



Range of direct driven backward curved centrifugal cabinet fans designed for smoke extraction in fire conditions and certified F400-120 (CE marked). The casings are manufactured from a robust galvanised frame work combined with panels internally lined with 25 mm thickness of fireproof fibreglass acoustic insulation (M0). All models incorporate F400-120 rated motors approved to operate continuously (S1) and in emergency situations (S2). Available, depending upon the model, with three phase motors in 4, 6 or 4/8 poles.

Motors

All the motors are IP55 Class H insulation. Electrical supply.
Three phase 230/400V-50Hz (1 speed).
Three phase 400-50Hz (2 speeds).

Specific applications



Officially approved to EN12101-3 standard. Certificate n° 0370-CPD-0753



Parkings



Commercial and industrial kitchens



Backward curved centrifugal impellers
To avoid the accumulation of dirtiness or grease. Dynamically balanced according to ISO 1940 standard.



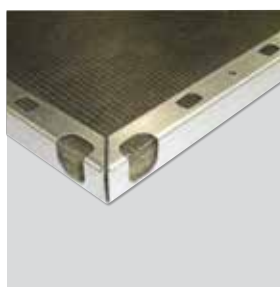
Approved motor S1 and S2
F400-120 rated motors approved to operate continuously (S1) and in emergency situations (S2).



Tight cabinet
Condensation drain holes to eliminate condensed water.



Easy to install
All fans are fitted with rigid framework with lifting rings to ease the installation on floor or ceiling.



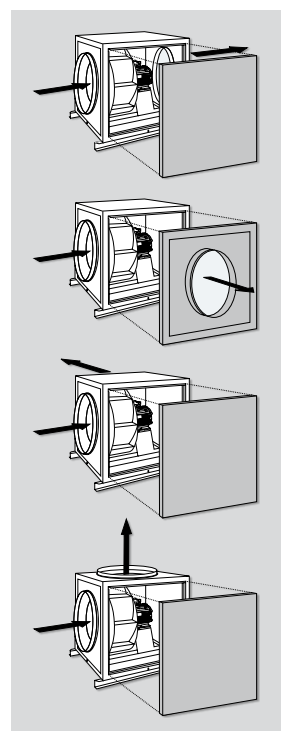
Low noise level
Panels manufactured from heavy gauge galvanized sheet steel internally lined with fireproof acoustic insulation (M0), to reduce significantly the radiated noise.



Anti-vibration mounts
To reduce vibration and noise transmissions to the installation.



Robustness
Quality finishing, with aluminium corners providing a high robustness.



Versatile design

TECHNICAL CHARACTERISTICS

Before installation check that the product electrical characteristics listed on the data plate label (voltage, power, frequency, etc.) match those of the intended electrical supply.

Model	Speed (rpm)	Maximum absorbed power (W)	Maximum absorbed current (A) at 400 V	Maximum air volume (m³/h)	Sound pressure level (dB(A)) at 1,5 m			Weight (kg)
					Outlet	Inlet	Radiated	
4 POLE								
CHAT/4-400	1415	0,75	2	4.200	58	63	53	80
CHAT/4-500	1435	1,5	3,4	6.200	63	70	58	110
CHAT/4-560	1475	2,2	4,6	8.800	75	76	60	185
6 POLE								
CHAT/6-560	960	1,1	3	5.700	65	67	53	185
CHAT/6-630	975	1,5	3,7	10.000	69	70	53	200
CHAT/6-710	965	2,2	5,2	14.000	73	74	58	215
CHAT/6-800	975	4	8,8	17.100	76	78	60	229
4/8 POLE - 2 SPEEDS								
CHAT/4/8-400	1420/710	0,8/0,2	2,2/0,85	4.200	58	63	53	80
CHAT/4/8-500	1430/715	1,5/0,25	3,75/1,15	6.200	63	70	58	110
CHAT/4/8-560	1430/715	2,2/0,37	5,1/1,6	8.800	75	76	60	187

