



Air Conditioning

X-Heat Electric Duct Heater

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X-Heat

Electric Duct Heaters



The X-Heat electric duct heater with integrated temperature control. An easy to install solution for all areas where a constant room or air supply temperature is required.

It is equipped with an integrated temperature controller and can be mounted in the ducting in almost any position.

Benefits

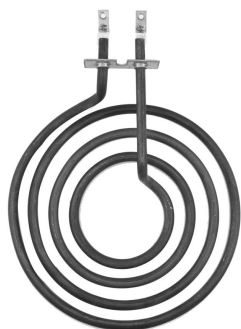
- Minimal Energy Loss
- Quick Installation
- Quality Guarantee

Options

- Airflow sensor
- Fan-off delay timer
- BMS input/output
- Remote adjustment

Applications

- Pre-heat fresh air
- Re-heat air from heat exchanger
- Room heating
- Vary individual room temperature



Design

X-Heat

Low surface temperature high-grade steel heating elements enclosed in a galvanised steel casing with integrated temperature control, equipped with an automatic temperature cut- out, resetting temperature cut out resets itself below 50°C and manual safety trip needs manual resetting above 70°C. A duct sensor and air flow monitor is also included.

	Standard	Optional
Casing	Galvanised	AISI 304, AISI 316
Heating Elements	AISI 304	AISI 316
Temp. Control	Integrated temp control, automatic cut-out	
Safety Trip	Yes	
Duct Sensor		Optional
Air Flow Monitor		Optional
Control	Standard Connection Box	Automation
Casing Leakage	Class C (EN1751)	

- Electric resistance heaters comprise of plain sheathed stainless steel mineral insulated type elements mounted in standard ISO duct sizes.
- The terminal box has knockouts for power input & signal inputs.
- A mains isolator will be required adjacent to the heater.
- Heating elements are stainless steel mineral insulated type, sized for air heating application.
- Overheat cut-out is fail safe, 120c pre-set, liquid gas type with contacts rated for direct load switching (single phase).

Capacity

X-Heat

Diameter [mm]	Min. airflow [m ³ /h]	Voltage V/50Hz]	Power [kW]	Nominal current, In [A]
100	40	1~ 230	0,3/0,6/1,0	1,4/2,8/4,3
125	70	1~ 230	0,6/1,0/1,3/1,5/1,8/2,5	1,4/4,3/5,5/6,8/8,2/10,9
160	110	1~ 230	1,3/2,0/2,5/3,0/5,0/6,0	5,5/9,1/10,9/13,0/21,7/8,7
		3~ 400		
200	170	1~ 230	1,3/2,0/2,5/5,0	5,5/9,1/10,9/21,7
		3~ 400	6	8,7
250	270	1~ 230	1,3/2,0/3,0/5,0	5,5/9,1/13,0/21,7
		3~ 400	6,0/9,0	8,7/13,0
315	415	1~ 230	6	27,27
		3~ 400	6,0/9,0/12,0	8,7/13,0/17,3
400	690	1~ 230	6	27,27
		3~ 400	6,0/9,0/12,0	8,7/13,0/17,3

*** OTHER SIZES AND MODELS AVAILABLE ON REQUEST ***

Calculation formula

$$P = 0,36 \times Q \times \rho \times C_p \times dT$$

P: Heating power (kW)

Q: Flow rate volume (m³/h)

ρ: 1,204 (kg/ m³)

C_p : -1,005 (kJ/kg)

