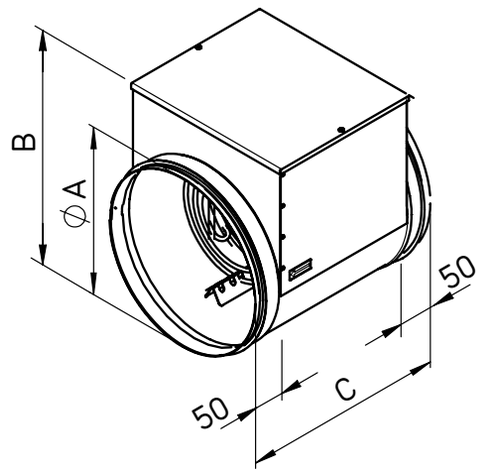
EHR-R

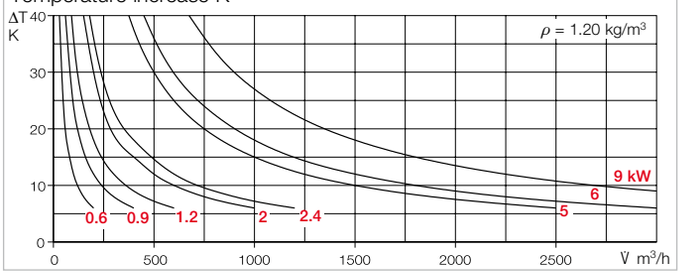


Dimensions EHR-R

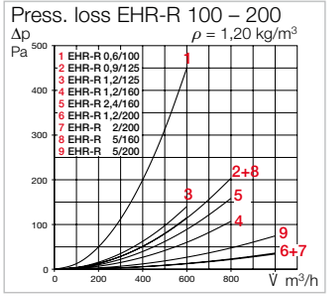


Dim. in mm see table

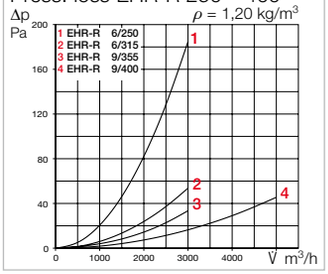
Temperature increase K



Press. loss EHR-R 100 – 200



Press. loss EHR-R 250 – 400



Electric heating element EHR-R

Closed tubular steel radiator with low surface temperature. Duct casing with terminal box made of aluzinc coated steel sheet 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 IP44.

Installation instructions

Install the heating element in the flow direction downstream of the fan. In case of installation upstream of the fan, ensure that the air flow temperature at the fan does not exceed its maximum permissible temperature. A duct piece of at least 1 m in length must be installed between the fan and the heating element. The minimum heating element air volume must be maintained. The heating element must be connected so that operation is only possible when the fan is activated. If the temperature monitor is triggered, the control unit must be switched off (by the safety chain to be provided by the customer).

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). A minimum air flow (see table) must be provided.

Type		Ref. no.	Power	Number of heating coils	Current consum.	Min. volume flow	Compat. with fan	Wiring diagram[1]	Dimensions Ø A	B	C	Weight approx.	Compatible temperature control system	
			kW	x kW	A	m³/h	NS mm	No.	mm	mm	mm	kg	Type	Ref. no.
1~, 230 V														
EHR-R	**0,6/100**	08708	0.6	2 x 0.3	2.6	40	100	1587	100	171	370	1.62	**EHS**	05002
EHR-R	**0,9/125**	08709	0.9	1 x 0.3 / 1 x 0.6	3.9	70	125	1587	125	196	370	2.00	**EHS**	05002
EHR-R	**1,2/125**	09433	1.2	2 x 0.6	5.2	70	125	1587	125	196	370	2.20	**EHS**	05002
EHR-R	**1,2/160**	09434	1.2	1 x 1.2	5.2	110	160	1587	160	231	370	2.40	**EHS**	05002
EHR-R	**2,4/160**	09435	2.4	2 x 1.2	10.4	110	160	1587	160	231	370	2.75	**EHS**	05002
EHR-R	**1,2/200**	09436	1.2	1 x 1.2	5.2	170	200	1587	200	271	370	2.95	**EHS**	05002
EHR-R	**2/200**	09437	2.0	2 x 1.0	8.7	170	200	1587	200	271	370	3.15	**EHS**	05002
2~, 400 V														
EHR-R	**5/160**	08710	5.0	5 x 1.0	12.5	110	160	1588	160	231	370	3.55	**EHS**	05002
EHR-R	**5/200**	08711	5.0	2 x 1.5 / 2 x 1.0	12.5	170	200	1588	200	271	370	3.95	**EHS**	05002
EHR-R	**6/250**	08712	6.0	4 x 1.5	15.0	270	250	1588	250	321	370	4.70	**EHS**	05002
EHR-R	**6/315**	08713	6.0	4 x 1.5	15.0	415	315	1588	315	386	370	7.15	**EHS**	05002
3~, 400 V														
EHR-R	**9/355**	08656	9.0	6 x 1.5	13.0	550	355	1589	355	426	373	8.65	**EHSD 16**	05003
EHR-R	**9/400**	08657	9.0	6 x 1.5	13.0	690	400	1589	400	471	373	9.30	**EHSD 16**	05003

[1] Principle connection for all types No. 1567.

Accessories

Electronic temperature control system

EHS see type table

Controls the heat output of the heating element depending on the difference between the setpoint and actual value for supply air temperature, which serves as a reference variable.

Duct sensor (Accessory for EHS)

TFK Ref. no. 05005

Temperature sensor for detecting the air temperature in air ducts.

Room sensor (Accessory for EHS)

TFR Ref. no. 05006

Temperature sensor with integrated setpoint adjuster for surface mounting. Also suitable simply as a temperature sensor or simply as a setpoint adjuster.

Reference

DIN VDE 0100-420 must be observed on site; suitable air flow monitoring and electrical locking must be provided.

Accessories Page

Electronic temperature control system EHS 481