

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 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-CPR-2475

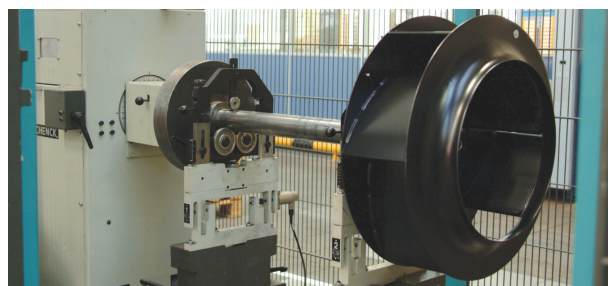
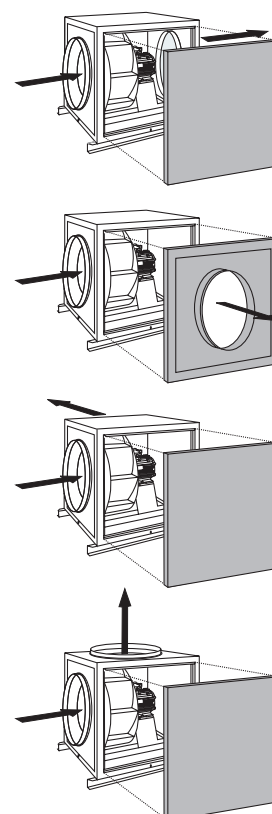


Car parks

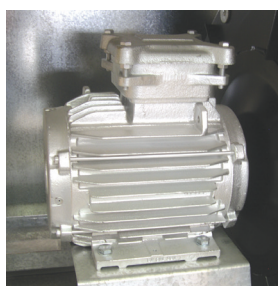


Commercial and industrial kitchens

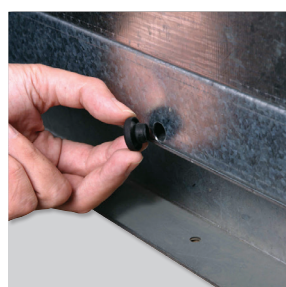
Versatile design



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



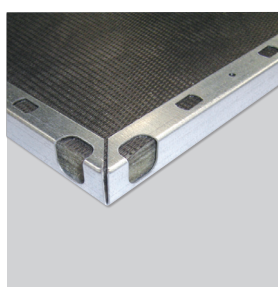
Approved motor S1 and S2
F400-120 rated motors approved to operate continuously (S1) and in emergency situations (S2).



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 galvanized sheet steel 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.

