

# CA/LINE/EC

*In-line circular duct extractor fans with EC Technology motor*



CA/LINE/EC-10...25

- Fan:**
- Sheet steel casing.
  - External terminal box.
  - Quick and easy to install.
  - Support foot included.
  - Backward curved impeller.

- Motor:**
- High efficiency EC Technology motors, outer rotor adjustable via 0-10 V signal.
  - Motors with long life ball bearings. IP44 protection.
  - Single-phase 220-240 V 50/60 Hz.

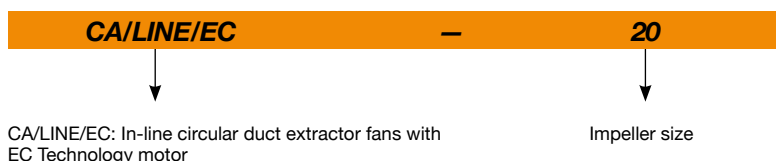
- Working temperature: -25 °C +60 °C.
- Adjustable speed via 0-10 V signal.
- Modbus RTU and built-in alarm relay (models 35 and 40).

- Finish:**
- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.



CA/LINE/EC-31...40

## Order code



## Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)	Installed power (W)	Maximum flow rate (m <sup>3</sup> /h)	Sound pressure level <sup>1</sup> dB (A)	Approx. weight (Kg)
		230V			Irradiated	
CA/LINE/EC-10	3600	0.70	90	325	44	3
CA/LINE/EC-12	3400	0.58	83	420	45	3
CA/LINE/EC-15	3060	0.89	107	745	48	5
CA/LINE/EC-16	3030	0.90	108	810	48	5
CA/LINE/EC-20	2400	0.74	100	1045	48	5
CA/LINE/EC-25	2900	1.15	164	1290	46	5
CA/LINE/EC-31	2780	1.44	183	1915	49	9
CA/LINE/EC-35	2770	3.07	693	3660	62	16
CA/LINE/EC-40	2200	3.13	704	4720	67	19

1. The noise level values are pressures in dB(A) measured at a distance of 3 metres in a free field.



## Erp. (Energy Related Products)

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

## Acoustic characteristics

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

Values measured at inlet with 2/3 maximum flow rate (2/3 Qmax).

	63	125	250	500	1000	2000	4000	8000
CA/LINE/EC-10	66	82	89	80	74	70	63	51
CA/LINE/EC-12	62	83	90	79	74	71	65	54
CA/LINE/EC-15	52	86	85	74	72	70	67	54
CA/LINE/EC-16	81	87	79	72	68	62	50	54
CA/LINE/EC-20	63	80	88	85	87	84	79	67
CA/LINE/EC-25	61	77	85	83	84	81	76	65
CA/LINE/EC-31	62	79	87	85	86	83	78	66
CA/LINE/EC-35	59	67	79	84	85	83	80	64
CA/LINE/EC-40	62	73	84	91	94	91	86	73

Values measured at exhaust with 2/3 maximum flow rate (2/3 Qmax).

	63	125	250	500	1000	2000	4000	8000
CA/LINE/EC-10	73	82	88	79	70	66	61	49
CA/LINE/EC-12	69	83	89	78	71	68	63	52
CA/LINE/EC-15	51	85	82	70	68	64	63	51
CA/LINE/EC-16	81	86	78	69	65	60	48	51
CA/LINE/EC-20	65	77	74	83	84	83	77	64
CA/LINE/EC-25	65	77	74	83	85	83	78	64
CA/LINE/EC-31	65	78	74	84	85	84	78	64
CA/LINE/EC-35	61	70	75	83	84	78	72	57
CA/LINE/EC-40	62	73	79	85	91	86	80	68

