

Compact-CWE

High Capacity Floor Mounted Chilled Water Systems



10 - 100 Tons

- Chilled Water Computer Room Air Handling Units
- **EC Fan Technology** 

- Flawless 3rd party Test Record
- Largest Capacity / Smallest Footprint in the Industry
- 2-year Standard Parts Warranty
- 100% Front Service Access
- Fan speed is continuously adjustable via a signal from the system controller without the use of VFD's
- Direct Drive - No belt abrasion/dust, maintenance free operation
- Less Vibration / Quiet Operation
- Optimized air distribution into raised floor to avoid hot spots
- Adjustable Air Volume
- Power Correction Included



Compact-CWE High Capacity Floor Mounted Chilled Water Systems

Downflow Model:	300-CWE	600-CWE	900-CWE	1200-CWE	1800-CWE	1900-CWE	2300-CWE	2300-CWE-EF	2300-CWE-EF-UF	2800-CWE	3600-CWE
NET COOLING CAPACITY - BTU/H @ 45°F EWT, 0% Glycol Solution (Includes motor heat @ std CFM & e.s.p. ratings)											
80°FDB/65°FWB, 45% RH											
Total	180,351	311,900	373,300	456,400	509,748	600,958	671,010	724,700	779,486	885,792	1,132,028
Sensible	151,258	277,500	311,100	360,684	435,728	488,208	523,902	588,600	548,530	700,954	906,906
GPM / (pd. Ft.)	37.9 / 29.3	65.6 / 43.6	77.8 / 38	94.4 / 34.8	105.6 / 29.1	125.6 / 51.7	139.6 / 32.8	148.2 / 36.3	160.8 / 40	184.2 / 44.6	235.6 / 39.5
75°FDB/61°FWB, 45% RH											
Total	118,417	226,500	286,600	356,138	390,510	476,224	539,832	582,400	606,296	711,364	908,362
Sensible	118,417	226,500	268,900	317,432	374,479	429,414	467,942	526,900	491,616	625,896	810,506
GPM / (pd. Ft.)	25.6 / 15.5	48.6 / 26	60.4 / 24.7	74.4 / 23.6	82.2 / 19.7	100.6 / 35.6	113.6 / 23.3	119.8 / 25.4	126.6 / 26.7	149.6 / 31.1	191.6 / 28
72°FDB/58.7°FWB, 45% RH											
Total	96,467	191,200	212,300	255,456	311,568	351,196	386,830	435,100	517,608	668,656	672,982
Sensible	96,467	191,200	212,300	255,456	311,568	351,196	386,830	435,100	453,476	606,116	672,982
GPM / (pd. Ft.)	21.3 / 11.9	41.4 / 20.2	45.8 / 16.1	54.2 / 15	67.2 / 14.6	75.8 / 22.7	82.8 / 14.5	90.2 / 16.5	108.8 / 21	141.2 / 28.2	144.6 / 17.9
Chilled Water Control Valve											
2-way (standard) - Modulating											
Size / (Cv)	1" / 14	2" / 20"	2" / 28	2" / 30	2" / 60	2" / 60	2" / 60	2" / 60	2" / 60	2" / 60	3" / 124
Valve Pressure Rating - psi	600	600	600	600	600	600	600	600	600	600	360
Chilled Water Coil - Aluminum Fin, Copper Tube											
Rows/Face Area (ft2)	6 / 15.1	4 / 31.2	5 / 31.2	6 / 39.6	4 / 50	5 / 50	6 / 52.6	6 / 52.6	53.3	6 / 70.1	6 / 82.8
Face Velocity, fpm	377	369	369	313	344	344	342	389	385	342	386
Evaporator Blower / Motor - Backward Curved Direct Driven EC											
Horsepower (Nominal)	4.1 hp	4.1 hp each	4.1 hp each	3.9 hp each	4.1 hp each	4.1 hp each	3.9 hp each	3.9 hp each	3.9 hp each	5.3 hp each	5.3 hp each
CFM @ ext. st. press.	5700 @ 0.3"	11,500 @ 0.3"	11,500 @ 0.3"	12,400 @ 0.3"	17,200 @ 0.3"	17,500 @ 0.3"	18,000 @ 0.3"	20,500 @ 0.3"	20,500 @ 0.3"	24,000 @ 0.3	32,000 @ 0.3
Quantity of Blowers	1	2	2	2	3	3	3	3	3	3	4
Drive Method	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
Dimensions: (H"xW"xD"), includes access panels, w/o Plenum Box Extension.											
CCD(-)-CWE (down-flow)	76.2 x 45.4 x 34.7	76.2 x 77.5 x 35.4	76.2 x 77.5 x 35.4	76.2 x 95 x 40.5	76.2 x 118 x 35.4	76.2 x 118 x 35.4	76.2 x 118 x 40.5	76.2 x 118 x 40.5	76.2 x 118 x 40.5	88 x 118 x 50	88 x 127.3 x 50

