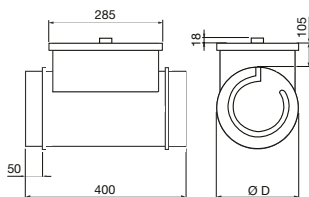


MBE – electric heaters



Notice:

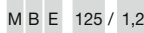
When the ventilation system is turned off, the fan must be allowed to run for cooling down the heating rods with a delay of min. 2 minutes
Otherwise, there is a risk of damage to the heater and other equipment.

Technical parameters

■ MBE – electric heater for circular pipes

- has a housing made of galvanized or painted sheet metal, the cabinet contains a terminal board and internal installation
- heating rods are made of stainless steel
- is fitted with two thermostats, one is working (60 °C), the other is safety (safety switches off at 120 °C)
- the reset button of the safety thermostat is located on the housing, during assembly it is necessary to place the heater in view of the revision activity
- minimum air speed in the heater is 1.5 m/s
- continuous regulation is carried out by the REG 230/400 or TTC 2000 regulator
- IP43 protection
- they are mounted behind the fan in the direction of air flow, approx. 1 m of pipe must be inserted between the fan and the heater
- the following designs are available outside the standard performance range:
MBE-100 – 0.8 kW
MBE-125 – 0.4/0.8 kW
MBE-160 – 0.7/1.4 kW
MBE-200 – 2/3/4/9 kW
MBE-250 – 1.4/2/3/4/5/9 kW
MBE-315 – 3/12/15 kW
MBE-355 – 6/12/15/18 kW
MBE-400 – 6/12/15/18 kW
MBE-500 – 6/12/15/18 kW

■ Example of order execution



pipe connection diameter ————
electric heating output (kW) ————



when turning off the fans, the dampers in the system must be closed only after the rods have cooled down, otherwise there is a risk of damage to the heater and other equipment

Accessories



REG 230/400 temperature control for MBE (K8.3)



TTC 2000 triac regulator (K8.3)



JTR triac switch (K 8.3)



TGBR 430 room temperature sensor with control element



TGBR 530 room temperature sensor without control element



TGBK 330, 360 channel temperature sensor for pipes

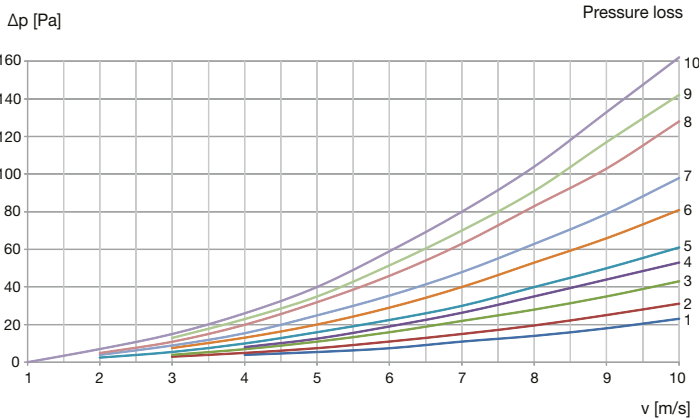
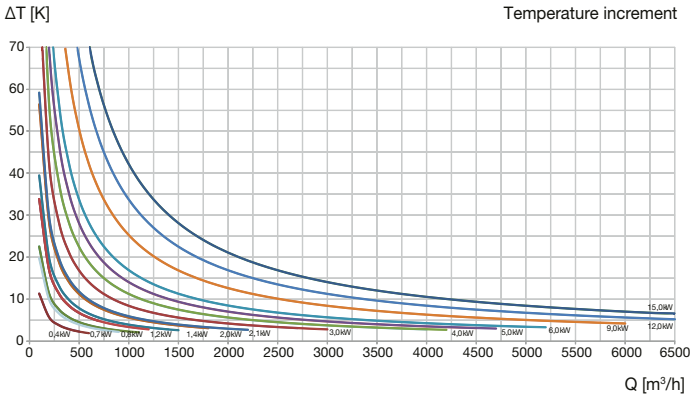


