



EA
Electric fan heaters

EA

Electric fan heater for wall mounting

The EA series of electric fan heaters covers a wide range of outputs and is designed for permanent heating of warehouses, industrial premises, garages, drying rooms, etc. The simple, neat design makes the EA series also suitable for public premises, such as shops.

- 5 output variants rated from 6 kW to 30 kW
- 2 fan speeds
- Built-in temperature regulator with knob for switching from low to high fan speed and continuous/intermittent fan operation
- Air deflector for adjusting vertically the direction of outlet air flow
- Wall bracket that allows for stepless adjustment of the fan heater angle during installation

Design

The casing is made of galvanized sheet steel painted white, and the heater elements are made of stainless steel to EN 1.4541. The junction box includes equipment for automatic temperature control. Degree of protection IPX4 (splash-proof) and approved for use in humid and wet areas (e.g. drying rooms).

Installation

EA fan heaters are delivered as standard with wall brackets. If the EA is equipped with a mixing section (AWB) the fan heater can serve as a supply air unit.

Control

The fans have built-in automatic control equipment with electronic thermostat. An electronic room sensor for location anywhere in the premises senses the room temperature and ensures the best possible control accuracy.

The sensor must be ordered separately. See pages 4 and 5.

The fans are supplied with a separate selector switch (type OK2). This is used for starting/stopping the fan heater and for limiting its output.



Approvals

The duct heaters have been tested and approved by SEMKO in accordance with:

LVD Directive: EN 60335-1, EN 60335-2-30 and EN 50366

EMC Directive: EN 61000-6-2 and EN 61000-6-3

EMF Directive: EN 50366



Overview of range

Type		EA 6	EA 9	EA 14	EA 21	EA 30
Power supply	V	400V3N~	400V3N~	400V3N~	400V3N~	400V3N~
Current	A	8.8	13.1	20.4	30.5	43.5
Output	kW	6	9	14	21	30
Output steps	kW	0-3-6	0-6-9	0-7-14	0-14-21	0-20-30
Air flow rate (low- / high speed)	m ³ /h	970 / 1300	970 / 1300	1950 / 2650	1950 / 2650	2800 / 3900
Air temp. rise through heater (low- / high speed)	°C	17 / 13	26 / 19	20 / 15	30 / 22	30 / 21
Max. throw (low- / high speed)	m	10 / 13	10 / 13	11 / 15	11 / 15	12 / 16
Sound level ¹⁾ (low- / high speed)	dBA	45 / 54	45 / 54	48 / 57	48 / 57	56 / 63
Weight	kg	15	16	30	33	43
Dimensions, excl. wall bracket, W × H × D	mm	388 × 453 × 350	388 × 453 × 350	552 × 610 × 385	552 × 610 × 385	552 × 610 × 505
Dimensions, incl. wall bracket, W × H × D	mm	388 × 453 × 475	388 × 453 × 475	552 × 610 × 510	552 × 610 × 510	552 × 610 × 615
Degree of protection		IPX4	IPX4	IPX4	IPX4	IPX4

¹⁾ Measured at a distance of 5 metres in front of the unit.

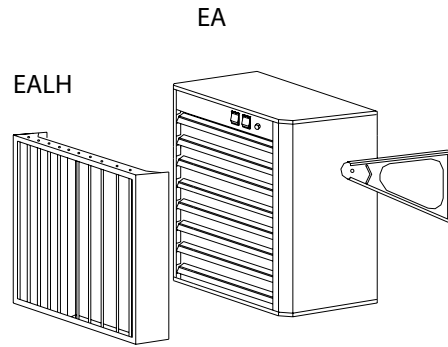
Project design/ordering

Descriptive text - EA

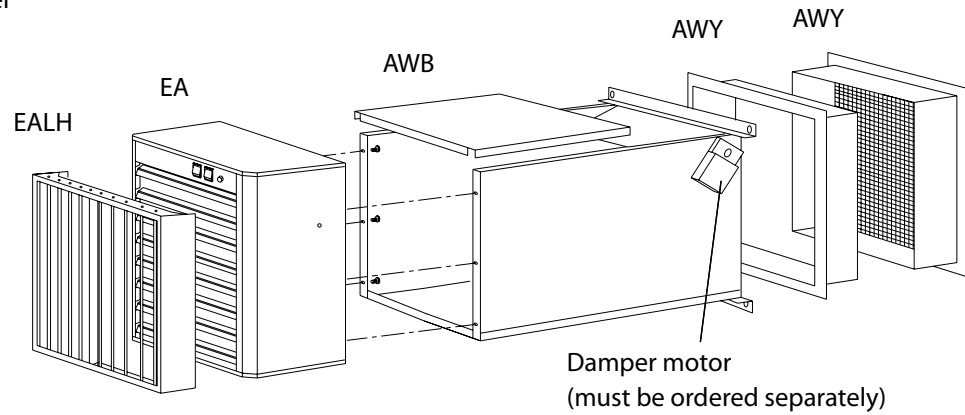
VEAB type EA electric fan heater with casing of sheet steel painted white and heater elements of stainless steel. The EA is supplied with wall brackets and external selector switch (type OK2). Control by built-in automatic thermostat (electronic) and sensor that must be ordered separately.




Accessories

EA for circulation heating



EA as an air inlet heater



Product		
	<p>Air deflector EALH Aluminium blades. Used for directing the air sideways.</p>	
	<p>Outer wall grille AWY Made of Aluzinc-coated sheet steel to AZ 185. Supplied complete with telescopic wall lead-through that fits directly onto the AWB. The AWY 11 is suitable for the EA 6 and EA 9. The AWY 22 is suitable for the EA 14, EA 21 and EA 30.</p>	<p>Dimensions of wall opening W×H mm: AWY 11 = 355 × 355 AWY 22 = 495 × 495</p>
	<p>Mixing section AWB When fitted with the AWB, the EA serves as a supply air unit and supplies the premises with heated fresh air. The mixing section is provided with anti-condensation insulation. When the unit is started, the damper is opened automatically to a preset position by a damper motor. The damper motor must be ordered separately. The AWB 11 is suitable for the EA 6 and EA 9. The AWB 22 is suitable for the EA 14, EA 21 and EA 30.</p>	<p>Overall length: AWB 11 = 430 mm AWB 22 = 880 mm</p>

Control

Alt. 1 Setpoint adjustment on the fan heater.



Control on the fan heater front as setpoint adjuster.



TG-R530 (IP30) or TG-R630 (IP54) as room sensor.

Alt.2 Combined setpoint adjuster and room sensor.



TG-R430 as setpoint adjuster and room sensor.






Alt. 3 Separate setpoint adjuster and separate sensor.



TG-R430 as setpoint adjuster.



TG-R530 (IP30) or TG-R630 (IP54) as room sensor.

	Product	Range	Degree of protection
	Room sensor TG-R430 with setpoint adjustment	0-30°C	IP30
	Room sensor TG-R530 The required temperature is set on the fan heater or the TG-R430.	Range 0-30°C	IP30
	Room sensor TG-R630 The required temperature is set on the fan heater or the TG-R430.	Range 0-30°C	IP54
	Damper motor LM 230	For AWB 11 230V ~	IP54
	Damper motor NM 230	For AWB 22 230V ~	IP54



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