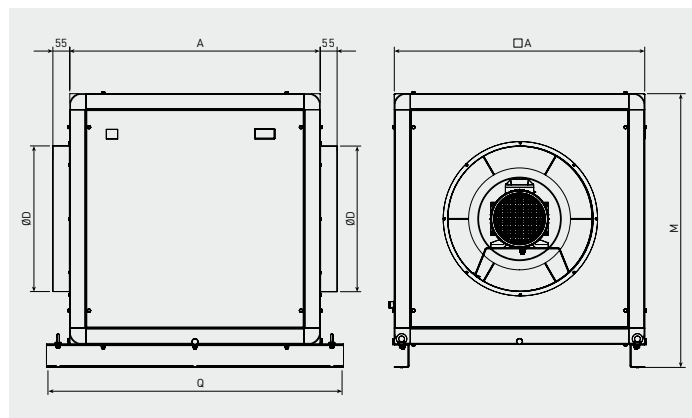
ACOUSTIC CHARACTERISTICS

Sound power level spectrum in dB(A) at the corresponding frequency band (Hz):

Model		63	125	250	500	1000	2000	4000	8000
CHAT/4-560	Inlet	59	74	81	84	88	80	70	63
	Outlet	67	69	72	76	89	81	69	62
	Radiated	59	64	63	61	73	62	53	47
CHAT/6-560	Inlet	50	65	72	75	79	71	61	54
	Outlet	56	66	71	75	74	71	64	54
	Radiated	49	61	63	60	58	52	48	39
CHAT/6-630	Inlet	62	68	74	79	81	71	64	52
	Outlet	65	66	68	78	82	70	63	61
	Radiated	56	59	58	62	64	49	46	44

Model		63	125	250	500	1000	2000	4000	8000
CHAT/6-710	Inlet	62	69	75	79	87	72	66	58
	Outlet	69	70	73	81	85	73	67	60
	Radiated	61	64	63	66	68	53	50	44
CHAT/6-800	Inlet	65	73	76	81	92	76	70	64
	Outlet	69	72	75	83	89	76	70	64
	Radiated	60	65	65	67	71	55	52	47

