UFRX/ALS PCO

Air purifying units with photocatalysis-based technology

Filtration, disinfection and air purification units with photocatalysis technology, especially designed for disinfecting and cleaning indoor air and nearby surfaces.

Characteristics:
- Aluminium profile structure.
- Covers with a high quality, 25 mm thick acoustic casing made of prefinished sheet.
- Backward curved impeller.
- Built-in photocatalyst device with negative and positive ionisation.
- Filtration stages: F7 + F9.
- Inspection cover for filter maintenance and replacement.
- Effective for up to 40 linear metres of ducting.
- Belt-driven.
- Glands for cable entry.
- Maximum temperature of air to be carried: -25 ºC +60 ºC.

Motor:
- IE3 efficiency motors.
- Class F motors with ball bearings and IP55 protection.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Working temperature: -25 ºC +50 ºC.

Finish:
- Aluminium profile and prefinished sheet, with 25 mm thick double-wall thermal and acoustic insulation panels.

On request:
- Circular outlet.

Order code

UFRX/ALS PCO — 400 — 4

- UFRX/ALS PCO: Air purifying units with photocatalysis-based technology
- Impeller diameter in mm
- Motor power (HP)

Filter characteristics

STANDARD FILTERS	EN 779	EN 1822	ISO 16890			
	Em		ISO ePM_1	ISO $ePM_{2,5}$	ISO ePM_{10}	ISO COARSE
F7	90%	-	>50%	>65-95%	>85%	-
F9	95%	-	>80%	>95%	>95%	-

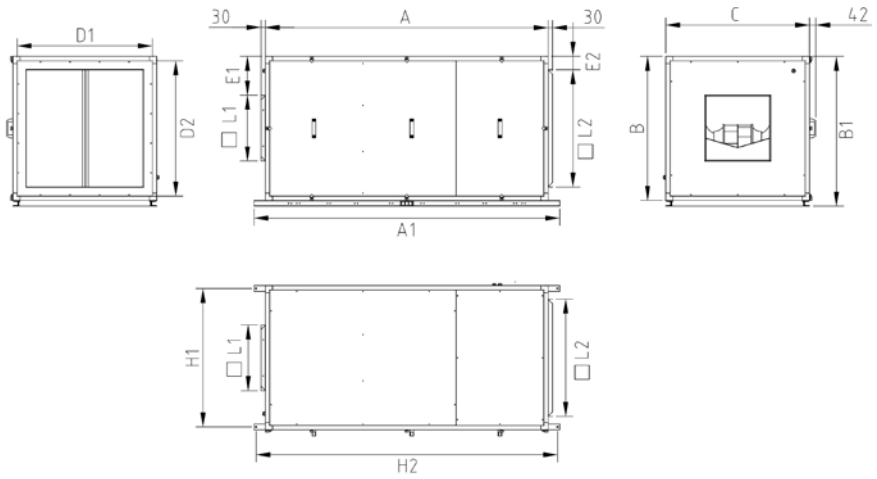
Technical characteristics

Model	Speed	Maximum admissible current (A)			Installed power	Maximum flow rate	Sound pressure level	Air temperature (°C)		Approx. weight
	(r/min)	230V	400V	690V	(kW)	(m^3/h)	dB (A)	min.	max.	(Kg)
UFRX/ALS PCO-315-3 IE3	2350	7.32	4.21		2.20	6460	75	-25	+60	92
UFRX/ALS PCO-355-4 IE3	2180	10.00	5.77		3.00	8980	78	-25	+60	124
UFRX/ALS PCO-400-5.5 IE3	2000	13.90	8.00		4.00	10370	75	-25	+60	147
UFRX/ALS PCO-500-7.5 IE3	1510		10.30	5.97	5.50	15030	73	-25	+60	214
UFRX/ALS PCO-630-10 IE3	1135		13.90	8.06	7.50	23330	72	-25	+60	340

Erp. (Energy Related Products)

