CVT

400 ºC/2h centrifugal roof fans with vertical air outlet, aluminum hood

Fan:
- Support base in galvanized steel sheet.
- Backward curved impeller made of galvanised sheet steel.
- Bird protection grid.
- Aluminum rain cover.
- Approved in accordance with standard EN 12101-3, with certificate no.: 0370-CPR-1892.
- Maximum temperature of air to be carried: -25 ºC +120 ºC.

Motor:
- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings. IP55 protection. Except single-phase models, with IP54 protection. 1 or 2 speeds depending on model.
- Single-phase 230 V 50 Hz and three-phase 230/400 V 50 Hz.
- Working temperature: -25 ºC +50 ºC.

Finish:
- Anti-corrosive in galvanized steel sheet and aluminum.

On request:
- Special windings for different voltages.
- ATEX certified Category 3.

Order code

CVT — 200 — 4T — BS

- **CVT**: CVT: 400 ºC/2h centrifugal roof fans with vertical air outlet, aluminum hood
- **200**: Impeller size
- **4T**: Number of motor poles 4=1400 r/min 50 Hz 6=900 r/min 50 Hz; M = Single-phase T = Three-phase
- **BS**: BS: Raised support base BSS: Raised support base with silencer

Technical characteristics

Model	Speed	Maximum admissible current (A)		Installed power	Maximum flow rate	Sound pressure level[1] dB (A)		Approx. weight
	(r/min)	230V	400V	(kW)	(m^3/h)	Inlet	Exhaust	(Kg)
CVT-200-4T	1350	1.66	0.96	0.25	1450	36	43	25
CVT-200-4M	1380	1.70		0.25	1450	36	43	25
CVT-225-4T	1350	1.66	0.96	0.25	2100	40	46	25
CVT-225-4M	1380	2.60		0.25	2100	40	46	25
CVT-250-4T	1350	1.66	0.96	0.25	3100	44	49	34
CVT-250-4M	1380	2.60		0.25	3100	44	49	34
CVT-315-4T	1380	2.92	1.69	0.55	4950	47	53	39
CVT-315-4M	1380	3.30		0.55	4950	47	53	39
CVT-400-4T IE3	1420	2.82	1.62	0.75	7000	54	60	58
CVT-400-4M	1380	4.40		0.75	7000	54	60	57
CVT-400-6T	900	2.24	1.30	0.37	4500	43	49	56
CVT-450-4T IE3	1440	5.41	3.11	1.50	10200	58	63	74
CVT-450-6T	900	2.24	1.30	0.37	6720	46	53	59
CVT-500-6T IE3	945	4.68	2.69	1.10	12000	50	55	109
CVT-560-6T IE3	950	9.08	5.22	2.20	17300	53	59	130
CVT-630-6T IE3	960	15.60	8.99	4.00	24700	57	61	166

1 Sound pressure level in dB(A) at a distance of 6 m and at maximum flow rate.

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

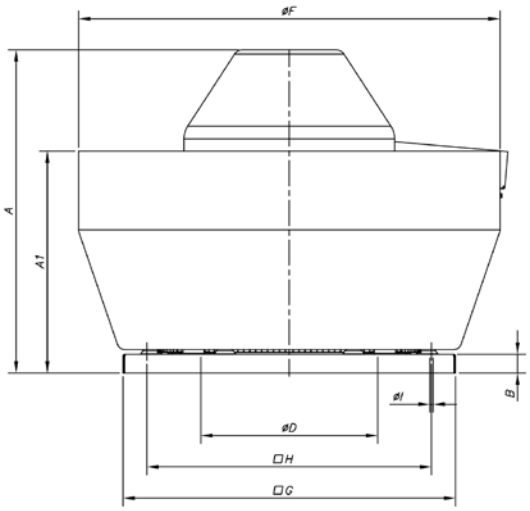
Values measured at inlet with maximum flow rate (Qmax)

	63	125	250	500	1000	2000	4000	8000
CVT-200-4	37	43	54	57	58	54	52	46
CVT-225-4	44	53	58	58	62	61	54	48
CVT-250-4	48	57	62	62	66	65	58	52
CVT-315-4	52	58	64	64	67	70	61	55
CVT-400-4	59	65	71	71	74	77	68	62
CVT-400-6	48	54	60	60	63	66	57	51
CVT-450-4	64	71	76	76	80	79	72	67
CVT-450-6	52	59	64	64	68	67	60	55
CVT-500-6	56	62	67	68	72	71	64	57
CVT-560-6	59	65	70	71	75	74	67	60
CVT-630-6	63	69	74	75	79	78	71	64