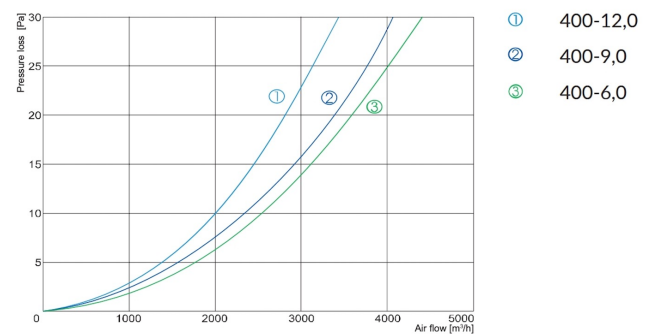
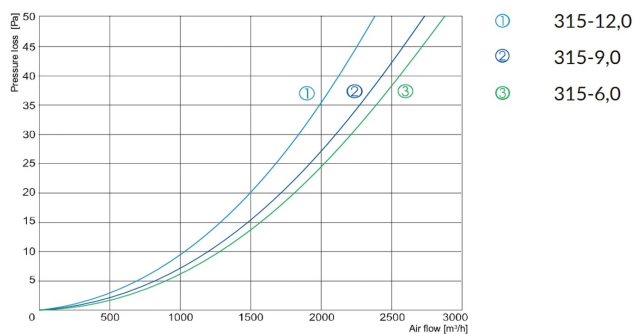
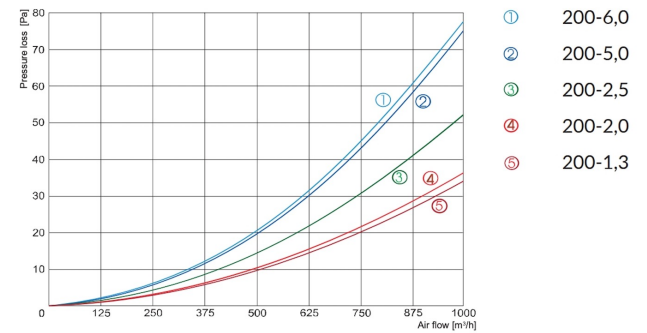
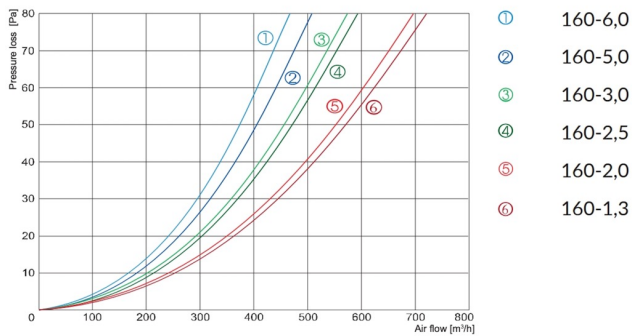
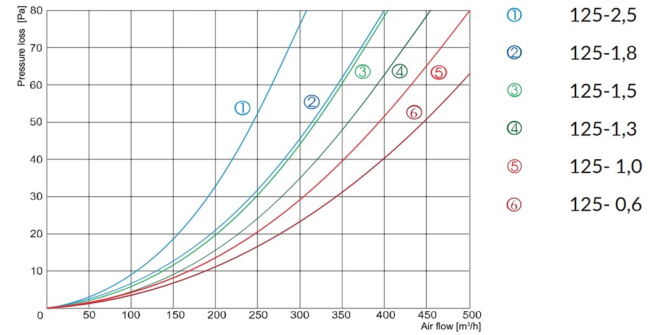
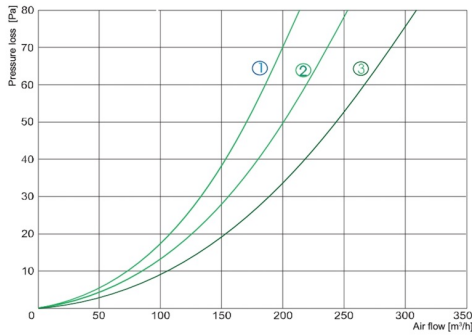
dT: Temperature difference °C

Warning !

Air speed must be at least 1,5 m/s over the heating elements. Otherwise heater will be damaged due to overheating

