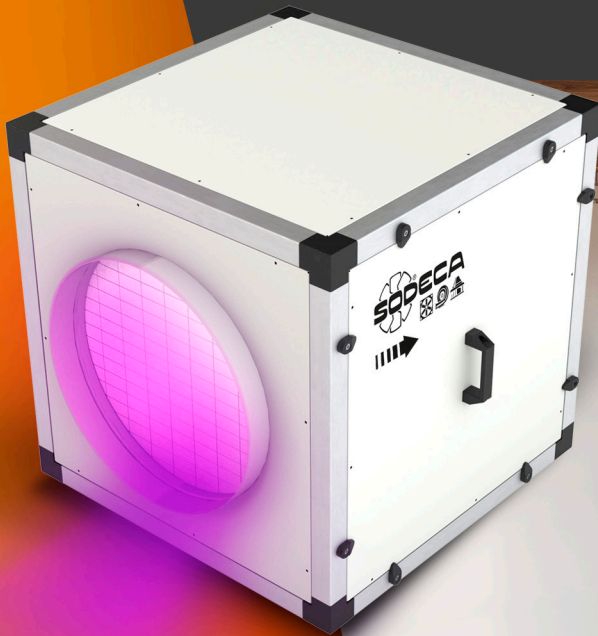


UVc GERMICIDAL
ULTRAVIOLET
CHAMBER

CJK/FILTER-EC

AIR PURIFYING UNITS

- PURIFIES INDOOR AIR
- DIFFERENT STAGES OF FILTERING
- UVc GERMICIDAL CHAMBER
- IDEAL FOR RETAIL AND OTHER PREMISES
- E.C. MOTOR TECHNOLOGY WITH LOW POWER CONSUMPTION
- 25 MM ACOUSTIC CASING



FILTRATION
STAGE



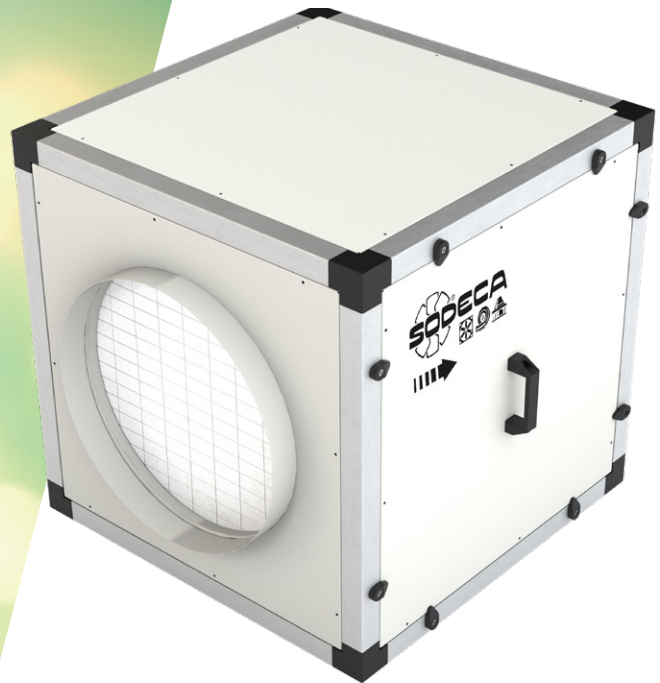
CJK/FILTER/EC

The CJK / FILTER / EC air purifying units have been designed for the movement, cleaning, odour removal and purification of air, **in high occupancy areas with high demands on soundproofing and versatility.**



ENERGY SAVING

The air inlet aperture has been designed to aid laminar air flow which, together with a dynamic pressure balancing chamber, helps to optimise efficiency.



LOW SOUND LEVEL

The 25mm thick noise reducing outer panels use bespoke, high quality insulating materials and make this ideal equipment for installation in areas where a low noise level is required.



DURABILITY

The outer panels of these units are made of pre-finished sheet metal with 40mm aluminium structural frames to maximise the life of the equipment, allowing it to be installed in outdoors corrosive areas. The installation of a rain cover is recommended to prevent entry of water.