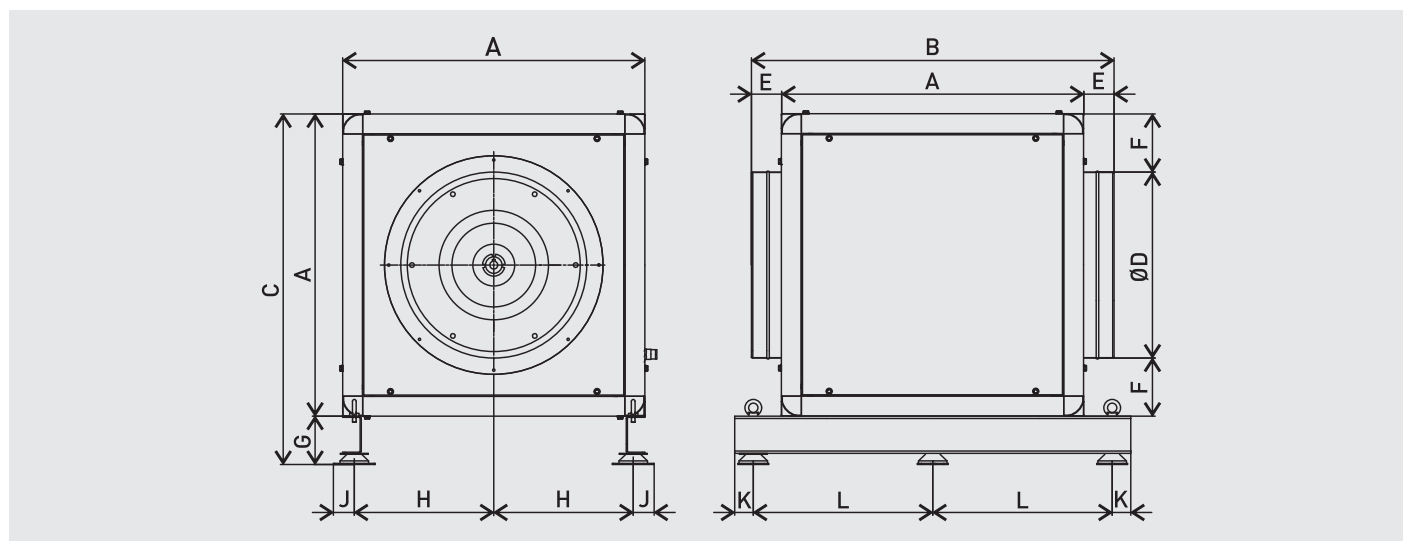
TECHNICAL CHARACTERISTICS

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)	Motor power (kW)	Nominal current (A)	Maximum airflow (m³/h)	Sound pressure level (dB(A)) at 1,5 m*			Weight (kg)	Speed controller
					Outlet	Inlet	Radiated		
4 POLE									
CHAT/4-400 N	1420	0,37	0,87	3.380	53	54	46	80	VFTM TRI 0,37
CHAT/4-450 N	1410	0,55	1,38	4.770	57	58	50	90	VFTM TRI 0,55
CHAT/4-500 N	1430	1,1	2,4	6.940	60	61	53	110	VFTM TRI 1,1
CHAT/4-560 N	1425	1,5	3,26	9.500	63	65	57	185	VFTM TRI 1,5
CHAT/4-630 N	1410	3	6,17	13.900	67	68	60	200	VFTM TRI 3
CHAT/4-710 N	1460	5,5	10,5	19.570	70	72	64	215	VFTM TRI 5,5
6 POLE									
CHAT/6-560 N	910	0,55	1,49	6.370	54	55	47	185	VFTM TRI 0,55
CHAT/6-630 N	925	1,1	2,78	9.320	58	59	51	200	VFTM TRI 1,1
CHAT/6-710 N	940	1,5	3,71	13.320	61	62	54	215	VFTM TRI 1,5
CHAT/6-800 N	960	3	7,3	18.950	65	66	58	229	VFTM TRI 3
4/8 POLE*									
CHAT/4/8-450 N	1430/715	0,55/0,09	1,7/0,84	4.770/2.380	57	58	50	90	-
CHAT/4/8-500 N	1430/720	1,1/0,18	2,73/1,21	6.940/3.490	60	61	53	110	-
CHAT/4/8-560 N	1425/720	1,5/0,25	3,65/1,6	9.500/4.800	63	65	57	185	-
CHAT/4/8-630 N	1410/705	3/0,55	6,29/2,35	13.900/6.950	67	68	60	200	-
CHAT/4/8-710 N	1475/735	5,5/1,1	11,7/3,7	19.570/9.750	70	72	64	215	-

* CHAT fans fitted with 2-speed motors are ErP no compliant

DIMENSIONS (mm)

