



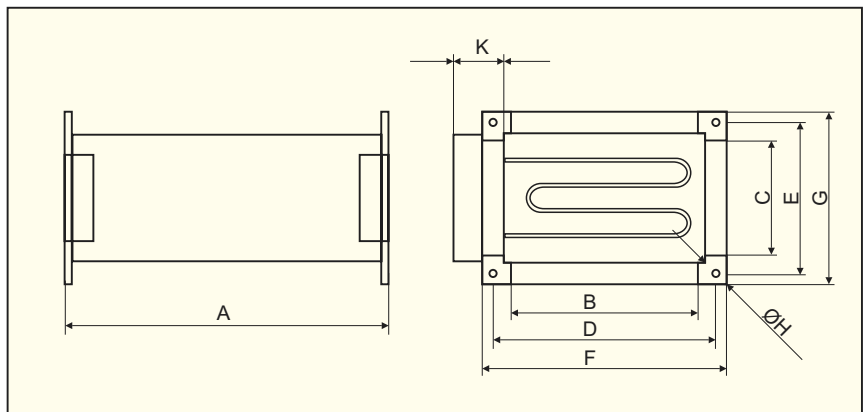
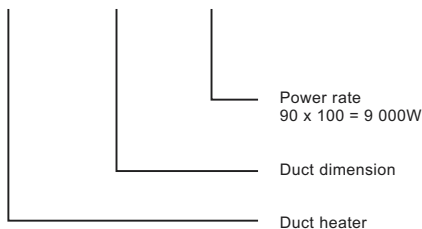
## Construction

Duct heaters designed for installation directly in rectangular ventilation ducts. Casing in welded steel sheet and powder coated. The heating radiators are designed in stainless material (SS2337). Duct heaters have as a standard an automatic and a manual thermal protection. The duct heaters should not be dimensioned for higher outlet temperature than 40°C. The air speed through the heaters should not be lower than 1,5m/s.

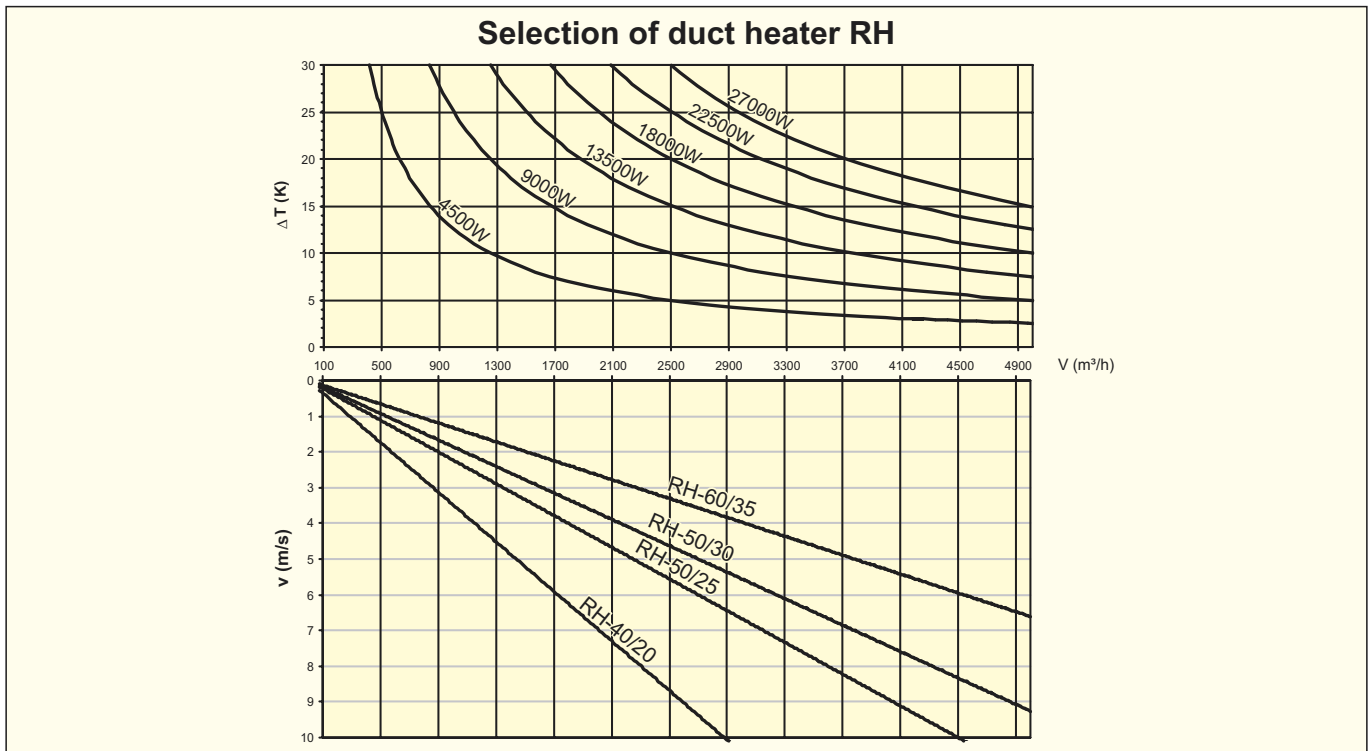
Wiring diagram, see page 180, 181.