## Accessories



RM



SI-CO2 IND



SI-TEMP IND



SI-TEMP+HUMEDAD



SI-HUMEDAD



SI-MF



SI-PRESIÓN



SI-CO2+HUMEDAD



MTP



R



BC



BA/BI



PERSIANA SOBREPRESIÓN



RC



BE



V



AIRFILTER



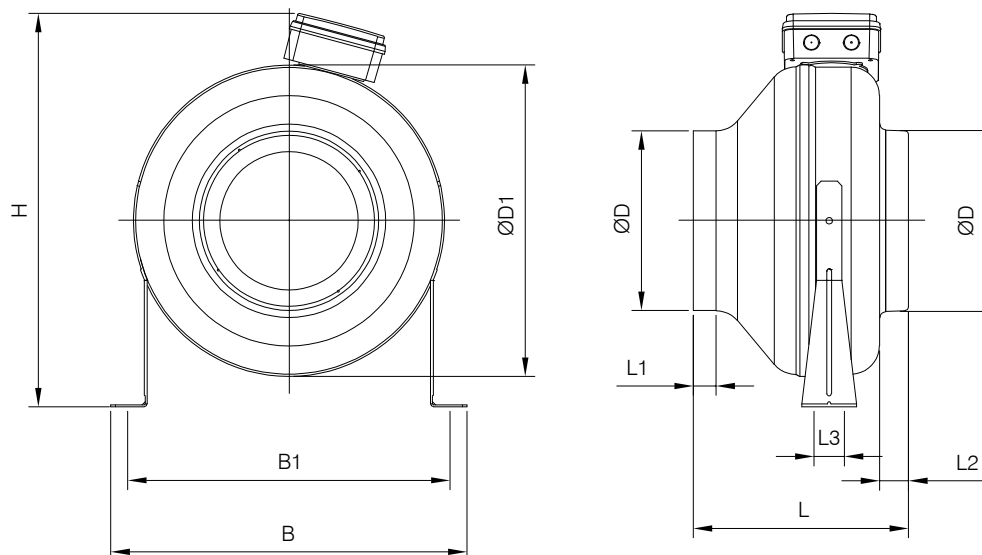
SC



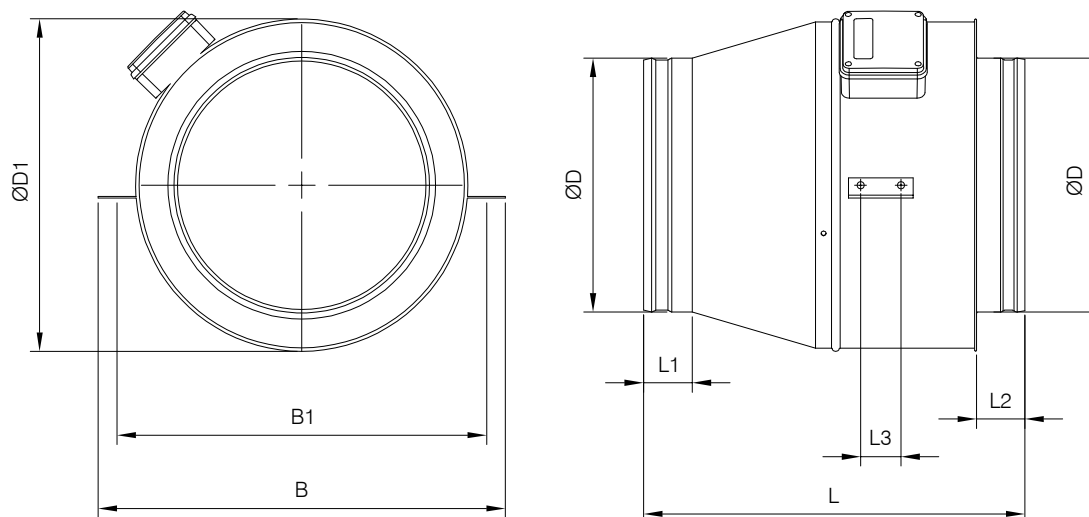
CJFILTER

## Dimensions mm

### CA/LINE/EC-10...25



### CA/LINE/EC-31...40



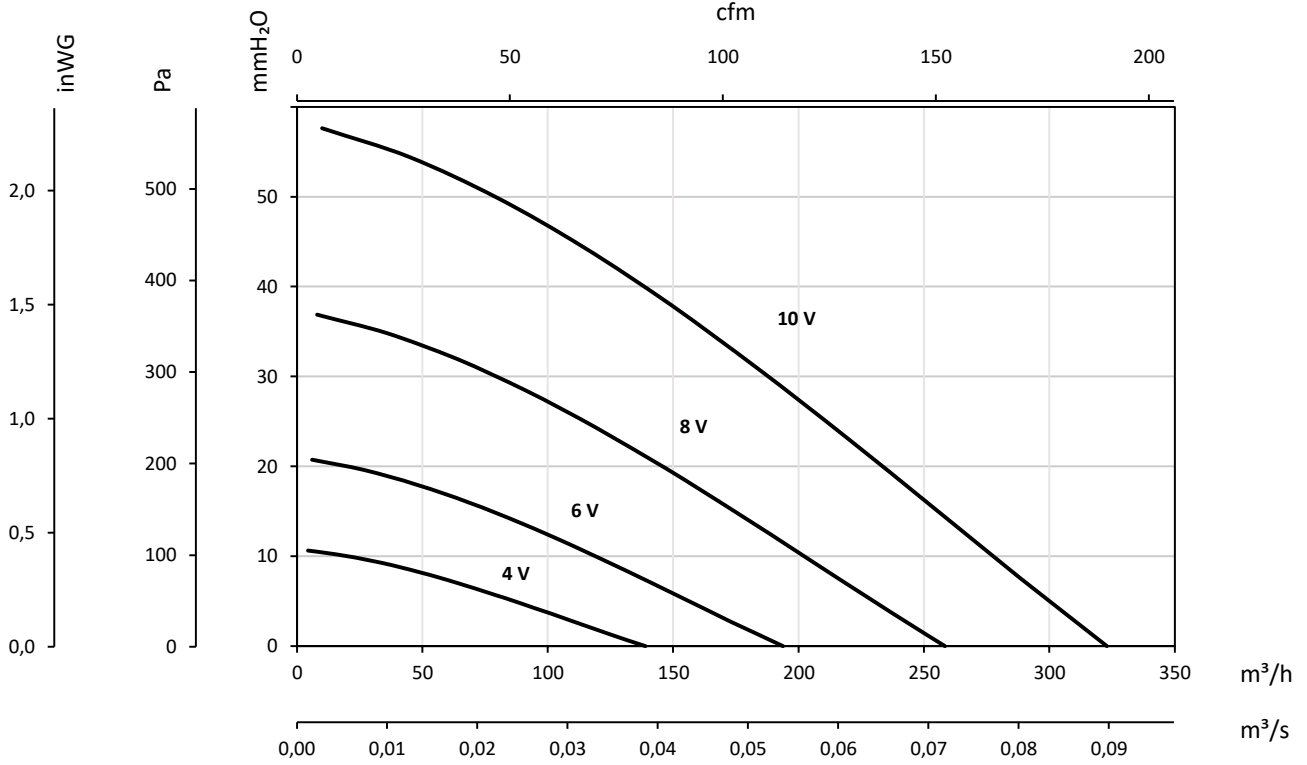
	B	B1	øD	øD1	H	L	L1	L2	L3
CA/LINE/EC-10	310	270	98	255	340	203	20	25	30
CA/LINE/EC-12	310	270	123	255	340	203	20	25	30
CA/LINE/EC-15	360	320	149	305	365	240	25	25	30
CA/LINE/EC-16	360	320	159	305	365	240	25	25	30
CA/LINE/EC-20	395	355	198	345	435	255	25	30	40
CA/LINE/EC-25	395	355	248	345	435	250	25	30	40
CA/LINE/EC-31	502	472	313	409	-	462	60	60	50
CA/LINE/EC-35	552	552	353	459	-	562	60	60	70
CA/LINE/EC-40	663	663	398	568	-	599	60	60	70

