

CHT

400 °C/2h centrifugal roof fans with horizontal air outlet, aluminum hood



Fan:

- Support base in galvanized steel sheet.
- Backward curved impeller made of galvanized 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 °C +120 °C.

- 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 °C +50 °C.

Finish:

- Anti-corrosive in galvanized steel sheet and aluminum.

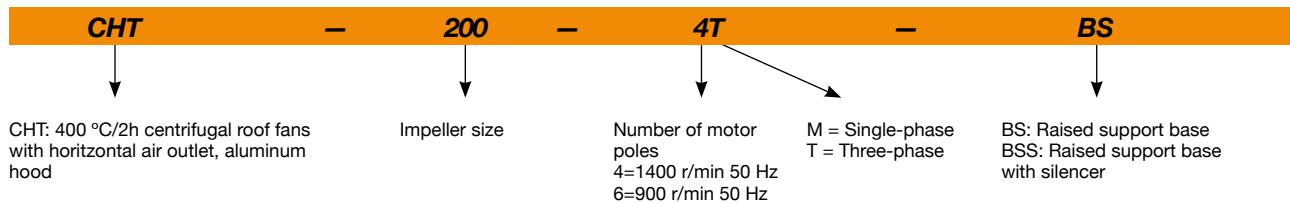
Motor:

- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.

On request:

- Special windings for different voltages.
- ATEX certified Category 3.

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level ¹ dB (A)		Approx. weight (Kg)
		230V	400V			Inlet	Exhaust	
CHT-200-4T	1350	1.66	0.96	0.25	1450	36	43	25
CHT-200-4M	1380	1.70		0.25	1450	36	43	25
CHT-225-4T	1350	1.66	0.96	0.25	2100	40	46	25
CHT-225-4M	1380	2.60		0.25	2100	40	46	25
CHT-250-4T	1350	1.66	0.96	0.25	3100	44	49	34
CHT-250-4M	1380	2.60		0.25	3100	44	49	34
CHT-315-4T	1380	2.92	1.69	0.55	4950	47	53	39
CHT-315-4M	1380	3.30		0.55	4950	47	53	39
CHT-400-4T IE3	1420	2.82	1.62	0.75	7000	54	60	58
CHT-400-4M	1380	4.40		0.75	7000	54	60	57
CHT-400-6T	900	2.24	1.30	0.37	4500	43	49	56
CHT-450-4T IE3	1440	5.41	3.11	1.50	10200	58	63	74
CHT-450-6T	900	2.24	1.30	0.37	6720	46	53	59
CHT-500-6T IE3	945	4.68	2.69	1.10	12000	50	55	109
CHT-560-6T IE3	950	9.08	5.22	2.20	17300	53	59	130
CHT-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

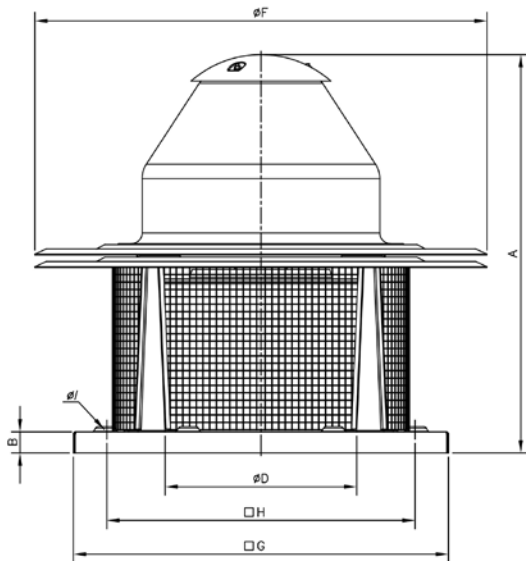
Values measured at inlet with maximum flow rate (Qmax)

