



# CONTEG FLY SHEET

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TARGETED COOLING

## Cooling unit CoolTeg XC AC-S0-XC/B4



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## We extend our cooling unit range with CoolTeg XC

Cooling unit CoolTeg XC used for computer and server rooms is designed for integration into a continuous row of the racks. The unit provides high cooling capacity at a small floor area with an option of targeted cooling in the necessary cases.

- + Inverter driven compressor built inside the unit
- + Suitable for Arctic and Tropical environments
- + An ideal solution for the total heat load of 20 to 150kW
- + EC fans as standard
- + Wide variety of settings
- + Efficient and ecological refrigerant R410A

XC design brings a modern technology with **inverter driven compressor** by Mitsubishi Electric inside the unit. This arrangement provides precise and the most efficient cooling at any heat load. **EC fans**, equipped as standard, quietly and economically provide the necessary air flow to transfer the highest cooling capacity. Five fans are able to deliver required cooling capacity also in case of failure of one of them. The entire unit is controlled by an integrated control box with display and control panel on the front door.

The cooler is connected to an **outdoor condenser with continuously controlled fans**, reaching the highest efficiency. CONTEG offers, in addition to the standard condenser, a **unit designed for high outdoor temperatures up to 53 °C and a low-noise solution** suitable for data centers in urban areas. The cooling system works with efficient and environmentally friendly R410A refrigerant.



cooling unit CoolTeg XC - AC-SO-XC/B4

**Suitable for IT applications with a total heat load of 20 to 150 kW.**

	Unit	AC-SO-XC/B4
Total cooling capacity*	kW	22,5
Sensible cooling capacity*	kW	22
Sensible cooling capacity coefficient*		0,978
Total compressor consumption*	kW	7,4
EER*		3,03
<b>VENTILATION CIRCUIT</b>		
Number of fans / type	pcs	5 / EC radial
Air flow*	m <sup>3</sup> /h	4300
Specific air flow rate*	m <sup>3</sup> /h*kW	191
Fan power supply		200-277 / 1 / 50-60
<b>ELECTRICAL DATA</b>		
Max compressor current	A	16
Maximum current each fan	A	1,3
<b>DIMENSIONS</b>		
Height	mm	1978 (42U), 2111 (45U), 2245 (48U)
Width	mm	400
Depth	mm	1000 or 1200
Weight - depth 1000mm, height 42/45/48U	kg	230/235/240
Weight - depth 1200mm, height 42/45/48U	kg	240/245/250

\* Nominal conditions:  
Supply air temperature 19.5 °C  
Intake air temperature 35 °C  
Relative humidity of the intake air 30 %  
Refrigerant R410A  
Condensing temperature 45 °C  
Net cooling capacity (including loss of power to fans)



Remote controller



EC radial fan



Compressor