



## Duct electrical heaters

# EKH

for round ducts

### Application

- For warming up of supply air in heating, ventilation and air conditioning systems installed in various premises.
- Compatible with Ø100 to 315 mm round air ducts.

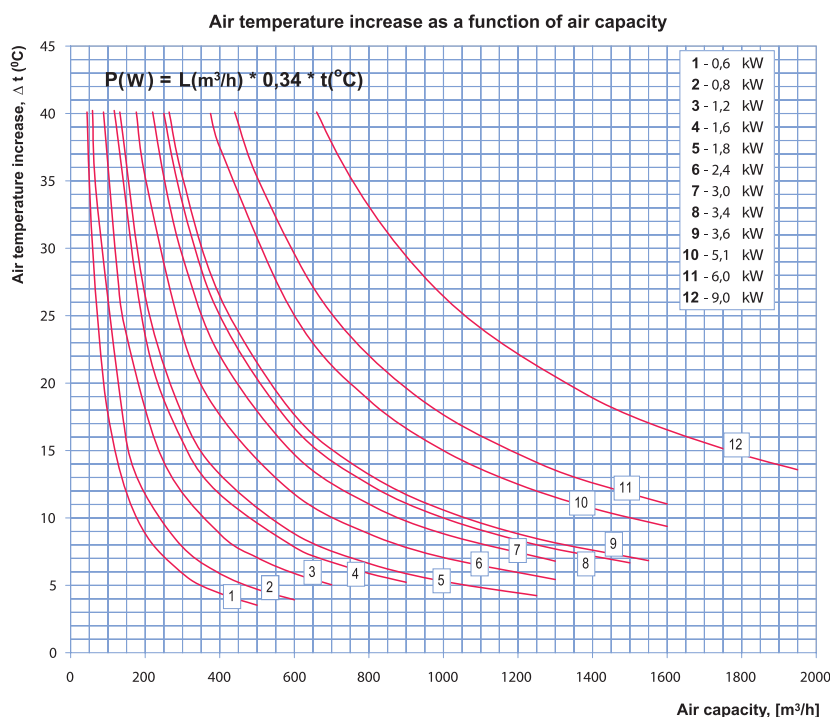
### Design

- Galvanized steel case and junction box.
- Heating elements made of stainless steel.
- Airtight connection with air ducts due to rubber seals.
- Several power options for each standard size.
- For higher heating capacity several heaters may be installed in series.
- Equipped with overheat protection thermostats:
  - basic protection with automatic restart at +50 °C;
  - emergency protection with manual restart at +90 °C.

### Mounting

- Fixing to round ducts with clamps.
- Any mounting position except for the junction box downwards to prevent condensate leakage and short circuit.
- Install a filter upstream to the heater to protect heating elements against dirt ingress.