	63	125	250	500	1000	2000	4000	8000
CHT-200-4	37	43	54	57	58	54	52	46
CHT-225-4	44	53	58	58	62	61	54	48
CHT-250-4	48	57	62	62	66	65	58	52
CHT-315-4	52	58	64	64	67	70	61	55
CHT-400-4	59	65	71	71	74	77	68	62
CHT-400-6	48	54	60	60	63	66	57	51
CHT-450-4	64	71	76	76	80	79	72	67
CHT-450-6	52	59	64	64	68	67	60	55
CHT-500-6	56	62	67	68	72	71	64	57
CHT-560-6	59	65	70	71	75	74	67	60
CHT-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
CHT-200-4	41	46	60	62	63	63	58	53
CHT-225-4	43	52	62	66	69	66	59	53
CHT-250-4	46	55	65	69	72	69	62	56
CHT-315-4	51	63	71	73	74	74	66	58
CHT-400-4	58	70	78	80	81	81	73	65
CHT-400-6	47	59	67	69	70	70	62	54
CHT-450-4	62	74	82	84	85	82	75	67
CHT-450-6	52	64	72	74	75	72	65	57
CHT-500-6	52	66	74	78	77	74	68	62
CHT-560-6	56	70	78	82	81	78	72	66
CHT-630-6	59	73	81	85	74	81	75	69

Dimensions mm



	A	B	øD*	øF	G	H	øI
CHT-200	530	20	250	570	450	360	12
CHT-225	548	20	250	570	450	360	12
CHT-250	620	30	355	726	560	450	12
CHT-315	670	30	355	726	560	450	12
CHT-400	755	40	500	856	710	590	12
CHT-450	770	40	500	856	710	590	12
CHT-500	846	40	630	1072	900	750	14
CHT-560	1035	40	710	1300	1100	900	14
CHT-630	1096	40	710	1300	1100	900	14