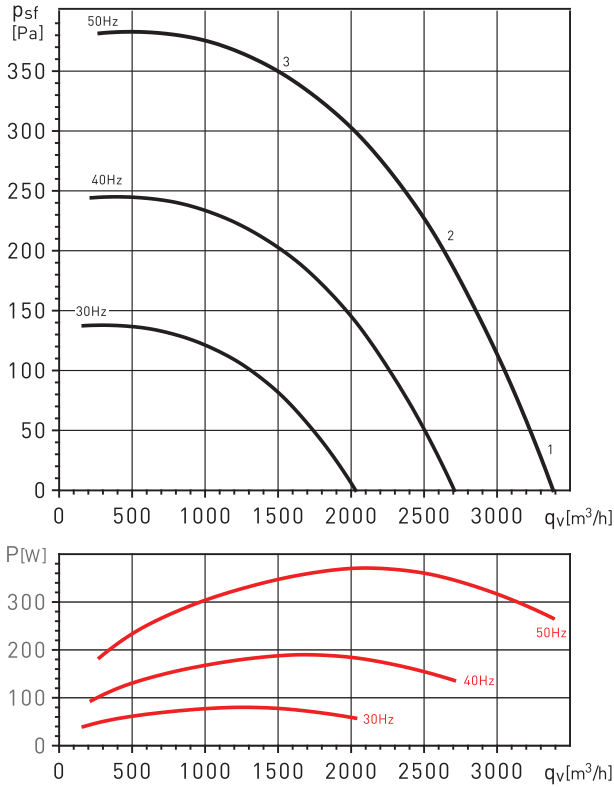


	A	B	C	D	E	F	G	H	J	K	L
CHAT/ -400 N	650	780	754	400	65	125	104	300	45	40	386
CHAT/ -450 N	650	760	754	448	55	101	104	300	45	40	386
CHAT/ -500 N	800	910	904	498	55	151	104	375	45	40	461
CHAT/ -560 N	860	970	964	558	55	151	104	405	45	40	470
CHAT/ -630 N	980	1090	1084	628	55	176	104	465	45	40	530
CHAT/ -710 N	1037	1147	1141	708	55	164,5	104	493,5	45	40	558,5
CHAT/ -800 N	1200	1310	1304	798	55	201	104	575	45	40	640

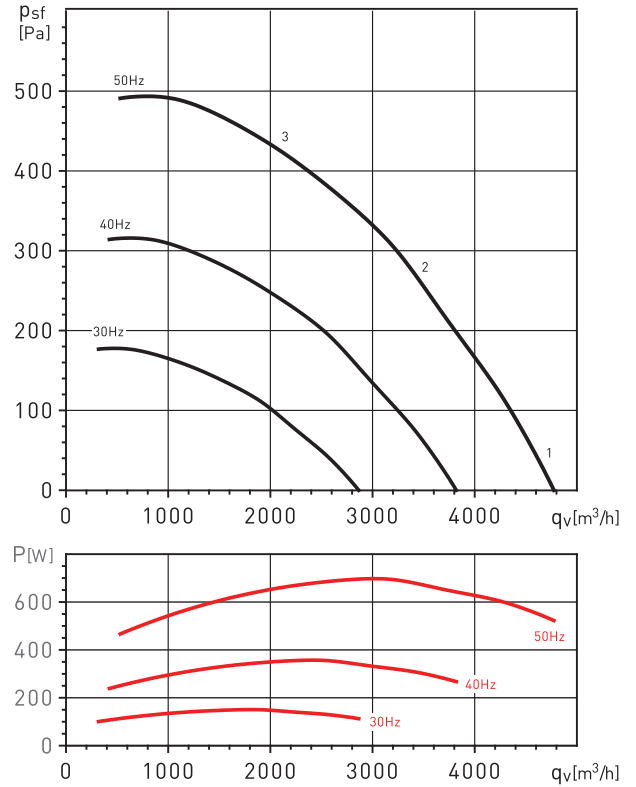
PERFORMANCE CURVES - 4 POLE MOTOR

- q_v : Airflow in m^3/h
- p_{sf} : Static pressure in Pa.
- P: input power in W
- Performance data in accordance with ISO 5801

