

Compact CWE

High Capacity Floor Mounted Chilled Water Systems



10 - 70 Tons

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



Stulz-ATS introduced EC Fan Technology to the North American Computer Room Air Conditioner. This technology is standard in our Compact-CWE line and as an option on our high capacity, floor mounted DX CRAC units (VFS-()-()-EC).

With thousands of installations in the largest data centers in the U.S., Stulz-ATS has the experience to apply EC Fan Technology and provide an immediate energy savings of up to 30% compared to conventional fan technology with on/off control.

- 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

The **greener way of cooling your datacenter.**



Compact CWE

High Capacity Floor Mounted Chilled Water Systems

DOWNFLOW MODEL	300-CWE	600-CWE	900-CWE	1200-CWE	1800-CWE	2300-CWE*	2300-CWE-XL*	2800-CWE*
NET COOLING CAPACITY - BTU/H @ 45°F EWT, 0% Glycol Solution (Includes motor heat @ std CFM & e.s.p. ratings)								
80°FDB/67°FWB, 50% RH								
Total	192,502	335,200	398,100	488,900	548,136	718,732	770,200	943,148
Sensible	141,161	259,700	292,400	339,952	409,335	494,020	549,800	657,644
GPM / (pd. Ft.)	40.3 / 32.6	70.2 / 49.2	82.8 / 42.3	101 / 38.9	113 / 32.5	148.8 / 36.5	157.2 / 40.2	196 / 50.7
75°FDB/61°FWB, 45% RH								
Total	118,417	226,500	286,600	356,138	390,510	539,832	582,400	711,364
Sensible	118,417	226,500	268,900	317,432	374,479	467,942	526,900	625,896
GPM / (pd. Ft.)	25.6 / 15.5	48.6 / 26	60.4 / 24.7	74.4 / 23.6	82.2 / 19.7	113.6 / 23.3	119.8 / 25.4	149.6 / 31.1
72°FDB/58.7°FWB, 45% RH								
Total	96,467	191,200	212,300	255,456	311,568	386,830	435,100	668,656
Sensible	96,467	191,200	212,300	255,456	311,568	386,830	435,100	606,116
GPM / (pd. Ft.)	21.3 / 11.9	41.4 / 20.2	45.8 / 16.1	54.2 / 15	67.2 / 14.6	82.8 / 14.5	90.2 / 16.5	141.2 / 28.2
Chilled Water Control Valve - Sized for Medium Flow @ 75°FDB/62.5°FWB EAT Conditions								
Size / (Cv)	1" / 14	1 1/4" / 20	1 1/2" / 28	2" / 30	2" / 60	2" / 60	2" / 60	2" / 60
Standard Control Valve (psi)	600	600	600	600	600	600	600	600
Chilled Water Coil - Aluminum Fin, Copper Tube								
Rows/Face Area (ft2)	6 / 15.1	5 / 31.2	4 / 31.2	6 / 39.6	4 / 50	6 / 52.6	6 / 52.6	6 / 70.1
Face Velocity, fpm	377	369	369	313	344	342	389	342
EC Fan (contact factory for information on optional Centrifugal fan)								
Horsepower (Nominal)	4.1 hp	4.1 hp	4.1 hp	3.9 hp each	4.1 hp each	3.9 hp each	3.9 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"	18,000 @ 0.3"	20,500 @ 0.3"	24,000 @ 0.3"
Quantity of Blowers	1	2	2	2	3	3	3	3
Drive Method	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct

UPFLOW MODEL	300-CWE	600-CWE	900-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/67°FWB, 50% RH								
Total	192,502	334,669	436,813	658,600	737,500			
Sensible	141,161	258,592	306,627	453,300	518,800			
GPM / (pd. Ft.)	40.3 / 32.6	70.9 / 71.1	91.2 / 65.1	134.8 / 31	154.8 / 39.1			
75°FDB/61°FWB, 45% RH								
Total	118,417	226,014	324,015	496,900	555,800			
Sensible	118,417	226,014	289,628	433,900	500,000			
GPM / (pd. Ft.)	25.6 / 15.5	49.1 / 37.2	68.6 / 39.2	103 / 20.1	118.8 / 25.2			
72°FDB/58.7°FWB, 45% RH								
Total	96,467	191,479	237,521	359,400	411,400			
Sensible	96,467	191,479	237,521	359,400	411,400			
GPM / (pd. Ft.)	21.3 / 11.9	42.3 / 28.9	51.5 / 24.3	75.4 / 12.8	89.6 / 16.4			
Chilled Water Control Valve - Sized for Medium Flow @ 75°FDB/62.5°FWB EAT Conditions								
Size / (Cv)	1" / 14	1 1/4" / 20	1 1/2" / 28	2" / 60	2" / 60			
Standard Control Valve (psi)	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 / 50	6 / 50			
Face Velocity, fpm	377	416	416	328	360			
EC Fan (contact factory for information on optional Centrifugal fan)								
Horsepower (Nominal)	4.1 hp	4.1 hp	4.1 hp	3.9 hp	5.3 hp			
CFM @ ext. st. press.	5700 @ 0.3"	11,500 @ 0.3"	11,500 @ 0.3"	16,400 @ 0.3"	18,000 @ 0.3"			
Quantity of Blowers	1	2	2	3	3			
Drive Method	Direct	Direct	Direct	Direct	Direct			

The **greener** way of cooling your datacenter.



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