

CVT/EC

Centrifugal roof fans with vertical air outlet, with EC Technology IE5 motor



Fan:

- Support base in galvanized steel sheet.
- Backward curved impeller made of galvanized sheet steel.
- Bird protection grid.
- Aluminum rain cover.
- Airflow direction from motor to impeller.

Motor:

- High efficiency EC Technology motors with integrated electronics, regulated by 0-10 V or 4-20 mA.
- IE5 efficiency motors, class F and IP55 protection.
- Single-phase 230 V 50/60 Hz.
- Working temperature: -25 °C +60 °C.

- External sensor: compatible with temperature, humidity, air quality or CO sensor.
- Equipment preconfigured in constant pressure mode with 100 Pa set point.

Finish:

- Anti-corrosive in galvanized steel sheet and aluminum.



EC TECHNOLOGY MOTOR with integrated electronics



EC CONTROL
Supplied as an optional accessory

EC CONTROL: Supplied as an optional accessory. Control panel for ventilation systems with EC Technology motors with the electronics integrated in the motor itself. With the following characteristics:

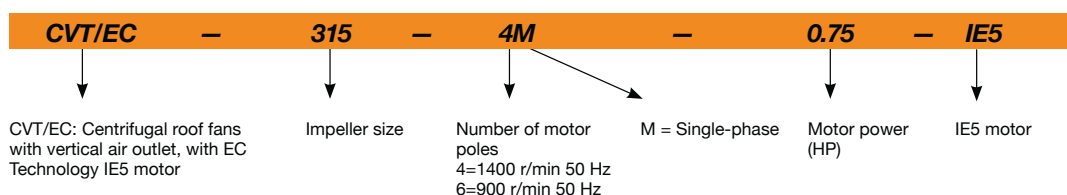
- CPC: Constant pressure control.
- CFC: Constant flow control.
- DAY / NIGHT: Double pressure setpoint adjustment according to time of day.



Support for roof-mounting



Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)	Max. electric power	Maximum flow rate	Sound pressure level dB (A)		Approx. weight (Kg)	According ErP
		230V	(kW)	(m³/h)	Inlet	Exhaust		
CVT/EC-315-4M-0.75 IE5	1380	4.8	0.55	4950	48	54	39	2018
CVT/EC-400-6M-0.55 IE5	900	3.4	0.37	4500	44	50	56	2018
CVT/EC-450-6M-0.55 IE5	900	3.4	0.37	6900	47	54	59	2018



Erp. (Energy Related Products)

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

Acoustic characteristics

The indicated values are determined by measuring the sound pressure level and sound power in dB(A) obtained in a free field at a distance equivalent to twice the size of the fan plus the impeller diameter, with a minimum of 1.5 m.

Sound power spectrum Lw(A) in dB(A) per Hz frequency band

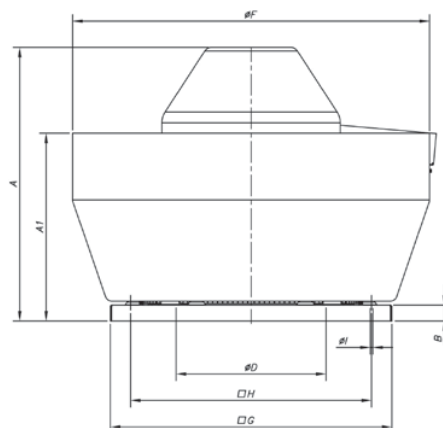
Values measured at inlet with maximum flow rate (Qmax)

	63	125	250	500	1000	2000	4000	8000
315-4M	50	56	62	62	65	68	59	53
400-6M	46	52	58	58	61	64	55	49
450-6M	50	57	62	62	66	65	58	53

Values measured at exhaust with maximum flow rate (Qmax)

	63	125	250	500	1000	2000	4000	8000
315-4M	49	61	69	71	72	72	84	58
400-6M	45	57	65	67	68	68	60	52
450-6M	50	62	70	72	73	70	63	55

