



## 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 **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.

### CB 250-6,0 400V/2 Duct heater

**Duct heater DN 250, electric, 6,0kW, 400V2~**

Electrical duct heater

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

The heater has double integral overheating protection: one with automatic and one with manual reset. Suitable for control by room thermostat or Pulser regulator (additional accessories).

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.

## Technical parameters

### Nominal data

Voltage (nominal)	400	V
Voltage type	AC	
Frequency	50	Hz
Phases	2~	
Input power	6,000	W
Input current	16	A
Air flow	min. 265	m³/h

### Ambient and duct temperature

Permitted ambient temperature	max 30	°C
-------------------------------	--------	----

### Dimensions and weights

Duct dimension; Circular, inlet	250	mm
Duct dimension; Circular, outlet	250	mm
Weight	5.2	kg

### Others

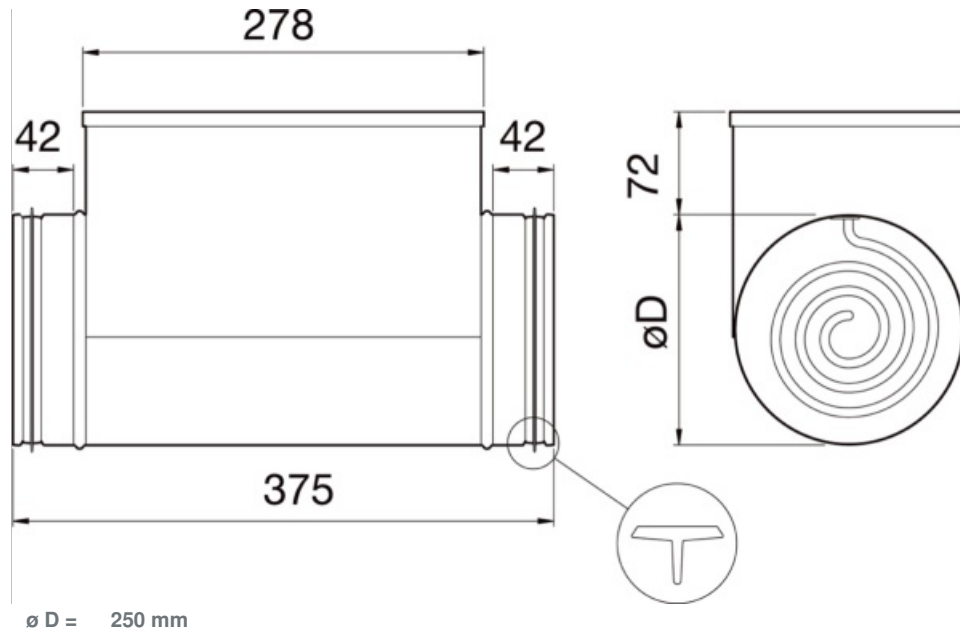
Duct cooler/heater	Electric heater
Duct connection type	Circular

## Performance

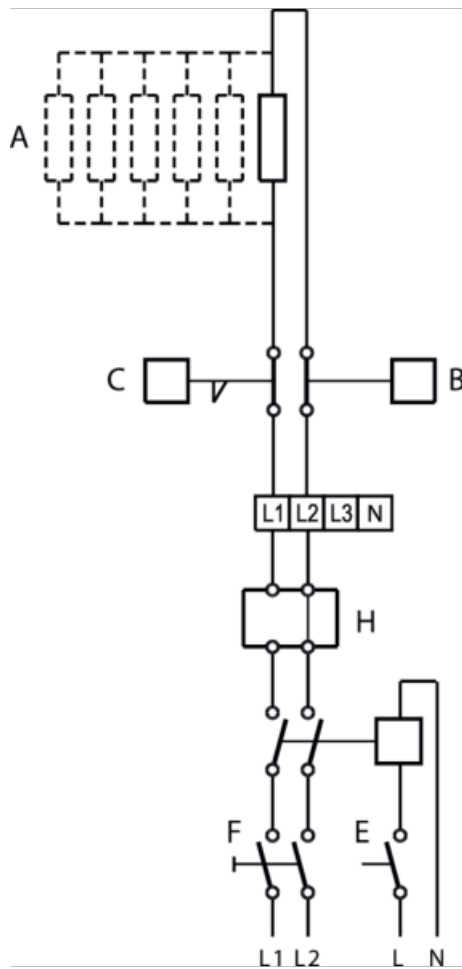
### Calculation result

Min. air flow	265 m³/h
Max power	6.00 kW
Voltage	400 V
Phases	2
Current	15.00 A
Air flow	100 m³/h
Percent power used	3 %
Inlet air temperature	15.0 °C
Outlet air temperature	20.0 °C
Inlet air humidity	90 % r.H
Outlet air humidity	66 % r.H
Pressure drop	0 Pa

## Dimension



## Wiring



- A = Heating elements
- B = Over heat protection with automatic reset
- C = Over heat protection with manual reset
- E = Interlocking
- F = All phase breaker
- H = Thyristor type Pulser or TTC

## Accessories

- Pulser M Temperature control (5144)
- DTV500A (96807)
- Air flow switch AFS1 (333279)
- DTV200 (6261)
- Air flow monitor KLSW-W230 (452400)
- Thermostat bulb TZR6585/N (993003)

## Documents

- CB-CBM-CBMF\_FITTING\_INSTRUCTION.pdf
- DECL\_\_OF\_CONFORMITY\_CB\_CBM\_CBMF\_CBMB\_2020-09.PDF