EASE OF INSTALLATION AND MAINTENANCE

The access door allows quick access to clean the impeller and replace filters.

F

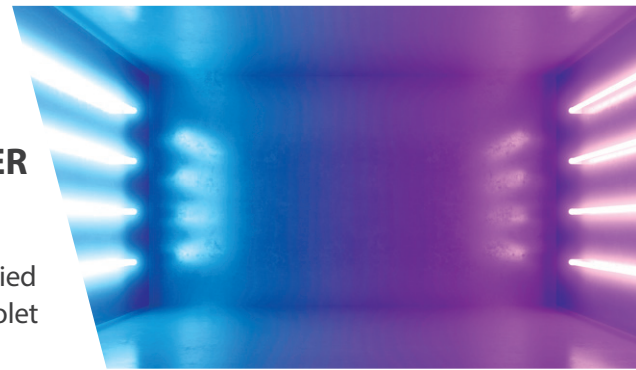
FILTRATION STAGES

The units incorporate two stages of F7 + F9 or F7 + HEPA H14 filtration, depending on the model, as well as an activated carbon filter for the elimination of odours, giving a combination with excellent filtration performance.

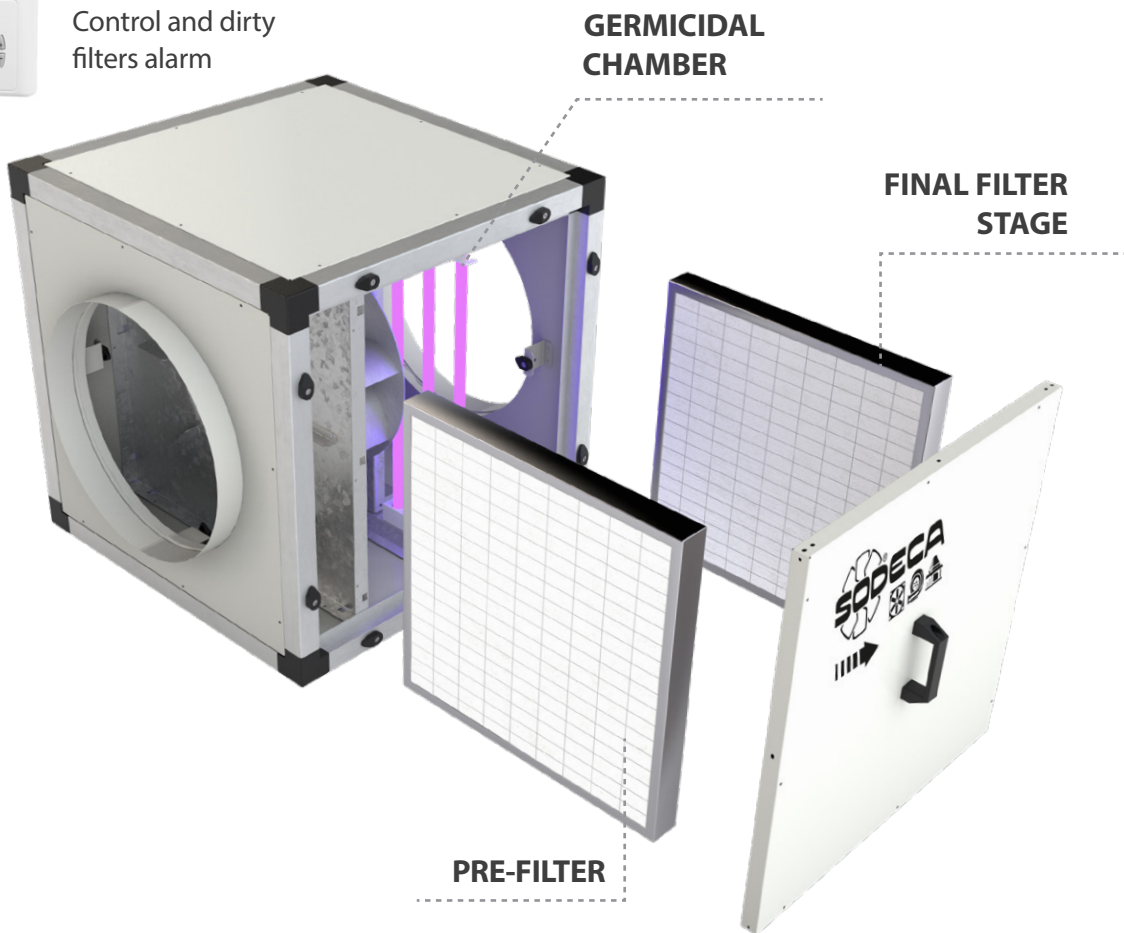
CG

GERMICIDAL CHAMBER

Depending on model, these purification units can be supplied with an integrated UVc ultraviolet germicidal chamber.

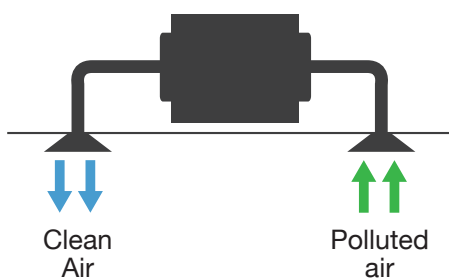


Control and dirty filters alarm

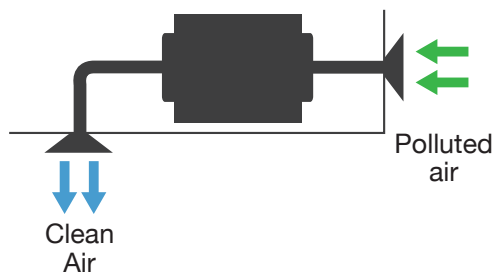


EXAMPLE OF APPLICATION

Indoor air purification



Capturing and purifying outdoor air



CJK/FILTER/EC



Air purifying units for circular ducts, with 25mm acoustic panels for noise reduction and E.C. motor Technology.



Characteristics:

- Frame made from 40mm profile aluminium.
- Outer panels made of 25 mm thick, high quality acoustic insulation, and pre-finished sheet metal.
- Backward curved impeller.