Values measured at exhaust with maximum flow rate (Qmax)

	63	125	250	500	1000	2000	4000	8000
CVT-200-4	41	46	60	62	63	63	58	53
CVT-225-4	43	52	62	66	69	66	59	53
CVT-250-4	46	55	65	69	72	69	62	56
CVT-315-4	51	63	71	73	74	74	66	58
CVT-400-4	58	70	78	80	81	81	73	65
CVT-400-6	47	59	67	69	70	70	62	54
CVT-450-4	62	74	82	84	85	82	75	67
CVT-450-6	52	64	72	74	75	72	65	57
CVT-500-6	52	66	74	78	77	74	68	62
CVT-560-6	56	70	78	82	81	78	72	66
CVT-630-6	59	73	81	85	74	81	75	69

Dimensions mm



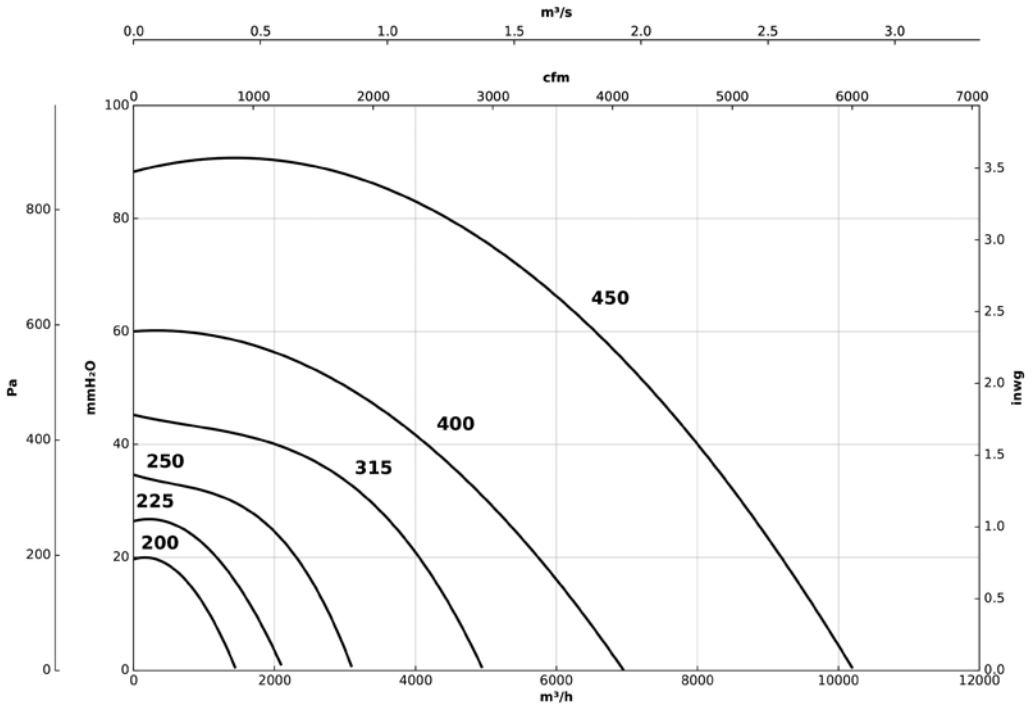
	A	A1	B	øD*	øF	G	H	øI
CVT-200	472	296	20	250	530	450	360	12
CVT-225	490	296	20	250	530	450	360	12
CVT-250	562	248	30	355	700	560	450	12
CVT-315	612	373	30	355	700	560	450	12
CVT-400	689	473	40	500	900	710	590	12
CVT-450	705	474	40	500	900	710	590	12
CVT-500	772	545	40	630	1100	900	750	14
CVT-560	957	678	40	710	1295	1100	900	14
CVT-630	1017	676	40	710	1295	1100	900	14

