

RB Electrical duct heaters

Electrical duct heater for standard rectangular ducts

- **Compact** design
- **Horizontal** or **vertical** installation
- **Standard flanges** for easy installation
- **Double** overheating **protection**

Find more details in our online catalogue

Wide range

Duct heater available in **wide range** of sizes **up to 1000×500mm** and power capacities.

Robust materials

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

Flexible installation in rectangular ducts

The electrical duct heater has a 20 mm **flanges** for fitting to standard rectangular 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.

RB 100-50/80-5 400V/3 Duct hea

Duct heater 1000x500 mm, electric, 80kW, 400V3~

Duct heater for rectangular ducts. Manufactured from Aluzinc-coated sheet steel with a heating element in stainless steel. The heater has integral overheating protection with a manual reset function. Suitable for control by room thermostat or TTC. 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 40°C.

Technical parameters

Nominal data		
Voltage (nominal)	400	V
Voltage type	AC	
Frequency	50	Hz
Phases	3~	
Input power	80000	W
Input power kW	80	kW
Input current	115.5	A
Air flow	0.75 to 5	m^3/s

Ambient and duct temperature		
Permitted ambient temperature	max. 40	°C

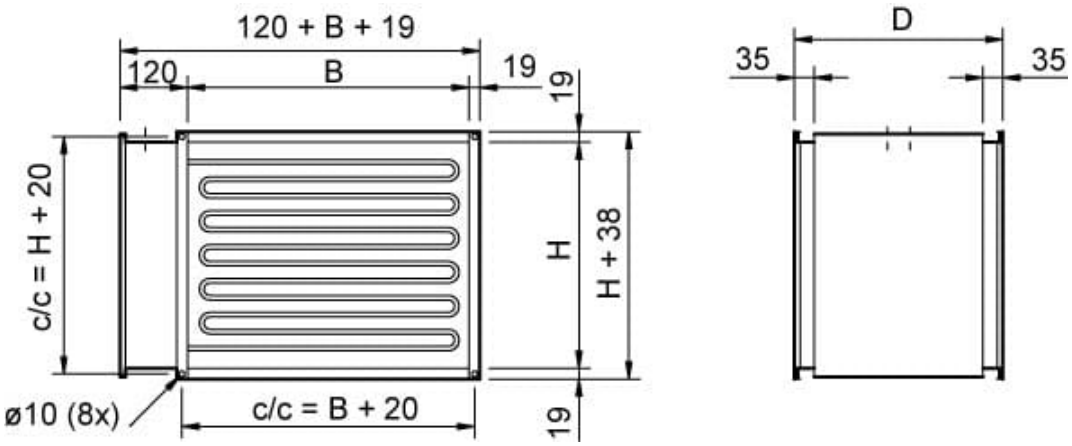
Dimensions and weights		
Duct dimension, inlet (height x width)	500 x 1000	mm
Duct dimension, outlet (height x width)	500 x 1000	mm
Weight	44.8	kg

Others	
Duct cooler/heater	Electric heater
Duct connection type	Rectangular

Performance

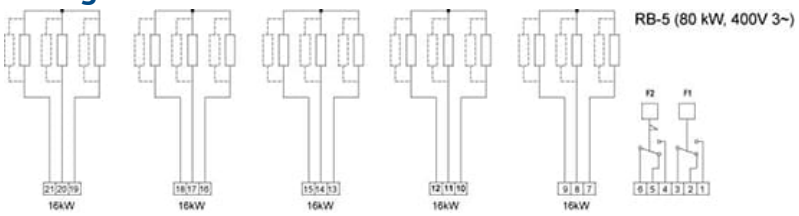
Calculation result	
Min. air flow	0.75 m^3/s
Max power	80.00 kW
Voltage	400 V
Phases	3
Current	115.47 A
Air flow	2.15 m^3/s
Percent power used	89 %
Inlet air temperature	-5.0 °C
Outlet air temperature	20.0 °C
Inlet air humidity	90 % r.H
Outlet air humidity	15 % r.H
Pressure drop	27 Pa

Dimension



B	H	D
1000	500	370

Wiring



F1	=	Overheating protection, automatic (60°C)
F2	=	Overheating protection, manual (120°C)

AHU Acceessories

- DTV200 (6261)
- TT-S4/D Step switching unit (9154)
- TTC-2000 Temp. control 25A (5171)
- DTV500A (96807)
- TT-S6/D Step switching unit (13668)

Documents

- Decl. of Conformity RB RBM RBK_RBMF_2020-09.pdf
- RB RBK RBM IMO 172483-04.pdf