



FSE

Electric Fan Convector

TECHNICAL LEAFLET

FSE

Electric Fan Convectors



The **FSE** electric fan convectors are made in 5 sizes, with heat outputs **from 3 to 8,5 kW**.

The electric coil has two-stage sealed electrical resistance made of finned steel tubes to allow two step operation.

The power supply is three phase, 400 V - 50 Hz.

The first two sizes (**up to 4,5 kW**) can also be supplied in the single-phase version.

As standard they are fitted with two speed control, room thermostat and switch for electric heater two step operation.

Version: three-phase 400 V~ (3p + N) or single-phase 230 V~.

Only for vertical installation.

Casing: in hot dip galvanised and pre-painted steel; it is easily removed for complete access to the unit.

The air outlet grill, located on the upper part of the unit, **is reversible**.

Fan assembly: made of ultra-silent double intake **centrifugal fans** with statically and dynamically balanced aluminium impellers keyed directly onto the motor shaft.

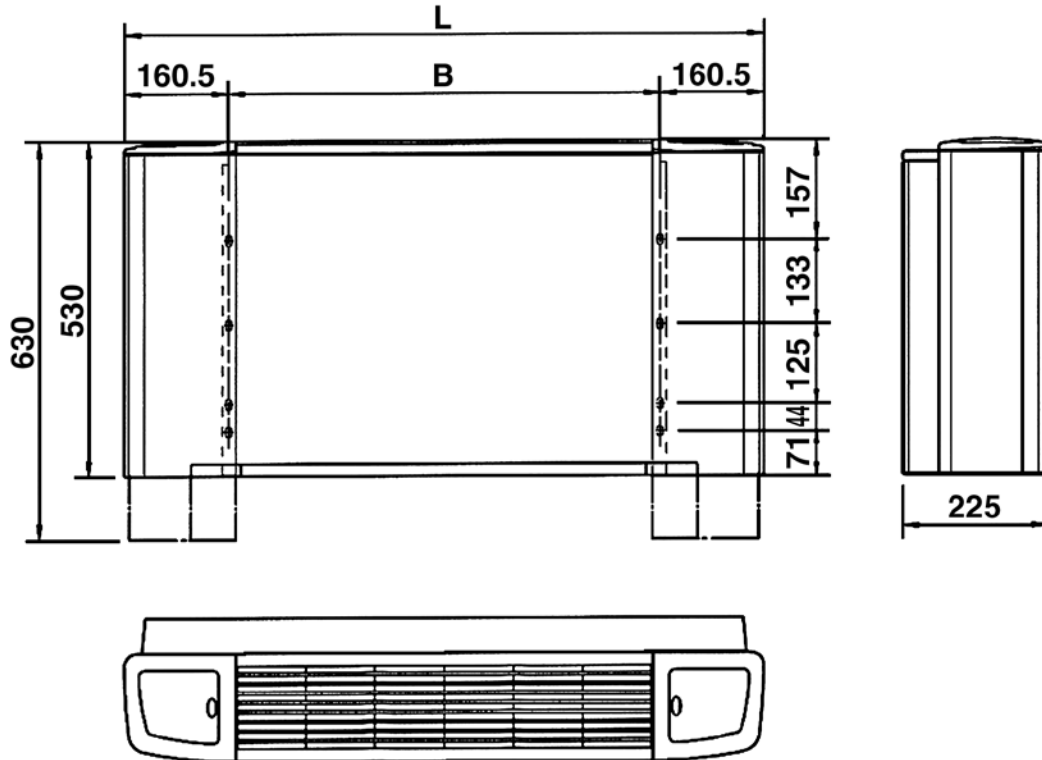
Electric motor: the motor has three speeds with capacitor, and is fitted on sealed for life bearings and is secured on anti-vibration and self-lubricating mountings. Protection IP 20, class B.

Coil: protected electrical resistances with firmed steel pipe.

The power is divided into two stages in order to allow it to operate **at partialized load**.

Electrical panel: includes all control and protection automations, auxiliary and safety circuits and the terminal board, ready for connections to the supply line.

Control: built-in control with ON-OFF switch, speed switch and room thermostat.



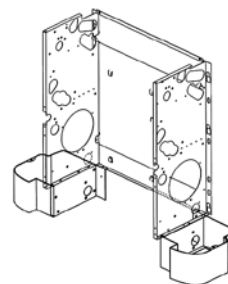
Model	Dimensions (mm)		Weight with packaging kg
	B	L	
FSE 1	454	775	27
FSE 2	669	990	31
FSE 3	884	1205	39
FSE 4	1099	1420	45
FSE 5	1099	1420	45

Model	230 V~									400 V~ (3p+N)											
	FSE 1			FSE 2			FSE 1			FSE 2			FSE 3			FSE 4			FSE 5		
Speed	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Air flow	m ³ /h																				
Heat output	kW																				
Motor output	W																				
Absorbed power (*)	A																				
Sound power	Lw	dB(A)																			
Sound pressure (**)	Lp	dB(A)																			

(*) = Figures at high power and high speed.

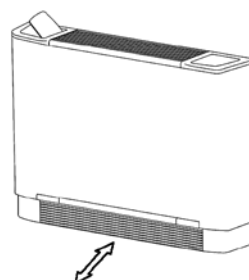
(**) = The sound pressure levels are 9 dB(A) lower than the sound power levels and apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.

PAP Feet



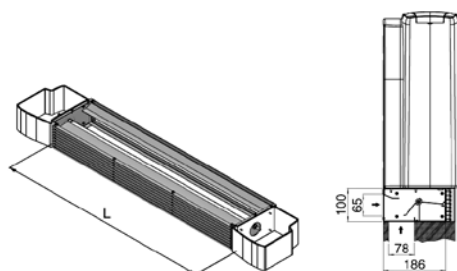
GAP Aluminium intake grid

To be installed with PAP feet.



SAE Damper for fresh air intake

(not motorizable)



Mounted fitted control

- ON-OFF switch.
- Manual 3 speed switch:
 - Fan only at low speed.
 - Low heating power at medium speed.
 - High heating power at high speed.
- Simultaneous thermostatic control of the electric heater and fan.

The unit is equipped with a manually reset safety thermostat that stops power to the electrical coil.



FSE



A company of Arbonia Group
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