CHT/EC

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

EC TECHNOLOGY MOTOR with integrated electronics

EC CONTROL Supplied as an optional accessory

Fan:
- Support base in galvanized steel sheet.
- Backward curved impeller made of galvanised 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 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 galvanized steel sheet and aluminum.

Support for roof-mounting

Order code

CHT/EC — 315 — 4M — 0.75 — IE5

- ***CHT/EC***: CHT/EC: Centrifugal roof fans with horizontal air outlet, with EC Technology IE5 motor
- ***315***: Impeller size
- ***4M***: Number of motor poles 4=1400 r/min 50 Hz 6=900 r/min 50 Hz; M = Single-phase
- ***0.75***: Motor power (HP)
- ***IE5***: IE5 motor

Technical characteristics

Model	Speed	Maximum admissible current (A)	Max. electric power	Maximum flow rate	Sound pressure level dB (A)		Approx. weight
	(r/min)	230V	(kW)	(m^3/h)	Inlet	Exhaust	(Kg)
CHT/EC-315-4M-0.75 IE5	1380	4.8	0.55	4950	48	54	39
CHT/EC-400-6M-0.55 IE5	900	3.4	0.37	4500	44	50	56
CHT/EC-450-6M-0.55 IE5	900	3.4	0.37	6900	47	54	59

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

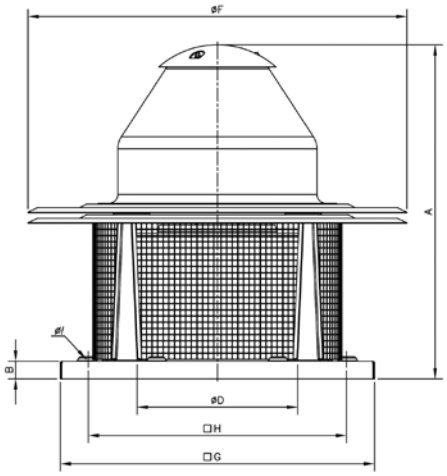
Values measured at inlet with maximum flow rate (Qmax)

	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



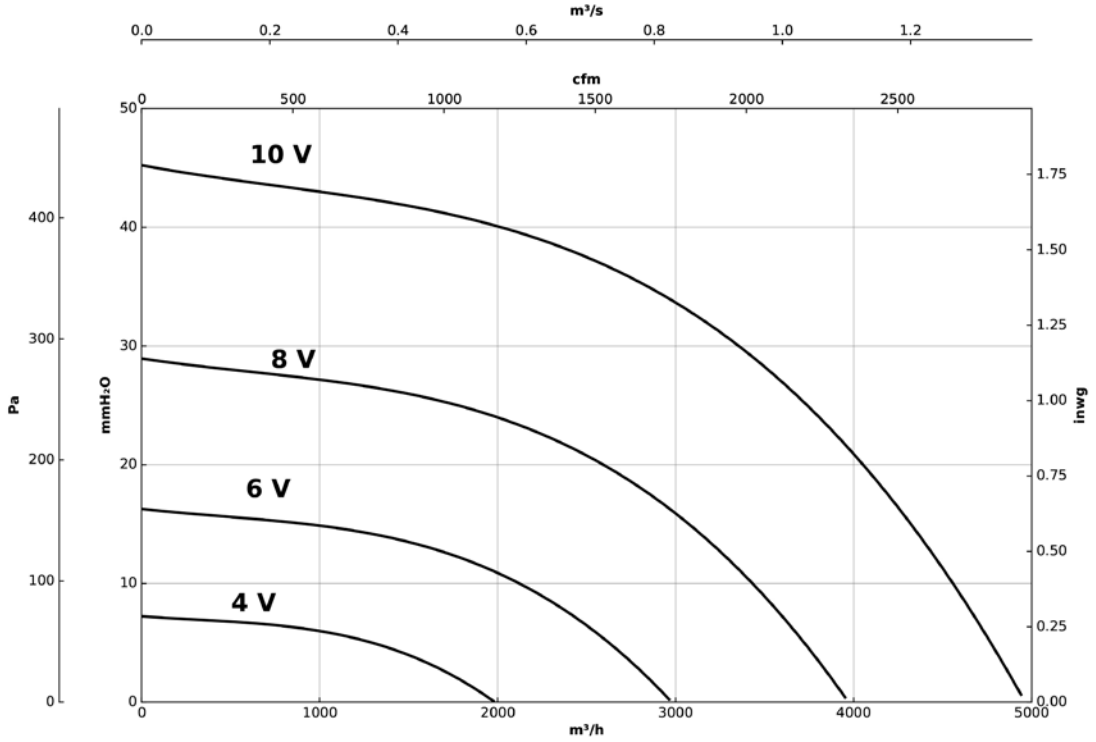
	A	B	øD*	øF	G	H	øI
CHT/EC-315-4M	670	30	355	726	560	450	12
CHT/EC-400-6M	755	40	500	856	710	590	12
CHT/EC-450-6M	770	40	500	856	710	590	12

