AIRVISION COMFORT

CERTIFIED TECHNOLOGY 100% EFFECTIVE ACCORDING TO EN 14476 STANDARD

UPH/EC

MOBILE AIR PURIFICATION UNITS

- PLUG & PLAY SYSTEM WITH AUTOMATIC CONTROL
- UVC GERMICIDAL CHAMBER
- 2 STAGES OF FILTRATION
- IDEAL FOR ANY BUSINESS
- LOW ENERGY MOTOR WITH EC TECHNOLOGY
- 25 MM THICK ACOUSTIC CASING

SODECA

CG WE BET ON UVc TECHNOLOGY TO BEAT THE VIRUS

EC TECHNOLOGY

CE ACCORDING ErP

FILTRATION STAGES

FCA + F9

FCA + HEPA H14

UPH/EC

UPH/EC air purification units are designed for cleaning and purifying air and eliminating odours **in high occupancy areas where low noise and versatility are important.**

ENERGY SAVING

The guide vanes at the air intake prevent air turbulence, which together with a dynamic pressure balance chamber, optimise the unit's efficiency.

The High Performance EC Technology electrical motor, is a key factor for reducing electrical consumption. It is also easily regulated with any 0-10 V device.

LOW NOISE LEVEL

The 25mm thick acoustic casing reduces noise through the use of high-quality insulating materials designed for these applications, making it the perfect fan to use in areas that require low noise levels.

DURABILITY

This product is designed with pre-lacquered panels and anodized aluminium profiles, extending product lifetime and making it suitable for high corrosion application areas.

EASY TO INSTALL AND MAINTAIN

The inspection cover is used for quick access for cleaning the impeller and replacing the filters.

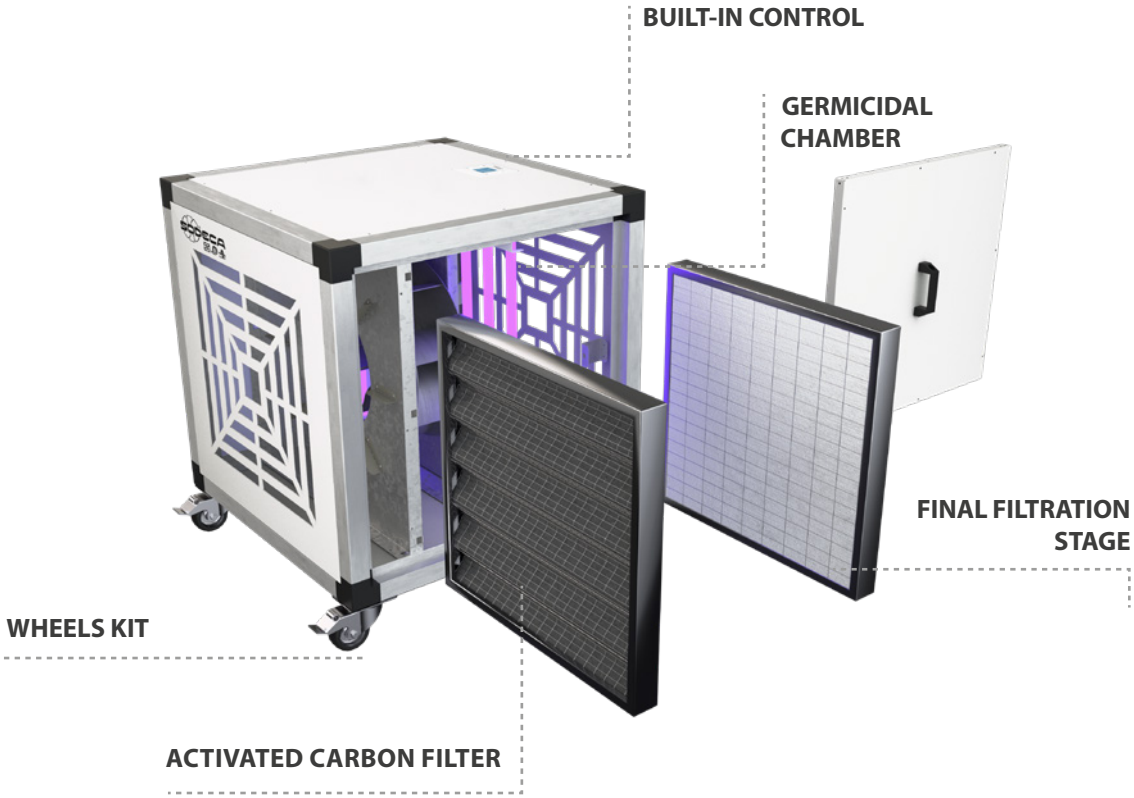
F

FILTRATION STAGES

Includes F9 or HEPA H14 filter stages depending on the model and an Active CA Filter for odour elimination, providing an excellent filtration performance.