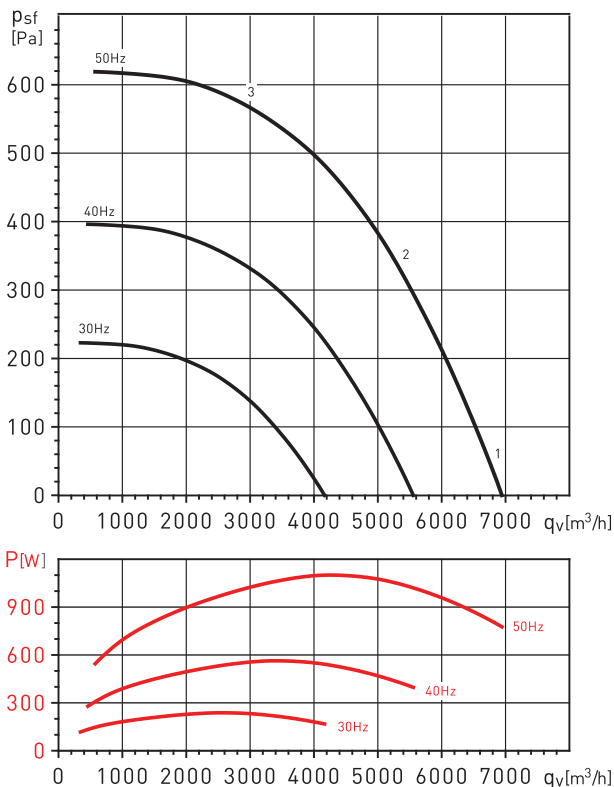
CHAT/4-400N 0,37kW



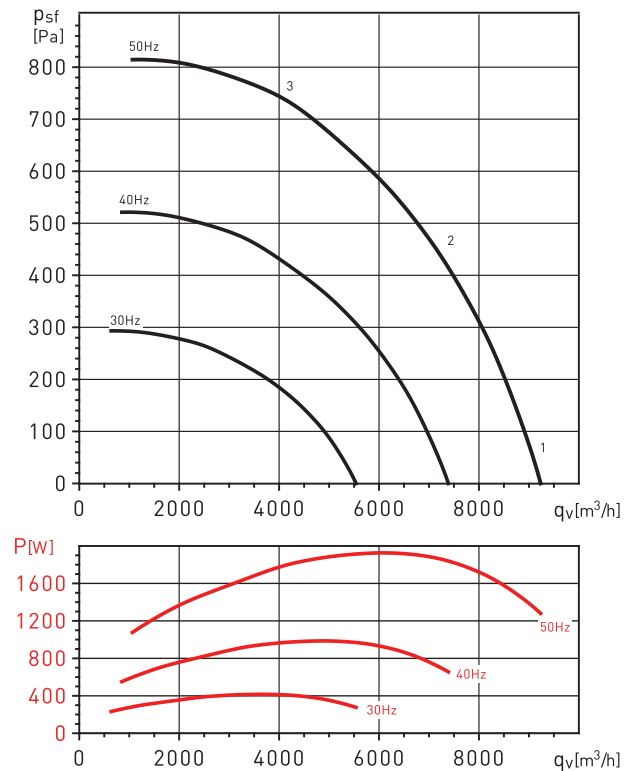
CHAT/4-450N 0,55kW



CHAT/4-500N 1,1kW



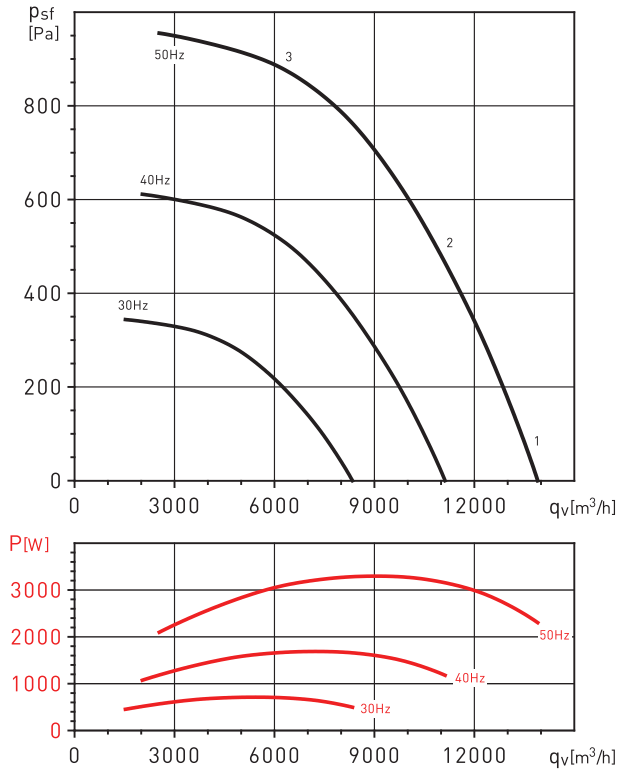
CHAT/4-560N 1,5kW



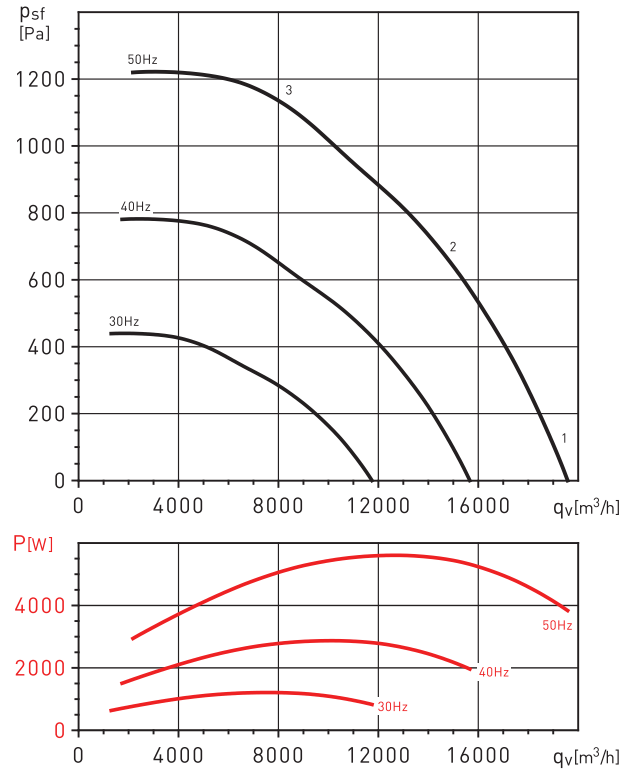
PERFORMANCE CURVES - 4 POLE MOTOR

