









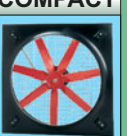

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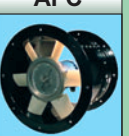











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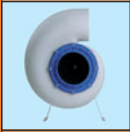
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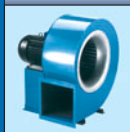
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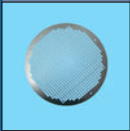
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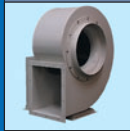
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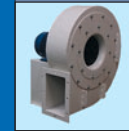
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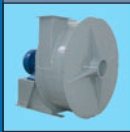
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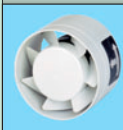
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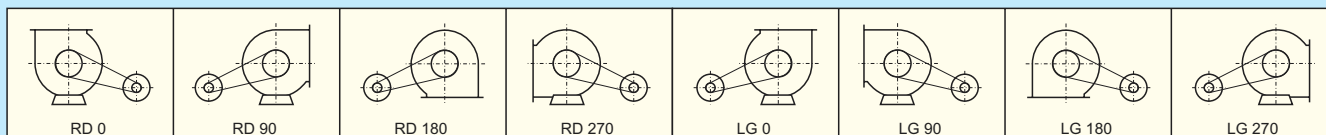
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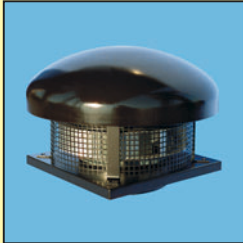
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All fans in this catalogue can be specified with orientations as shown below. However some fans can only be delivered as shown in the pictures in the catalogue. The symbols show the fan from the drive side or the motor side.



Performance curves are valid with a tolerance of $\pm 10\%$ for the pressure and $\pm 10\%$ for the airflow, air density $1,223\text{kg/m}^3$, at an ambient temperature of 20°C and at 1013mbar atmospheric pressure. We reserve the right to make changes of constructions and performance curves without prior notice. We do not take any responsibility for misprints.



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In-Line Fans

Axial-flow Fans Wall Versions

Axial-flow Fans Cased Versions

Roof Fans

Fans "ATEX"

Centrifugal Fans VISP/VASP

Centrifugal Fans

Side Channel Blowers

Chip Extractors

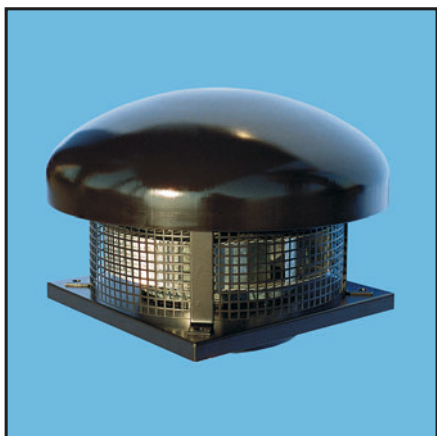
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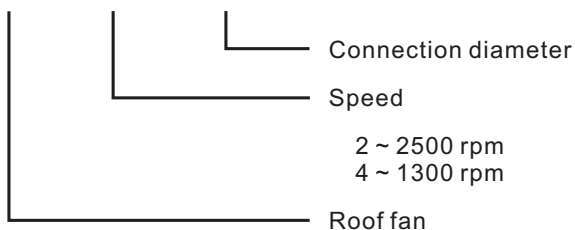
Roof fan for horizontal discharge with cowl pressed of steel sheet. Base welded of steel sheet. All the metallic parts are protected with black powder paint RAL9005. Backward curved impeller. Cowls and bases in other materials may be supplied on request.

Motor

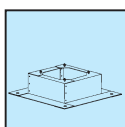
220-240V, 50Hz single-phase external rotor motor with capacitor, suitable for speed control. Enclosure IP44, insulation class B. Special voltage or frequency, improved enclosure and motors with thermal protection may be supplied on request. Wiring diagram, see page 236.

