CPV/EC

Single inlet anti-corrosive centrifugal fans made of polypropylene, with EC Technology IE5 motor

EC TECHNOLOGY MOTOR with integrated electronics

EC CONTROL Supplied as an optional accessory

Single inlet anti-corrosive centrifugal fans made of polypropylene, equipped with EC Technology IE5 motor with integrated electronics, specially designed for high energy efficiency.

Fan:
- Polypropylene casing.
- Forward curved impeller in polypropylene.
- Maximum temperature of air to be carried: -25 ºC +70 ºC.

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 ºC +60 ºC.

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.
- 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 plastic material.

Order code

CPV/EC — 825 — 2M — 1.5 — IE5

- **CPV/EC**: CPV/EC: Single inlet anti-corrosive centrifugal fans made of polypropylene, with EC Technology IE5 motor
- **825**: Impeller size
- **2M**: Number of motor poles 2=2900 r/min 50 Hz 4=1400 r/min 50 Hz 6=900 r/min 50 Hz
- **—**: T = Three-phase M = Single-phase
- **1.5**: Motor power (HP)
- **IE5**: IE5 motor

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A) 230V	Max. electric power (kW)	Maximum flow rate (m^3/h)	Sound pressure level dB (A)	Approx. weight (Kg)	According ErP*
CPV/EC-825-2M-1.5 IE5	2830	8.7	1.10	1140	79	18	2020
CPV/EC-1020-2M-1 IE5	2825	5.9	0.75	2000	81	25	2020
CPV/EC-1020-4M-0.33 IE5	1350	2.3	0.25	1250	65	20	2020
CPV/EC-1325-4M-0.5 IE5	1370	3.4	0.37	2300	69	27	2020
CPV/EC-1630-6M-1 IE5	900	5.9	0.75	2700	63	35	2020

* In accordance with the ErP 2020 draft

Erp. (Energy Related Products)

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

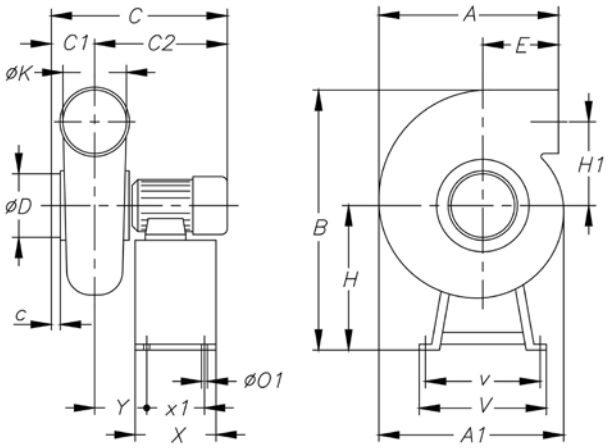
Acoustic characteristics

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

	63	125	250	500	1000	2000	4000	8000
CPV/EC-825-2M-1.5	60	73	81	85	85	81	77	69
CPV/EC-1020-2M-1	62	75	83	87	87	83	79	71
CPV/EC-1020-4M-0.33	46	59	67	71	71	67	63	55
CPV/EC-1325-4M-0.5	52	65	73	77	78	74	70	61
CPV/EC-1630-6M-1	48	61	69	73	74	70	66	57