**Characteristic curves**

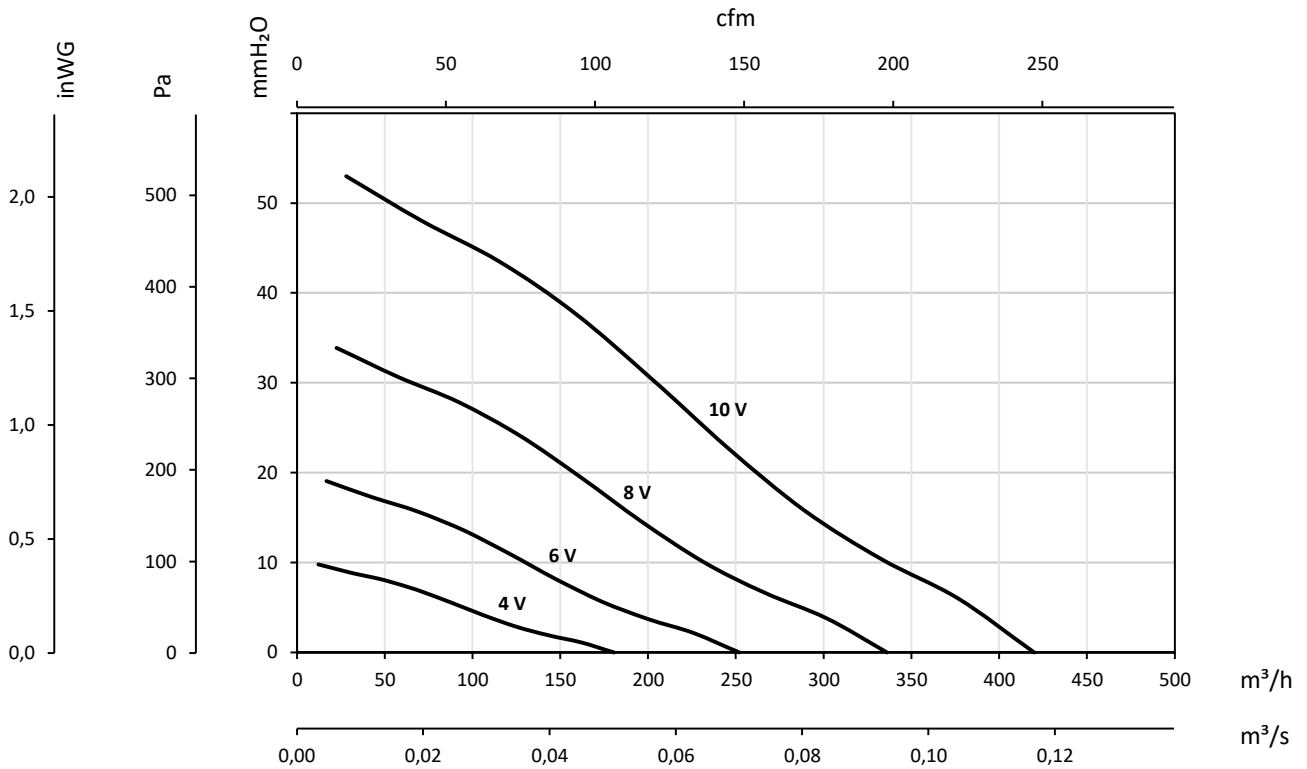
Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