Model numbering system

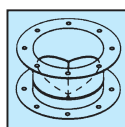
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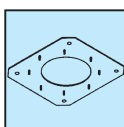
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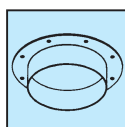
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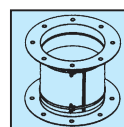
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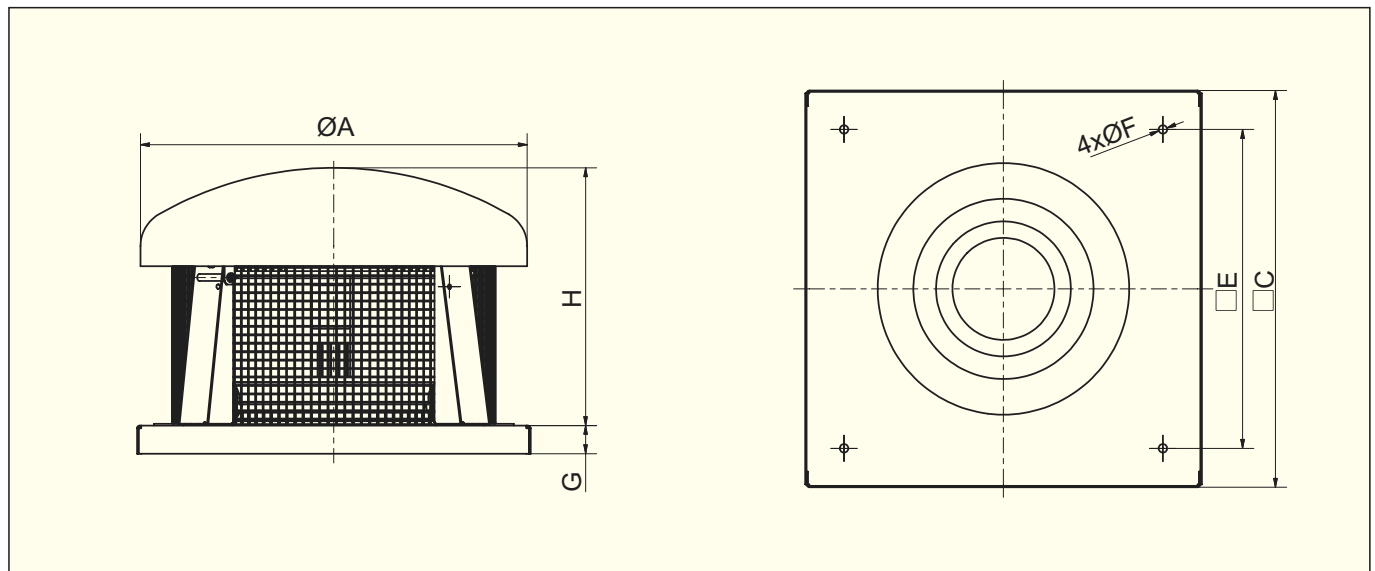