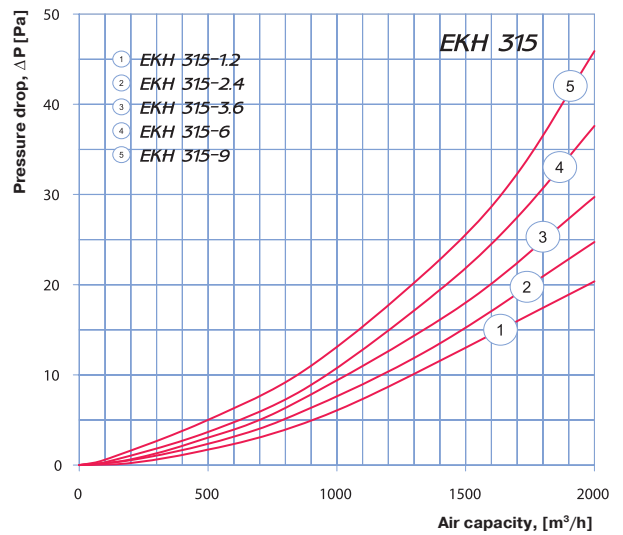
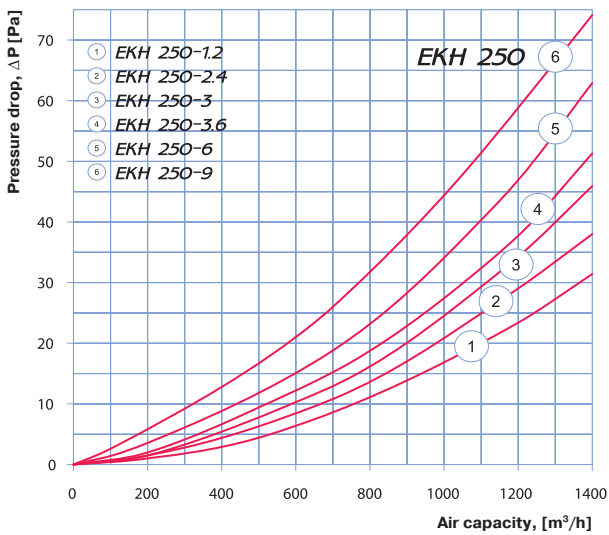
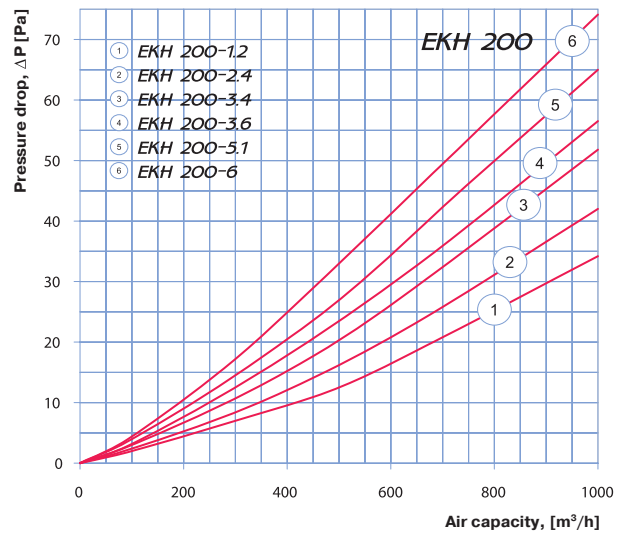
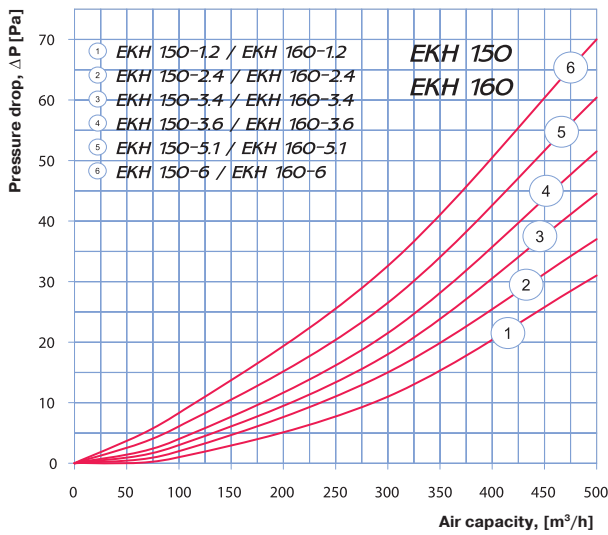
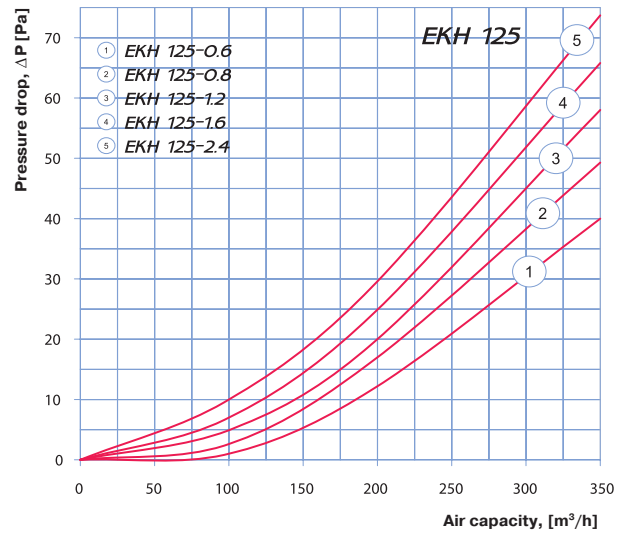
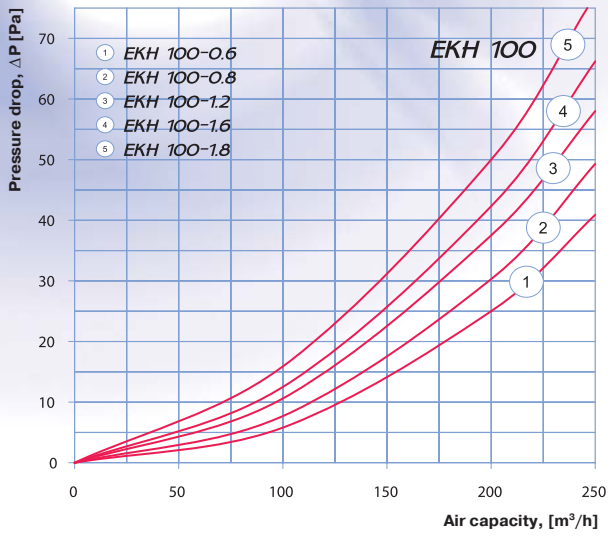
- Recommended distance between the heater and other system components must be not less than two connecting diameters for air flow stabilization.
- Duct heaters are rated for minimum air flow speed 1.5 m/s and maximum air temperature supplied to the units 40 °C. In case of speed regulation with a speed controller the minimum air speed through the heater must be provided.
- For correct and safe heater operation an automatic control and protection system is recommended including the following functions:
  - regulation of the heating capacity and temperature of the air heated up;
  - filter clogging control by a differential air pressure sensor;
  - power cut-off in case of supply fan shutdown or low air flow speed as well as in case of actuating the overheat protection thermostats;
  - heat removal from the heating elements after ventilation system shutdown.



