

# CHT CVT

400°C/2h centrifugal roof-mounted extract fans, with horizontal or vertical air outlets



CHT



CVT

CHT: 400°C/2h centrifugal roof-mounted extract fans, with horizontal air outlet and aluminium rain cover.

CVT: 400°C/2h centrifugal roof-mounted extract fans, with vertical air outlet and aluminium rain cover.

**Fan:**

- Galvanised sheet steel support base.
- Impeller with reaction blades, made of galvanised sheet steel.
- Bird guard.
- Aluminium rain cover.
- Approved in accordance with standard EN 12101-3, with certificate no.: 0370-CPR-0897.

**Motor:**

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

- Class F motors with ball bearings and IP55 protection except single-phase models, IP54 protection and 1 or 2 speeds, depending on model.
- Single-phase 230V-50Hz and three-phase 230/400V-50Hz.
- Maximum temperature of air to be carried: -25°C+ 120°C.

**Finish:**

- Anti-corrosive galvanised sheet steel and aluminium.

**On request:**

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



Support for roof-mounting



## Order code

**CHT — 200 — 4T — BS**

CHT: 400°C/2h centrifugal roof-mounted extract fans, with horizontal air outlet.

CVT: 400°C/2h centrifugal roof-mounted extract fans, with vertical air outlet

Impeller size

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

BS: Raised support base  
BSS: Raised support base with silencer

## Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level dB(A)		Approx. weight (kg)	According to ErP
		230 V	400 V			Inlet	Exhaust		
CHT CVT 200-4T	1350	1.66	0.96	0.25	1450	37	43	25	2018
CHT CVT 200-4M	1380	0.65		0.25	1450	37	43	25	2018
CHT CVT 225-4T	1350	1.66	0.96	0.25	2100	41	47	25	2018
CHT CVT 225-4M	1380	0.95		0.25	2100	41	47	25	2018
CHT CVT 250-4T	1350	1.66	0.96	0.25	3100	45	50	34	2018
CHT CVT 250-4M	1380	1.35		0.25	3100	45	50	34	2018
CHT CVT 315-4T	1380	2.92	1.69	0.55	4950	48	54	39	2018
CHT CVT 315-4M	1380	3.30		0.55	4950	48	54	39	2018
CHT CVT 315-6T	900	2.24	1.30	0.37	3200	37	43	39	2018
CHT CVT 315-6M	910	0.95		0.37	3200	37	43	39	2018
CHT CVT 400-4T IE3	1420	2.82	1.62	0.75	7000	55	61	58	2018
CHT CVT 400-4M	1380	4.40		0.75	7000	55	61	57	2018
CHT CVT 400-6T	900	2.24	1.30	0.37	4500	44	50	56	2018
CHT CVT 450-4T IE3	1440	5.41	3.11	1.50	10200	59	64	74	2018

# AXIAL FANS AND ROOF-MOUNTED EXTRACT FANS

## Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum flow rate (m <sup>3</sup> /h)	Sound pressure level dB(A)		Approx. weight (kg)	According to ErP
		230 V	400 V			Inlet	Exhaust		
CHT CVT 450-6T	900	2.24	1.30	0.37	6900	47	54	59	2018
CHT CVT 500-6T IE3	945	4.68	2.69	1.10	12000	51	57	109	2018
CHT CVT 560-6T IE3	950	9.08	5.22	2.20	17300	54	61	130	2018
CHT CVT 630-6T IE3	960	15.60	8.99	4.00	24700	58	64	164	2018



### 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 pressure and noise level in dB(A) obtained in a free field at a distance of 6 m.

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

Values measured at inlet with 2/3 maximum flow rate (2/3Q<sub>max</sub>).

Model	63	125	250	500	1000	2000	4000	8000
200	35	41	52	55	56	52	50	44
225-4	42	51	56	56	60	59	52	46
250-4	46	55	60	60	64	63	56	50
315-4	50	56	62	62	65	68	59	53
315-6	39	45	51	51	54	57	48	42
400-4	57	63	69	69	72	75	66	60
400-6	46	52	58	58	61	64	55	49
450-4	62	69	74	74	78	77	70	65
450-6	50	57	62	62	66	65	58	53
500-6	54	60	65	66	70	69	62	55
560-6	57	63	68	69	73	72	65	58
630-6	61	67	72	73	77	76	69	62

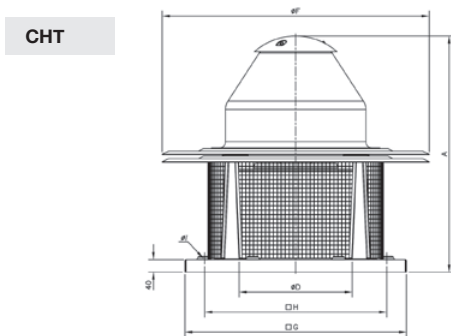
Values measured at exhaust with 2/3 maximum flow rate (2/3Q<sub>max</sub>).

