

DATA SHEET

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ELECTRIC DUCT HEATER

Product description

The electric duct heater can be used in ventilation systems, where there is a need for additional heating in the form of preheating or reheating.

The heater is available with Ø160, Ø200 or Ø250 mm duct connections. It is very flexible, since it can be set between 450, 700, 1100 and 1800 W as necessary. Curves for the selection of performance are displayed on the other side.

The duct heater is made from a heat galvanised sheet metal and fitted with rubber seals on each end.

The junction box is also made from heat galvanised sheet metal and comes with 2 x PG16 screw connections. It has a protection rate of IP44.

The heater is equipped with a fire thermostat that automatically cuts off the power supply, if the temperature exceeds 80°C. If the temperature decreases, the heater automatically re-engages.

As an additional security there is a built-in thermal cut-out, which disengages, if the temperature exceeds 110°C. Re-engaging must be done manually.

The heater is equipped with two heating elements made of AISI 304 (stainless steel). To prevent overheating of the heating elements a minimum speed of 2 m/s is required through the pipe.



Accessories

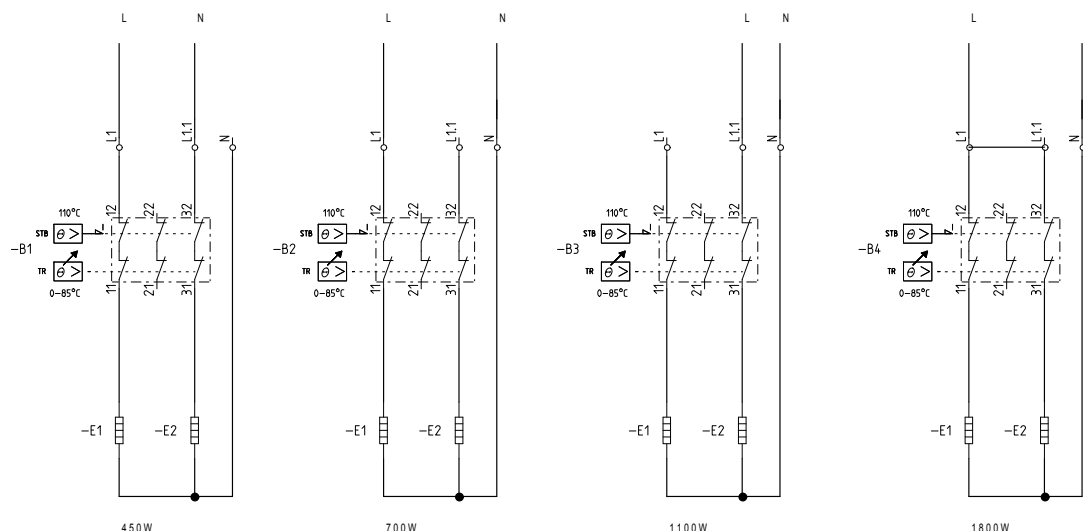
With independent operation:

- Duct sensor TG-K330 0-30°C
- Triac pulser 920 for wall installation

Connection with Optima pcb:

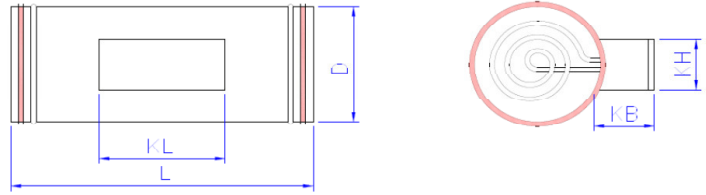
- Sensor MOT-GV-223F-I 2.200 mm

Connection diagram

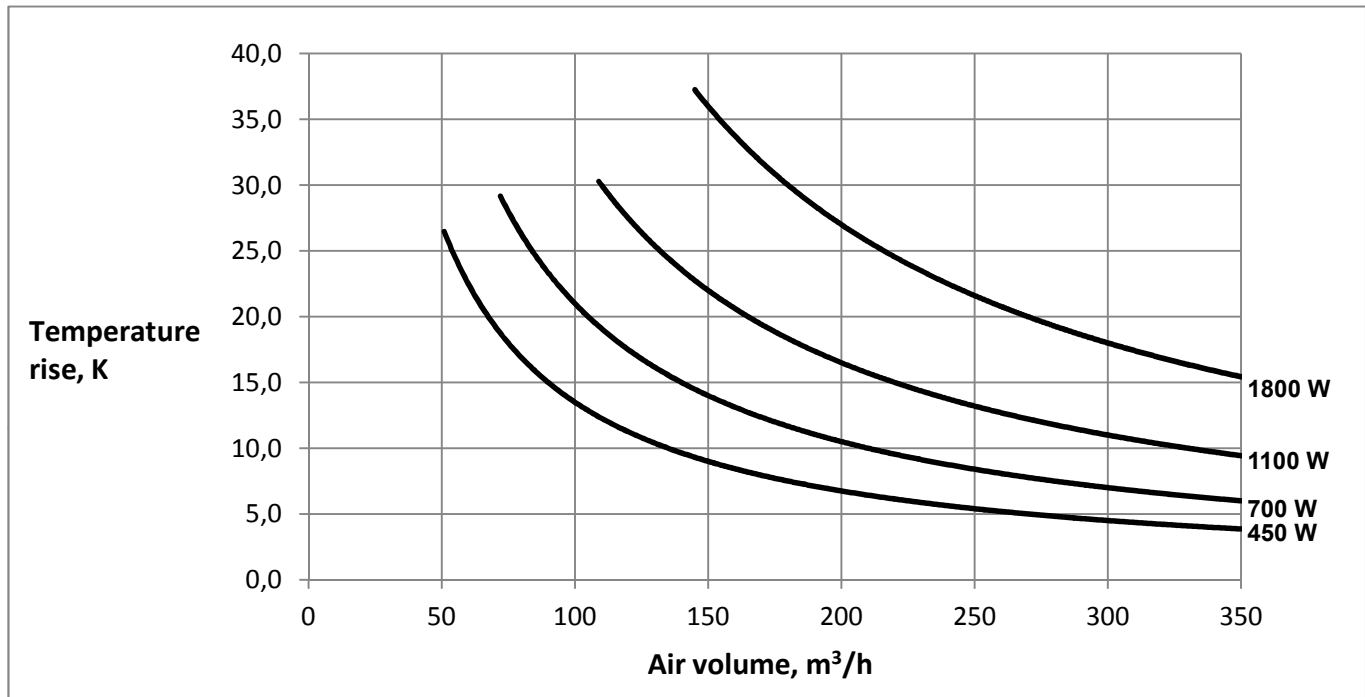


Technical data

Power (W)	450	700	1100	1800
Min. air quantity (m ³ /h)	51	72	109	145
Electricity (A)	2,0	3,0	4,8	7,8
Ohm (Ω)	120	73,3	46,6	29,4
Length L (mm)	400			
Diameter D (mm)	160 / 200 / 250			
Dimensions KL / KH / KB (mm)	250 / 125 / 125			



Capacity curve



The diagram shows the increase in temperature that the air will obtain using different air volumes after it has come through the heater.

In order to ensure the lowest energy consumption possible, the lowest possible power must be selected.