UPFLOW MODEL	300-CWE	600-CWE	900-CWE	1200-CWE	1800-CWE	1900-CWE	2300-CWE	2300-CWE-LF
NET COOLING CAPACITY - BTU/H @ 45°F EWT, 0% Glycol Solution (Includes motor heat @ std CFM & e.s.p. ratings)								
80°FDB/65°FWB, 45% RH								
Total	180,351	312,494	410,293	365,024	472,112	565,350	613,900	603,200
Sensible	151,258	275,467	327,279	281,360	409,018	453,436	481,300	470,600
GPM / (pd. Ft.)	37.9 / 29.3	66.2 / 62.9	85.7 / 58.1	46.4 / 25.1	99.8 / 26.6	118 / 46.5	126.2 / 27.7	146 / 35.4
75°FDB/61°FWB, 45% RH								
Total	118,417	226,014	324,015	285,782	360,172	449,428	496,900	486,200
Sensible	118,417	226,014	289,628	247,992	350,858	399,536	433,900	423,200
GPM / (pd. Ft.)	25.6 / 15.5	49.1 / 37.2	68.6 / 39.2	60.8 / 17.5	77.6 / 18.1	95.4 / 32.5	103 / 20.1	118.8 / 25.2
72°FDB/58.7°FWB, 45% RH								
Total	96,467	191,479	237,521	197,430	290,498	381,106	359,400	348,700
Sensible	96,467	191,479	237,521	197,430	290,498	361,282	359,400	348,700
GPM / (pd. Ft.)	21.3 / 11.9	42.3 / 28.9	51.5 / 24.3	43.2 / 10.8	63.8 / 13.7	81.6 / 25.4	75.4 / 12.8	89.6 / 16.4
Chilled Water Control Valve								
2-way (standard) - Modulating								
Size / (Cv)	1" / 14	2" / 20	2" / 28	2" / 30	2" / 60	2" / 60	2" / 60	2" / 60
Valve Pressure Rating - psi	600	600	600	600	600	600	600	600
Chilled Water Coil - Aluminum Fin, Copper Tube								
Rows/Face Area (ft2)	6 / 15.1	4 / 27.6	6 / 27.6	6 / 39.0	4 / 50	5 / 50	6 / 50	6 / 50
Face Velocity, fpm	377	416	416	243	330	320	328	360
Evaporator Blower / Motor - Backward Curved Direct Driven EC								
Horsepower (Nominal)	4.1 hp	4.1 hp	4.1 hp	3.9 hp each	3.9 hp	3.9 hp	3.9 hp	5.3 hp
CFM @ ext. st. press.	5700 @ 0.3"	11,500 @ 0.3"	11,500 @ 0.3"	9480 @ 0.3"	16500 @ 0.3"	16000 @ 0.3"	16,400 @ 0.3"	18,000 @ 0.3"
Quantity of Blowers	1	2	2	2	3	3	3	3
Drive Method	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
Dimensions: (H"xW"xD"), includes access panels, w/o Plenum Box Extension								
CCD(-)-CWE (down-flow)	76.2 x 45.4 x 34.7	76.2 x 77.5 x 34.7	76.2 x 77.5 x 34.7	76.2 x 95 x 40.5	76.2 x 118 x 35.4	76.2 x 118 x 35.4	76.2 x 118 x 40.5	76.2 x 118 x 40.5



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QC-CWE0008, REV-K

Specifications subject to change without notice