

UPM/EC

Mobile air purifying units, designed for cleaning, odor removal and indoor air purification in any type of premises



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.
- Dishwasher safe pre-filter.
- Filtration stages, depending on model:
 - F9.
 - HEPA H14.
- Active carbon filter for odour removal.
- Inspection cover for filter maintenance and replacement.
- Germicidal chamber with UVC ultraviolet lamps (256 nm), depending on model.

Motor:

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

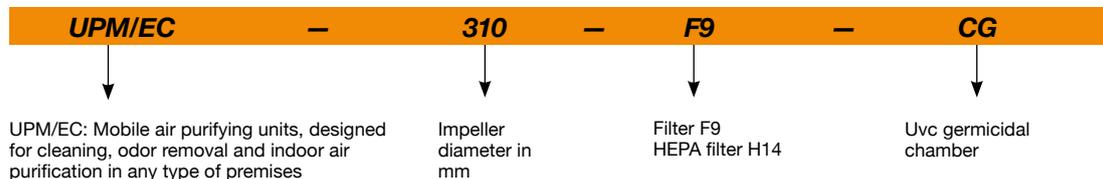
Finish:

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

On request:

- Particle sensor for automatic control.
- Different stages of filtration.

Order code



Filter characteristics

Filters	EN 779 Em	EN 1822	ISO 16890			
			ISO ePM ₁	ISO ePM _{2,5}	ISO ePM ₁₀	ISO COARSE
F9	95%	-	>80%	>95%	>95%	-
HEPA H14	-	>99.995%	-	-	-	-

Technical characteristics

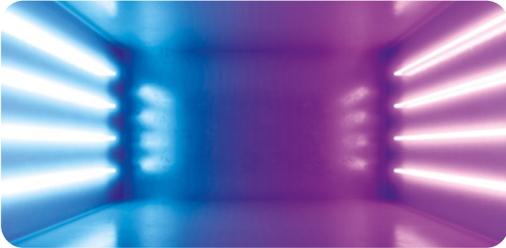
Model	Recommended effective working area ¹ (m ²)		Speed (r/min)	Maximum power (W)	Power supply	Sound pressure level at 50% of max speed. ² dB (A)	Maximum flow rate (m ³ /h)		Approx. weight (Kg)
	Filters (F9)	Filters (H14)					Filters (F9)	Filters (H14)	
UPM/EC-310	65	55	1920	175	200-240V 50/60Hz 1Ph	47	550	450	55
UPM/EC-310/H	115	90	2377	450	200-240V 50/60Hz 1Ph	55	950	750	57
UPM/EC-400	190	155	1550	460	200-240V 50/60Hz 1Ph	47	1600	1300	69

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

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

Technical characteristics of the UVC germicidal chamber

According to the model, these purification units can integrate a germicidal chamber, built with UVC ultraviolet lamps in a 256 nm spectrum, a wave width indicated to inactivate a wide variety of microorganisms by absorbing short wavelength energy through DNA and RNA.



Model	Number of lamps	Total electrical power (W)	Total Uvc radiation power (W)	Radiation dose (mJ/cm ²) *
UPM/EC-310	6	54	16.8	6.7
UPM/EC-310/H	6	54	16.8	4.5
UPM/EC-400	4	102	28	5.4

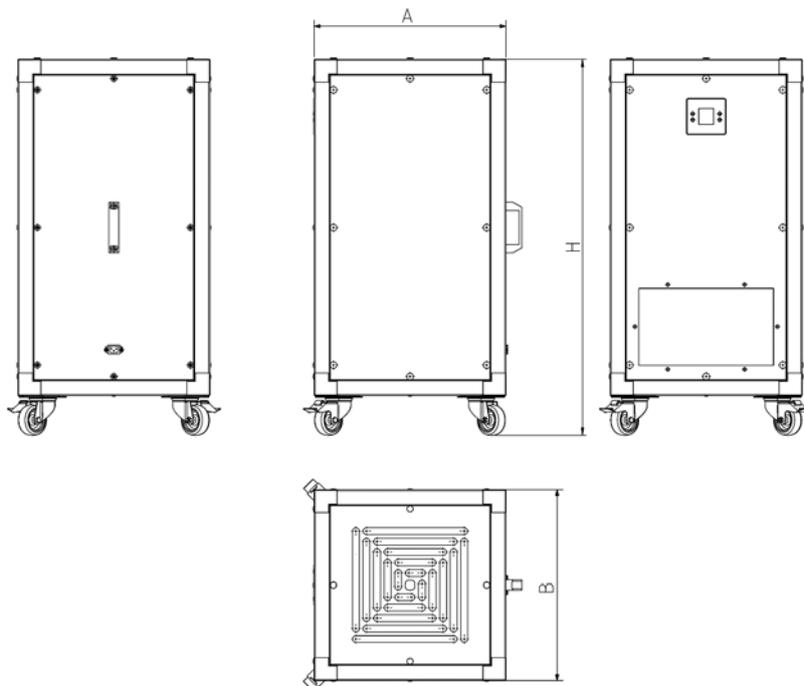
*Minimum dose calculated based on flow with filters: H14.



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
UPM/EC-310	500	500	985
UPM/EC-400	701	701	1186