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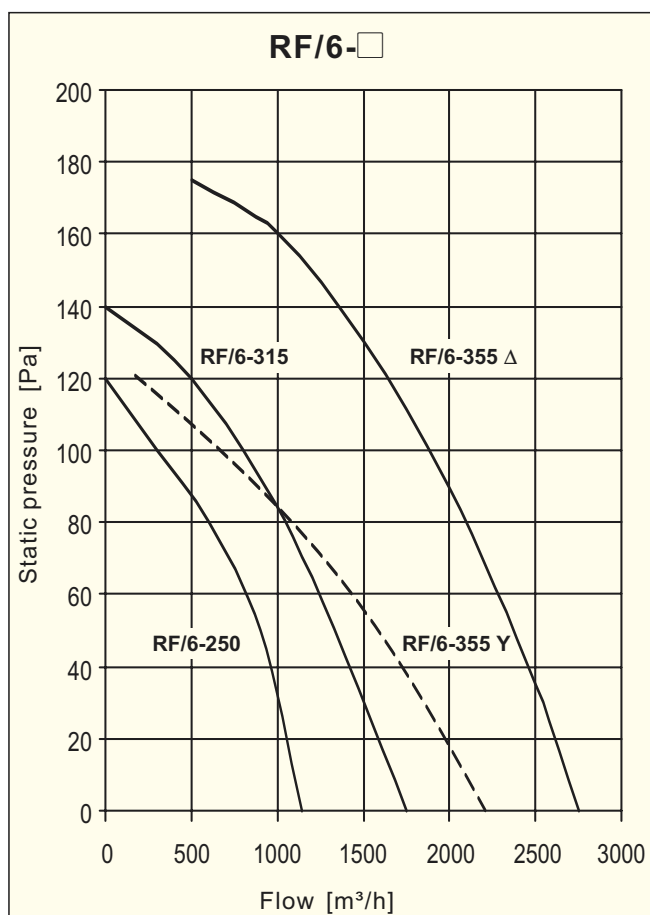
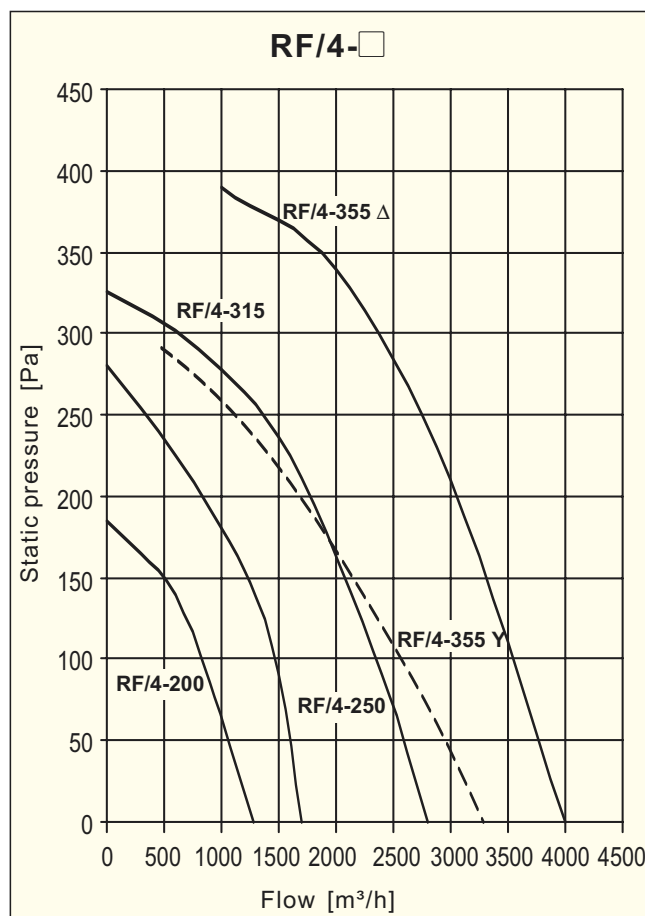
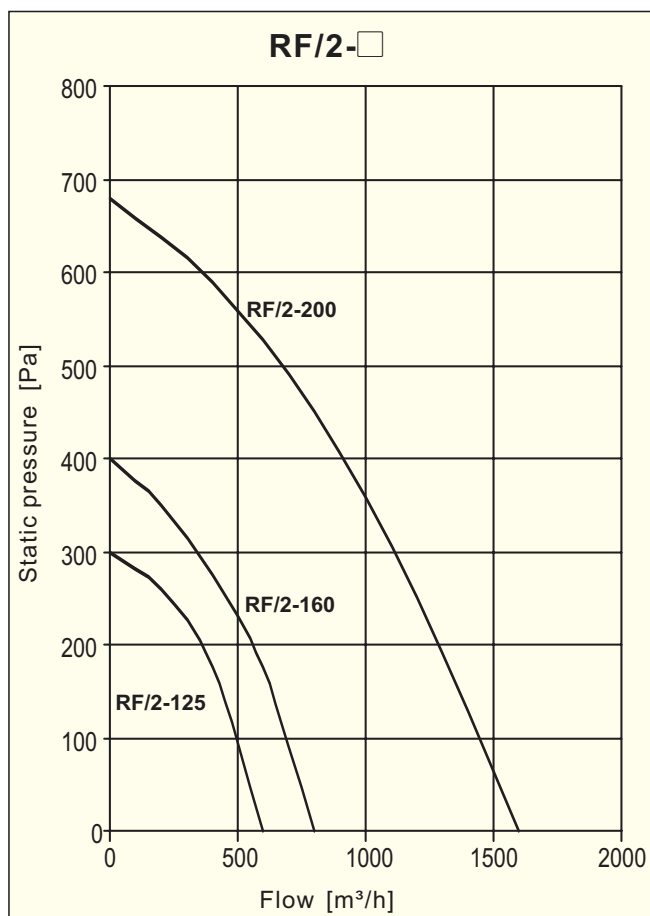
Technical specification

Type	Speed rpm	Motor power W	Voltage V	Maximum current A	Maximum duty m³/h	Sound pressure level dB(A)	Weight kg	Article number
RF/2-125	2400	85	230	0,34	600	68	7,5	213 900 125
RF/2-160	2790	110	230	0,53	820	76	8,0	213 900 160
RF/2-200	1850	260	230	1,10	1590	76	11,0	213 900 200
RF/4-200	1400	90	230	0,40	1280	60	11,0	213 900 210
RF/4-250S	1400	120	230	0,56	1700	63	14,0	213 900 250
RF/4-250T	1400	120	400	0,48	1700	63	14,0	213 900 260
RF/4-315S	1400	230	230	1,16	2800	65	16,0	213 900 315
RF/4-315T	1400	230	400	1,10	2800	65	16,0	213 900 320
RF/6-250	965	47	230	0,18	1140	63	14,0	213 900 270
RF/6-315	875	66	230	0,33	1750	64	16,0	213 900 330
RF/4-355S	1355	520	230	1,64	4050	78	25,0	213 900 355
RF/4-355T	1345	460	400 Δ	1	4050	78	25,0	213 900 360
	1065	325	400 Y	0,7	3300	71	25,0	
RF/6-355S	880	160	230	0,7	2750	67	25,0	213 900 370
RF/6-355T	890	160	400 Δ	0,4	2750	67	25,0	213 900 380
	690	105	400 Y	0,3	2200	64	25,0	

Dimensions in mm



Type	Ø A	B	□ C	Ø D	□ E	Ø F	G	H	I
RF/2-125	360	220	300	125	245	10	20	170	50
RF/2-160	360	220	300	160	245	10	20	170	50
RF/2-200	400	290	300	200	245	10	20	240	50
RF/4-200	400	290	300	200	245	10	20	240	50
RF/□-250	460	329	435	248	330	12	20	279	50
RF/□-315	460	357	435	312	330	12	20	307	50
RF/□-355	550	-	560	-	450	12	40	337	-