Pe= Static pressure in mm H<sub>2</sub>O, Pa and inWG

**CA/LINE/EC-10**



**CA/LINE/EC-12**

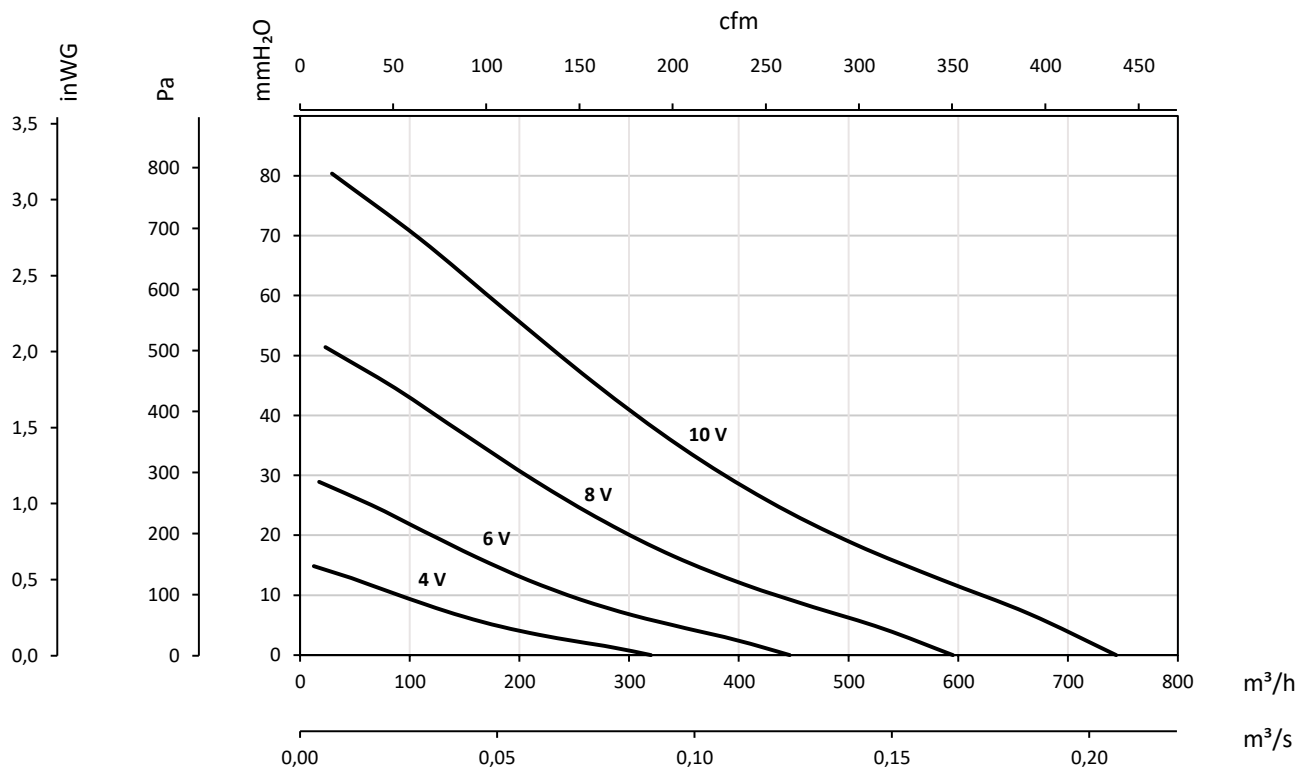


### Characteristic curves

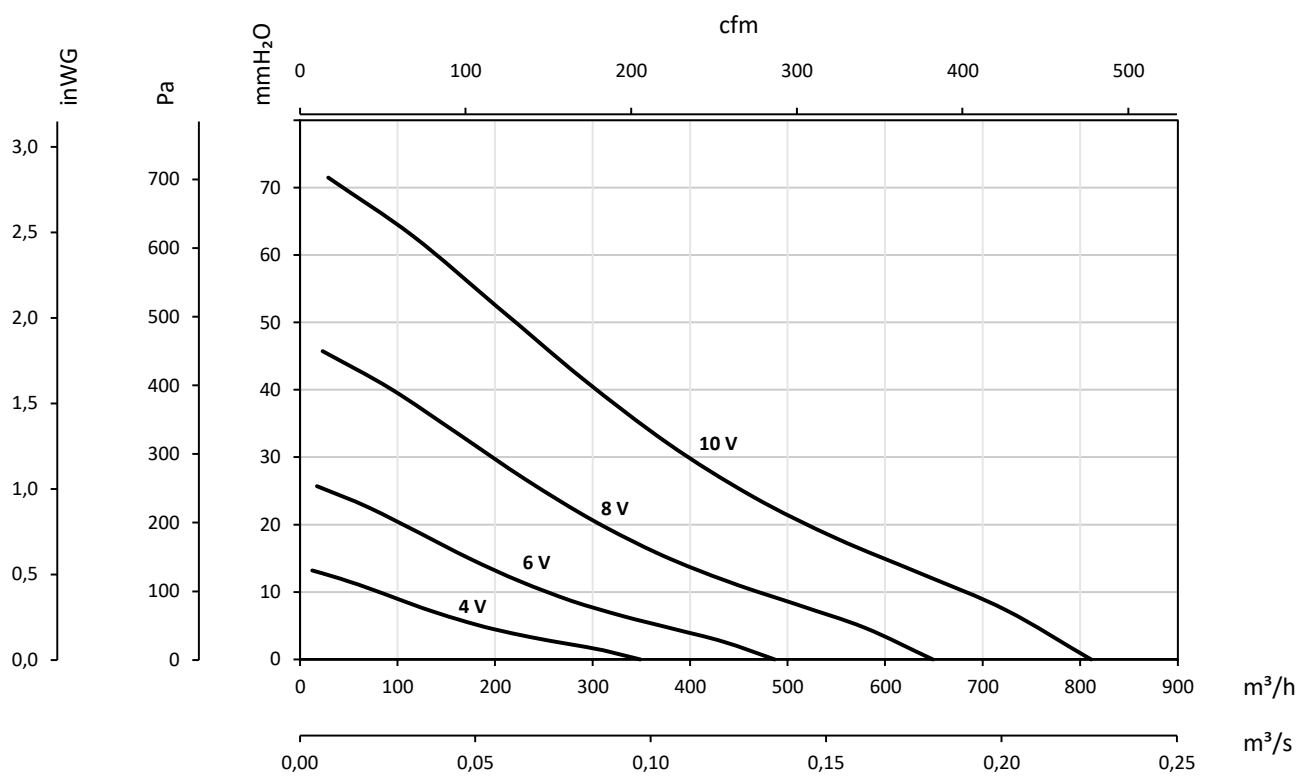
Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

