



 DATASHEET

CoolDoor

In-rack cooling units
(compact rear-door modules)
designed to be connected
to any type of chilled water

CONTEG

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CoolDoor

CoolDoor in-rack cooling units are compact yet powerful rear-door modules. They deliver up to 85 kW of cooling capacity and excel with high-temperature return water, unlocking more free-cooling and lowering operating costs.

Maintenance is simple with hot-swappable, tool-free EC fans and N+1 redundancy, dual power supplies with automatic transfer, and integrated leak detection.

↳ Main advantages

- ✓ Cooling capacity: up to 85 kW (20 °C water inlet and 24 °C air supply)
- ✓ Available in widths: 600 mm, 800 mm; heights: 42U, 47U, 52U
- ✓ High-efficiency, uniquely-designed heat exchanger
- ✓ Dual power feed with built-in ATS
- ✓ Tool-free mounting of fans and controller
- ✓ Hot-swappable EC fans with N+1 redundancy
- ✓ Standard leak sensor that auto-shuts water supply to protect servers
- ✓ Flexible hoses isolated from IT equipment
- ✓ Controller serviceable with door closed

COLOR:  RAL 9005  RAL 7035

CoolDoor		42U/47U				52U			
		600W		800W		600W		800W	
Total cooling capacity ¹	kW	60				85			
DIMENSIONS									
Height ²	mm	2 050				2 330			
Width	mm	600		800		600		800	
Depth	mm	380							
FAN PERFORMANCE	Speed	25%	50%	75%	100%	25%	50%	75%	100%
Air flow	m³/h	2 125	4 250	6 374	8 500	2 550	5 100	7 650	10 200
Power draw	W	39	150	411	844	47	780	496	1 013
Total fan noise	dB	62	72	79	85	63	73	80	86
BASIC DATA									
Number of fans		5				6			
Max power draw	W	844				1 013			
Power supply	V/ph/Hz	230/1/50-60							
Dry weight	kg	152		156		170		186	
Wet weight	kg	165		169		185		204	
Locking system		3-point locking and manual key. Optional: combination lock and Smart lock, cylinder lock.							
Intelligence		Automatic fan and valve control based on actual load demand.							
Operating temperature range	°C	5-50							
Max operating altitude	m	2 000							
Pollution degree		2							
Communication Protocol		Standard: Modbus TCP. Optional: BACnet.							
PIPING CONNECTION									
Top/Bottom		25 mm (1") with BSP or NPT.							
ACCESSORIES									
Standard (included)		Temperature sensors, flexible hose pipe (supply and return), 2-way valve + actuator, leakage sensor, power cord (A&B), crate packing.							
Optional		Inlet and outlet fluid temperature sensor, flow sensor, return side pressure sensor.							

¹ Conditions for rated capacity supply water temperature at 20 °C, return warm water temperature is at 30 °C and air supply temperature is at 24 °C.

² Necessary infill panel shall be provided for 47U and 52U high cabinets.