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

Dimensions mm

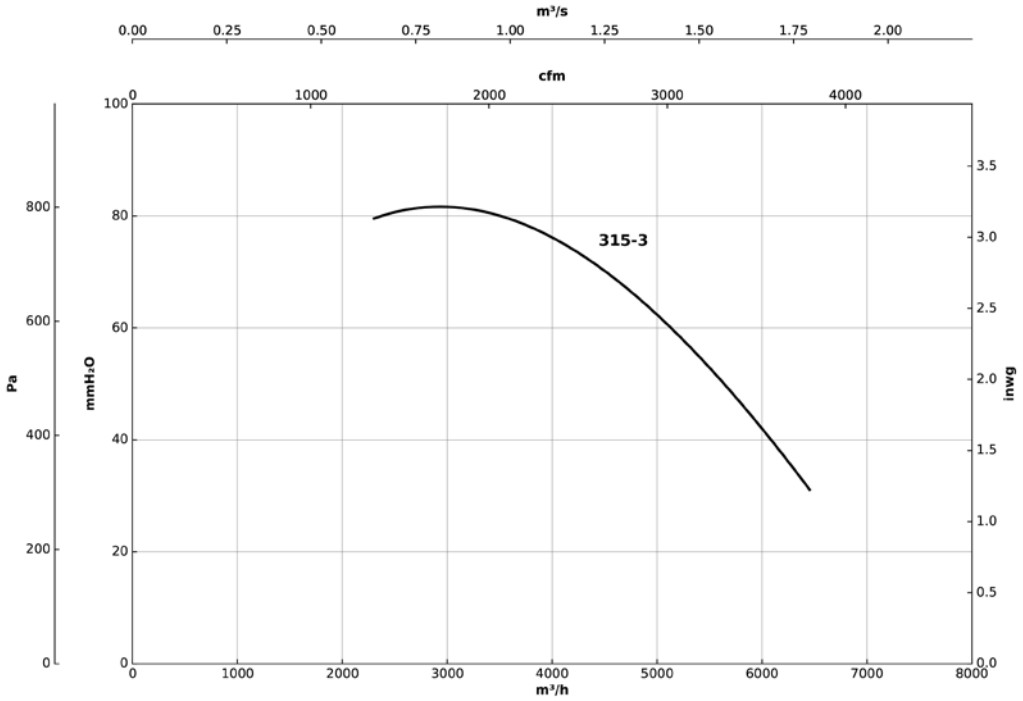


	A	A1	B	B1	C	D1	D2	E1	E2	H1	H2	L1	L2
UFRX/ALS PCO-315	1867	1998	855	895	855	795	795	200	85	815	1968	405	685
UFRX/ALS PCO-355	2005	2125	1000	1040	1000	940	940	270	90	960	2095	455	815
UFRX/ALS PCO-400	2230	2350	1195	1235	1195	1115	1115	365	130	1155	2320	510	930
UFRX/ALS PCO-500	2560	2680	1450	1490	1450	1370	1370	340	170	1410	2650	640	1110
UFRX/ALS PCO-630	2710	2830	1670	1710	1670	1590	1590	420	140	1630	2800	805	1395