Pe= Static pressure in mm H<sub>2</sub>O, Pa and inwg

#### CA/LINE/EC-15



#### CA/LINE/EC-16

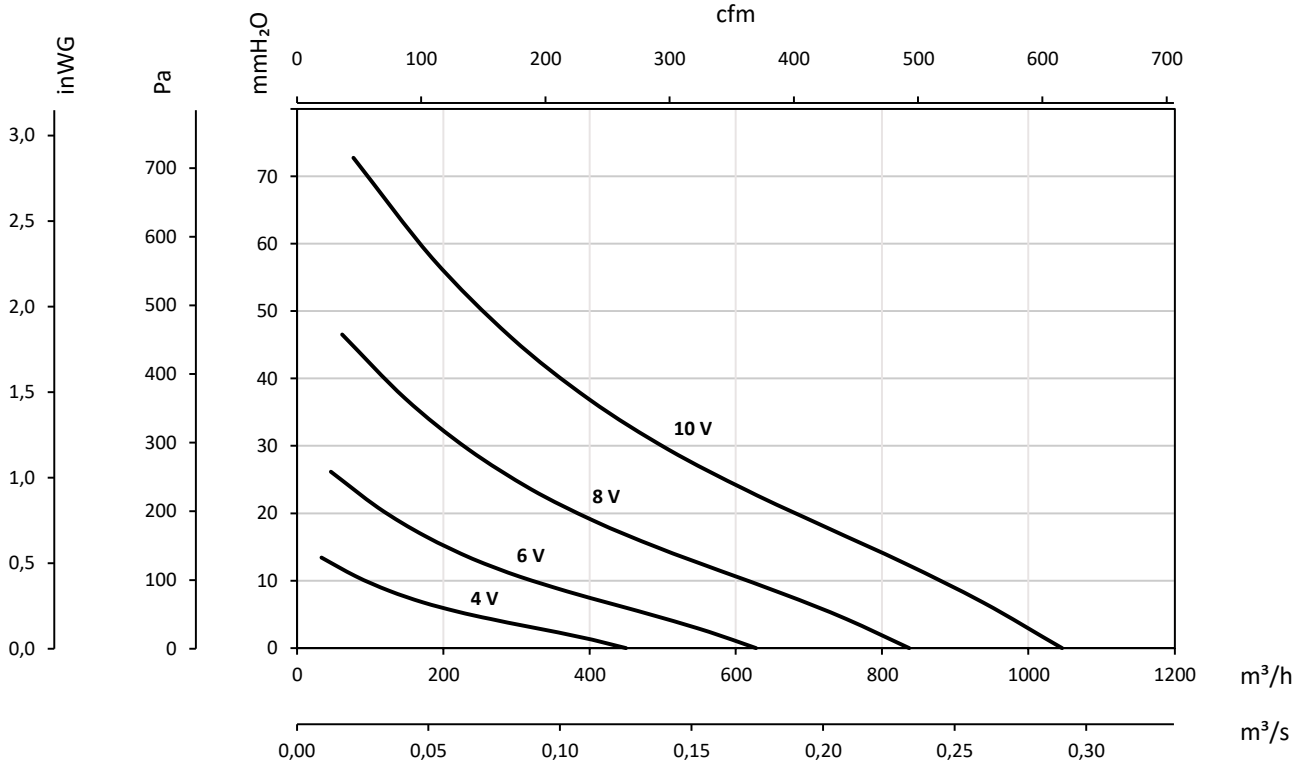


**Characteristic curves**

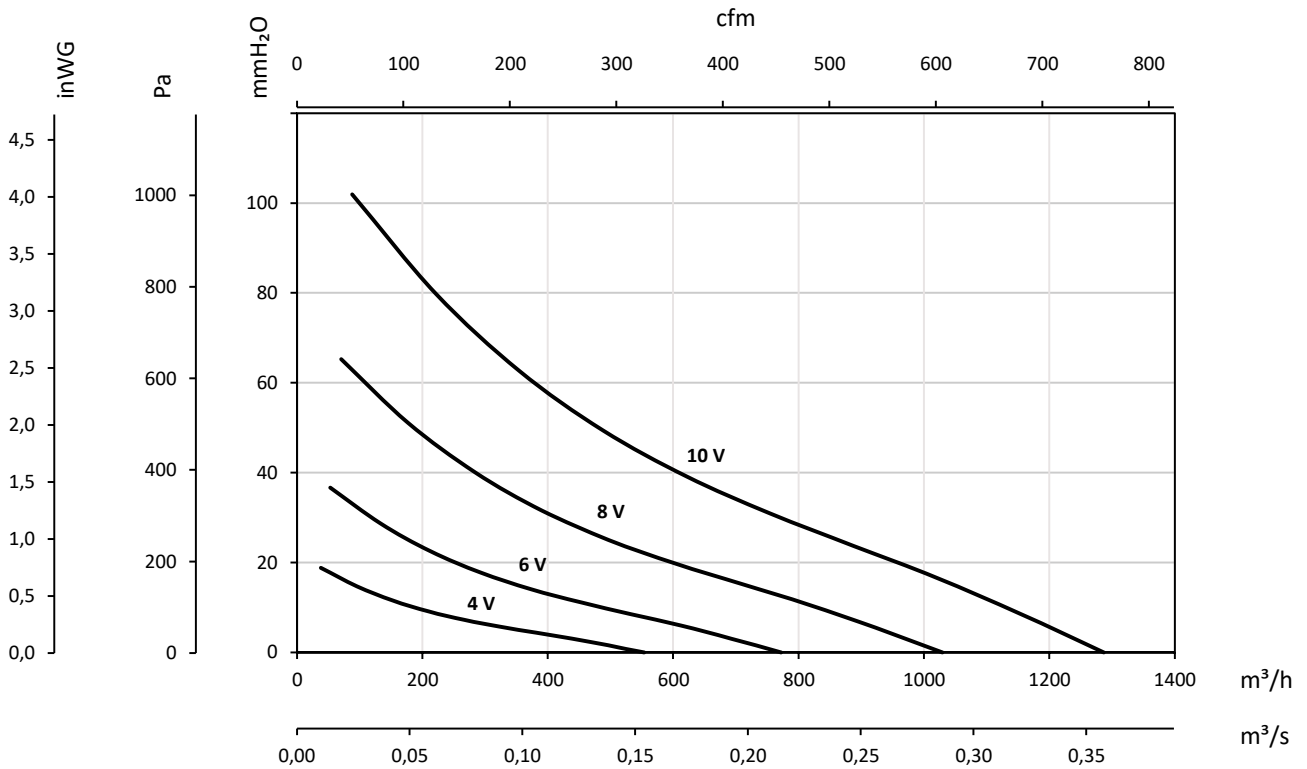
Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