Construction

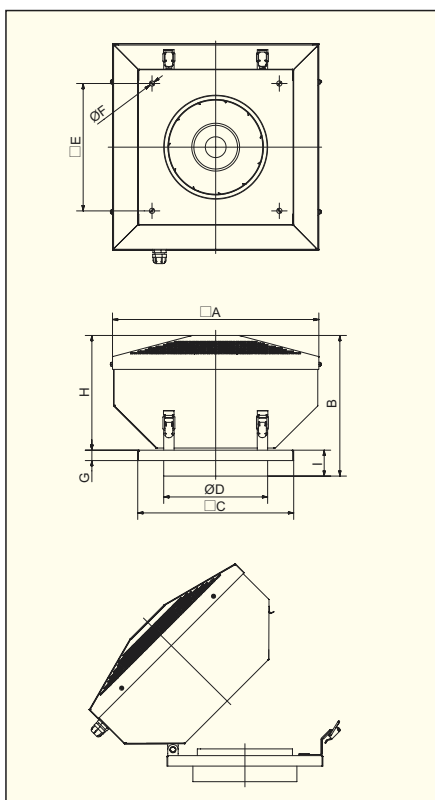
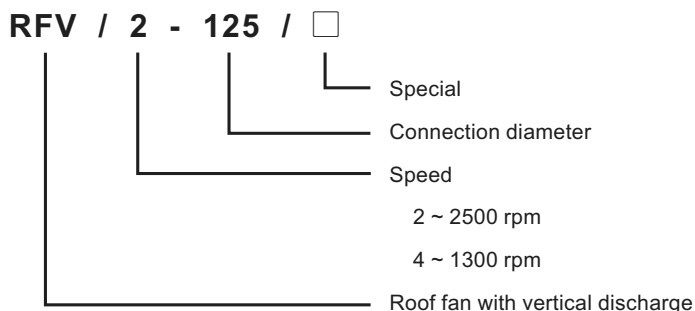
Roof fan for vertical discharge with welded casing and base of steel sheet, powder coated RAL5010. Backward curved impeller. The design of the fan enables a cover to be removed for easy inspection, service and duct cleaning. Casings and bases in other materials may be supplied on request.

Motor

220-240V, 50Hz single-phase external rotor motor with capacitor, suitable for speed control. Enclosure IP44, insulation class B. Special voltage or frequency, improved enclosure and motors with thermal protection may be supplied on request. Wiring diagram, see page 236.



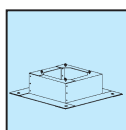
Model numbering system



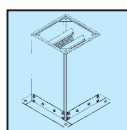
Dimensions in mm

Type	□ A	B	□ C	Ø D	□ E	Ø F	G	H	I
RFV-125	307	217	300	125	245	10	20	167	50
RFV-160	307	217	300	160	245	10	20	167	50
RFV-200	397	285	300	200	245	10	20	235	50
RFV-250	459	324	435	248	330	12	20	273	52
RFV-315	459	351	435	312	330	12	20	300	52