BUILT-IN CONTROL SYSTEM

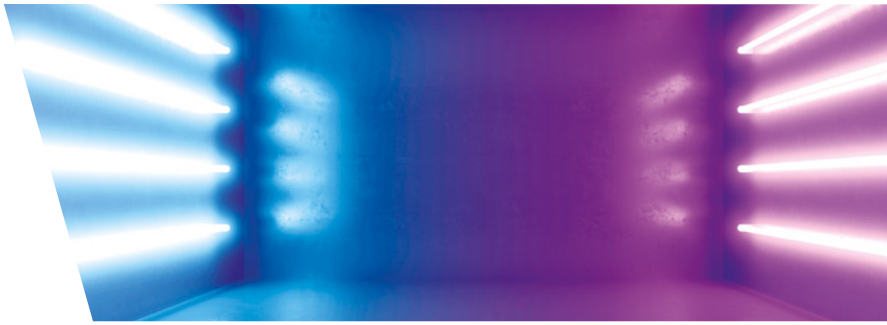
· Fan ON/OFF
· Adjustable flow 0%-100%
· Germicidal chamber ON/OFF
· Time control
. Filter replacement indicator
· Automatic operation



CG

GERMICIDAL CHAMBER

Depending on the model, these purification units can incorporate a germicidal chamber that utilises UVc ultraviolet lamps.



UPH/EC

Mobile air purifying units

Mobile air purification units with EC Technology motors and a 25 mm thick acoustically insulated casing to reduce noise.

Characteristics:
- 40 mm aluminium profile structure.
- Wheel kit.
- Plug & Play system with integrated control.
- Covers with a high quality, 25 mm thick acoustic casing made of prefinished sheet.
- Backward curved impeller.
- Filtration stages, depending on model:
- F9.
- HEPA H14.
- Active carbon filter for odour removal.
- Adjustable filter change alarm.
- Germicidal chamber with UVc ultraviolet lamps (256 nm), depending on model.
- Inspection cover for filter maintenance and replacement.
- Air inlet nozzle with diffusers that increase the efficiency of the fan.

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 ºC +60 ºC.

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

UPH/EC	—	310	—	F9	—	CG
UPH/EC: Mobile air purifying units		Impeller diameter in mm		Filter F9 HEPA filter H14		Uvc germicidal chamber

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

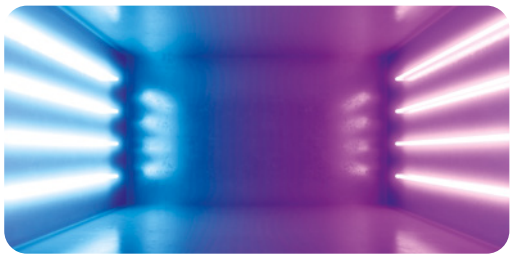
Model	Recommended effective working area[1] (m^2)		Speed	Maximum power	Power supply	Sound pressure level at 50% of max speed.[2]	Maximum flow rate (m^3/h)		Approx. weight
	Filters (F9)	Filters (H14)	(r/min)	(W)		dB (A)	Filters (F9)	Filters (H14)	(Kg)
UPH/EC-220	50	-	3265	176	200-240V 50/60Hz 1Ph	48	420	-	32
UPH/EC-250	60	-	2850	180	200-240V 50/60Hz 1Ph	49	500	-	33
UPH/EC-310	65	55	1920	175	200-240V 50/60Hz 1Ph	47	550	450	34
UPH/EC-400	190	155	1550	460	200-240V 50/60Hz 1Ph	47	1600	1300	68

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

[2] Irradiated 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/cm²) *
UPH/EC-220	6	54	16.8	7.2
UPH/EC-250	6	54	16.8	6.0
UPH/EC-310	6	54	16.8	6.7
UPH/EC-400	4	102	28	5.4

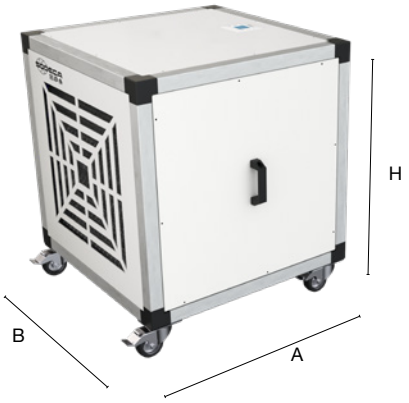
Minimum dose calculated based on the maximum flow rate.

CE ACCORDING ErP

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
UPH/EC-220	500	542	642
UPH/EC-250	500	542	642
UPH/EC-310	500	542	642
UPH/EC-400	700	742	842

Data subject to change without prior notice.