- Standard flanges on intake and discharge sides to facilitate installation in ducts.
- Filtration stages according to model:
 - F7 + F9
 - F7 + HEPA H14
 - Activated carbon filter odour removal.
- Control and alarm of dirty filters.
- Germicidal chamber with UVc (256 nm), depending on model.
- Inspection cover for maintenance and replacement of filters.

- Air inlet with diffusers to increase the efficiency of the fan.

Engine:

- High efficiency E.C. technology, external rotor motor, controllable by 0-10V signal.
- Single phase 200-240V– 50 / 60Hz and three phase 380-480V– 50 / 60Hz.
- Air temperature range of -25°C to +60°C.

Finish:

- Aluminum profile frame and pre-finished sheet metal with 25mm thick acoustically insulated panels.

On demand:

- Automatic control system.

Order code

CJK/FILTER/EC – 220 – F7+F9 – CG

Air purifying units for circular ducts

Impeller diameter in mm

Filter F7 + F9
Filter F7 + HEPA H14

Germicidal UVc chamber

Filters characteristics

Filters	EN 779 Em	EN 1822	ISO 16890			
			ISO ePM ₁	ISO ePM _{2,5}	ISO ePM ₁₀	ISO COARCE
G4	90%	-	-	-	-	>90%
F7	90%	-	>50%	>65-95%	>85%	-
F9	95%	-	>80%	>95%	>95%	-
HEPA H14	-	>99,995%	-	-	-	-