Dimensions mm

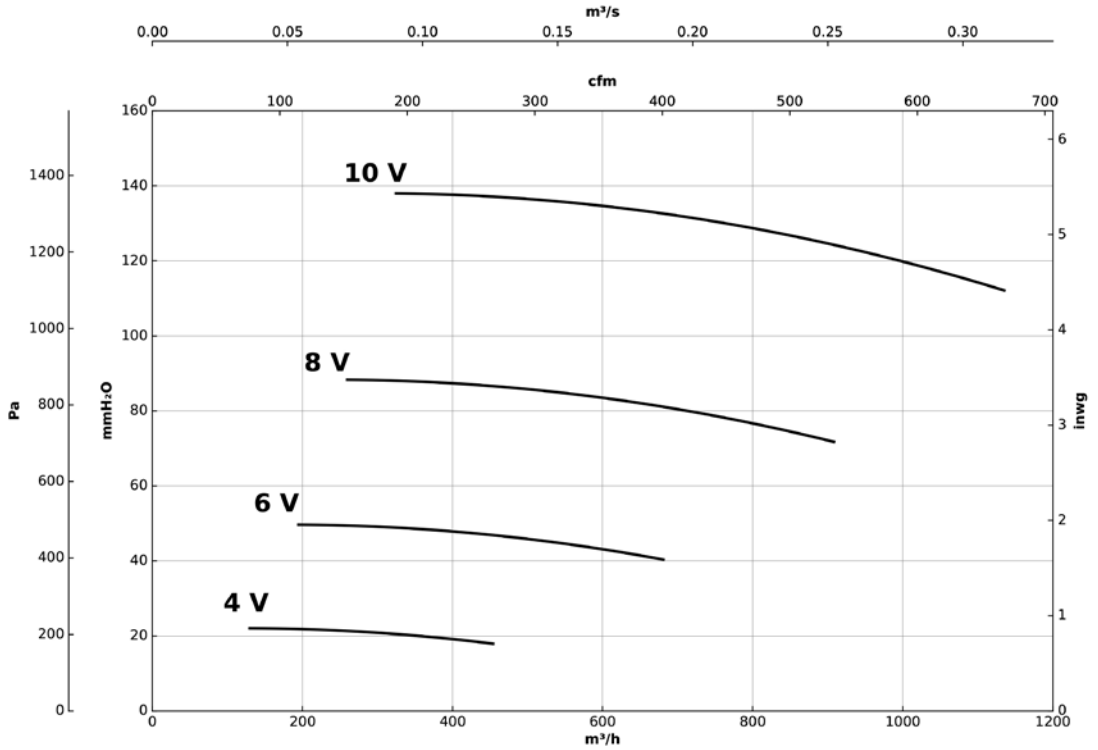


	A	A1	B	C	C1	C2	c	øD	E	H	H1	øK	øO1	V	v	X	x1	Y
CPV/EC-825-2M	445	-	552	454	110	344	55	125	218	320	170	125	6	340	320	180	160	103
CPV/EC-1020-2M	340	397	593	458.5	116	342.5	32	160	100	290	223	160	8	355	335	180	160	127.5
CPV/EC-1020-4M	340	397	584	418.5	116	302.5	32	160	100	281	223	160	8	355	335	180	160	122.5
CPV/EC-1325-4M	413	505	716	460	130	330	35	200	103	351	265	200	8	400	380	180	160	113.5
CPV/EC-1630-6M	480	602	880	538	145	393	35	250	117	430	323	250	8	450	430	240	220	138