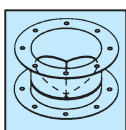
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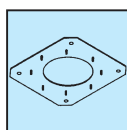
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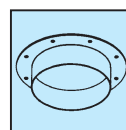
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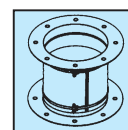
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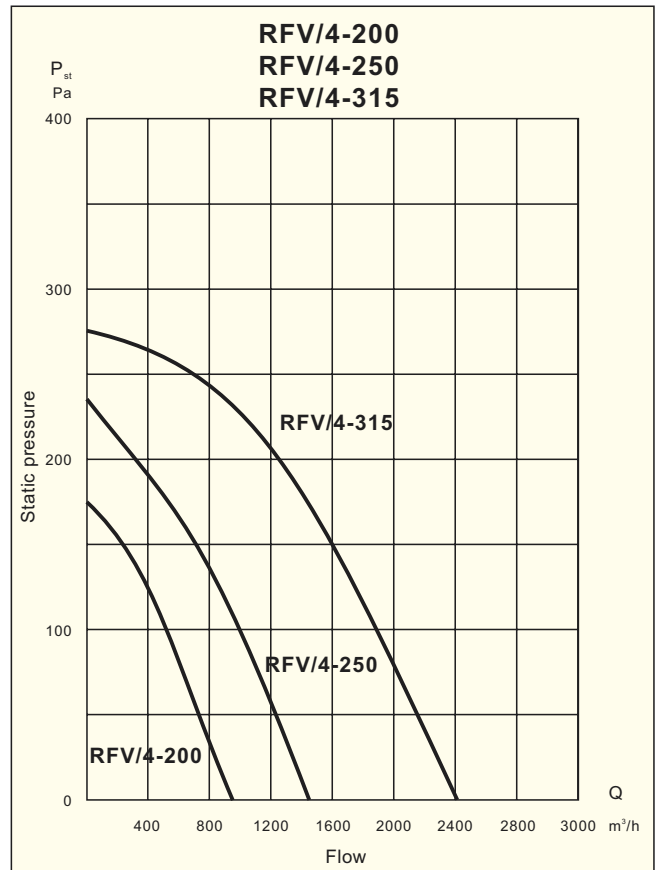
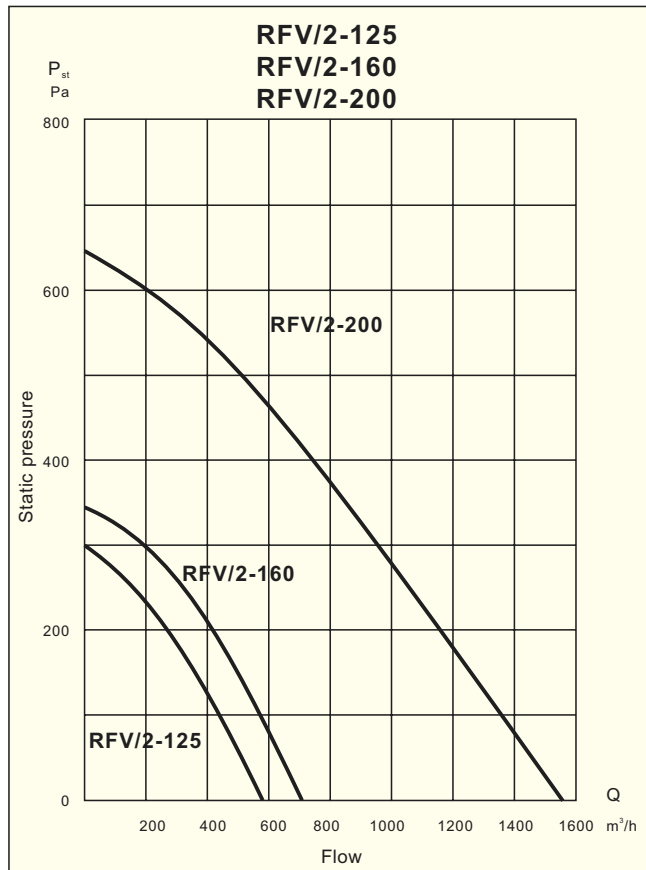


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Data

Type	Speed rpm	Motor power W	Voltage V	Maximum current A	Maximum duty m³/h	Sound level dB(A)	Weight kg	Article number
RFV/2-125	2400	85	230	0,34	580	62	7,5	213 900 135
RFV/2-160	2790	110	230	0,53	730	68	8,0	213 900 165
RFV/2-200	1850	260	230	1,10	1550	69	11,0	213 900 205
RFV/4-200	1400	90	230	0,40	1250	55	11,0	213 900 215
RFV/4-250S	1400	120	230	0,56	1650	58	14,0	213 900 255
RFV/4-250T	1400	120	400	0,48	1650	58	14,0	213 900 265
RFV/4-315S	1400	230	230	1,16	2800	59	16,0	213 900 325
RFV/4-315T	1400	230	400	1,10	2800	59	16,0	213 900 335

Performance curves





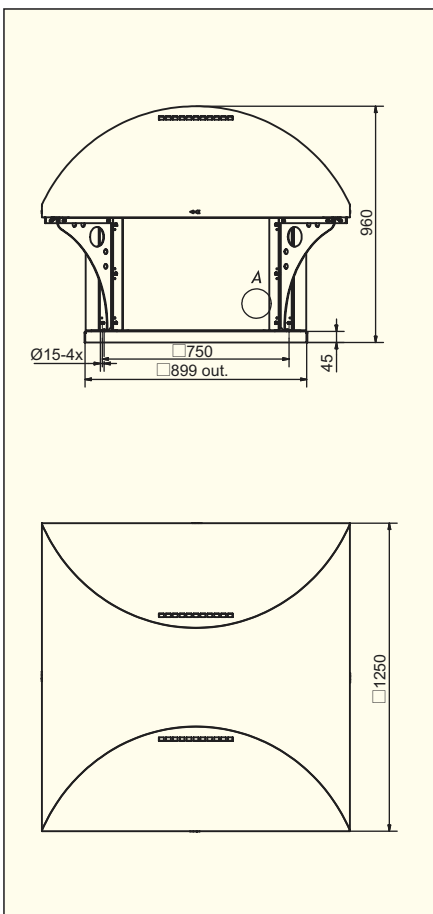
Construction

Roof fan for horizontal discharge, suitable for buildings with low degree of polluted air. Casing and base made of steel sheet, powder coated RAL9006. Impeller made of aluminium.