- q_v : Airflow in m^3/h
- p_{sf} : Static pressure in Pa.
- P: input power in W
- Performance data in accordance with ISO 5801

CHAT/4-630N 3kW



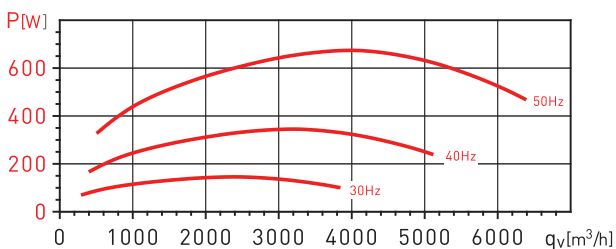
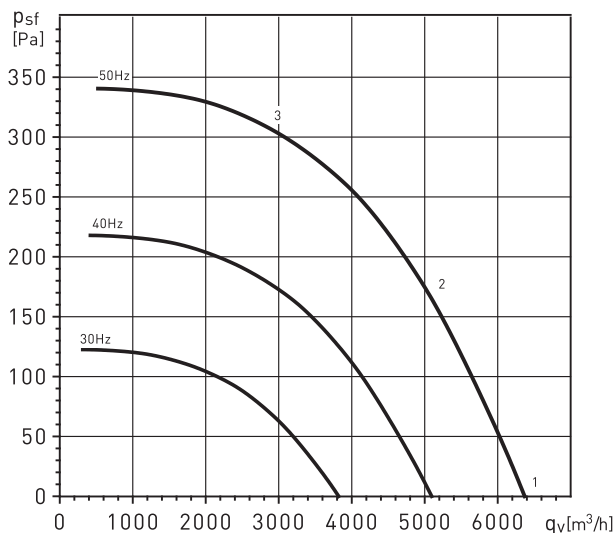
CHAT/4-710N 5,5kW



