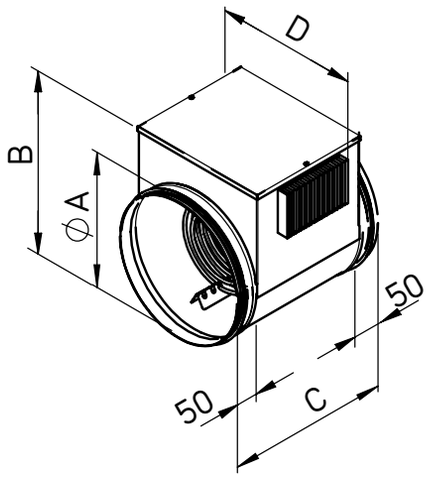
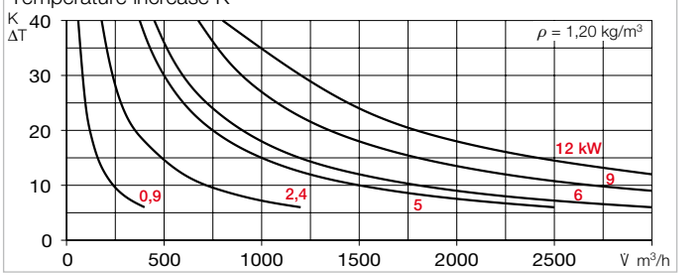
EHR-R TR

Dimensions EHR-R TR

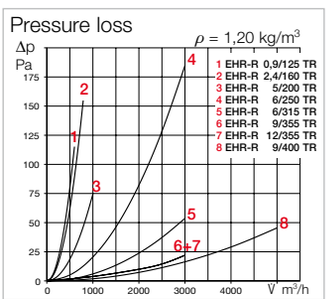


Dim. in mm see table

Temperature increase K



Pressure loss



Electric heating element EHR-R TR with integrated temperature control. The convenient and easy to install solution for wherever there is a need for constant supply air. Electric heating elements EHR-R TR have integrated temperature control and they can be installed in almost any position in the duct system. Installation is very easy and space-saving.

Heating element

- ☐ Closed tubular heating element (tubular steel heating radiator) with low surface temperature. Duct casing with terminal box made of aluzinc coated steel and integrated temperature control for installation in commercial pipe systems.
  Equipped with an automatically resetting temperature limiter (activation temperature 50 °C) and a manually resettable temperature limiter (activation temperature 100 °C).
- ☐ Protection category IP30.

Temperature control

- ☐ Constant supply air temperature control by connecting the provided duct sensor. Setpoint setting (0 – 30 °C) via potentiometer on outside of unit.
- ☐ The controller works with a time-proportional pulse width control. The ratio between activation time and deactivation time is adjusted to the existing power requirement. The max. switching cycles per time unit stipulated by the electricity suppliers are thus maintained even for high switching capacities.

Application

- ☐ EHR-R TR are suitable for constant supply air control. In case of rapid temperature changes in the supply air, a PI control behaviour is achieved.
- ☐ An air flow monitoring system is also stipulated for safety reasons.

Flow monitor

– electronic

SWE	Ref. no. 00065

– mechanical, from NW 315

SWT	Ref. no. 00080

see product page.

Installation instructions

- ☐ See description EHR-R, page 480.

Selection and operation

- ☐ Heating elements create additional pressure loss which must be taken into account for overall system dimensioning.
  An air flow temperature increase depends on the volume flow and heat output (see diagrams above).
  In order to prevent unwanted temperature monitor deactivation, the minimum air flow rate (see table) must be maintained.

Type	Ref. no.	Power	Number of heating coils	Curr. consump.	Minimum volume flow	Compat. with fan	Wiring diagram	Dimensions A	B	C	D	Weight approx.
		kW	x kW	A	m³/h	NS mm	No.	mm	mm	mm	mm	kg
1~, 230 V												
EHR-R 0,8/125 TR	05293	0.9	1 x 0.6 1 x 0.3	3.9	70	125	1597	125	196	370	150	2.30
EHR-R 2,4/160 TR	05294	2.4	2 x 1.2	10.4	110	160	1597	160	231	370	185	3.15
2~, 400 V												
EHR-R 5/200 TR	05295	5.0	2 x 1.5 2 x 1	12.5	170	200	1598	200	271	370	225	4.55
EHR-R 6/250 TR	05296	6.0	4 x 1.5	15	270	250	1598	250	321	370	275	5.30
EHR-R 6/315 TR	05301	6.0	4 x 1.5	15	415	315	1598	315	386	373	340	7.95
3~, 400 V												
EHR-R 9/355 TR	05297	9.0	6 x 1.5	13	550	355	1599	355	426	373	380	9.3
EHR-R 12/355 TR	05298	12.0	6 x 1.5 3 x 1.0	17.3	550	355	1599	355	426	500	380	13.0
EHR-R 9/400 TR	05299	9.0	6 x 1.5	13	690	400	1599	400	471	373	425	10.1