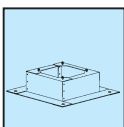
Motor

400V, 50Hz three-phase asynchronous motor, enclosure IP55, insulation class F. Special voltage or frequency, improved enclosure and motors with thermal protection may be supplied on request.

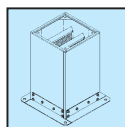
Wiring diagram, see page 236.



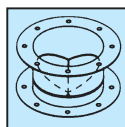
Accessories



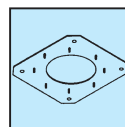
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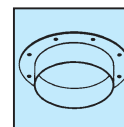
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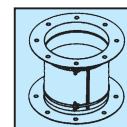
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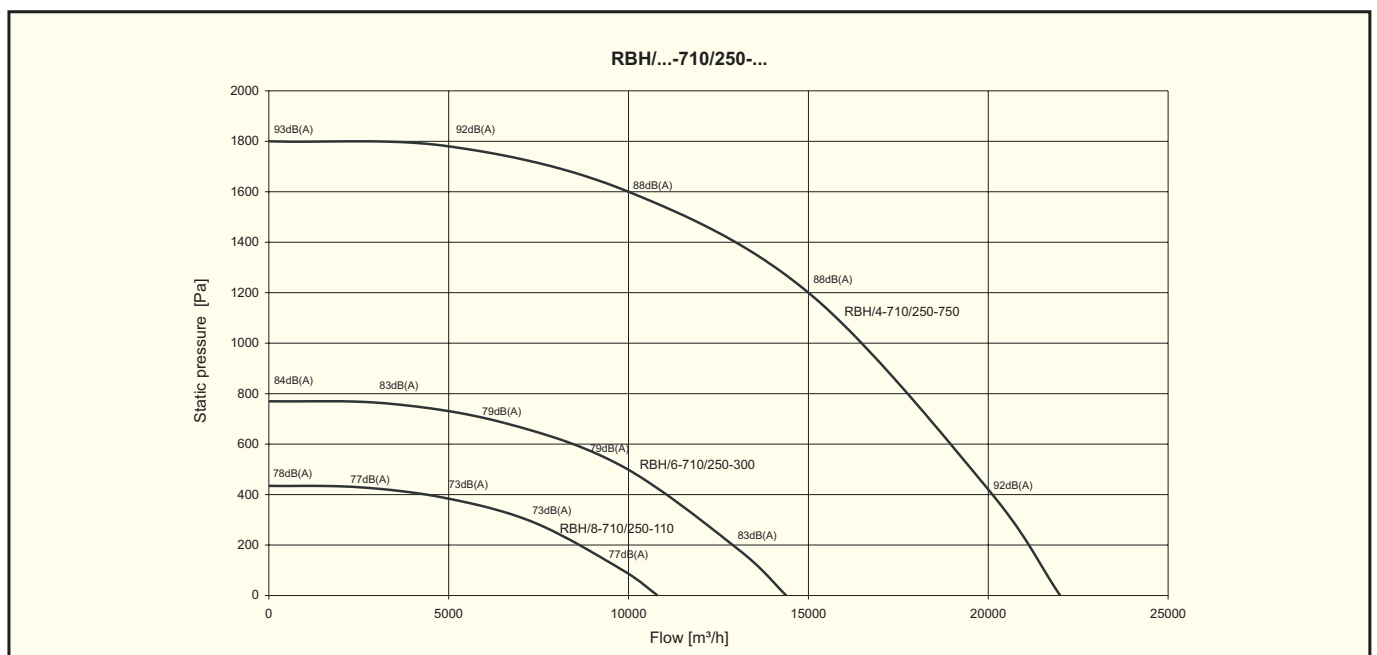
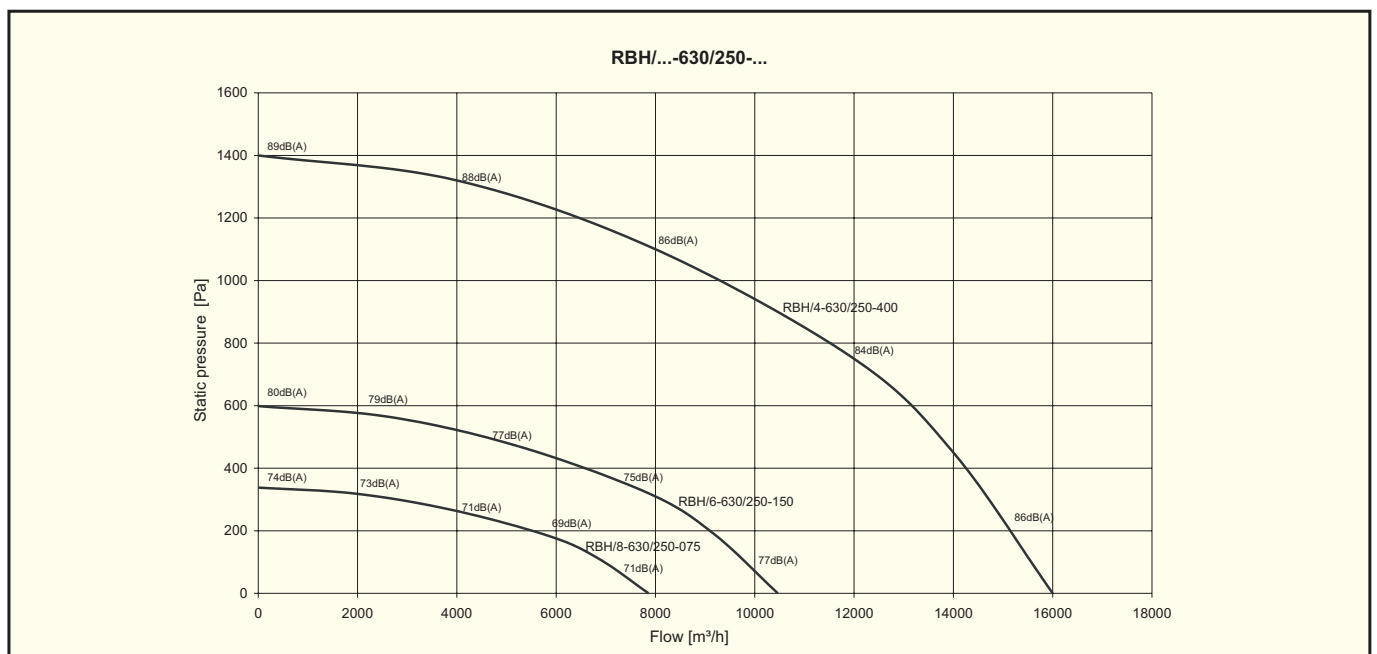