* Recommended nominal tube diameter

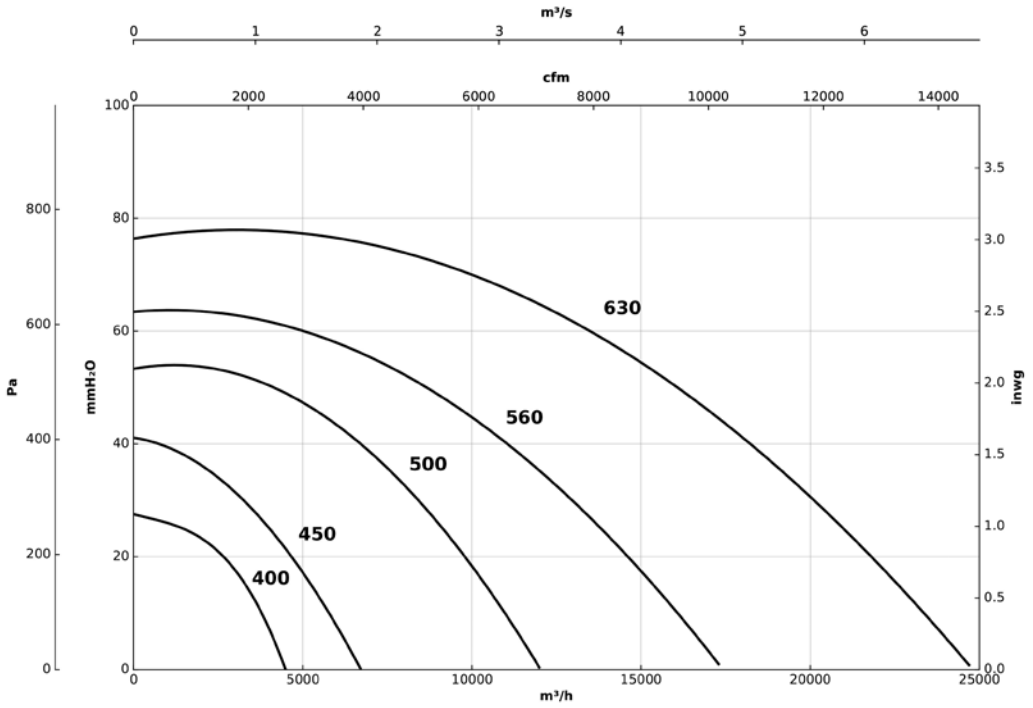
Characteristic curves

Q= Flow rate in m^3/h, m^3/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg

4M/4T=1500 r/min

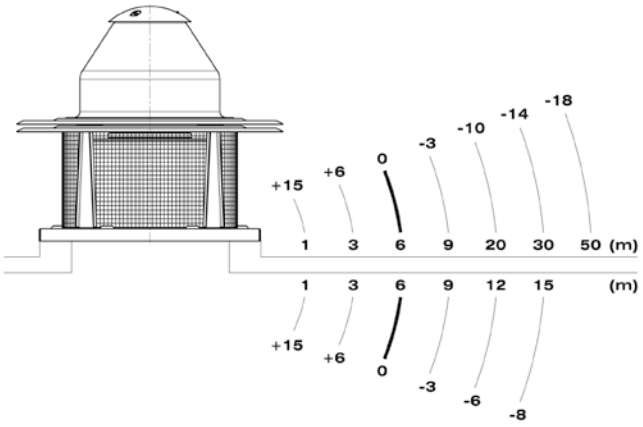


6T=1000 r/min



Sound pressure variation depending on distance

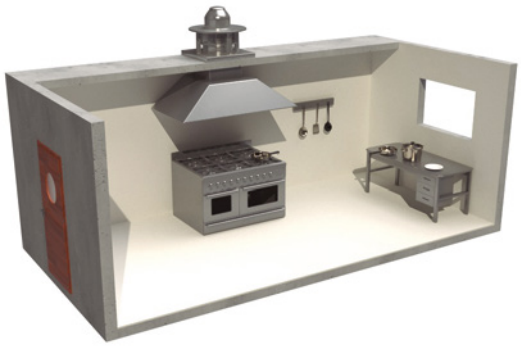
The noise level may vary depending on the roof or tile structure.



Application example

Extract fans suitable for use in industrial kitchens

For the correct application of standard:
• C.T.E. Código Técnico de la Edificación (Technical Building Code). Basic Document SI on fire safety. Basic Document HS on health and safety.



Accessories


INT


C2V


RM


VSD3/A-RFT - VSD1/A-RFM


B


BAC


MS


PA


BS


BSS


PT


S


SI-PIR


SI-TEMP+HUMEDAD


SI-PRESIÓN


SI-FUENTE DE ALIMENTACIÓN


SI-VENT


SI-PRESOSTATO