Model	63	125	250	500	1000	2000	4000	8000
200	39	44	58	60	61	61	56	51
225-4	41	50	60	64	67	64	57	51
250-4	44	53	63	67	70	67	60	54
315-4	49	61	69	71	72	72	64	56
315-6	38	50	58	60	61	61	53	45
400-4	56	68	76	78	79	79	71	63
400-6	45	57	65	67	68	68	60	52
450-4	60	72	80	82	83	80	73	65
450-6	50	62	70	72	73	70	63	55
500-6	50	64	72	76	75	72	66	60
560-6	54	68	76	80	79	76	70	64
630-6	57	71	79	83	72	79	73	67

To obtain the L<sub>wa</sub> noise power spectra in dB(A) in inlet at maximum flow rate (Q<sub>max</sub>), add the values set out in the following chart to the L<sub>pA</sub> sound pressure level given in the characteristic curves:

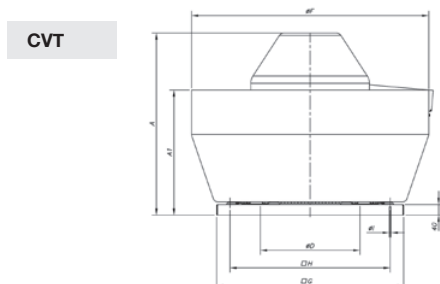
Frequency band (Hz)								
63	125	250	500	1000	2000	4000	8000	
2	9	15	15	18	18	11	5	

## Dimensions mm



Model	A	øD*	øF	G	H	øl
CHT-200	552	250	570	450	360	12
CHT-225	570	250	570	450	360	12
CHT-250	632	355	726	560	450	12
CHT-315	682	355	726	560	450	12
CHT-400	755	500	856	710	590	12
CHT-450	770	500	856	710	590	12
CHT-500	846	630	1075	900	750	14
CHT-560	1035	710	1300	1100	900	14
CHT-630	1098	710	1300	1100	900	14

(\*) Recommended pipe nominal diameter



Model	A	A1	øD*	øF	G	H	øl
CVT-200	500	308	250	530	450	360	12
CVT-225	517	308	250	530	450	360	12
CVT-250	580	380	355	705	560	450	12
CVT-315	630	380	355	705	560	450	12
CVT-400	690	475	500	900	710	590	12
CVT-450	705	475	500	900	710	590	12
CVT-500	775	545	630	1100	900	750	14
CVT-560	956	676	710	1295	1100	900	14
CVT-630	1017	676	710	1295	1100	900	14

