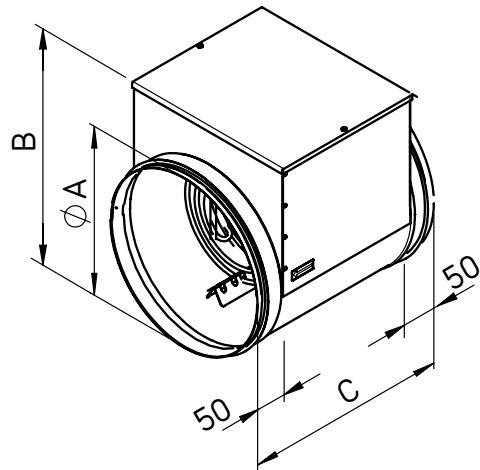


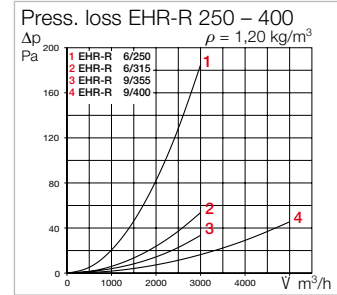
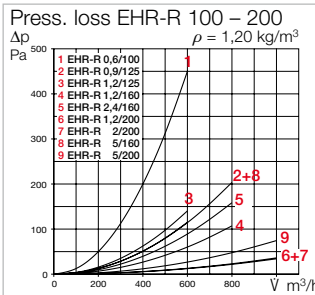
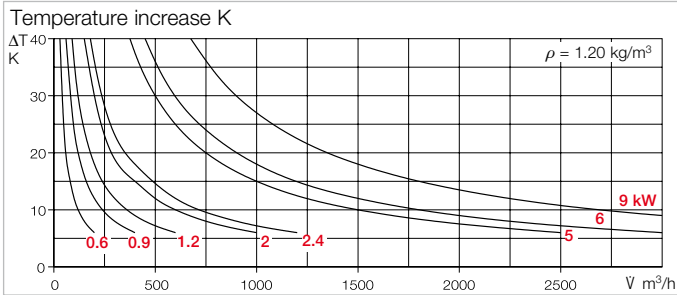
EHR-R



Dimensions EHR-R



Dim. in mm see table



■ 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.

■ Accessories

Electronic temperature control system

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

Temperature sensor for detecting the air temperature in air ducts.

Room sensor (Accessory for EHS) TFR

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

Type	Ref. no.	Power kW	Number of heating coils x kW	Current con- sum. A	Min. volume flow m³/h	Compat. with fan NS mm	Wiring diagram ^{b)} No.	Dimensions			Weight approx. kg	Compatible temperature control system		
								Ø A mm	B mm	C mm		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.

■ 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