



Schwank EH-series

Schwank presents the EH-series: an electric air heater that can quickly heat industrial or commercial buildings, as an all-electric heating solution or as additional heating.

Characteristics of the Schwank EH series:

- Various heating outputs
- Effective heating of the room
- Modulating fan
- Even heat distribution
- Easy install

The Schwank EH is an electric air heater for industrial or commercial buildings where gas is not available. If you want to take maximum advantage of your own power generation from solar panels, the EH can also provide effective supplementary heating. Installed quickly and easily with all the benefits of air heating.

All-electric

In a gas-free location, the Schwank electric air heaters can make an excellent contribution to heating a business premises. There is a rapid heating of the room and an even temperature distribution, which leads to less energy consumption. The appliance has an efficiency of 100%: all the heat generated is distributed in the room.

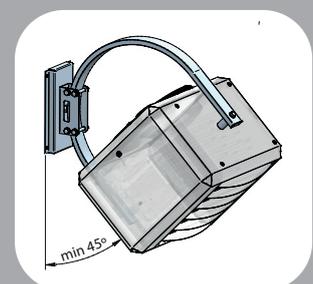
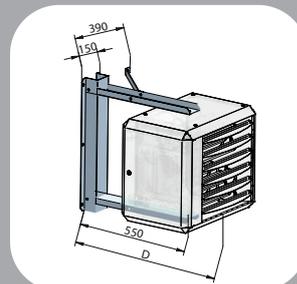
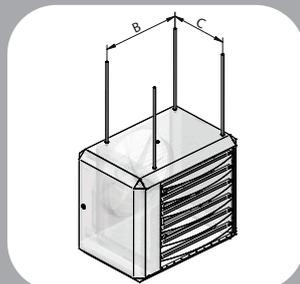
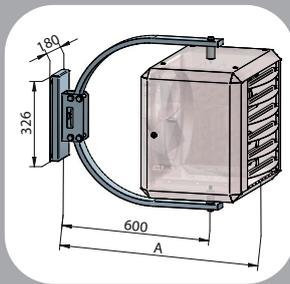
The EH can act as main heating or as supplementary heating. The 2-stage fan switches to low as soon as the room has reached the desired temperature and adds warm air as needed so that the room temperature remains stable and there is reduced draft.

Installation and suspension

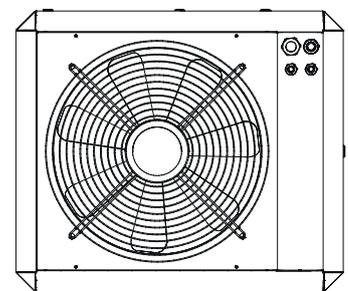
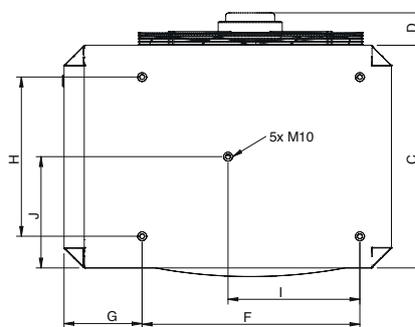
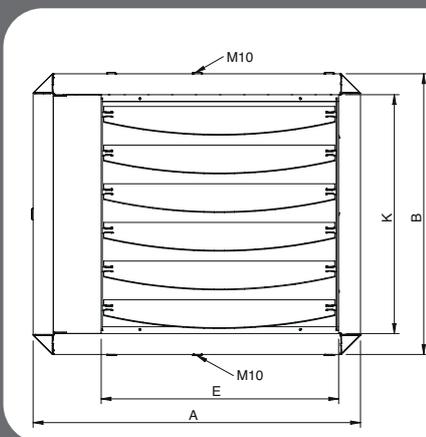
The unit can be mounted on the wall with a wall bracket or suspended from the ceiling by threaded rod. When using the design console, the heater can be tilted up to 45° to blow out at an angle and direct the airflow downwards. All EH types are equipped with horizontal louvres and can optionally be equipped with vertical louvres to widen and shorten the throw.

Unique delta-T control

To make optimum use of the heat present in the room, the EH is equipped with a so-called delta T-control. This means that if the room temperature drops too much, the fan first distributes the warm air that has accumulated in the roof space. The heating element will only activate if the room temperature remains too low. This feature minimises heat loss through the roof and reduces electricity consumption.



	A	B	C	D
EH 5-30	795	380	280	745
EH 40	845	490	380	795



Measurements

Type	A	B	C	D	E	F	G	H	I	J	K
EH 5-30	570	490	390	125	420	380	140	280	230	195	420
EH 40	650	490	530	125	490	490	100	380	325	245	420

Extensive control options

The EH air heaters can be controlled by the existing MultiTherm thermostats from Schwank. These includes many features. The thermostat regulates the modulation of the heating capacity as soon as the desired room temperature is approached. As a result, the appliance remains in operation longer and the warm air recirculates better.

MultiTherm C & MultiTherm S

The MultiTherm can control up to 8 heaters at the same time and can be placed remotely when combined with a remote sensor. It is even possible to control an EH air heater and an XR air heater with the same MultiTherm thermostat.

The MultiTherm Standard is a thermostat without time functions but modulating and equipped with functions such as fault diagnosis and interference suppression for each air heater, temperature calibration, summer ventilation. The MultiTherm Comfort is the clock thermostat with additional functions such as 10 programmable time blocks,

overtime timer, self-learning optimization, pin code blocking, etc. Both types have a simple 2-wire low-voltage connection. Both are also available with additional input relays for an external signal to manage the heat demand.

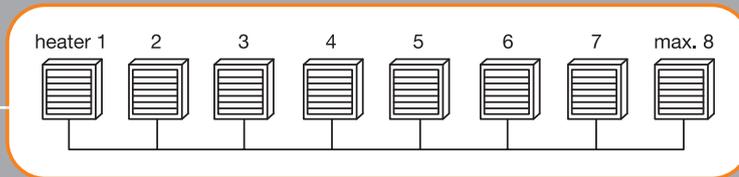
If several EH air heaters are connected to one thermostat, they will start in turn so that there is no peak load. There is also an Interface Board available which can control the heaters by a 0-10V signal and forward fault messages to a BMS. If only a 0-10V control is required, then a simple accessory set is available. Schwank also has a universal 230V. room thermostat available for simple on/off control.



MultiTherm S



MultiTherm C



Room thermostat



Remote sensor



Interface print



Technical data EH - Series								
Type	Unit	EH 5	EH10	EH15	E20	EH25	EH30	EH40
Heating capacity high	kW	5.0	9.9	15.0	19.8	24.9	29.7	39.6
Heating capacity low	kW	2.5	3.3	7.5	9.9	9.9	9.9	19.8
Electrical connection	kW	5.2	10.1	15.2	20	25.1	29.9	39.8
Maximum electrical current per phase high	A	11.9	15.	22.9	31.0	37.2	44.2	59.0
Maximum electrical current one phase*	A	22.6	44	n/a	n/a	n/a	n/a	n/a
Maximum air output (warm)	M ³ /h	3100	3100	3100	3100	3000	3000	4400
Throw	m	23	23	23	23	22	22	28
Voltage (50 Hz)*	V	400V+N						
Weight	kg	25	25	26	26	28	30	34
Sound Level (@ 5m), range	dB(A)	55-58	55-58	55-58	55-58	55-58	55-58	57-60
Min. suspension heigth horizontal throw	m	1.8	1.8	1.8	1.8	1.8	1.8	1.8

*EH 5 and EH 10 are also suitable for 1-phase connection

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