



IT Cooling Solutions

## CyberAir 2 CWE

Precision air-conditioner unit for  
chilled water operation



# Energy Efficiency in three sizes

CyberAir 2 CWE air-conditioning systems deliver maximum cooling capacity. Each unit is made up of two modules, and with their standard door format they are easy to transport and flexible in their data centre installation options. Maintenance-free high-efficiency EC fans inside the separate module and variable control concepts greatly reduce energy consumption and cut operating costs.

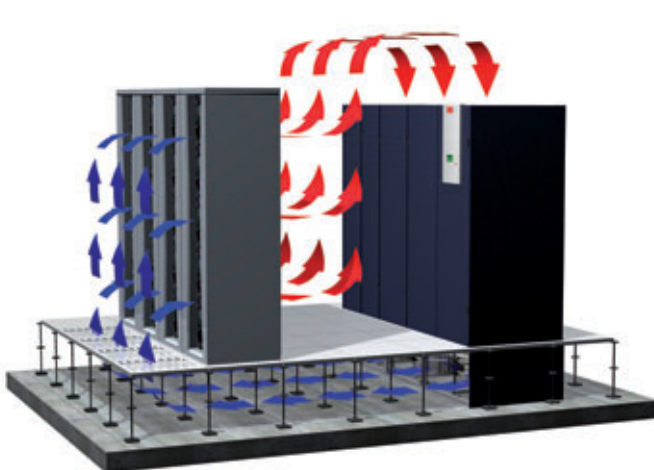


Working in combination with modern, free cooling chillers, STULZ CyberAir 2 CWE air conditioners ensure energy-efficient operation and, depending on the system's location, can considerably reduce the running costs of the system as a whole.

When planning the system layout, an allowance should be made for high chilled water temperatures, to ensure that the proportion of Free Cooling can be maximised to suit the annual operating hours.

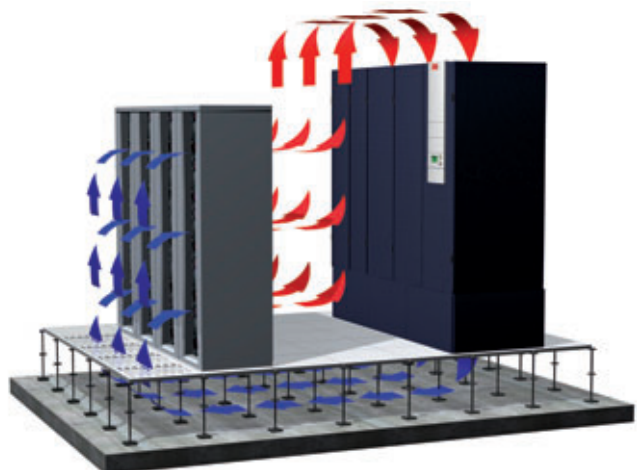
## Other technical features of the CyberAir 2 CWE series

- Maximum useful cooling capacity with greatly reduced power input
- Flexible installation according to available space and site conditions
- C7000 controller/CW standby management
- Very service-friendly, with front access
- Energy-optimised heat exchanger for high water and return air temperatures



### CWU version:

Fan unit installed under raised floor (power input of fans is up to 35% less than when installed on the raised floor)



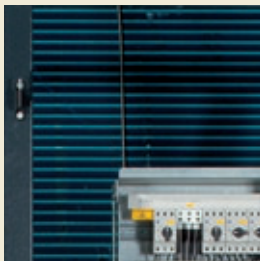
### CWE version:

Fan unit installed on raised floor when height of raised floor is insufficient

# Precision at a glance



- 1** Optimised CW heat exchanger with low air and water-side pressure drop
- 2** Longer life and reduced pressure drop thanks to enlarged filter area
- 3** 2-way valve
- 4** EC fans
- 5** Pipe connections optionally to right or left



Coil with hydrophilic cooling fins



Optional steam humidifier



EC fan with optional electric heater



C7000 IOC with optional expansion board

## Technical data of CyberAir 2 CWE

Unit type		ASD1300CWE/CWU				ASD1600CWE/CWU				ASD2000CWE/CWU			
Cooling capacity (total)	kW	83.3	129.8	67.4	105.5	116.2	174.1	93.8	142.5	121.3	184.1	99.1	152.7
Cooling capacity (sensible)	kW	83.3	129.8	67.4	105.5	116.2	174.1	93.8	142.5	121.3	184.1	99.1	152.7
Air flow	m <sup>3</sup> /h	24,000	24,000	19,000	19,000	33,000	33,000	26,000	26,000	35,000	35,000	28,000	28,000
Return air temperature	°C	24	30	24	30	24	30	24	30	24	30	24	30
Return air humidity	% rel.	50	30	50	30	50	30	50	30	50	30	50	30
Number of fans (data per unit)		2				3							
Power consumption CWE <sup>1</sup>	kW	5.2	5.2	2.6	2.6	7.2	7.2	3.6	3.6	8.1	8.1	4.2	4.2
Power consumption CWU <sup>1,2</sup>	kW	3.6	3.6	1.9	1.9	5.0	5.0	2.5	2.5	5.6	5.6	2.9	2.9
Width	mm	2,150				2,550				2,900			
Height	mm					2,495							
Depth	mm					890							
Medium inlet temperature	°C	10				10				10			
Medium outlet temperature	°C	15				15				15			
Glycol content	%	0				0				0			
Humidifier capacity max.	kg/h					15							
Filter class						F5							
<b>Heater</b>													
Max. heating steps		2				3							
Max. heating capacity per step	kW	9				9							
Max. overall heating capacity	kW	18				27							

Remarks: All data apply at 400 V/3 ph/50 Hz with 20 Pa ESP (external static pressure)

<sup>1</sup> The electric power consumption of the fans must be added to the room load

<sup>2</sup> Measured at a height of raised floor = 900mm

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## IT Cooling Solutions

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