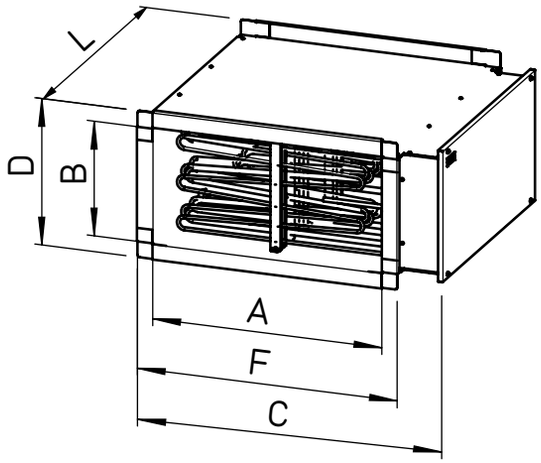
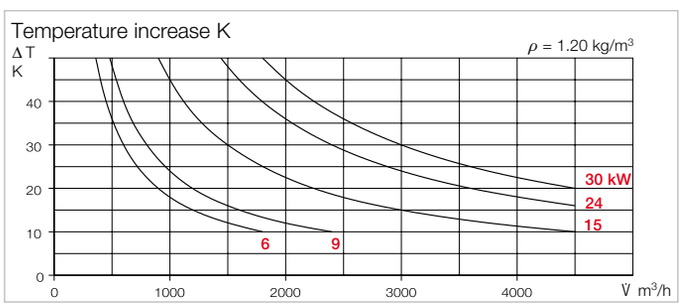
EHR-K

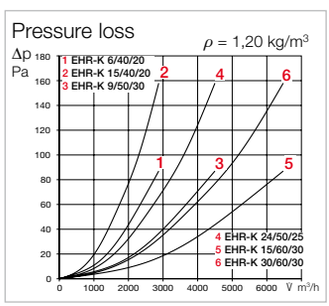


Dimensions EHR-K



Dim. in mm see table





Electric heating element EHR-K

- Closed tubular heating element in aluzinc coated steel casing with double-sided connection flanges for installation in duct system.
- Tubular heating element with low surface temperature wired to external terminal box, switchable in several groups.
- 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 1,2 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. When the temperature monitor is triggered, the control unit must be switched off (by the safety chain to be provided on site).

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

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.

Type	Ref. no.	Power	No. of heating coils	Current consumption	Min. volume flow	Compat. with rect. duct fan	Connect. Wiring diagram[1]	Dimensions						Weight approx.	Compatible temperature control system	
		kW	x kW	A	m³/h	NG cm	No.	A	B	C	D	L	F	kg	Type	Ref. no.
3~. 400																
EHR-K	**6/40/20** 08702	6	6 x 1.0	8.7	435	40/20	1590	400	200	521	270	370	470	11.97	**EHSD 16**	05003
EHR-K	**15/40/20** 08703	15	6 x 1.5 6 x 1.0	21.7	435	40/20	1590	400	200	521	270	440	470	16.30	**EHSD 16**	05003
EHR-K	**9/50/30** 08704	9	3 x 3.0	13.0	810	50/30	1591	500	300	621	370	370	570	15.33	**EHSD 16**	05003
EHR-K	**24/50/25** 08705	24	12 x 1.5 6 x 1.0	34.7	675	50/25	1607	500	250	632	320	600	570	18.00	**EHSD 30**	05004
EHR-K	**15/60/30** 08706	15	3 x 2.0 3 x 3.0	21.7	972	60/30	1591	600	300	721	370	370	670	18.50	**EHSD 16**	05003
EHR-K	**30/60/30** 08707	30	6 x 3.0 6 x 2.0	43.4	972	60/30	1592	600	300	721	370	440	670	22.00	**EHSD 30**	05004

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

Accessories	Page
Electronic temperature control system EHS	491

Reference

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