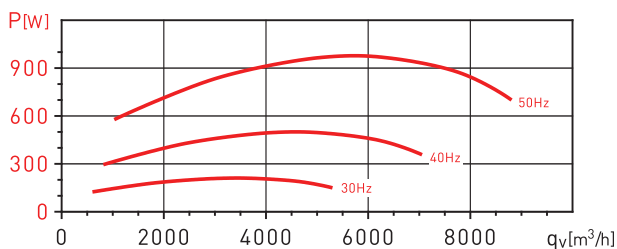
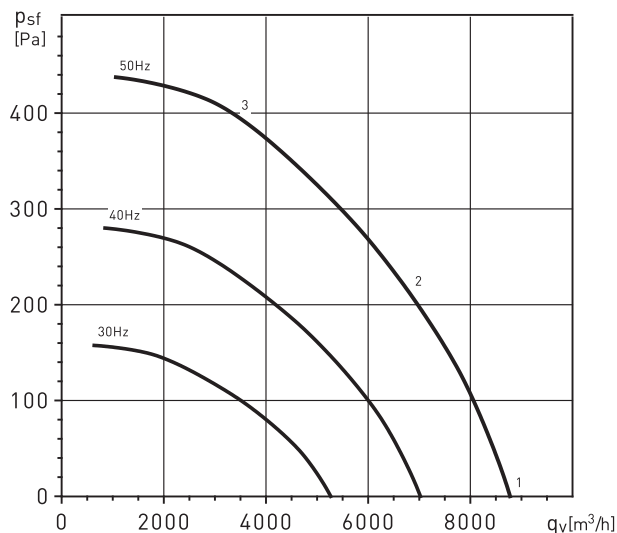
PERFORMANCE CURVES - 6 POLE MOTOR

- q_v : Airflow in m^3/h
- p_{sf} : Static pressure in Pa.
- P: input power in W
- Performance data in accordance with ISO 5801

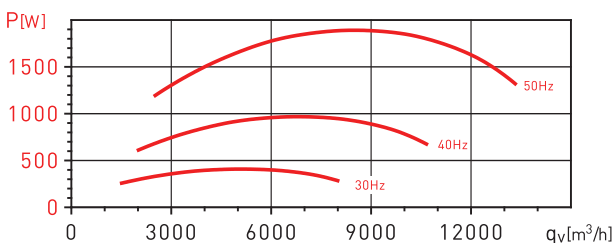
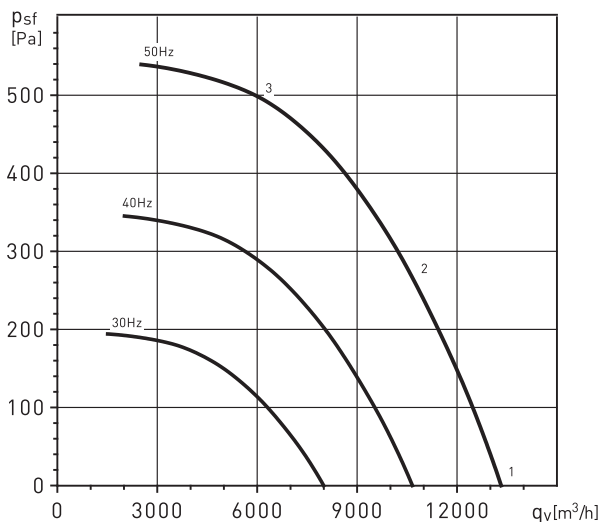
CHAT/6-560N 0,55kW