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Data

Type	Speed rpm	Motor power kW	Maximum current A	Voltage V	Maximum duty m ³ /h	Maximum pressure Pa	Weight kg	Article number
RBH/8-630-075	710	0,75	2,2	400	7800	330	205	213 900 505
RBH/6-630-150	945	1,5	3,8	400	10400	600	205	213 900 510
RBH/4-630-400	1445	4,0	8,1	400	16000	1400	220	213 900 515
RBH/8-710-110	710	1,1	3,3	400	10800	440	235	213 900 555
RBH/6-710-300	960	3,0	6,9	400	14300	750	235	213 900 560
RBH/4-710-750	1455	7,5	14,4	400	22000	1800	250	213 900 565

Performance curves





Products certified 400°C/2h

Construction

Roof fan for horizontal (CTHB-CTHT) or vertical (CTVB-CTVT) installation designed for continuous running in high temperatures:

- type CTVB/4-180 and CTVB/4-225 -40° to +200°C
- type CTHB/4-180 and CTHB/4-225 -40° to +200°C
- other models -40° to +120°C

Backward curved impellers manufactured in galvanized steel sheet. Base manufactured from galvanized steel sheet. Spun aluminium cowls.

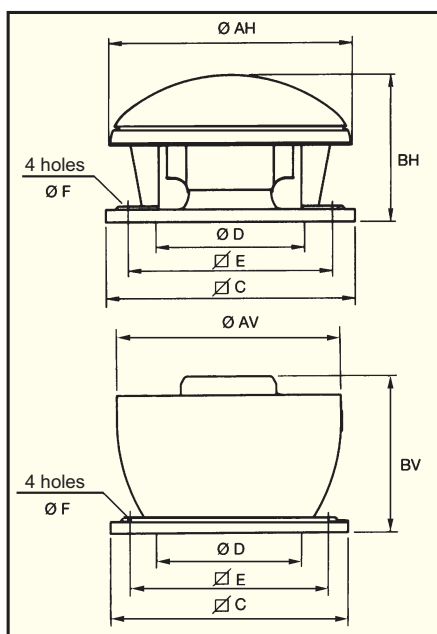
Motor

400V, 50Hz three-phase alt. 230V, 50Hz single-phase asynchronous induction motor. Enclosure IP55, insulation class F. Three-phase designs from sizes 140 to 400 are suitable for speed control. Motors for special voltage, three-phase motors for "Y" resp. "Δ" running and 2-speed motors may be supplied on request.

Wiring diagram, see page 235.

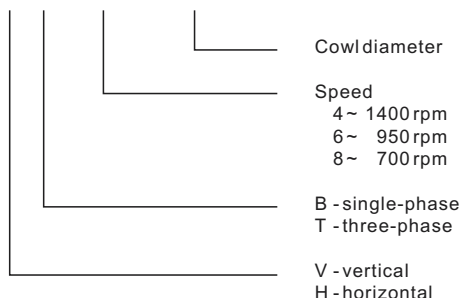
Accessories

Roof fittings, roof inlets, variable speed controls.