Pe= Static pressure in mm H<sub>2</sub>O, Pa and inwg

**CA/LINE/EC-20**



**CA/LINE/EC-25**

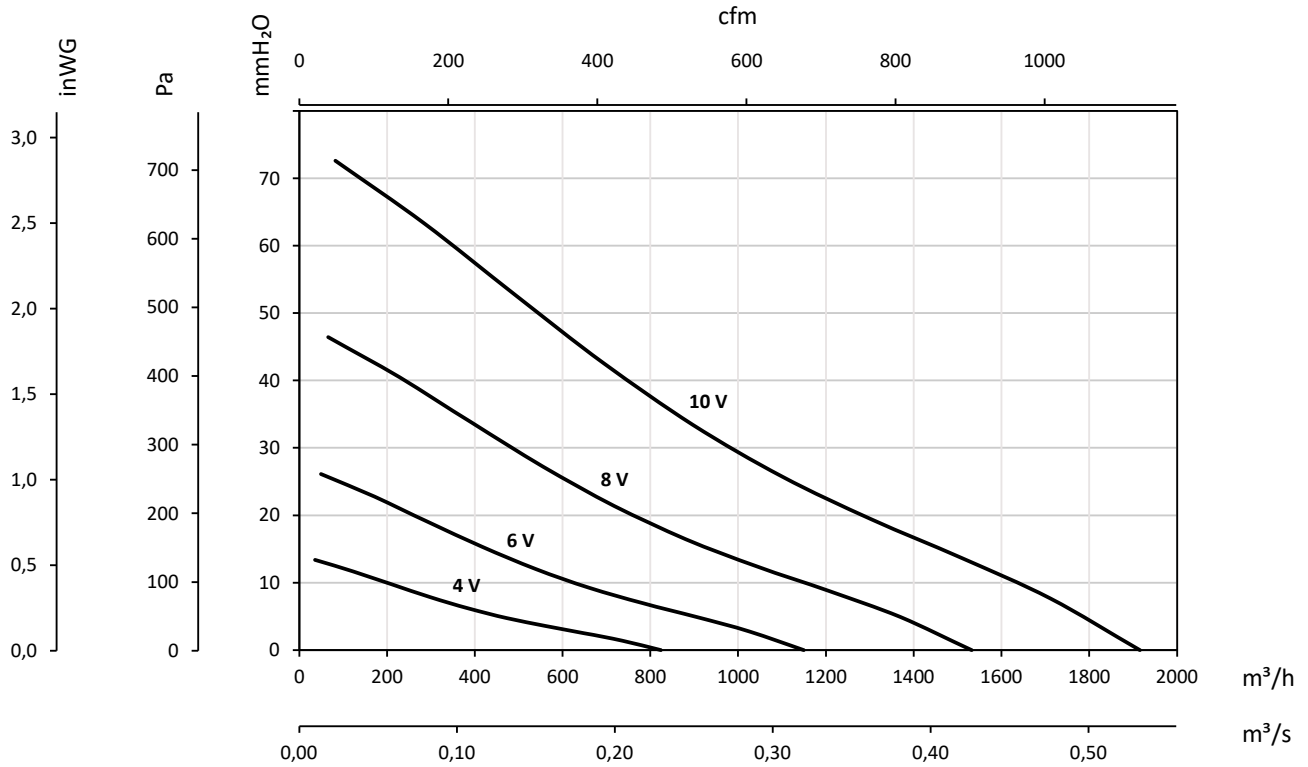


### Characteristic curves

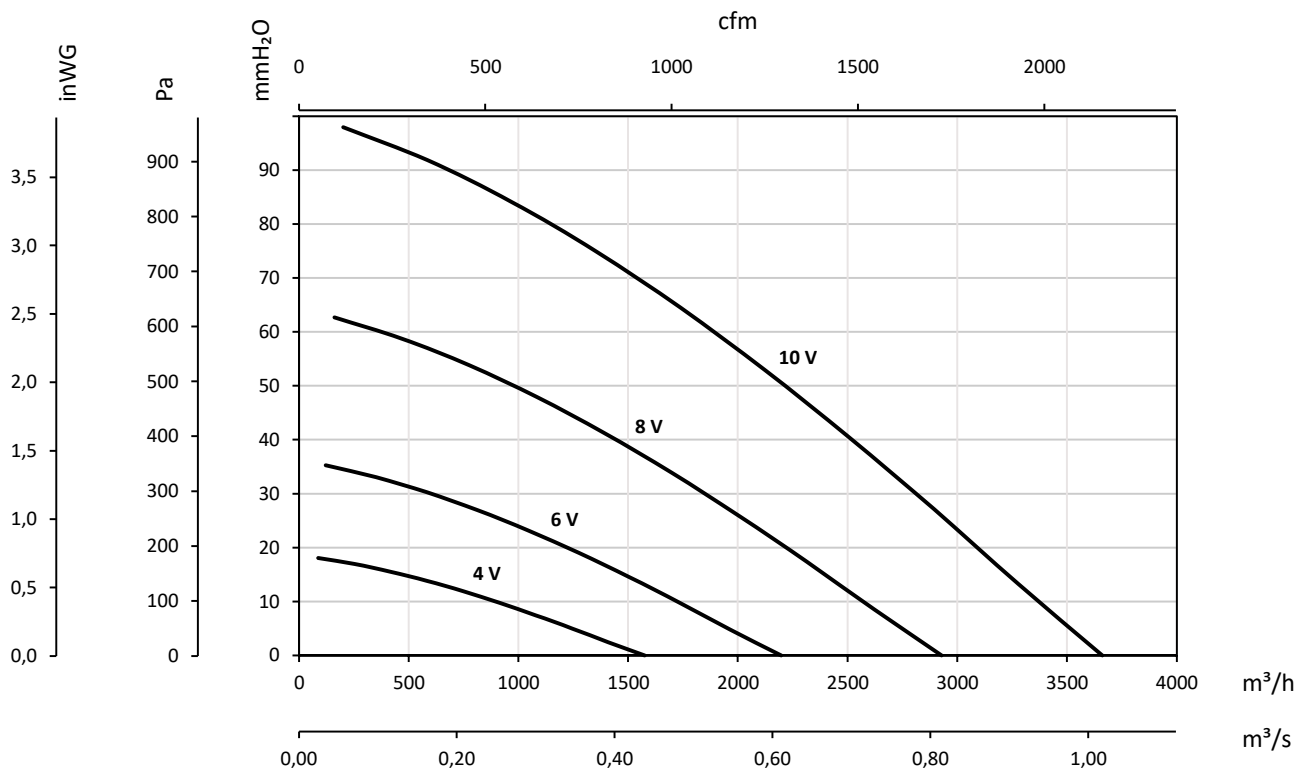
Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

Pe= Static pressure in mm H<sub>2</sub>O, Pa and inWG

#### CA/LINE/EC-31



#### CA/LINE/EC-35



**Characteristic curves**

Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

Pe= Static pressure in mm H<sub>2</sub>O, Pa and inwg

