



STULZ the natural choice

Compact CW

Precision Air Conditioning Units for Chilled Water Operation





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Precision Air Conditioning Systems Designed for Maximum Reliability

A company's investment and reliance on sensitive electronic equipment is considerable. To protect this investment STULZ has built an international reputation for reliable quality products through the experience gained from thousands of installations in computer centres and telecommunications' operations throughout the world. Due care is taken to design systems that operate with the correct ratio of sensible to latent cooling. Components are selected for their reliability as well as stand-by features to ensure that the customer has maximum availability of the system, 24 hours a day, 365 days a year. When a central chilled water system is the appropriate method of air conditioning the space, Compact CW precision air conditioning units will provide an ideal and economic solution to maximize the efficiency of the central chilling plant.

Compact CW equipment features:

- » Small foot print
- » Downflow or upflow configurations
- » Front service access only
- » Large area high capacity cooling coil
- » Automatic 3-way mixing control valve
- » Return air filtration to EU 4
- » Electrode boiler steam humidifier
- » Stainless steel frame electric reheat
- » Microprocessor control-alarm/monitoring systems
- » Main power disconnect switch

Plus a comprehensive range of options and additional accessories to enhance the standard design.

**Compact CW 110 and 200,
Cooling capacity up to 26 kW**



**Compact CW 300 to 900,
Cooling capacity up to 103 kW**

Electronic data processing and information systems as used in telecommunications, medicine, manufacturing automation, or measuring systems place high requirements on the environmental conditions. In this high-tech world STULZ precision air conditioning systems provide dependable trouble-free and economical operation.



Model		CCD/U 110 CW	CCD/U 200 CW	CCD 300 CW	CCD 600 CW	CCD 900 CW	CCU 300 CW	CCU 600 CW	CCU 900 CW	
Technical Data:										
Cooling capacity (24 °C/50 % R.H.)¹⁾										
Total	kW	11.7	28.1	52.8	78.0	117.5	50.9	60.9	109.1	
Sensible	kW	11.2	24.0	44.3	65.9	95.9	42.9	55.6	92.0	
Cooling capacity (22 °C/50 % R.H.)¹⁾										
Total	kW	8.8	19.5	32.2	49.4	72.6	32.0	42.1	70.8	
Sensible	kW	8.8	19.5	32.1	48.4	70.8	31.2	42.1	67.7	
Fan²⁾										
Fan drive		direct	belt	belt	belt	belt	belt	belt	belt	
Number of fans		1	1	1	2	2	1	2	2	
Air volume	m ³ /h	3,200	7,000	10,500	18,000	20,000	10,500	18,000	20,000	
External static pressure ³⁾	Pa	40/50	70	70	70	70	70	70	70	
Fan motor power	kW	0.55	2.20	3.0	4.0	5.5	3.0	5.5	5.5	
Chilled water coil										
Coil surface area	m ²	0.30	0.75	1.77	3.24	3.24	1.42	2.56	2.56	
Number of rows	n	4	4	4	3	5	5	3	6	
Chilled water control										
Valve type		3-way	3-way	3-way	3-way	3-way	3-way	3-way	3-way	
Valve size	DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 1/4"	1 1/4"	1 1/2"	
Flow rate ⁴⁾	m ³ /h	2.0	4.8	9.1	13.4	20.2	8.8	10.5	18.8	
Dimensions										
Height	mm	1,850	1,850	1,915	1,915	1,915	1,915	1,915	1,915	
Width	mm	600	1,000	1,132	1,950	1,950	1,132	1,950	1,950	
Depth	mm	600	810	860	860	860	860	860	860	
Weight	kg	170	200	320	450	490	665	520	520	
Noise level of units	dBA	Noise level depends on air volume, room conditions and configuration								
Reheat (Electric)										
Capacity (per stage)	kW	4.0	6.0/6.0	6.0/6.0	6.0/6.0	6.0/6.0	6.0	6.0/6.0	6.0/6.0	
Stages		1	2	1	2	2	1	2	2	
Humidification (Steam)										
Capacity (max.)	kg/h	1.5	3.0	8.0	8.0	8.0	8.0	8.0	8.0	
Input power	kW	1.13	2.25	6.0	6.0	6.0	6.0	6.0	6.0	
Return air filter										
Quality		EU 3	EU 4	EU 4	EU 4	EU 4	EU 4	EU 4	EU 4	
Electrical Data										
Voltage/phases/frequency	V/Ph/Hz						380-415/3/50			
Electrical heat (per stage)	A	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	
Fan	A	5.5	5.1	7.3	10.0	12.0	7.3	12.0	12.0	
Fan, reheat (per stage)	A	15.2	14.8	17.0	19.7	21.7	17.0	21.7	21.7	
Steam humidifier (max.)	A	9.9	7.5	18.7	18.7	18.7	18.7	18.7	18.7	
Fan, humidifier	A	16.4	13.6	27.7	29.7	31.7	27.7	31.7	31.7	
Microcontroller		CompTrol 1002 ⁵⁾								

¹⁾ Water supply temperature 7 °C and return water temperature 12 °C ²⁾ The electrical power consumption of the fans must be added to room heat load
³⁾ Other external static pressures are possible ⁴⁾ For return air 24 °C/50 % R.H. ⁵⁾ CompTrol C6000 optional The technical data indicated above is for general guidance only. Please contact your local STULZ sales organization for project specific data. Unit specification subject to change without notice.

CompTrol C1002

The STULZ C1002 microcontroller is a complete control and regulation system for air conditioners.

- » Adjustment of the set points, regulation parameters, system configurations and alarm parameters
- » Alarms are displayed visually until reset
- » Protection of all data in the event of a power failure
- » User friendly

- » Can be connected to STULZ monitoring systems and other building management systems



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STULZ the natural choice

Close to you worldwide.

... with expert contacts in our STULZ subsidiaries, and our exclusive global network of sales and service partners. Our five production plants are in Europe, North America and Asia.