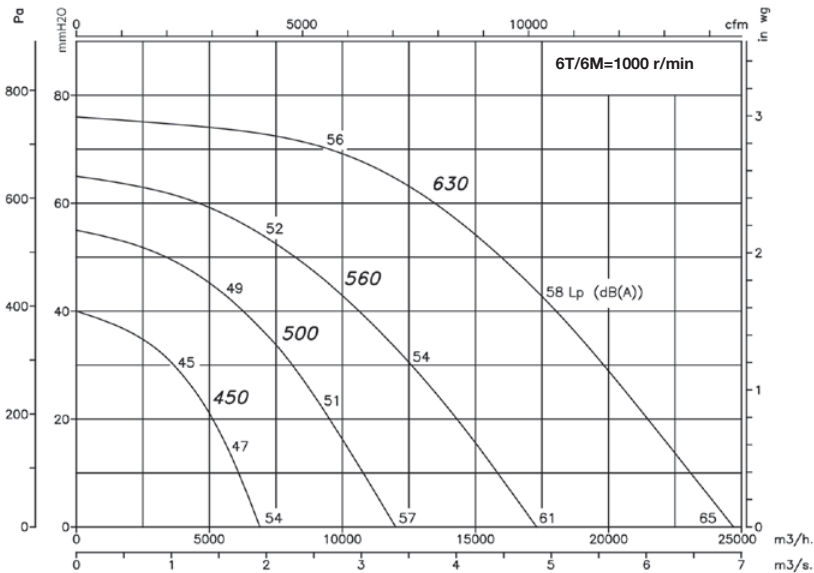
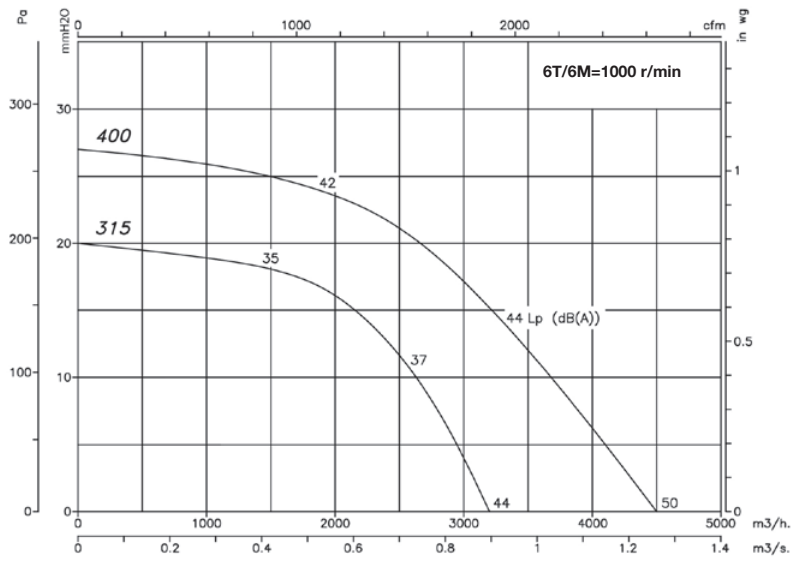
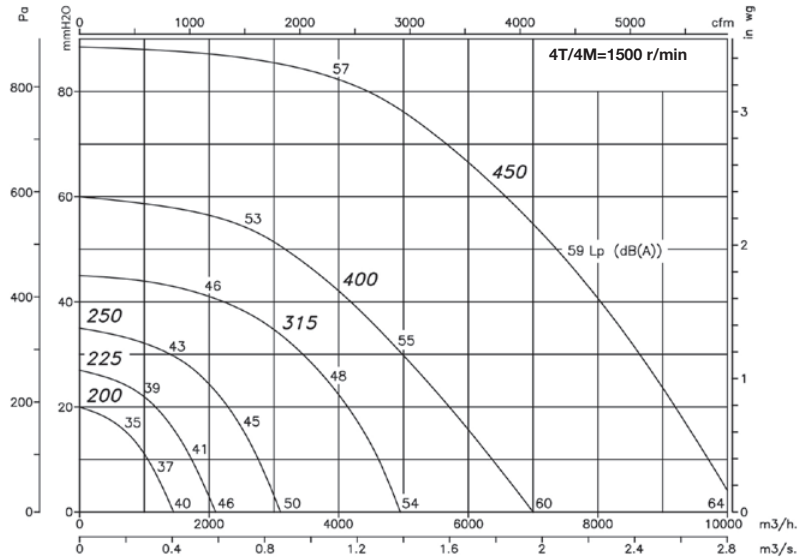
(\*) Recommended pipe nominal diameter

### 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.

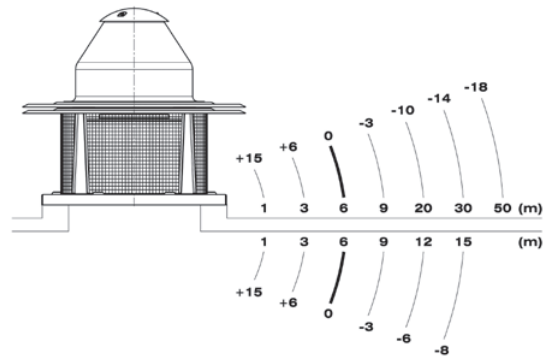
The Lp noise levels (dB(A)) indicated in the curves are pressures measured at the inlet and in a free field, at 6 metres.



## AXIAL FANS AND ROOF-MOUNTED EXTRACT FANS

### Sound pressure variation depending on distance

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

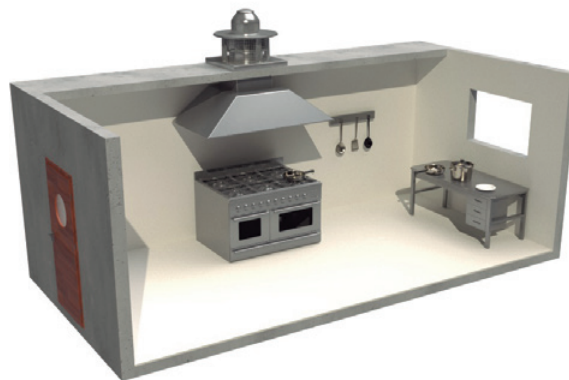


### Example of application

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