Dimensions mm



	A	A1	B	øD*	øF	G	H	øl
CVT/EC-315-4M	612	373	30	355	700	560	450	12
CVT/EC-400-6M	689	473	40	500	900	710	590	12
CVT/EC-450-6M	705	474	40	500	900	710	590	12

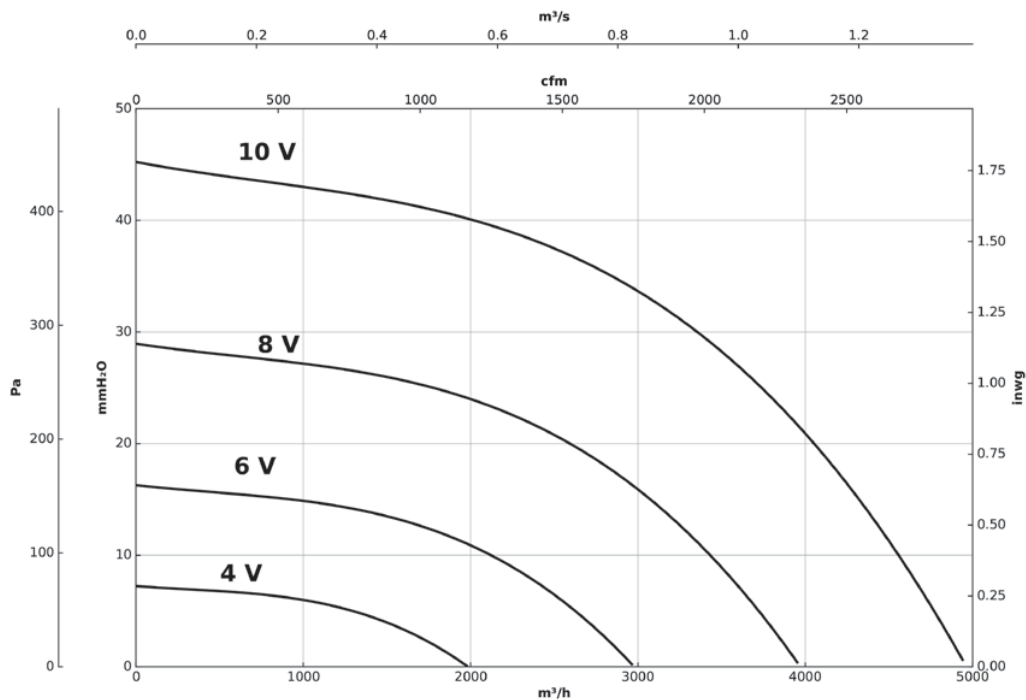
* Recommended nominal tube diameter

Characteristic curves