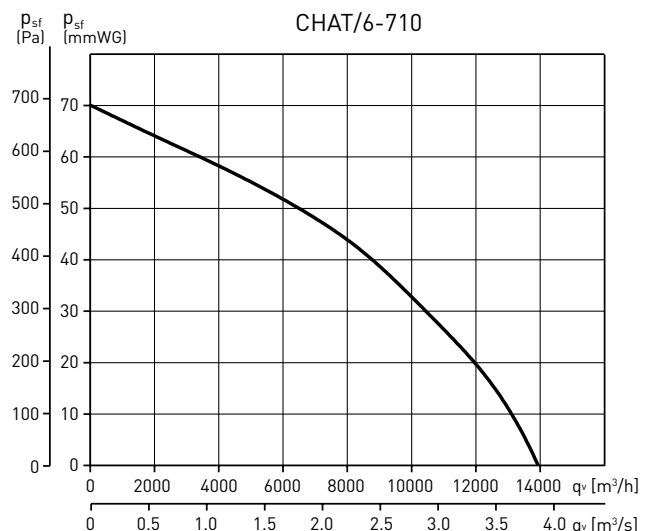
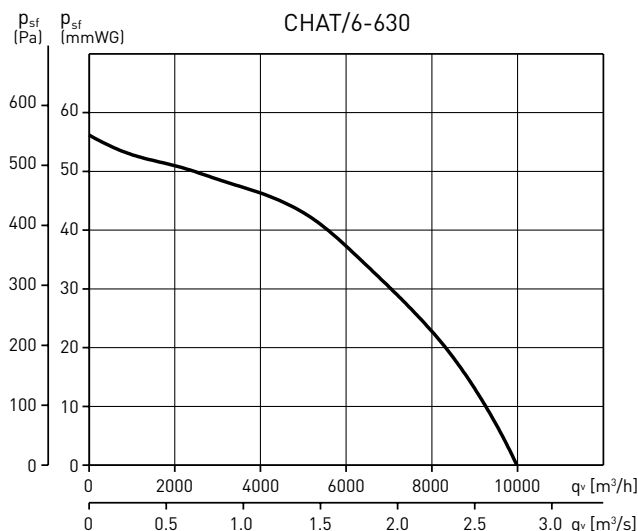
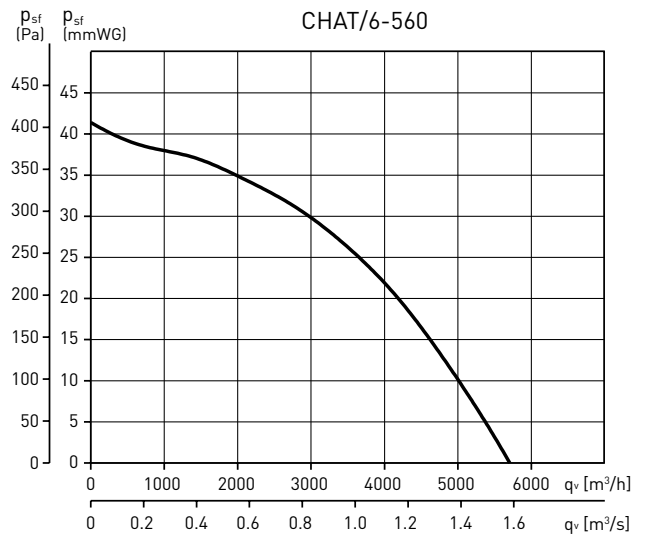
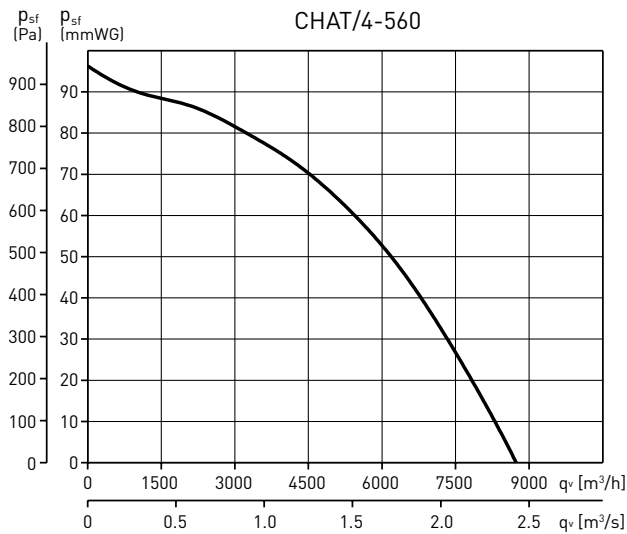
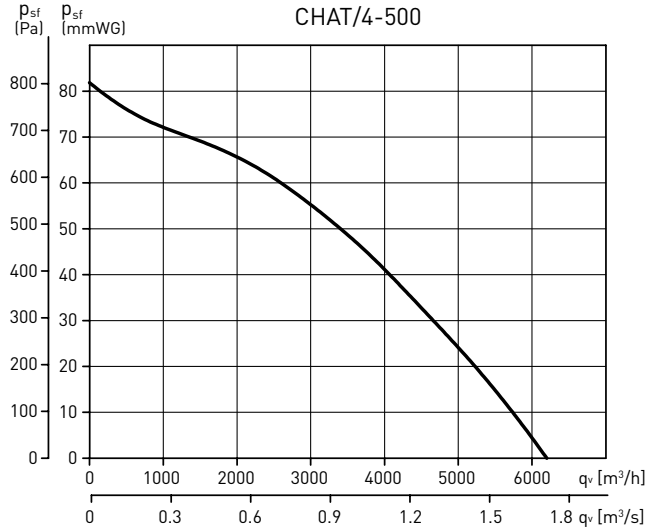
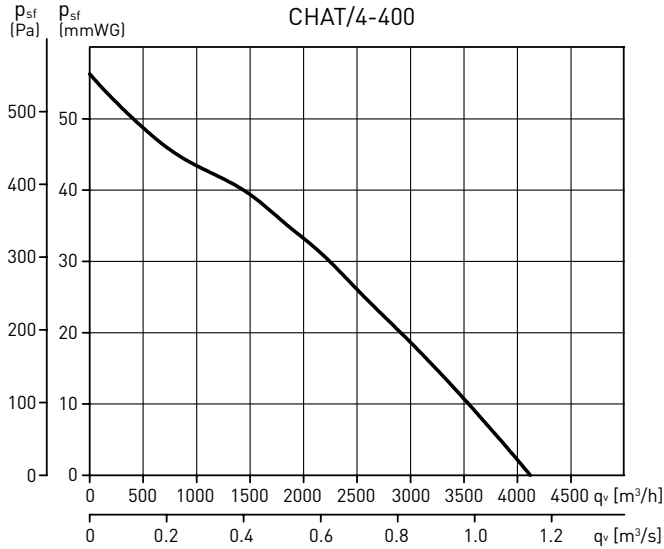
DIMENSIONS (mm)