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

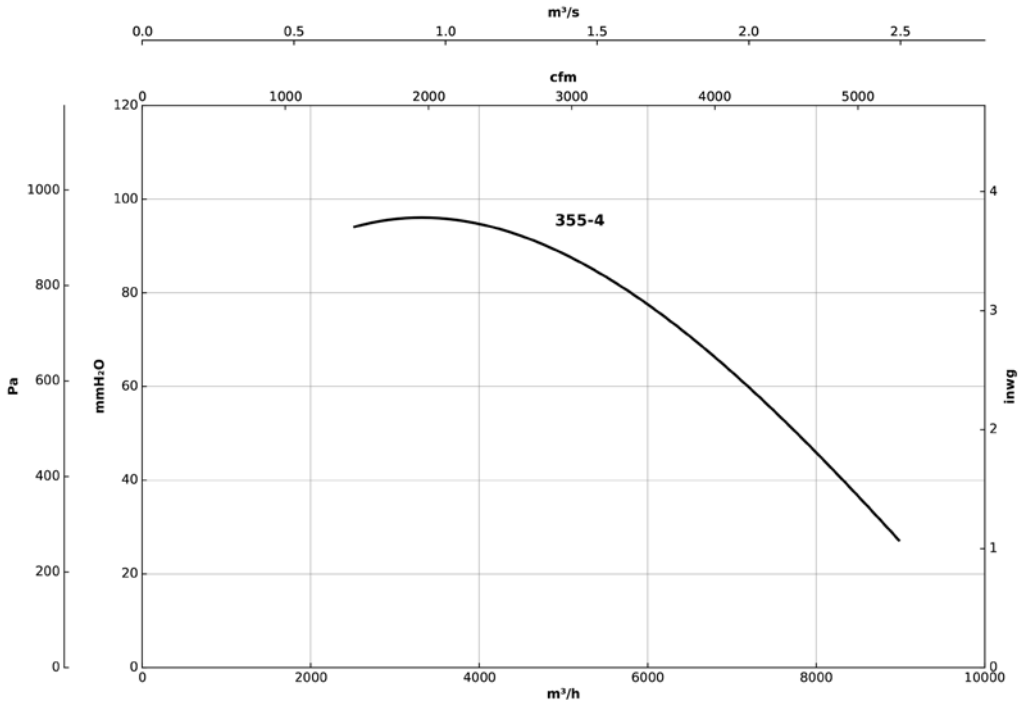
UFRX/ALS PCO-315



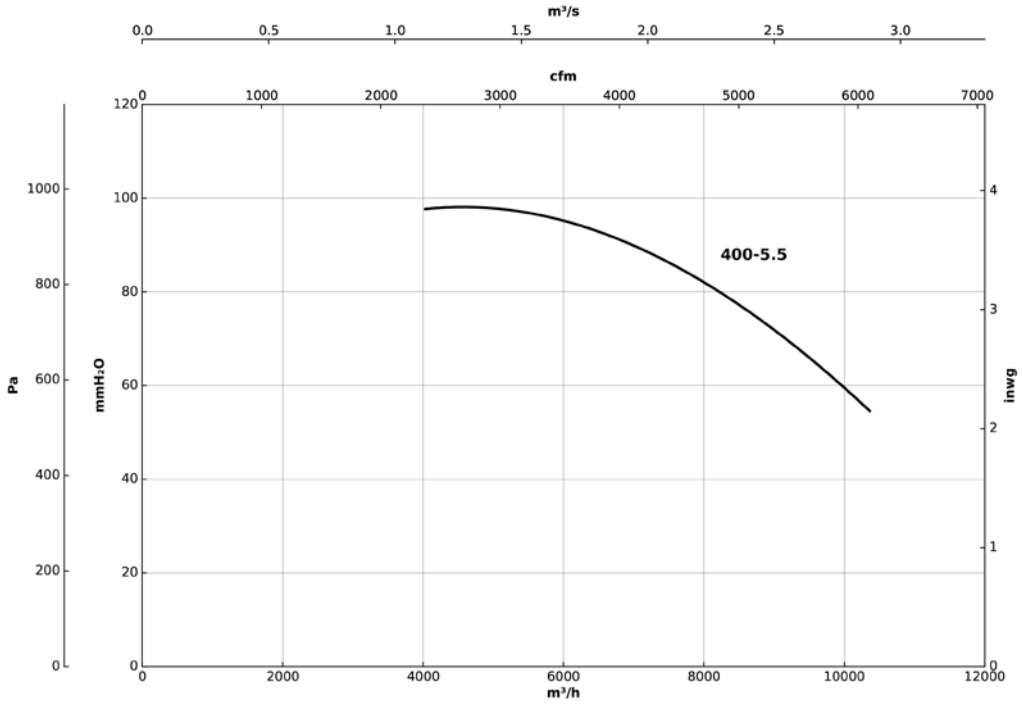
Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

