

Compact-Line™ CW

Vertical Floor Mounted Precision Air Conditioners

From 10 to 30 Tons

• Chilled Water



- Computer Rooms
- LAN Rooms
- Telecom Rooms
- Switching Rooms
- Colocation Centers
- Web Hosting
- CAT Scan/MRI Rooms
- Laboratories

*7 x 24 Mission Critical Operation
Compact Foot Print
Front Service Access*

Total Environmental Control

Temperature • Humidity • Air Filtration

The Natural Alternative

SATS



CyberAIR™

Vertical Floor Mounted Precision Air Conditioners

Compact-Line™ CW



Large Capacity - From 10 - 30 tons

- From 10 to 30 tons in three incremental sizes
- Up-Flow & Down-Flow Air Patterns
- Compact Foot Print
- 100% Front Accessible - \$aves up to 18 ft² of floor space
- 2 or 3-way Control Valve
- Large Area High Capacity Cooling Coil
- High Eff. Return Air Filtration
- Microprocessor Control
- Main Power Disconnect Switch
- *Many user friendly options including BMS data communication capability, and Ultrasonic Humidification.*

Nominal Performance Data

(COOLING CAPACITY - BTU/H @ EWT @ 45°F - 75°FDB/62.5°FWB, 50% RH)

Model	CCD-300-CW	CCD-600-CW	CCD-900-CW
Total	147,500	222,400	330,500
Sensible	128,900	195,800	283,500
GPM / (psi)	29.5/(3.2)	44.5/(4.1)	66.0/(3.3)
<small>*performance data for downflow configurations, please consult catalog for upflow performance data</small>			
Chilled Water Control Valve			
3-Way (Standard) - 400 psig Modulating			
Size / Cv	1" / 14 Cv	1-1/4" / 20 Cv	1-1/2" / 28 Cv
Chilled Water Coil - Aluminum Fin, Copper tube			
Rows / Face Area (ft ²)	4 / 19.0	3 / 35.5	5 / 35.5
Face Velocity, fpm	326	298	333
Evaporator Blower / Motor			
Horsepower (Qty)	5 (1)	7.5 (1)	7.5 (1)
CFM @ ext. st. press.	6,200 @ 0.3"	10,600 @ 0.3"	11,800 @ 0.3"
Drive Method	Belt	Belt	Belt
Qty of Blowers	1	2	2
Blower RPM	1,010	876	985
Reheat / Heat			
Electric Reheat / Heat			
Nominal Kw (Stages)	12 (2)	24 (2)	24 (2)
Tot. BTU/H w/ Motor Heat	53,670	100,980	100,980
Humidification - Electrode Steam Canister Humidifier with Adjustable Output (Standard)			
Lbs/Hr. (Kw input)	4-15, (5.1)	4-15, (5.1)	4-15, (5.1)
Std Control	Cycling	Cycling	Cycling
Filters - 2" deep, 30% Dust Spot Efficient			
Up-flow Front Free Return			
Nominal Size (in.) (Qty per unit)	14x25 (3)	18x25 (4)	18x25 (4)
Down-flow Top Return			
Nominal Size (in.) (Qty per unit)	20x25 (2)	18x25(4)	18x25(4)
Connection Sizes			
Condensate Drain, (w/ pump)	7/8" OD (1/2" OD)	7/8" OD (1/2" OD)	7/8" OD (1/2" OD)
Humidifier Inlet	1/4" OD	1/4" OD	1/4" OD
Water In/Out	1" NPT	1 5/8" NPT	1 5/8" NPT
Physical Data			
Approximate Weight			
Downflow	705 lbs.	990 lbs.	1080 lbs.
Upflow	740 lbs.	1,140 lbs	1,150 lbs
Dimensions (H"xW"xD"), includes access panels, w/o plenum box option			
Downflow and Upflow	75.5"x46.2"x35.4"	75.5"x77.6"x35.4"	75.5"x77.6"x35.4"