Model	A	M	D	Q
400	648	728	355	852
500	798	878	400	1002
560	860	940	500	1020
630	920	1000	630	1080
710	980	1060	630	1140
800	1037	1117	710	1197

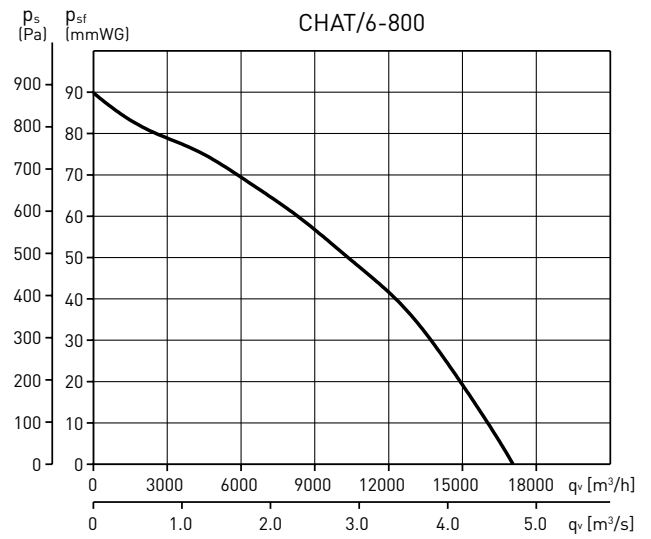
PERFORMANCE CURVES

- q_v : Air volume in m^3/h and m^3/s .
- p_{sf} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.



PERFORMANCE CURVES

- q_v : Air volume in m^3/h and m^3/s .
- p_{st} : Static pressure in mmWG and Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.



MOUNTING ACCESSORIES



ACOPEL F400 N*
Circular flexible connector
Certified F400-120.
Can be installed at the inlet or outlet side.

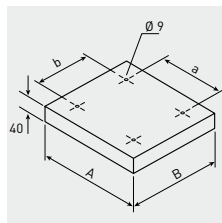


APC*
Protection guards for direct connection to the inlet-outlet fan flange connector.

* For more information see Mounting accessories.



CTI CVA/CHAT
Outdoor cover
For outdoor installations.



Model	A	B	a	b
CTI CVA/CHAT-3800/400	648	648	544	442
CTI CVA/CHAT-5600/500	798	798	693	593
CTI CVA/CHAT-9000/560	860	860	728	630
CTI CVA/CHAT-10000/630	920	920	788	690
CTI CVA/CHAT-14000/710	980	980	875	775
CTI CVA/CHAT-17000/800	1037	1037	932	832