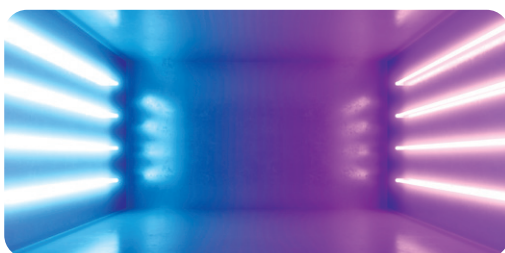
Technical characteristics

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 (m ³ /h)		Weight (kg)
	Filters (F7+F9)	Filters (F7+H14)					Filters (F7+F9)	Filters (F7+H14)	
CJK/FILTER/EC-220	85	-	3265	176	200-240V 50/60Hz 1Ph	36	850	-	32
CJK/FILTER/EC-250	120	-	2850	180	200-240V 50/60Hz 1Ph	38	1225	-	33
CJK/FILTER/EC-310	140	50	1920	175	200-240V 50/60Hz 1Ph	29	1450	510	34
CJK/FILTER/EC-400	220	130	1550	460	200-240V 50/60Hz 1Ph	38	2200	1300	68
CJK/FILTER/EC-500	300	325	1250	1150	380-480V 50/60Hz 3Ph	36	2990	3250	118

¹ Recommended effective area with premises 3 meters high. ² Radiated sound pressure level in dB (A) at 1.5 m distance at maximum flow.

Technical characteristics of the UVc germicidal chamber

Depending on model, these purification units can integrate a germicidal chamber, built on the basis of UVc ultraviolet lamps in a 256 nm spectrum, a wave amplitude indicated to inactivate a wide variety of microorganisms by absorbing short wavelength energy through DNA and RNA. For specific types of viruses or bacteria that are affected by the radiation dose from the germicidal chamber, consult the specific document.



Model	Number of lamps	Total electric power (W)	Total UVc radiation power (W)	Radiation dose* (mJ/cm ²)
CJK/FILTER/EC-220	6	66	16,8	6,0
CJK/FILTER/EC-250	6	66	16,8	5,8
CJK/FILTER/EC-310	6	66	16,8	5,9
CJK/FILTER/EC-400	4	100	28	5,6
CJK/FILTER/EC-500	6	150	42	4,5

*Minimum dose calculated based on flow with F7HEPA H14 filters



Erp. (Energy Related Products)

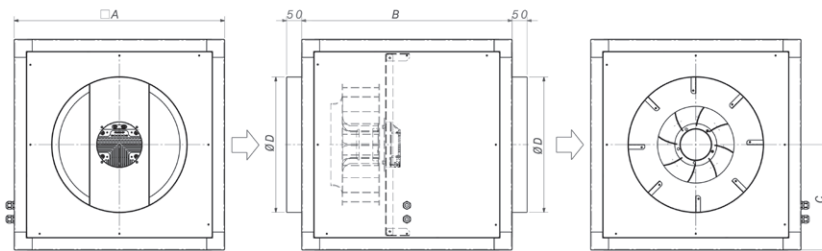
Information on Directive 2009/125 / EC downloadable from the SODECA website or QuickFan selection program.

Acoustic characteristics

Sound power spectrum L_w (A) in dB (A) per frequency band in Hz. Values irradiated at maximum speed and average flow.

Model	63	125	250	500	1000	2000	4000	8000
CJK/FILTER/EC-220	50	50	43	50	44	42	45	45
CJK/FILTER/EC-250	46	44	43	45	55	35	34	30
CJK/FILTER/EC-310	30	44	33	32	44	25	24	19
CJK/FILTER/EC-400	37	52	41	42	34	29	27	27
CJK/FILTER/EC-500	30	42	45	50	50	50	47	41

Dimensions mm



Model	A	B	C	ØD
CJK/FILTER/EC-220	500	500	250	315
CJK/FILTER/EC-250	500	500	250	355
CJK/FILTER/EC-310	500	500	250	355
CJK/FILTER/EC-400	700	700	350	450
CJK/FILTER/EC-500	900	900	450	500