* Recommended nominal tube diameter

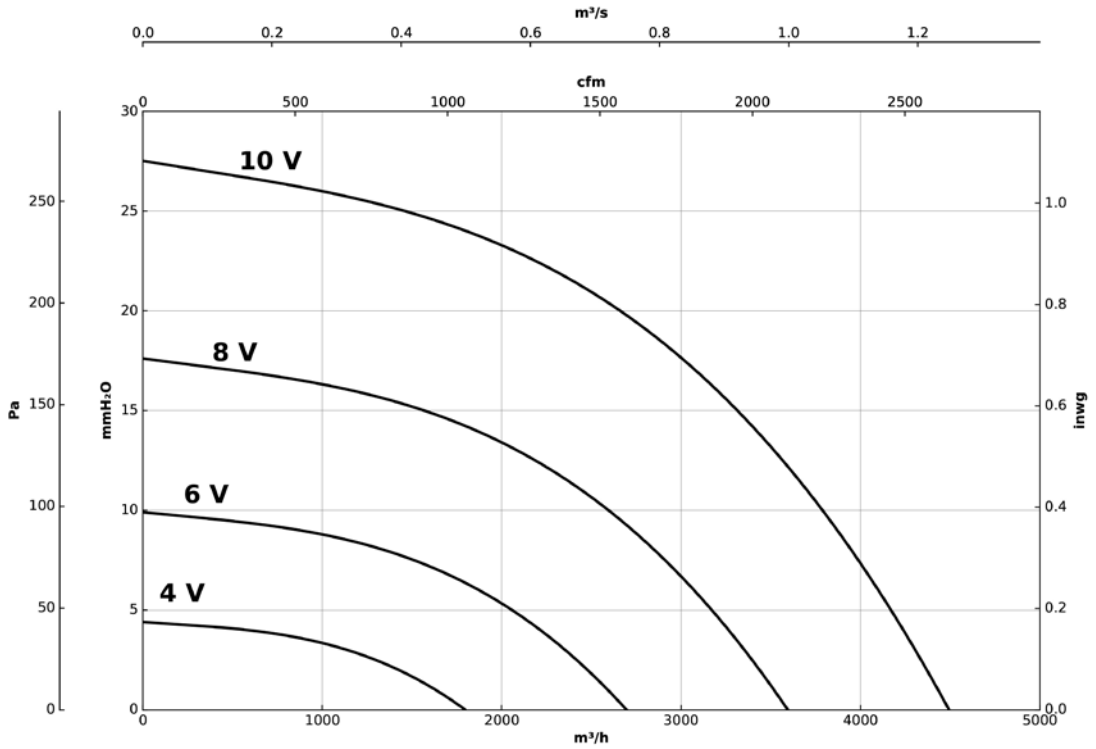
Characteristic curves

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

CHT/EC-315-4M



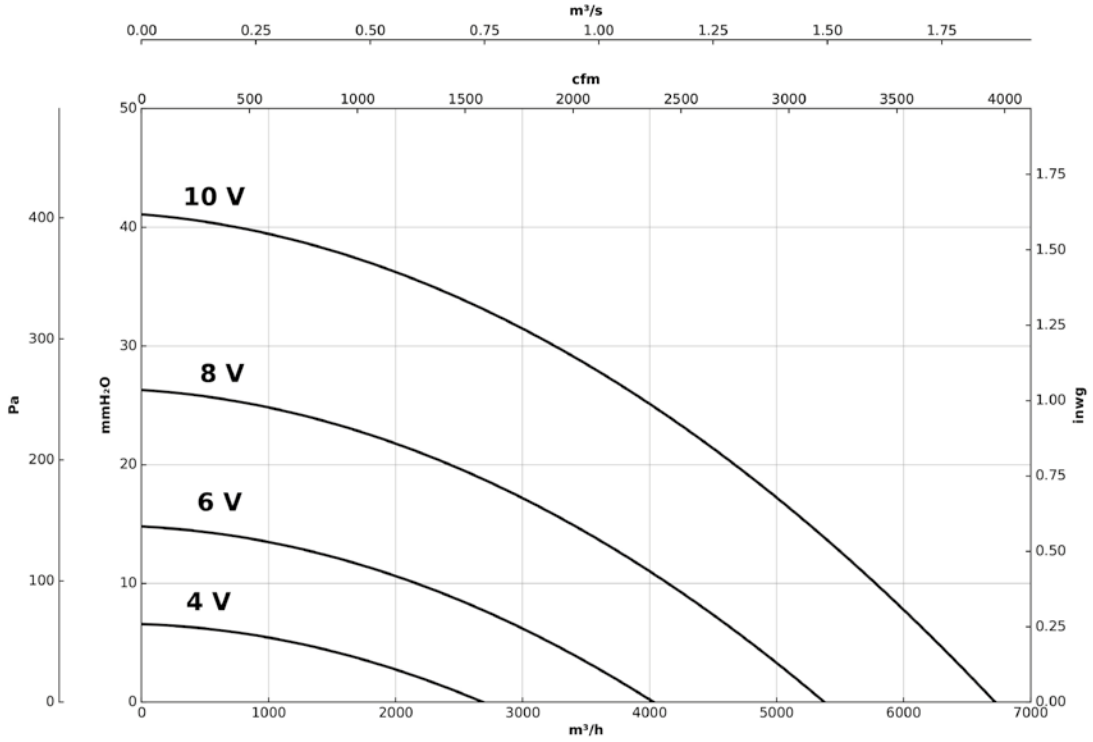
CHT/EC-400-6M



Characteristic curves

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

CHT/EC-450-6M



Accessories


INT


EC CONTROL


RM


B


BAC


MS


PA


BS


BSS


PT


S


SI-CO2 IND


SI-TEMP IND


SI-TEMP+HUMEDAD


SI-HUMEDAD


SI-MF


SI-PRESIÓN