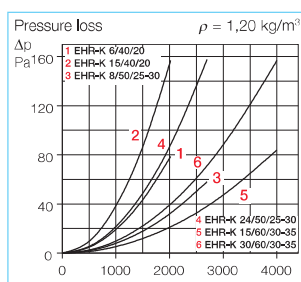
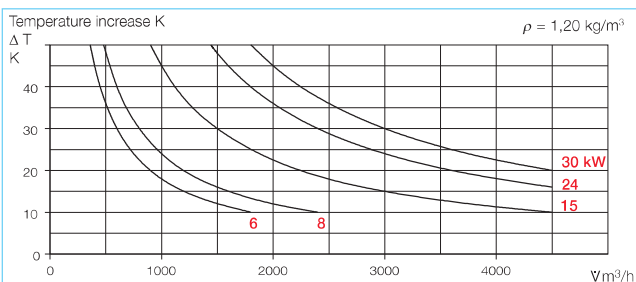
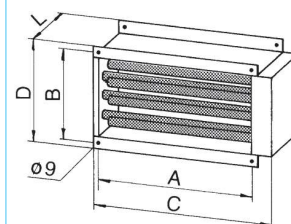


EHR-K



Dim. in mm see table



Electric heater battery EHR-K

Heating elements enclosed in a galvanised casing with MEZ flanges on both sides for in-duct installation.

Heating elements with low surface temperature are individually wired to the outer terminal box and coils can be wired in several groups.

Equipped with a thermal switch which opens at 90 °C and re-sets itself after cooling down. The other thermal switch opens at 120 °C and must be reset manually.

Note

DIN VDE 0100-420 must be observed on site; a proper air flow monitoring and electrical interlocking shall be provided.

Installation

The heater must be installed downstream of the fan. If installing it before the fan, make sure that the air flow temperature at the fan does not exceed the fan's maximum temperature. A rectangular duct with a length of at least 1 metre must be installed between fan and heater. The heater should not be used below the minimum air flow volume of the heater battery. The electrical connection must be interlocked so that the heater cannot operate if the fan is not running. If the thermal switch releases, the heater battery must cut off automatically. The coils can be wired in groups so that the heat output can be reduced arbitrarily.

Selection and operation

The heater batteries generate an additional resistance that must be considered when designing the system.

The temperature increase depends on air flow volume and heat output (see diagrams above).

In order to prevent an unwanted thermal cut out, the air flow volume must be higher than the minimum figure shown in the chart.

Accessories

Electronic temperature control system EHS

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Accessories

Electronic temperature control system

Type EHS see table below

Controls the heat output of the heating element by monitoring difference between the supply air temperature and the required temperature.

Duct sensor (accessory for EHS)

Type TFK Ref. no. 5005

Temperature sensor for detecting the air temperature in ducting.

Room sensor (accessory for EHS)

Type TFR Ref. no. 5006

Temperature sensor with integrated "desired value encoder" for surface mounting. Can also be used as temperature sensor or as desired value encoder only.

Type	Ref. no.	Motor power	Switching groups no.	Current	Minimum air flow volume	fits rectangular fan	Wiring diagram ¹⁾	Dimensions in mm					Weight approx.	Suitable temperature control system		
		kW	x kW	A	m³/h	nom. size cm	no.	A	B	C	D	L	kg	Type	Ref. no.	
3~, 400																
EHR-K	6/40/20	8702	6	2 x 3	8.7	430	40/20	361.4	423	223	550	250	200	7.3	EHSD 16	5003
EHR-K	15/40/20	8703	15	5 x 3	21.7	430	40/20	366.4	423	223	550	250	320	13.3	EHSD 16	5003
EHR-K	8/50/25-30	8704	8	2 x 4	11.3	680	50/25-30	362.4	523	273/323	650	350	200	9.2	EHSD 16	5003
EHR-K	24/50/25-30	8705	24	6 x 4	33.9	680	50/25-30	364.4	523	273/323	650	350	250	17.2	EHSD 30	5004
EHR-K	15/60/30-35	8706	15	3 x 5	20.9	980	60/30-35	365.4	623	323/373	750	400	200	12.9	EHSD 16	5003
EHR-K	30/60/30-35	8707	30	6 x 5	41.7	980	60/30-35	363.4	623	323/373	750	400	200	19.3	EHSD 30	5004

¹⁾ Principal wiring for all types no. 476.2