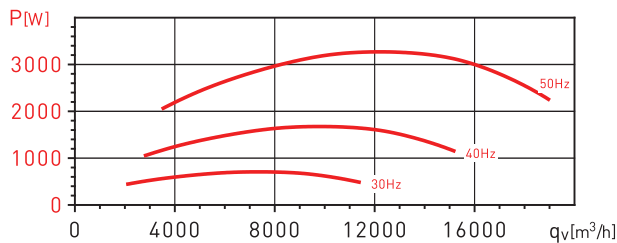
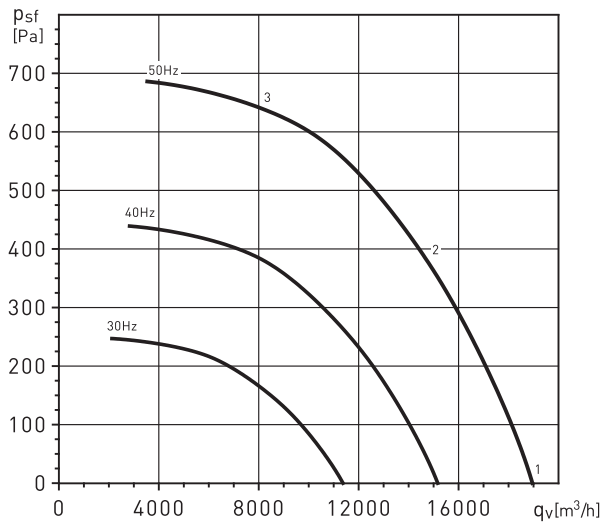
CHAT/6-630N 1,1kW



CHAT/6-710N 1,5kW



CHAT/6-800N 3kW



ACOUSTIC CHARACTERISTICS

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

CHAT/4-400 N										CHAT/4-450 N											
		63	125	250	500	1000	2000	4000	8000	LWA			63	125	250	500	1000	2000	4000	8000	LWA
INLET	1	43	57	63	65	63	67	59	52	72	INLET	1	47	61	67	69	67	71	63	56	75
	2	40	58	62	63	61	60	55	51	69		2	44	62	66	67	65	64	59	55	72
	3	42	61	62	64	62	61	57	53	70		3	46	65	66	68	66	65	61	57	74
OUTLET	1	49	55	59	61	68	68	61	53	73	OUTLET	1	53	59	63	65	72	72	65	57	76
	2	43	52	56	58	64	60	54	49	67		2	47	56	60	62	68	64	58	53	71
	3	49	55	56	58	64	60	54	49	68		3	53	59	60	62	68	64	58	53	71
RADIATED	1	35	49	55	57	55	59	51	44	64	RADIATED	1	39	53	59	61	59	63	55	48	67
	2	32	50	54	55	53	52	47	43	61		2	36	54	58	59	57	56	51	47	64
	3	34	53	54	56	54	53	49	45	62		3	38	57	58	60	58	57	53	49	66

CHAT/4-500 N										CHAT/4-560 N											
		63	125	250	500	1000	2000	4000	8000	LWA			63	125	250	500	1000	2000	4000	8000	LWA
INLET	1	51	65	71	73	71	75	67	60	79	INLET	1	54	68	74	76	74	78	70	63	82
	2	48	66	70	71	69	68	63	59	76		2	51	69	73	74	72	71	66	62	79
	3	50	69	70	72	70	69	65	61	77		3	53	72	73	75	73	72	68	64	80
OUTLET	1	57	63	67	69	76	76	69	61	80	OUTLET	1	60	66	70	72	79	79	72	64	83
	2	51	60	64	66	72	68	62	57	75		2	54	63	67	69	75	71	65	60	78
	3	57	63	64	66	72	68	62	57	75		3	60	66	67	69	75	71	65	60	78
RADIATED	1	43	57	63	65	63	67	59	52	71	RADIATED	1	46	60	66	68	66	70	62	55	74
	2	40	58	62	63	61	60	55	51	68		2	43	61	65	66	64	63	58	54	71
	3	42	61	62	64	62	61	57	53	69		3	45	64	65	67	65	64	60	56	72