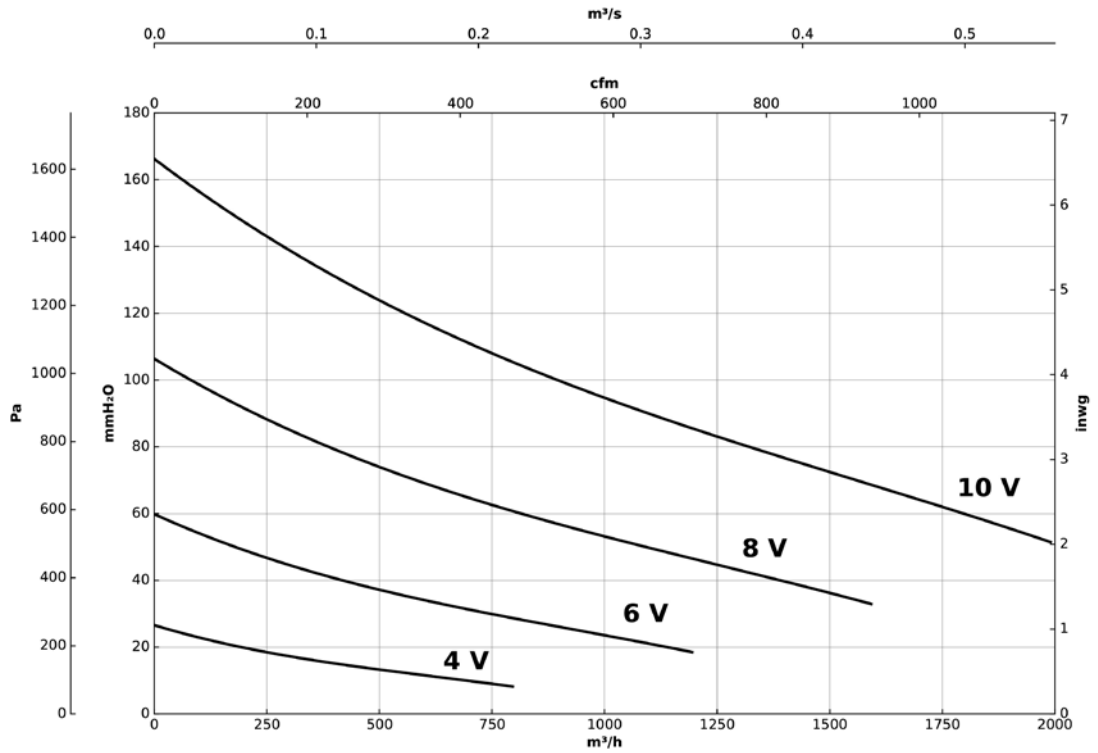
Characteristic curves

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

CPV/EC-825-2M-1.5



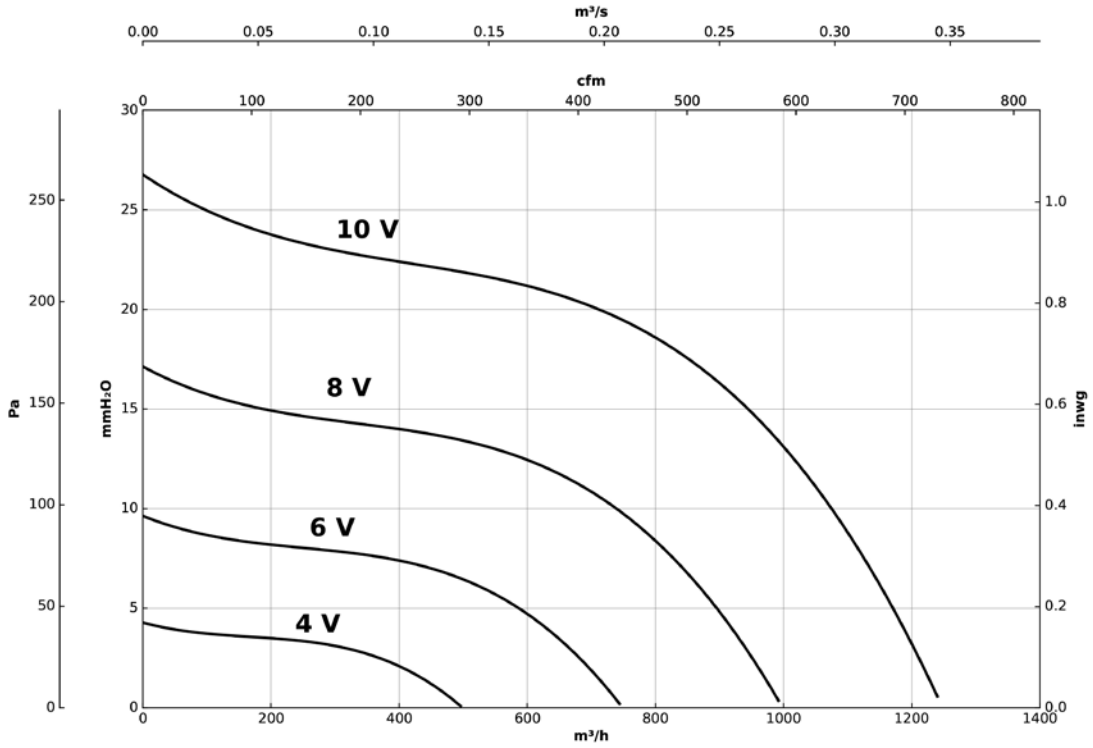
CPV/EC-1020-2M-1



Characteristic curves

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

CPV/EC-1020-4M-0.33



