

Brief Description**Application**

All CCS Series central chilling stations have an **operating leaving water temperature range of 30°F to 65°F (-1°C to 18°C)**, have two independent refrigeration circuits, and come standard with:

- High-efficiency screw compressors
- Allen Bradley PLC with interface
- Stainless steel brazed plate evaporator (60 – 75)
- Shell and tube evaporators (90 – 195)
- Cleanable shell and tube condenser(s)
- NEMA 12 electrical enclosure
- High and low refrigerant pressure safeties
- Branch circuit fusing
- EER BTUH/W of 15.7
- Electronic expansion valves
- HFC-134a refrigerant
- Digital low temperature freezestat
- Liquid line solenoid and shut-off valves
- Chilled water flow switches
- Evaporator water piping manifold (Condenser manifold optional)
- 1 year warranty on parts and labor
- 3 year warranty on controller



Options

- 4 year additional compressor warranty
- Advanced control package includes advanced Allen Bradley PLC with color touch screen, control of up to 2 additional circuits, cooling tower system, water treatment system, and communication capabilities
- General fault audible/visual alarm with elevated light stack
- Non-fused disconnect
- Special voltages: 208-230/3/60, 575/3/60, 380/3/50, or 415/3/50 (Derate capacity for 50 Hz models by multiplying by 0.83)
- Condenser manifold
- IEG-1 inhibited ethylene glycol; 55 gallons
- On-site labor for start-up.

Specifications

Model	CCS-60W	CCS-75W	CCS-90W	CCS-100W	CCS-115W	CCS-145W	CCS-165W	CCS-195W	
Cooling Capacity (tons) @ 50°F LWT	60.4	74.9	88.8	102.2	116.3	146.0	166.3	193.1	
Capacity stages (qty.)	Infinite Unloading								
EER (BTUH/W)	15.2	15.1	15.7	15.5	15.5	16.2	15.9	16.2	
Nominal water flow (gpm)	Evaporator	145	180	213	245	279	350	463	
	Condensers	181	225	266	307	349	438	579	
Condenser connection (no manifold) Flange Conn. (in.)	2.5		3			4			
Evaporator manifold connection Victaulic (in.)	3		4			6			
Amp draw, nameplate (460/3/60 V)	Water-cooled	112	130	138	170	216	250	282	316
Dimensions (in.)	Height	85		74		77	91		
	Width	100		115		124	137		
	Depth	45		72			75		
Shipping weight (lbs)	3,266	3,512	4,336	4,982	5,298	8,844	9,376	9,580	
Max operating weight (lbs.)	3,468	3,754	4,594	5,246	5,584	9,428	10,102	10,364	

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