CHAT/4-630 N										CHAT/4-710 N											
		63	125	250	500	1000	2000	4000	8000	LWA			63	125	250	500	1000	2000	4000	8000	LWA
INLET	1	57	71	77	79	77	81	73	66	86	INLET	1	61	75	81	83	81	85	77	70	89
	2	54	72	76	77	75	74	69	65	83		2	58	76	80	81	79	78	73	69	86
	3	56	75	76	78	76	75	71	67	84		3	60	79	80	82	80	79	75	71	87
OUTLET	1	63	69	73	75	82	82	75	67	86	OUTLET	1	67	73	77	79	86	86	79	71	90
	2	57	66	70	72	78	74	68	63	81		2	61	70	74	76	82	78	72	67	85
	3	63	69	70	72	78	74	68	63	81		3	67	73	74	76	82	78	72	67	85
RADIATED	1	49	63	69	71	69	73	65	58	78	RADIATED	1	53	67	73	75	73	77	69	62	81
	2	46	64	68	69	67	66	61	57	75		2	50	68	72	73	71	70	65	61	78
	3	48	67	68	70	68	67	63	59	76		3	52	71	72	74	72	71	67	63	79

CHAT/6-560 N										CHAT/6-630 N											
		63	125	250	500	1000	2000	4000	8000	LWA			63	125	250	500	1000	2000	4000	8000	LWA
INLET	1	44	58	64	66	64	68	60	53	72	INLET	1	48	62	68	70	68	72	64	57	76
	2	41	59	63	64	62	61	56	52	69		2	45	63	67	68	66	65	60	56	73
	3	43	62	63	65	63	62	58	54	71		3	47	66	67	69	67	66	62	58	75
OUTLET	1	50	56	60	62	69	69	62	54	73	OUTLET	1	54	60	64	66	73	73	66	58	77
	2	44	53	57	59	65	61	55	50	68		2	48	57	61	63	69	65	59	54	72
	3	50	56	57	59	65	61	55	50	68		3	54	60	61	63	69	65	59	54	72
RADIATED	1	36	50	56	58	56	60	52	45	64	RADIATED	1	40	54	60	62	60	64	56	49	68
	2	33	51	55	56	54	53	48	44	61		2	37	55	59	60	58	57	52	48	65
	3	35	54	55	57	55	54	50	46	63		3	39	58	59	61	59	58	54	50	67

CHAT/6-710 N										CHAT/6-800 N											
		63	125	250	500	1000	2000	4000	8000	LWA			63	125	250	500	1000	2000	4000	8000	LWA
INLET	1	51	65	71	73	71	75	67	60	80	INLET	1	55	69	75	77	75	79	71	64	84
	2	48	66	70	71	69	68	63	59	77		2	52	70	74	75	73	72	67	63	81
	3	50	69	70	72	70	69	65	61	78		3	54	73	74	76	74	73	69	65	82
OUTLET	1	57	63	67	69	76	76	69	61	80	OUTLET	1	61	67	71	73	80	80	73	65	84
	2	51	60	64	66	72	68	62	57	75		2	55	64	68	70	76	72	66	61	79
	3	57	63	64	66	72	68	62	57	75		3	61	67	68	70	76	72	66	61	79
RADIATED	1	43	57	63	65	63	67	59	52	72	RADIATED	1	47	61	67	69	67	71	63	56	76
	2	40	58	62	63	61	60	55	51	69		2	44	62	66	67	65	64	59	55	73
	3	42	61	62	64	62	61	57	53	70		3	46	65	66	68	66	65	61	57	74

MOUNTING ACCESSORIES



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



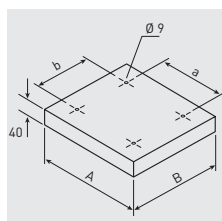
APC*
Protection guards for direct connection to the inlet-outlet fan flange connector.

CHAT Model	APC Model
400	APC-355
500	APC-400
560	APC-500
630	APC-630
710	APC-630
800	APC-710

* 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