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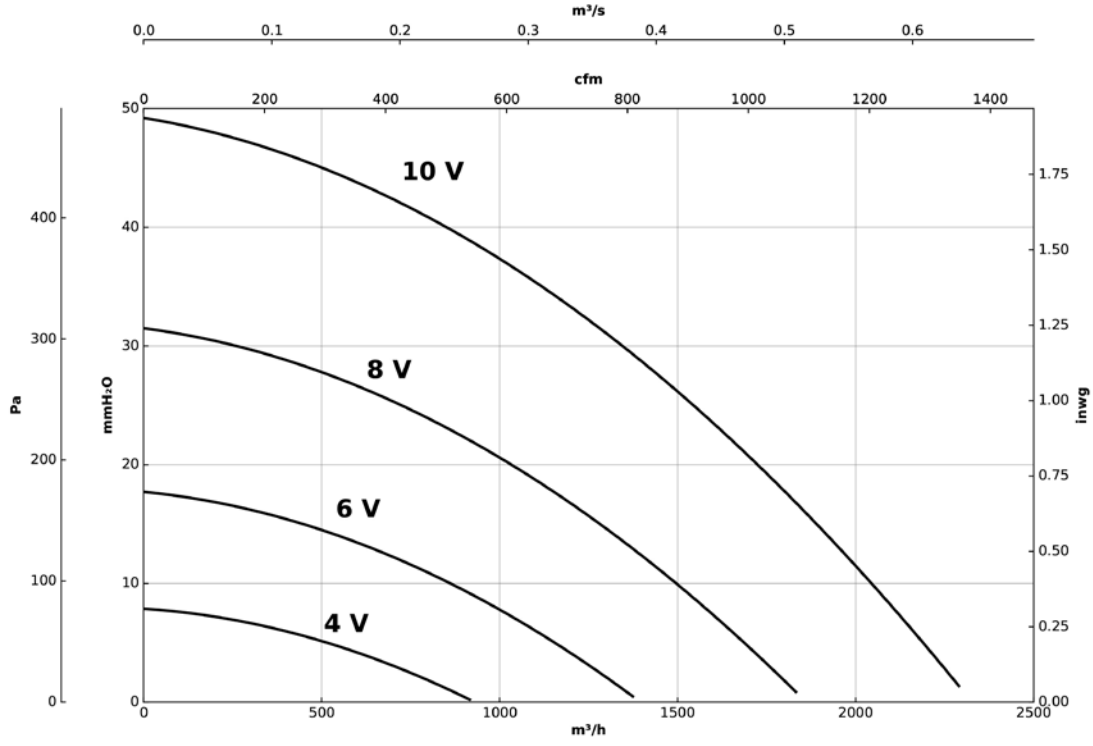
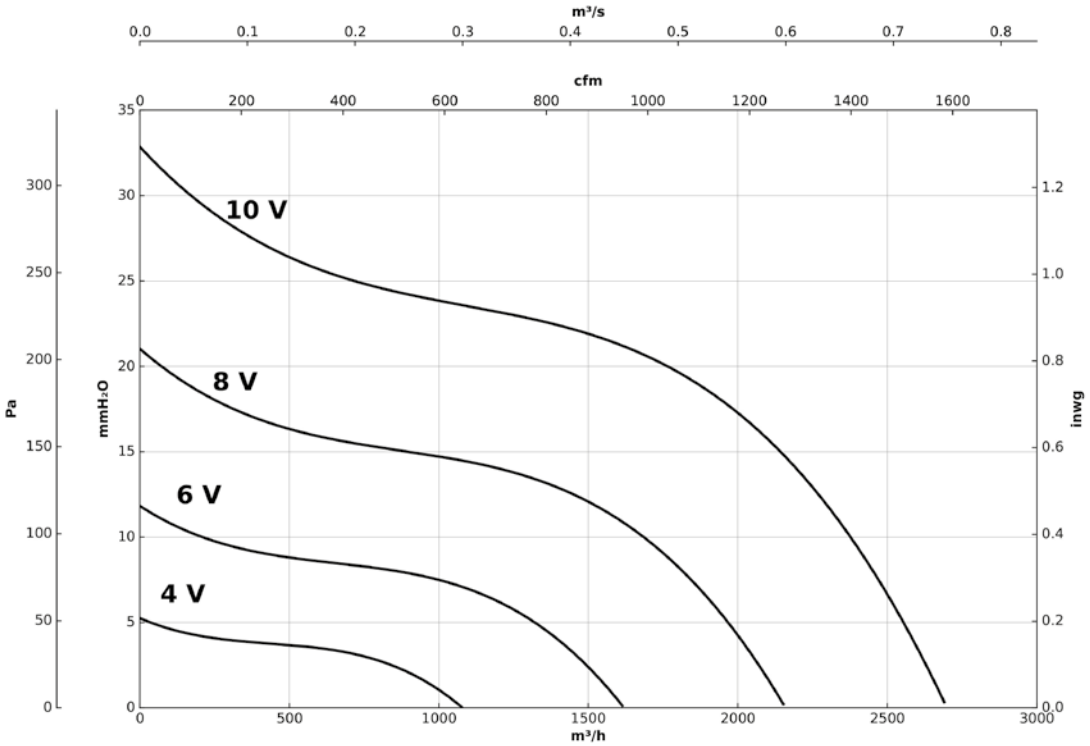


Characteristic curves

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

CPV/EC-1630-6M-1.5



Accessories

INT | EC CONTROL | RM | MTP | BIC | SI-CO2 IND | SI-TEMP IND | SI-TEMP+HUMEDAD | SI-HUMEDAD | SI-MF | SI-PRESIÓN