TGBA 130 attached temperature sensor

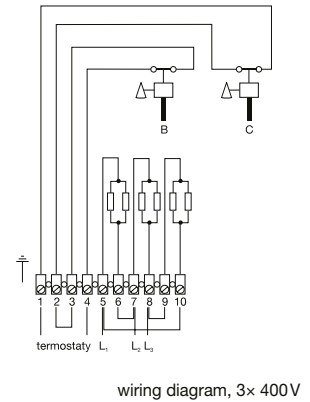
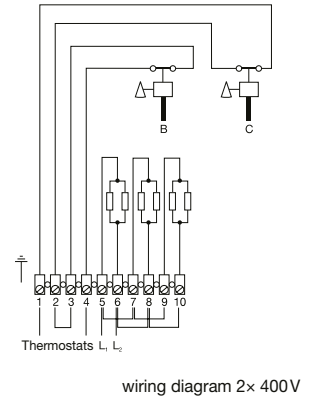
7¹

| Type | suitable for fans | | input power [W] | voltage [V] | current [A] | min. flow [m³/h] | schema chapter | regulator |
|--------------|-------------------|-----------------|-----------------|-------------|-------------|------------------|----------------|----------------------|
| | MIXVENT-TD | RM-N, CVAB(T)-N | | | | | | |
| MBE-100/0.4 | 250/100 | 100 | 400 | 1/230 | 1.7 | 50 | 8.3 | REG 230/400 |
| MBE-125/1.2 | 350/125 | 125 | 1,200 | 1/230 | 5.2 | 70 | 8.3 | REG 230/400 |
| MBE-160/2.1 | 500/160 | 160 | 2,100 | 1/230 | 9.1 | 110 | 8.3 | REG 230/400 |
| MBE-200/5.0 | 800/200 | 200 | 5,000 | 2/400 | 12.5 | 170 | 8.3 | REG 230/400 |
| MBE-250/6.0 | 1000-1300/250 | 250 | 6,000 | 2/400 | 15.0 | 270 | 8.3 | REG 230/400 |
| MBE-315/6.0 | 2000/315 | 315 | 6,000 | 2/400 | 15.0 | 420 | 8.3 | REG 230/400 |
| MBE-315/9.0 | 2000/315 | 315 | 9,000 | 3/400 | 13.0 | 420 | 8.3 | TTC 2000, JTR-18-1-B |
| MBE-355/9.0 | 4000/355 | 355 | 9,000 | 3/400 | 13.0 | 540 | 8.3 | TTC 2000, JTR-18-1-B |
| MBE-400/9.0 | 6000/400 | 400 | 9,000 | 3/400 | 13.0 | 680 | 8.3 | TTC 2000, JTR-18-1-B |
| MBE-450/15.0 | – | 450 | 15,000 | 3/400 | 21.7 | 860 | 8.3 | TTC 2000, JTR-18-1-B |
| MBE-500/9.0 | – | 500 | 9,000 | 3/400 | 13.0 | 1,060 | 8.3 | TTC 2000, JTR-18-1-B |

Characteristics



Supplementary image



| Type | curve type | Type | curve type |
|-------------|------------|--------------|------------|
| MBE 100/0.4 | 1 | MBE 250/6.0 | 5 |
| MBE 100/0.8 | 7 | MBE 250/9.0 | 7 |
| MBE 125/0.4 | 1 | MBE 315/3.0 | 1 |
| MBE 125/0.8 | 5 | MBE 315/6.0 | 2 |
| MBE 125/1.2 | 6 | MBE 315/9.0 | 4 |
| MBE 160/0.7 | 1 | MBE 315/12.0 | 5 |
| MBE 160/1.4 | 4 | MBE 355/6.0 | 2 |
| MBE 160/2.1 | 5 | MBE 355/9.0 | 3 |
| MBE 200/2.0 | 2 | MBE 355/12.0 | 4 |
| MBE 200/3.0 | 4 | MBE 400/6.0 | 1 |
| MBE 200/4.0 | 5 | MBE 400/9.0 | 2 |
| MBE 200/5.0 | 6 | MBE 400/12.0 | 3 |
| MBE 200/6.0 | 7 | MBE 400/15.0 | 8 |
| MBE 250/2.0 | 1 | MBE 450/15.0 | 7 |
| MBE 250/3.0 | 2 | MBE 500/6.0 | 1 |
| MBE 250/4.0 | 2 | MBE 500/9.0 | 1 |
| MBE 250/5.0 | 4 | MBE 500/12.0 | 2 |

