

Brief Description**Application**

All CCC 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 scroll compressors
- Allen-Bradley PLC with interface
- Stainless steel brazed plate evaporator
- Cleanable shell and tube condenser(s)
- NEMA 12 electrical enclosure
- High and low refrigerant pressure safeties
- Touch-safe branch circuit fusing
- EER BTU/H/W of 15.2
- Two-way water regulating valve
- HCFC-22 refrigerant
- Digital low temperature freeze-stat
- Liquid line solenoid and shut-off valves
- Chilled water flows switches
- 1 year warranty on parts
- 3 year warranty on controller





Options

- 4 year additional compressor warranty
- Advanced control package includes Allen Bradley PLC with 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	CCC-30W	CCC-40W	CCC-50W	CCC-60W	CCC-70W	CCC-80W	CCC-90W	CCC-100W		
Cooling capacity @ 50°F LWT	32.4	41.4	50.2	64.8	73.1	81.4	90.3	99.2		
Capacity stages (qty.)	2				4					
EER (BTUH/W)	15.65	14.91	15.35	15.66	15.15	14.63	14.90	15.16		
Nominal water flow (gpm)	Evaporator	78	99	120	156	175	196	217	238	
	Condensers	97	124	151	194	219	244	271	298	
Condenser connection (no manifold) Flange Conn. (in.)	(2) 2	(2) 2	(2) 2	(2) 2 1/2	(2) 2 1/2	(2) 2 1/2	2 1/2 / 3	(2) 3		
Evaporator manifold connection Victaulic (in.)	3	3	3	3	3	3	4	4		
Amp draw, nameplate (460/3/60 V)	Water-cooled		56	70	88	111	124	138	156	174
Dimensions (in.)	Height	85			75					
	Width	66	94		94		115			
	Depth	45								
Shipping weight (lbs.)	1,520	1,900	2,120	2,700	3,000	3,300	3,580	3,880		
Max operating weight (lbs.)	1,610	2,010	2,260	2,870	3,200	3,520	3,830	4,160		

Brief Description**Application**

All CCC 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
- 3 year warranty on controller





Options

- 4 year additional compressor warranty
- Advanced control package includes Allen Bradley PLC with 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 @ 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	399	463
	Condensers	181	225	266	307	349	438	499	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

www.colortronicna.com

Corporate Headquarters:

Colortronic North America, Inc.
2900 S. 160th St.
New Berlin, WI 53151
PH: 262-641-8600
FX: 262-641-8653

colortronicweb@corpemail.com

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