UFRX/ALS PCO-355



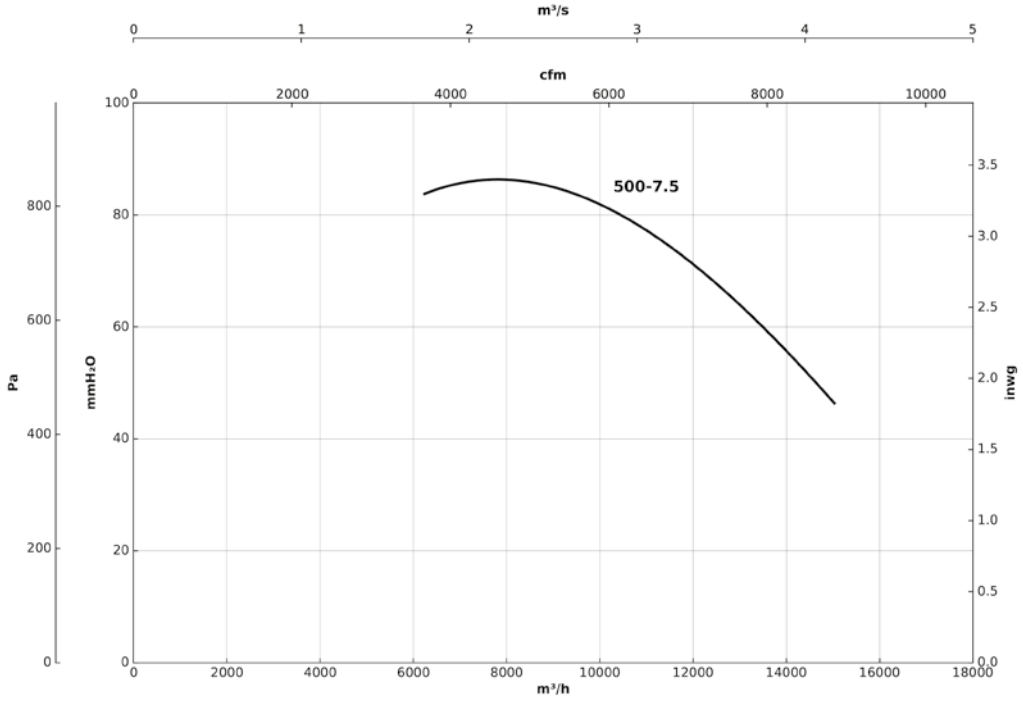
UFRX/ALS PCO-400



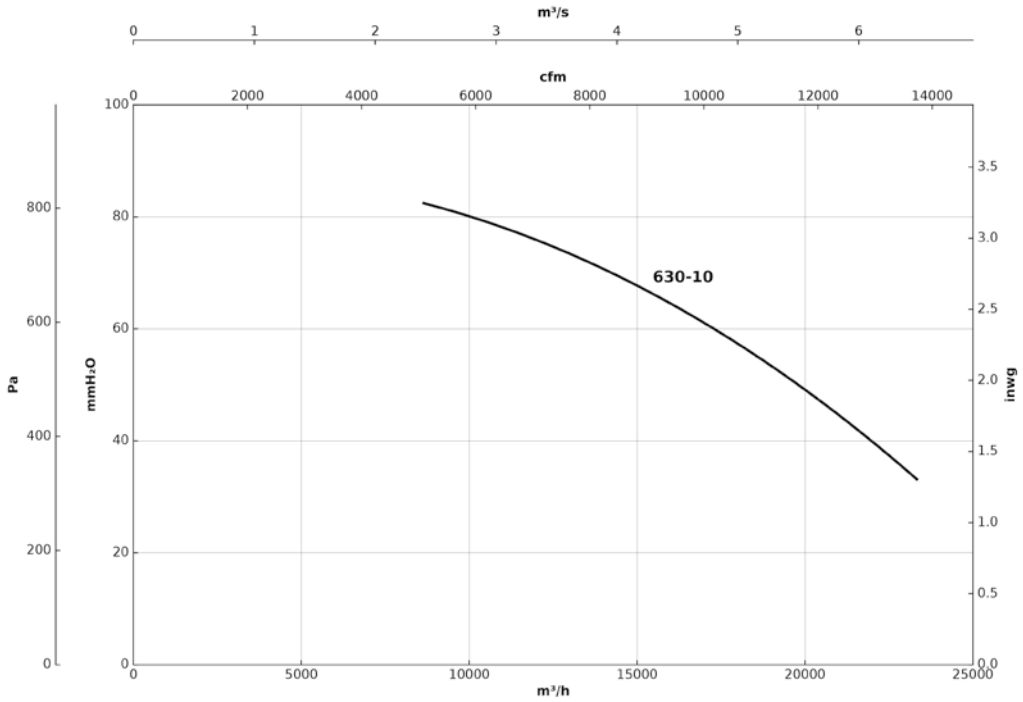
Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

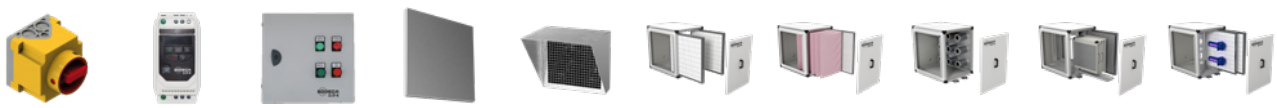
UFRX/ALS PCO-500



UFRX/ALS PCO-630



Accessories



INT | VSD3/A-RFT - VSD1/A-RFM | AET | TEJ | VIS | MF | MFB | MCA | MFE | MPCO