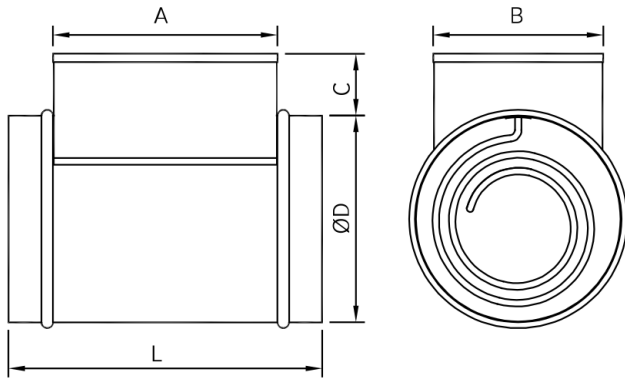
Performance data

X-Heat



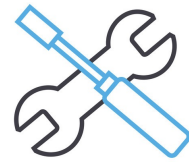
Sizes

X-Heat

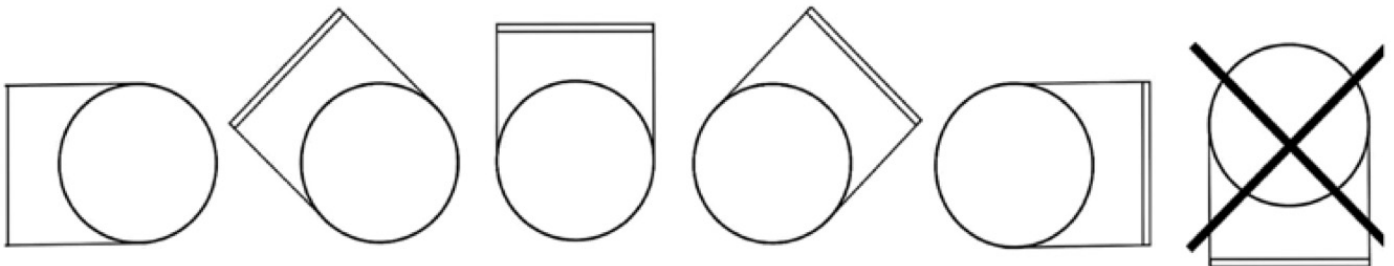
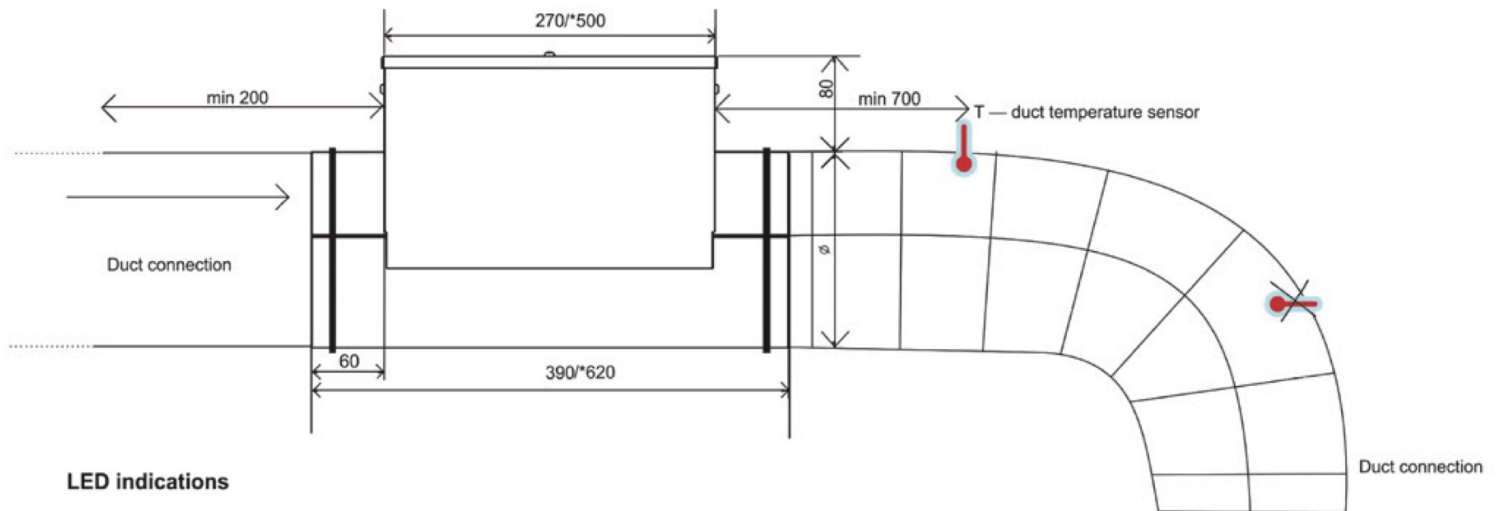


	Min	Max
Dia	100 mm	400 mm
L	390 mm	620 mm
A	270 mm	500 mm
B	200	
C	75	110

Installation



Dimension (mm.), 500-15000 W
*Dimensions (mm), 18000-24000 W





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