2 5/8 x 49 3/16 x 37	118

1. Cooling capacities based on 80/67°F DB/WB indoor, 95/75°F DB/WB outdoor ambient, high fan speed.

2. Heating capacities based on 70/60°F DB/WB indoor, 47/43°F DB/WB outdoor ambient, high fan speed.

3. Nominal hot water heating capacity based on air 70°F, 180°F inlet / 160°F outlet water temperatures, high fan speed.



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