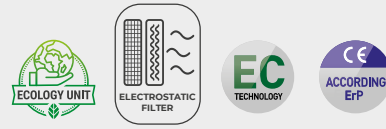


UPC/EC FE

Air purifying units with high efficiency electrostatic filters. For use in applications with greasy particles



Ventilation and purification units with high efficiency electrostatic filters and active carbon filters that are specifically designed for cleaning air in locations containing a high amount of greasy or suspended particulate matter.

Characteristics:

- 40 mm aluminium profile structure.
- Dirty filter monitoring and alarm.
- Covers with a high quality, 25 mm thick acoustic casing made of prefinished sheet.
- Backward curved impeller.
- Washable pre-filter.
- High efficiency (95% ePM₁) electrostatic filter device with built-in thermal sensor.
- Additional active carbon filter stage.
- Inspection cover for filter maintenance and replacement.
- Grease-collection tray.

Motor:

- High efficiency EC Technology motors, outer rotor adjustable via 0-10 V signal.
- Single-phase 200-240 V 50/60 Hz and three-phase 380-480 V 50/60 Hz.
- Maximum temperature of air to be carried: -25 °C +50 °C.

Finish:

- Aluminium profile and prefinished sheet steel structure with 25 mm thick thermal and acoustic insulation panels.

On request:

- Particulate matter sensor for automatic control SI-PM_{2.5}+VOC or SI-CO₂+VOC.
- Negative ion ioniser.

Order code

UPC/EC FE – 400

UPC/EC FE: Air purifying units with high efficiency electrostatic filters. For use in applications with greasy particles

Impeller diameter in mm

Filter characteristics

ELECTROSTATIC FILTER	ePM ₁				ACTIVE CARBON FILTER	EN 779 Em	EN 1822	ISO 16890				
	95%	90%	80%	70%				ISO ePM ₁	ISO ePM _{2.5}	ISO ePM ₁₀	ISO COARSE	
Filtration class EN 779	-	-	F9	F8	F7							
Air speed (m/s)	1	2	2.5	3	4							
Air flow capacity (%)	40	50	65	75	100							
Pressure drop (Pa)	10	17	24	37	64							
						FCA	90%	-	-	-	-	60%

Technical characteristics

Model	Recommended effective working area (m ²) ¹		Speed (r/min)	Power (W)	Power supply	Sound pressure level at 50% of max speed. ² (dB (A))	Maximum flow rate (m ³ /h)		Approx. weight (Kg)
	Grease particles	Dry particles					Grease particles	Dry particles	
UPC/EC FE-310	65	85	1920	175	200-240V 50/60Hz 1Ph	47	525	700	60
UPC/EC FE-400	195	245	1550	460	200-240V 50/60Hz 1Ph	47	1575	2000	111
UPC/EC FE-500	315	385	1250	1150	380-480V 50/60Hz 3Ph	51	2550	3120	184

¹Recommended effective working area with a 3-meter-high premises.

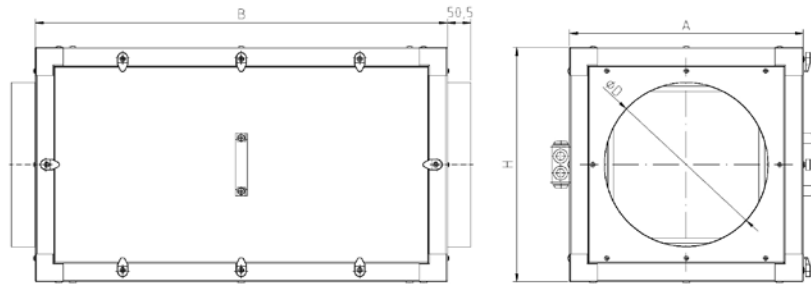
²Irradiated sound pressure level in dB(A) at a distance of 3 m.