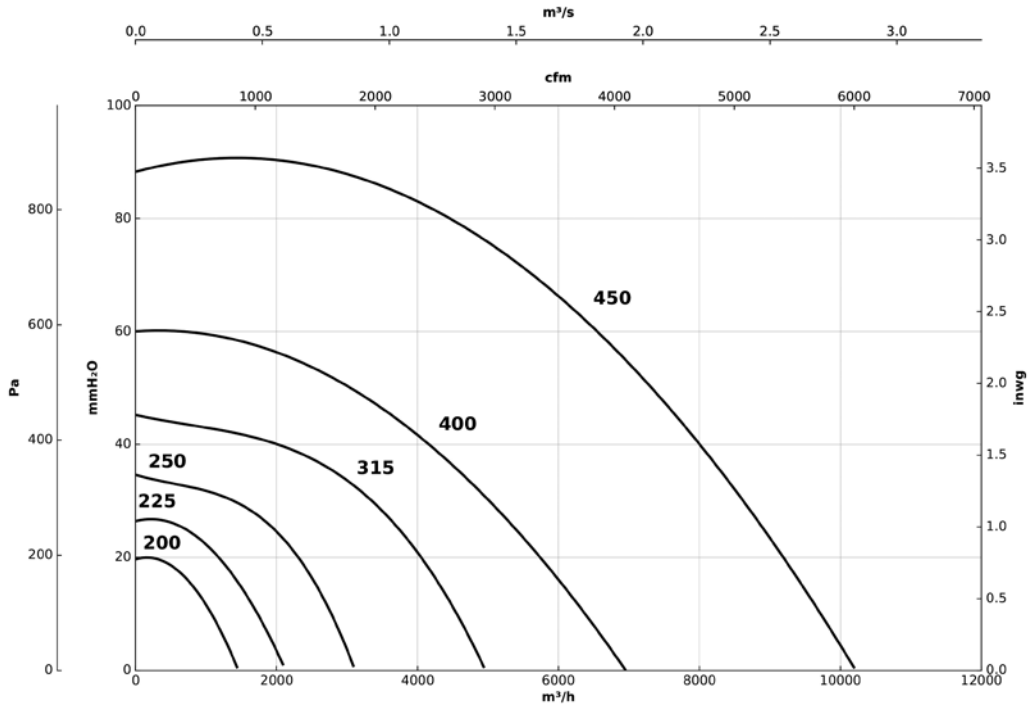
* Recommended nominal tube diameter

Characteristic curves

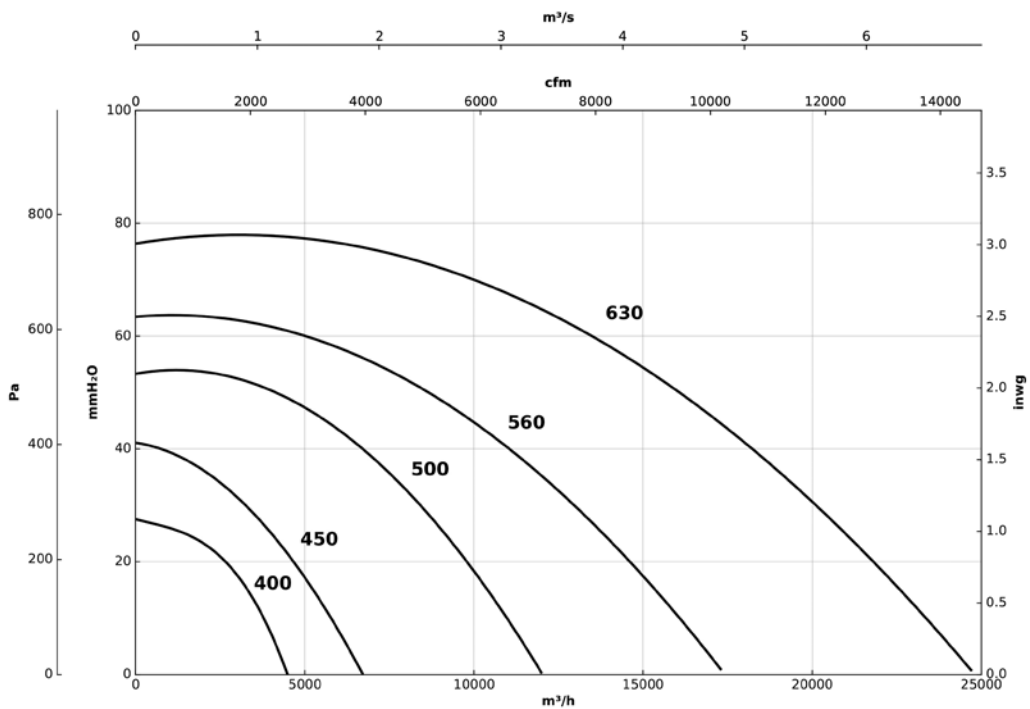
Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg

4M/4T=1500 r/min

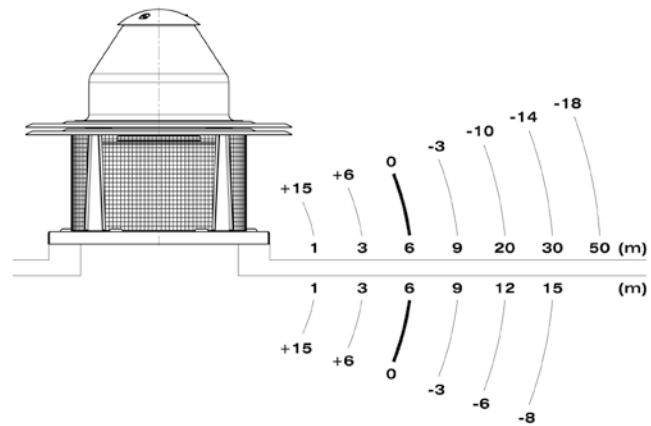


6T=1000 r/min



Sound pressure variation depending on distance

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

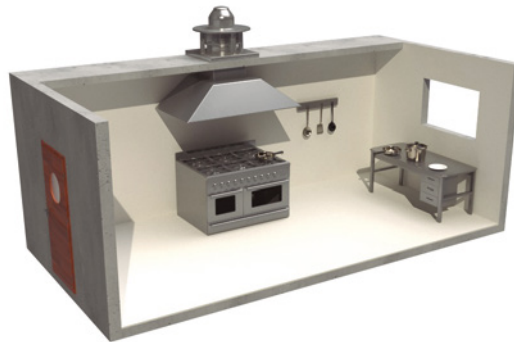


Application example

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



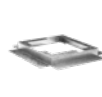
VSD3/A-RFT
- VSD1/A-RFM



B



BAC



MS



PA



BS



BSS



PT



S



SI-PIR



SI-
TEMP+HUMEDAD



SI-PRESIÓN



SI-FUENTE DE
ALIMENTACIÓN



SI-VENT



SI-PRESOSTATO