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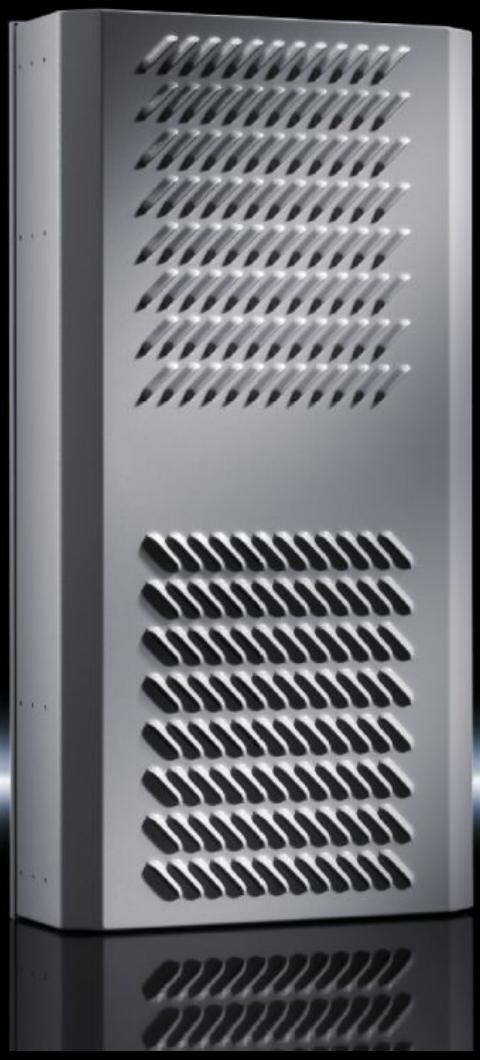

CS 9776.500

Outdoor cooling unit

State: 27/07/2025 (Source: rittal.com/uae-en)

ENCLOSURES | POWER DISTRIBUTION | CLIMATE CONTROL | IT INFRASTRUCTURE | SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

CS 9776.500 - Outdoor cooling unit for CS Toptec

Useful cooling output/heater 1,400 W/400 W, temperature control via e-Comfort controller. For mounting on the CS Toptec in 3 positions: External, partial internal and full internal mounting.

Features

Model No.	CS 9776.500
Product description	Temperature control via e-Comfort controller. The cooling unit may be attached to the enclosure in 3 positions (external, partial internal and full internal mounting).
Benefits	May be linked to the IoT interface via Blue e IoT adaptor for cooling units from 500 W cooling output with e-Comfort controller
Material	Aluminium
Surface finish	Powder-coated Pure polyester
Colour	RAL 7035
Supply includes	Fully wired ready for connection (plug-in terminal strip) Mounting frame for universal attachment to outdoor enclosures for external, partial internal and full internal mounting.
IP protection category to IEC 60 529	External circuit IP 34 Internal circuit IP 55
Total cooling output to DIN EN 14511	Cooling output L35 L35/50 Hz: 1,000 W Cooling output L35 L35/60 Hz: 1,150 W Cooling output L35 L50/50 Hz: 650 W Cooling output L35 L50/60 Hz: 700 W
Heater output	400 W
Rated operating voltage	230 V, 1~, 50 Hz/60 Hz
Start-up current max.	At 50 Hz: 24 A At 60 Hz: 22 A
Air throughput (unimpeded air flow)	External circuit with 50 Hz: 600 m³/h External circuit with 60 Hz: 625 m³/h Internal circuit at 50 Hz: 600 m³/h Internal circuit at 60 Hz: 625 m³/h

Features

Rated current max.	At 50 Hz: 5 A At 60 Hz: 5 A
Temperature control	e-Comfort controller (factory setting +35 °C)
Operating temperature range	-33 °C...55 °C
Setting range	20 °C...55 °C
Refrigerant/cooling medium	Refrigerant: R134a Quantity: 0.45 kg
Power consumption Pel	Power consumption L35 L35/50 Hz: 640 W Power consumption L35 L35/60 Hz: 760 W Power consumption L35 L50/50 Hz: 780 W Power consumption L35 L50/60 Hz: 920 W
Permissible operating pressure (p. max.)	28 bar
Dimensions	Width: 500 mm Height: 1,000 mm Depth: 150 mm
Enclosure dimensions including sealing frame and designer cover	Width: 550 mm Height: 1,050 mm Depth: 285 mm
To fit	Enclosure type: CS Toptec Width: ≥ 800 mm Depth: ≥ 1,200 mm
Installation type	Universal installation (external mounting, partial internal mounting, full internal mounting)
Packs of	1 pc(s).
Net weight	42
Gross weight	45
EAN	4028177322073
ECLASS 8.0	27180704

Approvals

Explanations

Declaration of conformity

Tender text

Cooling unit 1000 W for outdoor use in the temperature range from .33° to +55°C
For universal installation, partial internal mounting or external mounting on side panels, rear panels or doors of outdoor enclosures, minimum enclosure dimensions WxH 800 x 1200 mm.
With microcontroller for temperature control and monitoring, diagnostics and evaluation of error messages of the cooling unit. The protection category of IP 55 for the enclosure is retained due to the separation of internal circuit and external circuit.

Installation: Universal installation, the unit can optionally be mounted on the special mounting frame with all-round seal on the inside, on the outside or partially internal. A later modification of the installation type is easily possible.
Enclosure dimensions (mm) WxHxD 500 x 1000 x 185 mm
Minimum enclosure dimension mm WxH or DxH: 800 x 1200

Useful cooling output to EN 814:
L35 L35 1000/1180 W
L 35 L 50 650/700 W
Coolant: R 134a
Rated operating voltage: 230 V AC /50/60 Hz
With integral heater, 400 W

Type of connection: Female multi-point connector 9-pole. Temperature control via microcontroller.

Temperature range of environment .33°C to +55°C

Material (enclosure): Aluminium
Surface finish: Spray finished in RAL 7035

Protection category (internal circuit to external circuit):
IP 55 to EN 60529/10.91