Accessories

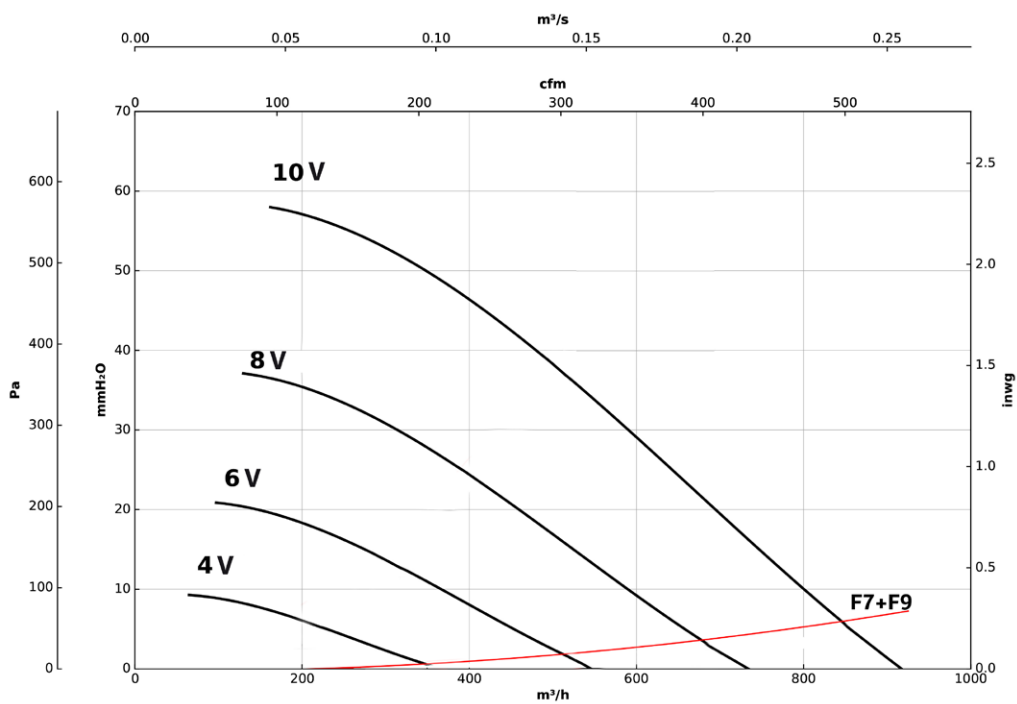


Characteristic curves

Q= Flow in m³/h, m³/s and cfm.

Pe= Static pressure in mmH₂O, Pa and inwg.

