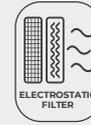


# UPM/EC FE

Mobile air purifying units with high-efficiency electrostatic filters. For use in applications with greasy particles



Air purifier units with high efficiency electrostatic filters, specifically designed for cleaning and purifying indoor areas where large amounts of grease or suspended particulate matter can be present.

#### Characteristics:

- 40 mm aluminium profile structure.
- Wheel kit.
- Plug & Play system with integrated control.
- Adjustable filter change 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 +60 °C.

#### Finish:

- Structure of anodised aluminium profiles and pre-lacquered sheet metal with 25 mm thermal and acoustic insulation panels.

#### On request:

- Negative ion ioniser.
- Particulate matter sensor for automatic control SI-PM2.5+VOC or SI-CO2+VOC.

## Order code

**UPM/EC FE – 310**

UPM/EC FE: Mobile air purifying units with high-efficiency electrostatic filters. For use in applications with greasy particles

Impeller diameter in mm

## Filter characteristics

ELECTROSTATIC FILTER	ePM <sub>1</sub>				
	95%	90%	80%	70%	
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

ACTIVE CARBON FILTER	EN 779	EN 1822	ISO 16890			
	Em		ISO ePM <sub>1</sub>	ISO ePM <sub>2.5</sub>	ISO ePM <sub>10</sub>	ISO COARSE
FCA	90%	-	-	-	-	60%

## Technical characteristics

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

<sup>1</sup>Recommended effective working area with a 3-meter-high premises.

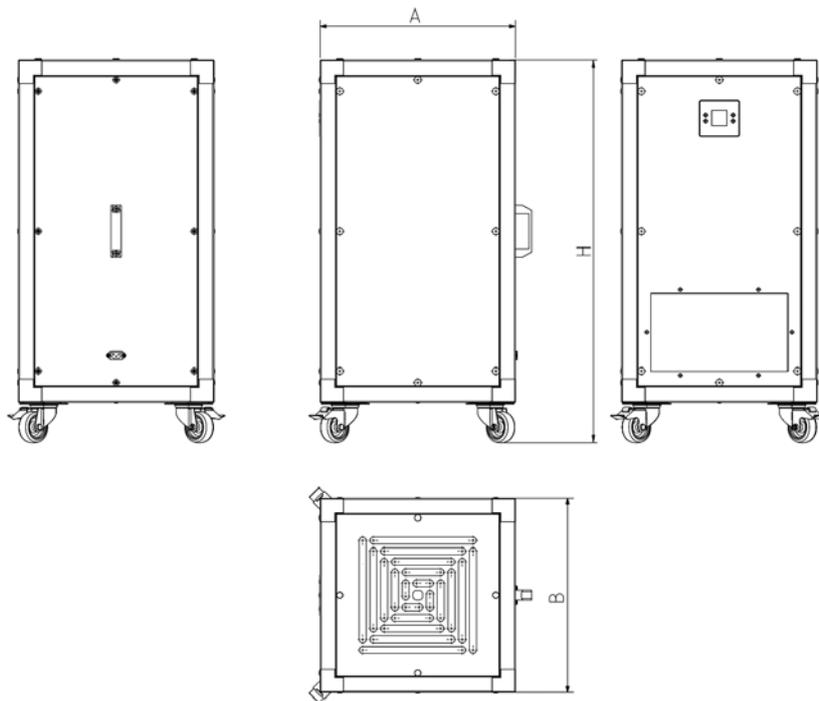
<sup>2</sup>Irradiated sound pressure level in dB(A) at a distance of 3 m.



## Erp. (Energy Related Products)

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

### Dimensions mm



	<b>A</b>	<b>B</b>	<b>H</b>
UPM/EC FE-310	500	500	985
UPM/EC FE-400	701	701	1186
UPM/EC FE-500	901	901	1386