

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)
- Two remote condensers with 1.5 hp variable speed lead fan and fan cycling
- NEMA 12 electrical enclosure
- High and low refrigerant pressure safeties
- Branch circuit fusing
- EER BTUH/W of 10.0
- Electronic expansion valves
- HFC-134a refrigerant
- Digital low temperature freeze-stat
- 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
- UL Listed electrical subpanel
- 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-60R	CCS-75R	CCS-90R	CCS-100R	CCS-115R	CCS-145R	CCS-165R	CCS-195R	
Cooling Capacity (tons) @ 50°F LWT	53.8	67.1	79.1	91.2	104.1	130.5	148.4	174.0	
Capacity stages (qty.)	Infinite unloading								
EER (BTUH/W)	9.4	9.9	9.8	10	10.3	10.5	10.4	10.2	
Nominal water flow (gpm) Evaporator	129	161	190	219	250	313	356	418	
Evaporator manifold connection Victaulic (in.)	3		3		4	6			
No. of condenser fans per condenser	3	3	4	4	4	5	6	8	
Amp draw, nameplate (460/3/60 V)	Chiller	112	130	138	170	216	250	282	316
	Condensers (per condenser)	11	11	14	14	14	18	21	28
Dimensions (in.) of chiller	Height	75		74		77		81	
	Width	100		115		124		137	
	Depth	45		72		72		75	
Dimensions (in.) of each condenser	Height	50							
	Width	45.5						88	
	Depth	180		235		235	390	345	235
Shipping weight (lbs)	Chiller	2,574	2,676	3,456	3,532	4,156	7,528	7,554	7,698
	Condensers (each condenser)	1,190	1,210	1,580	1,620	1,760	2,380	2,480	3,230
Max operating weight (lbs.)	Chiller	2,600	2,710	3,498	3,580	4,212	7,788	7,814	8,016
	Condensers	1,215	1,240	1,650	1,660	1,800	2,435	2,540	3,300

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