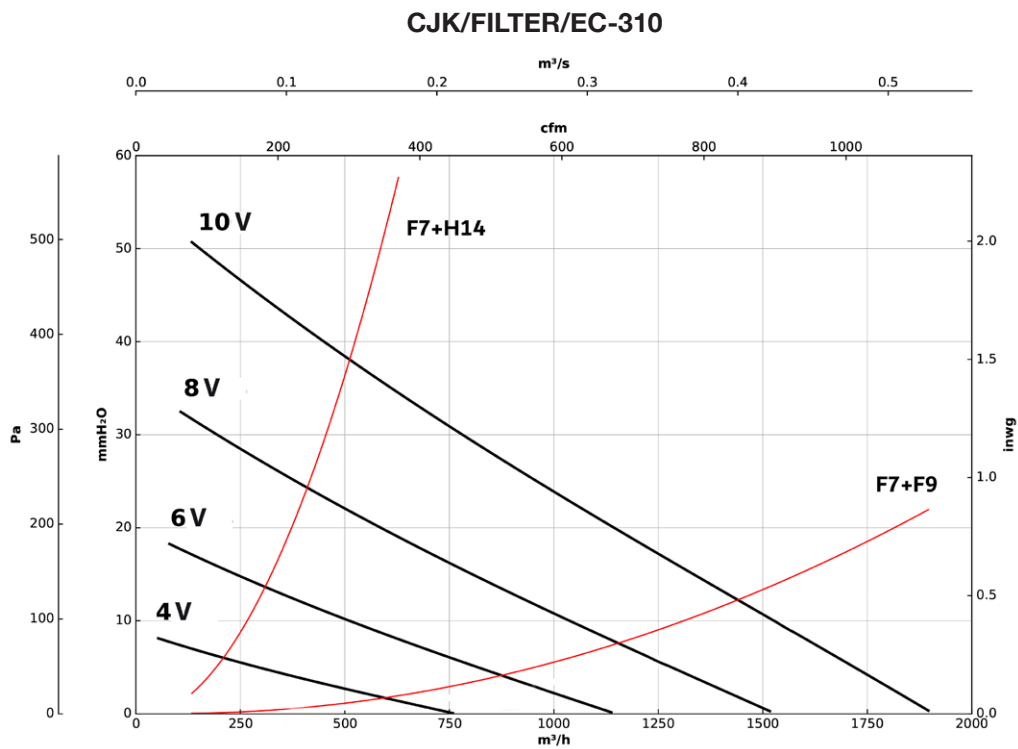
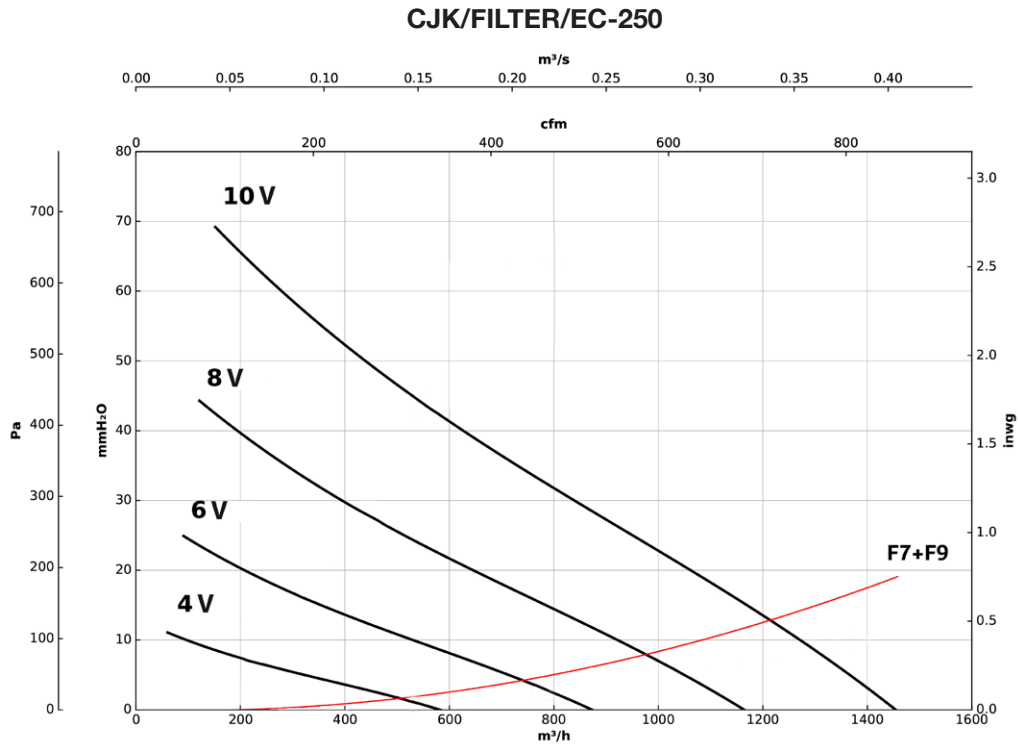
CJK/FILTER/EC-220



Characteristic curves

Q= Flow in m³/h, m³/s and cfm.

Pe= Static pressure in mmH₂O, Pa and inwg.