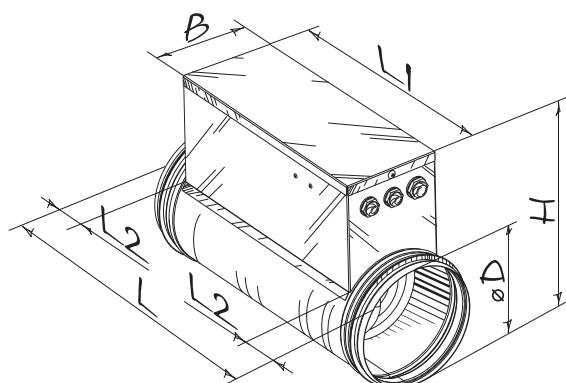
**■ Technical data**

Model	Minimum air capacity [m <sup>3</sup> /h]	Current[A]	Voltage [V]	Power [kW]	Number of heating coils x capacity [kW]	Phase
EKH 100-0.6	60	2.6	230	0.6	1x0.6	1
EKH 100-0.8	80	3.5	230	0.8	1x0.8	1
EKH 100-1.2	90	5.2	230	1.2	2x0.6	1
EKH 100-1.6	120	7.0	230	1.6	2x0.8	1
EKH 100-1.8	130	7.8	230	1.8	3x0.6	1
EKH 125-0.6	60	2.6	230	0.6	1x0.6	1
EKH 125-0.8	80	3.5	230	0.8	1x0.8	1
EKH 125-1.2	90	5.2	230	1.2	2x0.6	1
EKH 125-1.6	120	7.0	230	1.6	2x0.8	1
EKH 125-2.4	150	7.8	230	2.4	3x0.8	1
EKH 150-1.2	120	5.2	230	1.2	1x1.2	1
EKH 150-2.4	150	10.4	230	2.4	2x1.2	1
EKH 150-3.4	220	14.7	230	3.4	2x1.7	1
EKH 150-3.6	265	5.2	400	3.6	3x1.2	3
EKH 150-5.1	320	7.4	400	5.1	3x1.7	3
EKH 150-6	360	8.7	400	6.0	3x2.0	3
EKH 160-1.2	150	5.2	230	1.2	1x1.2	1
EKH 160-2.4	180	10.4	230	2.4	2x1.2	1
EKH 160-3.4	250	14.8	230	3.4	2x1.7	1
EKH 160-3.6	265	5.2	400	3.6	3x1.2	3
EKH 160-5.1	375	7.4	400	5.1	3x1.7	3
EKH 160-6	440	8.7	400	6.0	3x2.0	3
EKH 200-1.2	150	5.2	230	1.2	1x1.2	1
EKH 200-2.4	180	10.4	230	2.4	2x1.2	1
EKH 200-3.4	250	14.8	230	3.4	2x1.7	1
EKH 200-3.6	265	5.2	400	3.6	3x1.2	3
EKH 200-5.1	375	7.4	400	5.1	3x1.7	3
EKH 200-6	440	8.7	400	6.0	3x2.0	3
EKH 250-1.2	180	5.2	230	1.2	1x1.2	1
EKH 250-2.4	265	10.4	230	2.4	2x1.2	1
EKH 250-3	375	13.0	230	3.0	1x3.0	1
EKH 250-3.6	375	5.2	400	3.6	3x1.2	3
EKH 250-6	440	8.7	400	6.0	3x2.0	3
EKH 250-9	660	13.0	400	9.0	3x3.0	3
EKH 315-1.2	180	5.2	230	1.2	1x1.2	1
EKH 315-2.4	265	10.4	230	2.4	2x1.2	1
EKH 315-3.6	375	5.2	400	3.6	3x1.2	3
EKH 315-6	440	8.7	400	6.0	3x2.0	3
EKH 315-9	660	13.0	400	9.0	3x3.0	3

## Specifications



■ Overall dimensions



Type	Dimensions [mm]						Weight [kg]
	øD	B	H	L	L1	L2	
EKH 100-0.6	99	94	207	306	226	40	2.6
EKH 100-0.8	99	94	207	306	226	40	2.6
EKH 100-1.2	99	94	207	306	226	40	2.9
EKH 100-1.6	99	94	207	306	226	40	2.9
EKH 100-1.8	99	94	207	376	296	40	3.1
EKH 125-0.6	124	103	230	306	226	40	2.4
EKH 125-0.8	124	103	230	306	226	40	2.4
EKH 125-1.2	124	103	230	306	226	40	2.7
EKH 125-1.6	124	103	230	306	226	40	2.7
EKH 125-2.4	124	103	230	376	296	40	3.0
EKH 150-1.2	149	120	255	306	226	40	2.5
EKH 150-2.4	149	120	255	306	226	40	3.1
EKH 150-3.4	149	120	255	306	226	40	3.1
EKH 150-3.6	149	120	255	376	296	40	4.1
EKH 150-5.1	149	120	255	376	296	40	4.1
EKH 150-6	149	120	255	376	296	40	4.1
EKH 160-1.2	159	120	267	306	226	40	2.1
EKH 160-2.4	159	120	267	306	226	40	2.9
EKH 160-3.4	159	120	267	306	226	40	3.2
EKH 160-3.6	159	120	267	376	296	40	3.9
EKH 160-5.1	159	120	267	376	296	40	3.9
EKH 160-6	159	120	267	376	296	40	3.9
EKH 200-1.2	199	150	302	294	214	40	2.4
EKH 200-2.4	199	150	302	294	214	40	3.2
EKH 200-3.4	199	150	302	294	214	40	3.3
EKH 200-3.6	199	150	302	376	296	40	4.1
EKH 200-5.1	199	150	302	376	296	40	4.1
EKH 200-6	199	150	302	376	296	40	4.1
EKH 250-1.2	249	150	356	306	226	40	2.4
EKH 250-2.4	249	150	356	306	226	40	2.6
EKH 250-3	249	150	356	306	226	40	2.4
EKH 250-3.6	249	150	356	376	296	40	2.9
EKH 250-6	249	150	356	376	296	40	2.9
EKH 250-9	249	150	356	376	296	40	2.9
EKH 315-1.2	313	150	425	294	214	40	2.6
EKH 315-2.4	313	150	425	294	214	40	2.8
EKH 315-3.6	313	150	425	376	296	40	3.1
EKH 315-6	313	150	425	376	296	40	3.1
EKH 315-9	313	150	425	376	296	40	3.1