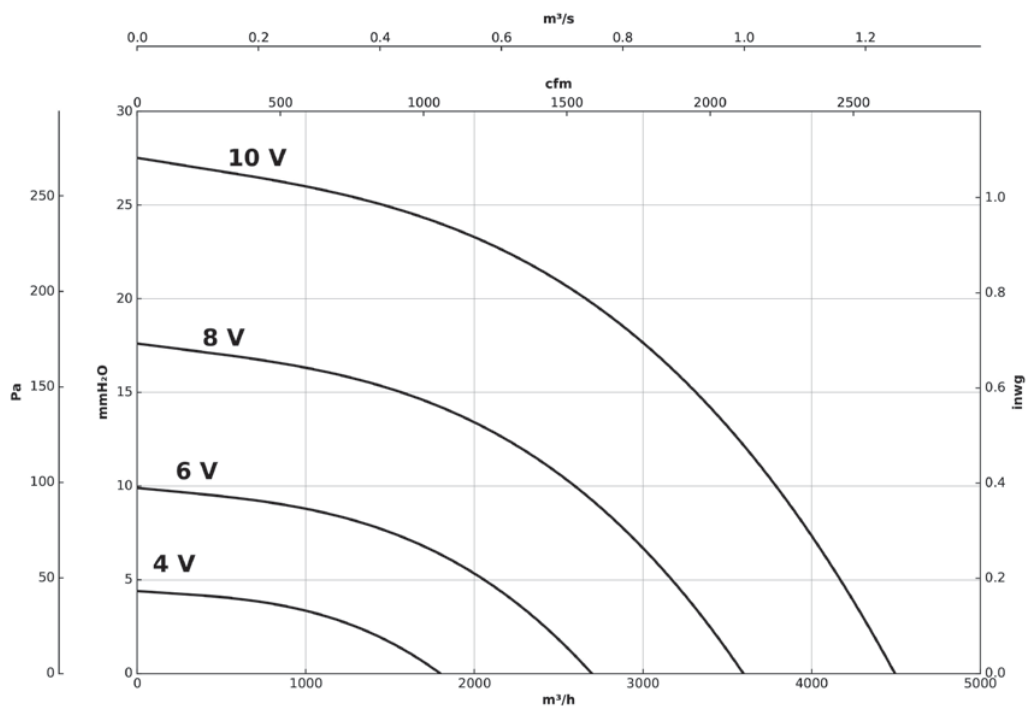
Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg

CVT/EC-315-4M



CVT/EC-400-6M

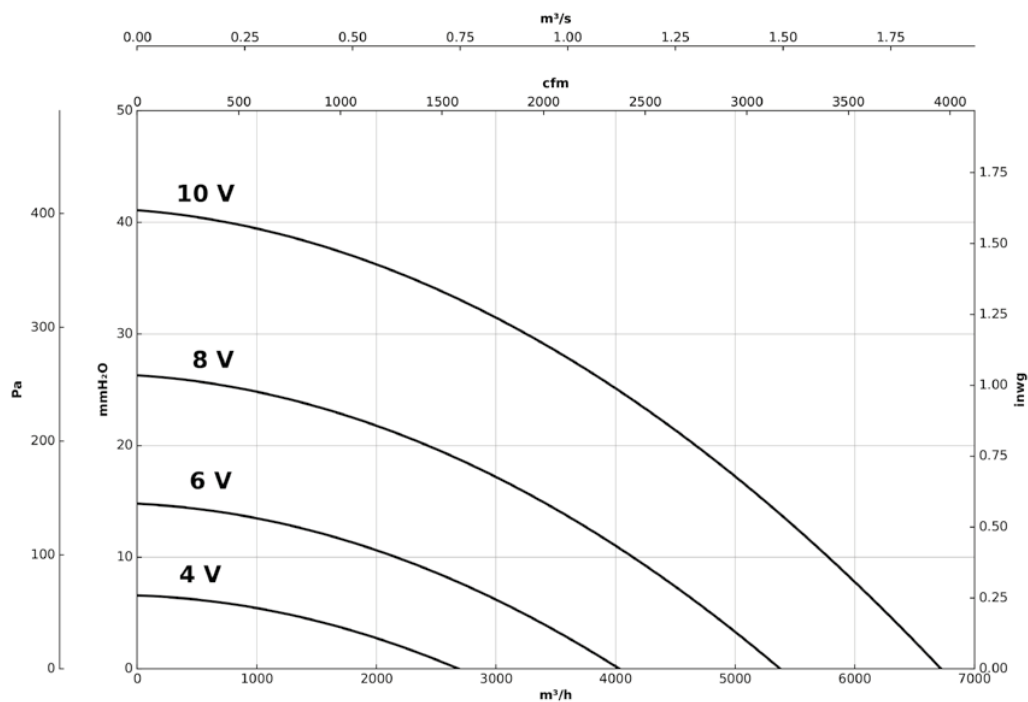


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg

CVT/EC-450-6M



Accessories