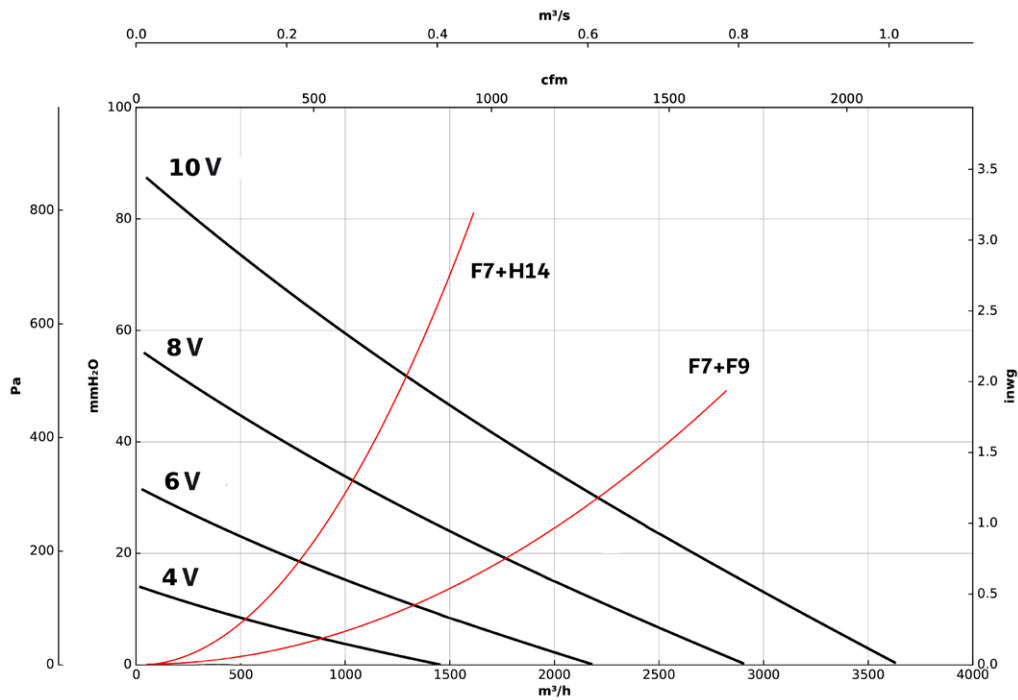


Characteristic curves

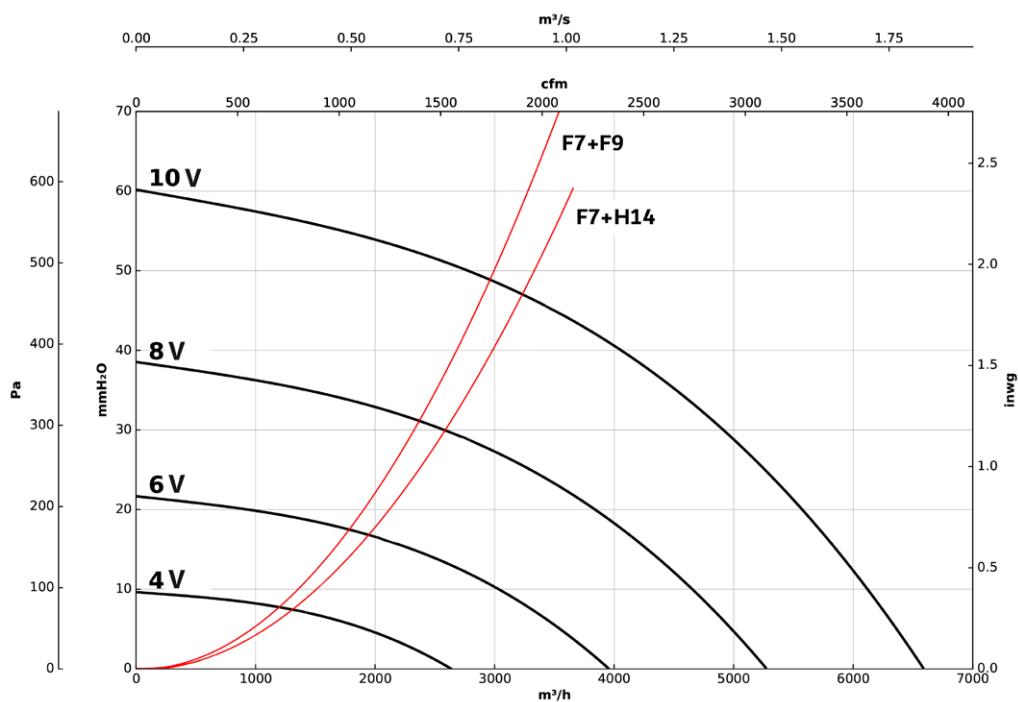
Q= Flow in m³/h, m³/s and cfm.