## Model numbering system

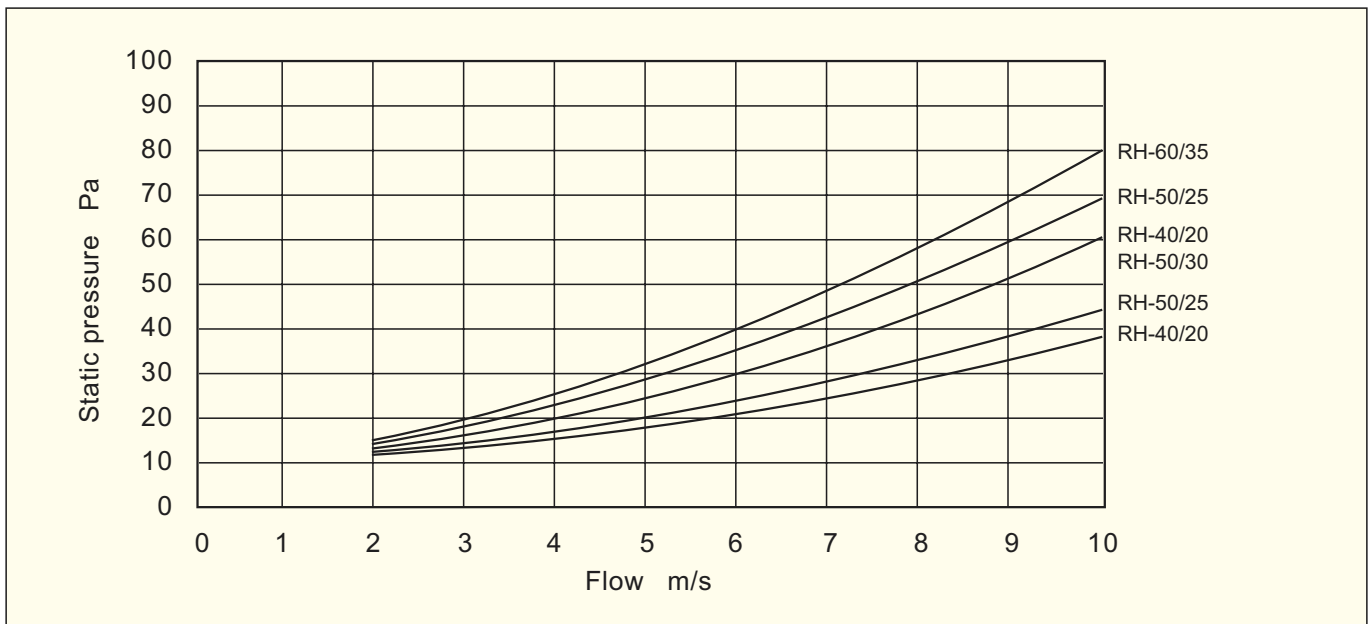
### RH - 40/20 - 90



Type	Motor power kW	Voltage V	Article number	Dimensions in mm								
				A	B	C	D	E	F	G	ØH	K
RH-40/20-45	4,5	400	113 982 424	312	398	198	420	220	440	240	9	90
RH-40/20-90	9,0	400	113 982 425	502								
RH-50/25-90	9,0	400	113 982 525	322	498	248	520	270	540	290	9	90
RH-50/25-180	18,0	400	113 982 528	532								
RH-50/30-135	13,5	400	113 982 537	532	500	298	522	320	540	338	9	90
RH-50/30-180	18,0	400	113 982 538	532	500	298	522	320	540	338	9	90
RH-60/35-225	22,5	400	113 982 635	682	600	348	622	370	640	338	9	90
RH-60/35-270	27,0	400	113 982 638	682	600	348	622	370	640	388	9	90



### Loss of air pressure through duct heater RH



### Calculation of power requirement

$$P = Q \cdot 0,36 \cdot \Delta T$$

P - Power [W]

Q - Flow [m³/h]

ΔT - rise in temperature [C]