Erp. (Energy Related Products)

Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Dimensions mm

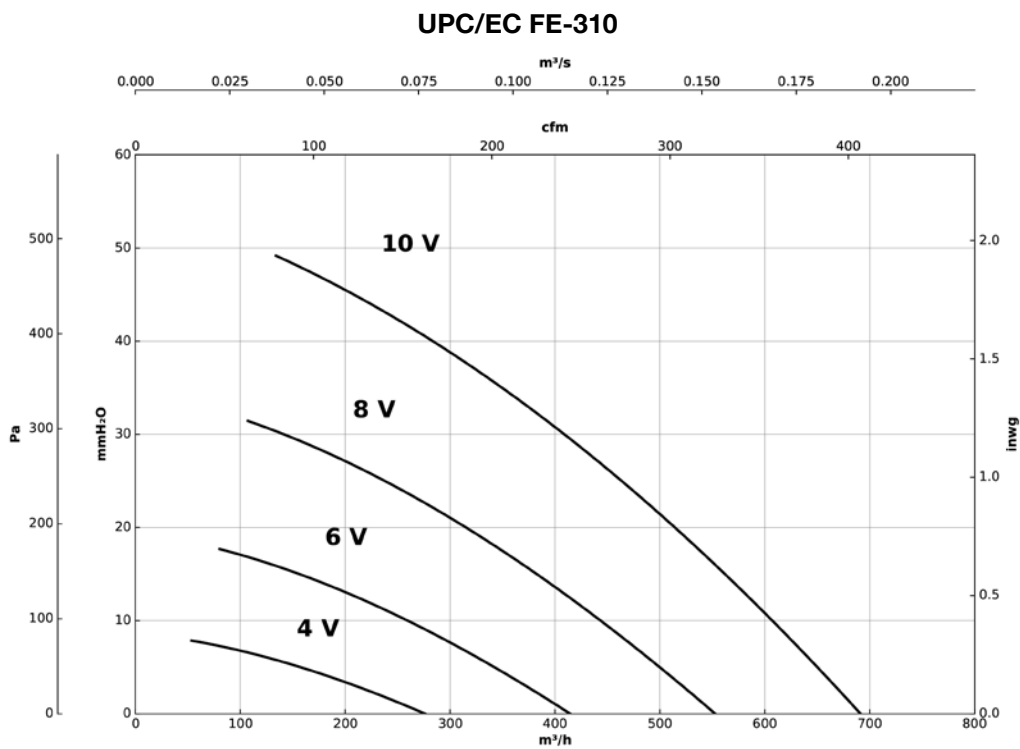


	A	B	H	øD
UPC/EC FE-310	500	880	500	350
UPC/EC FE-400	700	1080	700	450
UPC/EC FE-500	900	1280	900	500

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg



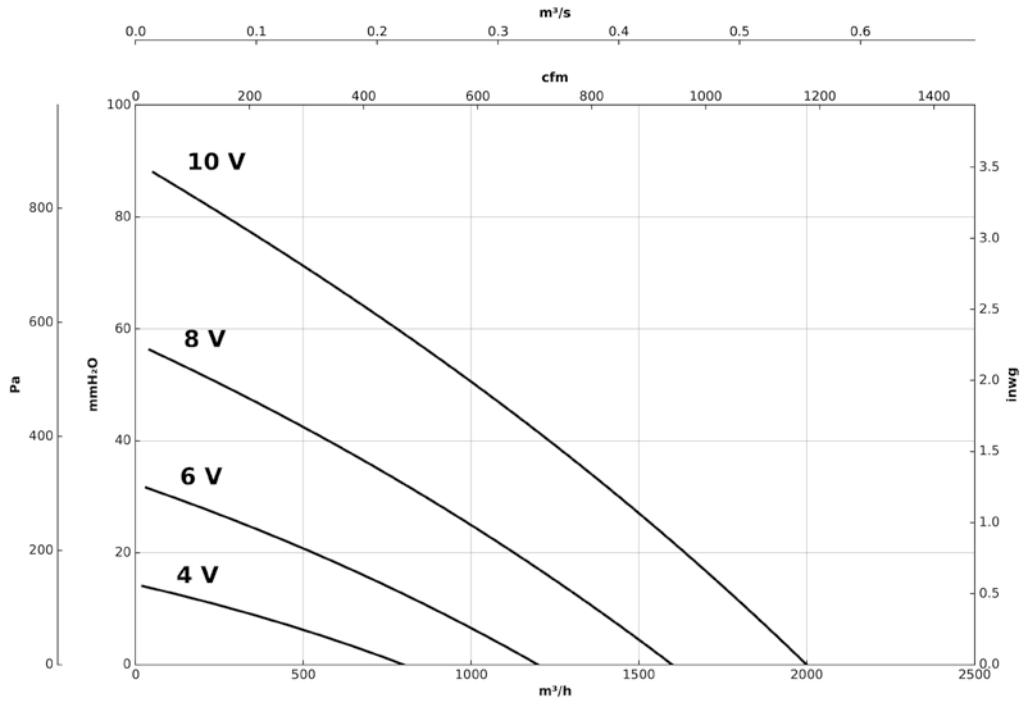
FILTRATION AND DISINFECTION UNITS

Characteristic curves

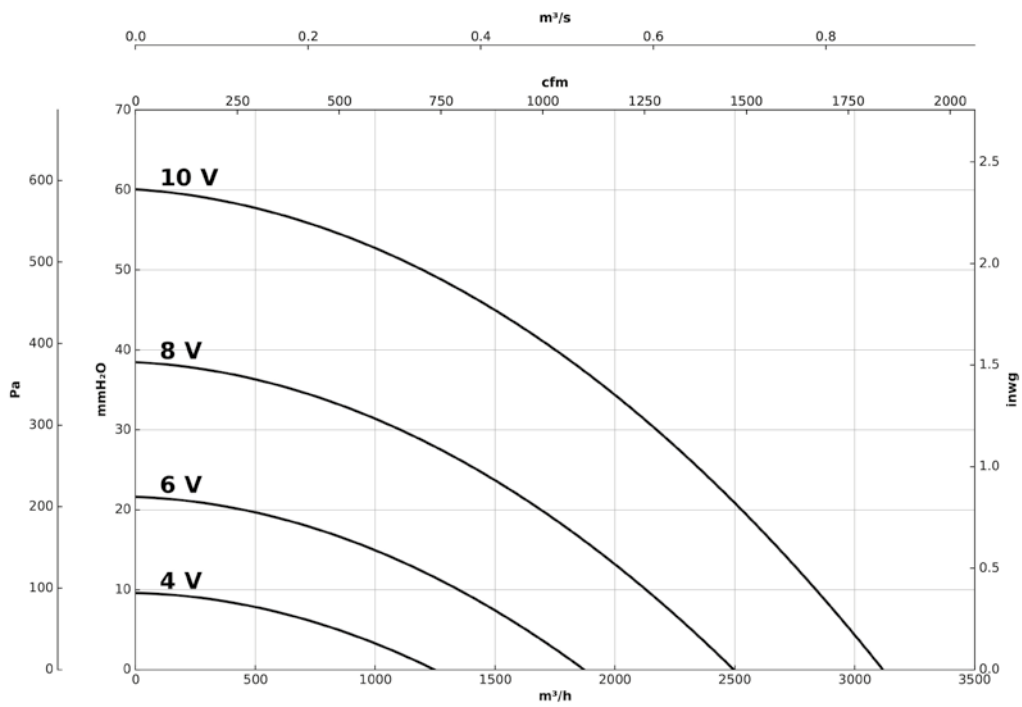
Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg

UPC/EC FE-400



UPC/EC FE-500



Accessories



MF

MCA

MFE

MPCO