Pe= Static pressure in mmH₂O, Pa and inwg.

CJK/FILTER/EC-400



CJK/FILTER/EC-500



**HEADQUARTERS****Sodeca, S.L.U.**

Pol. Ind. La Barricona
Carrer del Metall, 2
E-17500 Ripoll
Girona, SPAIN
Tel. +34 93 852 91 11
Fax +34 93 852 90 42
General sales: comercial@sodeca.com
Export sales: ventilation@sodeca.com

PRODUCTION PLANT**Sodeca, S.L.U.**

Ctra. de Berga, km 0,7
E-08580 Sant Quirze de Besora
Barcelona, SPAIN
Tel. +34 93 852 91 11
Fax +34 93 852 90 42
General sales: comercial@sodeca.com
Export sales: ventilation@sodeca.com

**EUROPE****FINLAND****Sodeca Finland, Oy**

HUITTINEN
Sales and Warehouse
Mr. Kai Yli-Sipilä
Metsälinnankatu 26
FI-32700 Huittinen
Tel. + 358 400 320 125
orders.finland@sodeca.com

HELSINKI
Smoke Control Solutions
Mr. Antti Kontkanen
Vilppulantie 9C
FI-00700 Helsinki
Tel. +358 400 237 434
akontkanen@sodeca.com

HYVINKÄÄ
Industrial Applications
Mr. Jaakko Tomperi
Niinistökatu 12
FI-05800 Hyvinkää
Tel. +358 451 651 333
jtomperi@sodeca.com

ITALIA**Marelli Ventilazione, S.R.L.**

Sr. Christian Tosetti
Viale del Lavoro, 28
37036 San Martino B.A.
(VR), ITALY
Tel. +39 045 87 80 140
Fax +39 045 99 22 24
info@marelliventilazione.com

PORTUGAL**Sodeca Portugal, Unip. Lda.**

PORTO
Rua Veloso Salgado 1120/1138
4450-801 Leça de Palmeira
Tel. +351 229 991 100
geral@sodeca.pt

LISBOA
Pq. Emp. da Granja Pav. 29
2625-607 Vialonga
Tel. +351 219 748 491
geral@sodeca.pt

ALGARVE
Rua da Alegria S/N
8200-557 Cortesões
Tel. +351 289 092 586
geral@sodeca.pt

UNITED KINGDOM**Sodeca Fans UK, Ltd.**

Mr. Mark Newcombe
Tamworth Enterprise Centre
Philip Dix House, Corporation
Street, Tamworth, B79 7DN
UNITED KINGDOM
Tel. +44 (0) 1827 216 109
sales@sodeca.co.uk

AMERICA**CHILE****Sodeca Ventiladores, SpA.**

Sra. Sofia Ormazábal
Santa Bernardita 12.005
(Esquina con Puerta Sur)
Bodegas 24 a 26,
San Bernardo, Santiago, CHILE
Tel. +56 22 840 5582
ventas.chile@sodeca.com

COLOMBIA**Sodeca Latam, S.A.S.**

Sra. Luisa Stella Prieto
Calle 7 No. 13 A-44
Manzana 4 Lote 1, Montana
Mosquera, Cundinamarca
Bogotá, COLOMBIA
Tel. +57 1 756 4213
ventascolombia@sodeca.co

PERU**Sodeca Perú, S.A.C.**

Sr. Jose Luis Jiménez
C/ Mariscal Jose Luis de
Orbegoso 331. Urb. El pino.
15022, San Luis. Lima, PERÚ
Tel. +51 1 326 24 24
Cel. +51 994671594
comercial@sodeca.pe

RUSSIA**Sodeca, L.L.C.**

Mr. Stanislav Alifanov
Severnoye Shosse, 10 room 201
Business Park Plaza Ramstars
140105 Ramenskoye,
Moscow region, RUSSIA
Tel. +7 495 955 90 50
alifanov@sodeca.com



www.sodeca.com

