

CB Electrical duct heaters

Electrical duct heater for standard circular spiral ducts

- Compact design
- Horizontal or vertical installation
- Spigot connection
- Double overheating protection

[Find more details in our online catalogue](#)

Wide range

Duct heater available in a **wide range** of connection diameters **up to 400 mm** and capacities **up to 12 kW**.

Robust materials

The electrical duct heater is manufactured from **Aluzinc-coated sheet steel** with a heating element in **stainless steel**.

Flexible installation in spiral ducts

The electrical duct heater has a **spigot connection** with rubber sealings for fitting to standard spiral ducts and designed for installation in both a **horizontal** or **vertical** position.

Double protection

The duct heater is equipped with **two integrated protections** (one with **automatic reset** and one with **manual reset**), to **prevent overheating** in case of a fault in the system.

CBMF 250-6,0 400V/2 Duct heater

Duct heater DN 250, electric, 6,0kW, 400V2~, control/flow

Duct heater with integral control equipment

Duct heater with spigot connection for standard spiral circular ducts. Manufactured from Aluzinc-coated sheet steel with a heating element in stainless steel. The CBMF has rubber seals on the connecting spigots.

The temperature is set on the cover of the duct heater. The heater has double integral overheating protection: one with automatic and one with manual reset. The unit is controlled by an integral electronic temperature regulator, using so-called time-proportional Pulse/Pause technology. This provides extremely precise temperature control. As a thyristor is used for adjusting the temperature, the unit has no moving parts. This means that it is silent and not susceptible to wear and tear. A pressure- and airflow guard that interlocks the heater is built into the terminal box.

The minimum air volume is based on a minimum air velocity of 1.5 m/s. These duct heaters are designed for a maximum output air temperature of 50°C.

The CB can be installed in a horizontal or vertical position. In a horizontal position, the connection box should be installed facing upwards, or rotated 90° to one side. Installation with the connection box facing downwards is not allowed.

All CBMFs are delivered with duct sensor TG-K330 (0-30°C) as standard.

Technical parameters

Nominal data

Voltage (nominal)	400	V
Voltage type	AC	
Frequency	50	Hz
Phases	2~	
Input power	6,000	W
Input current	15	A
Air flow	min. 0.0736	m³/s

Ambient and duct temperature

Permitted ambient temperature	max 40	°C
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Dimensions and weights

Duct dimension; Circular, inlet	250	mm
Duct dimension; Circular, outlet	250	mm
Weight	5.6	kg

Others

Duct cooler/heater	Electric heater
Duct connection type	Circular

Performance

Dimension

∅ D = 250

Accessories

- TG-K330 Duct Sensor 0-30°C (5160)
- TG-R630 External sensor (5164)
- TG-R530 Room sensor 0-30°C (5163)

Documents

- CB-CBM-CBMF_FITTING_INSTRUCTION.pdf
- DECL_OF_CONFORMITY_CB_CBM_CBMF_CBMB_2020-09.PDF