Model numbering system

CTVB / 4 - 140



Dimensions in mm

Type	Ø AH	Ø AV	BH	BV	□ C	Ø D	□ E	Ø F
140	415	421	277	359	300	180	245	10
180	415	421	292	374	300	180	245	10
200	561	556	340	404	435	250	330	12
225	561	556	383	452	435	250	330	12
250	762	750	425	522	560	355	450	12
315	762	750	469	564	560	355	450	12
400	850	850	532	608	630	400	535	12
450	962	950	713	741	710	500	590	14
500	1214	1216	824	832	905	630	750	14
560	1214	1216	874	832	905	630	750	14
630	1336	1327	1029	1053	1100	710	840	14

Accessories



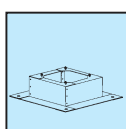
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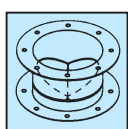
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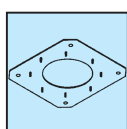
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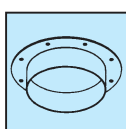
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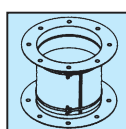
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

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

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Data

Type	Speed rpm	Maximum power absorbed W	Maximum current A	Maximum duty m³/h	Sound pressure level at 2/3 Qmax * dB(A)		Weight kg	Article number
					Inlet	Outlet		
SINGLE-PHASE 230V								
4-POLE, SINGLE-PHASE								
CTHB/4-140	1370	60	0,32	800	46	52	7,5	112 700 001
CTHB/4-180	1330	50	0,33	990	46	52	8,0	112 700 011
CTHB/4-200	1320	120	0,60	1450	49	55	14,2	112 700 021
CTHB/4-225 	1350	170	0,90	2100	53	59	17	112 700 031
CTHB/4-250 	1320	280	1,40	3100	57	62	28	112 700 041
CTHB/4-315 	1375	590	2,70	4900	60	66	32	112 700 051
CTHB/4-400 	1380	1100	5,30	7000	67	73	42,5	112 700 061
6-POLE, SINGLE-PHASE								
CTHB/6-200	940	80	0,40	970	38	45	14,2	112 700 101
CTHB/6-225 	890	90	0,40	1400	42	48	17	112 700 111
CTHB/6-250 	940	100	0,57	2000	45	52	28	112 700 121
CTHB/6-315 	840	170	0,81	3200	49	55	32	112 700 131
CTHB/6-400 	950	350	1,60	4500	56	62	42,5	112 700 141
THREE-PHASE 400V								
4-POLE, THREE-PHASE								
CTHT/4-140	1375	60	0,17	800	46	52	7,5	112 700 201
CTHT/4-180	1330	70	0,17	990	46	52	8,0	112 700 211
CTHT/4-200	1330	130	0,35	1450	49	55	14,2	112 700 221
CTHT/4-225 	1360	170	0,50	2100	53	59	17	112 700 231
CTHT/4-250 	1400	300	0,80	3100	57	62	28	112 700 241
CTHT/4-315 	1410	620	1,50	4900	60	66	32	112 700 251
CTHT/4-400 	1350	920	1,80	7000	67	73	42,5	112 700 261
CTHT/4-450 	1440	2000	4,60	10200	71	76	67	112 700 271
6-POLE, THREE-PHASE								
CTHT/6-200	940	80	0,24	970	38	45	14,2	112 700 301
CTHT/6-225 	900	90	0,23	1400	42	48	17	112 700 311
CTHT/6-250 	950	100	0,41	2000	45	52	28	112 700 321
CTHT/6-315 	900	180	0,50	3200	49	55	32	112 700 331
CTHT/6-400 	925	350	1,00	4500	56	62	42,5	112 700 341
CTHT/6-450 	940	850	3,50	6900	59	66	67	112 700 351
CTHT/6-500 	965	1400	4,30	10500	63	69	104	112 700 361
CTHT/6-560 	950	2400	5,30	16000	66	73	118	112 700 371
CTHT/6-630 	950	3700	8,30	21000	70	76	156	112 700 381
8-POLE, THREE-PHASE								
CTHT/8-450 	700	700	2,10	5000	55	61	67	112 700 400
CTHT/8-500 	725	770	2,40	7500	55	62	104	112 700 401
CTHT/8-560 	730	1100	3,60	11500	58	65	118	112 700 411
CTHT/8-630 	735	1650	4,90	15000	62	69	156	112 700 421
2-SPEED, THREE-PHASE								
CTHT/4/8-315 	1400/700	370/230	1,10/0,90	4900/2400	60/45	66/51	33	
CTHT/4/8-400 	1400/700	560/260	1,30/1,10	7000/3500	67/52	73/58	44	
CTHT/4/8-450 	1400/700	2400/600	6,10/2,50	10200/5100	71/55	76/61	69	
CTHT/6/12-450 	950/490	500/190	2,00/1,00	6900/3400	59/44	66/51	72	
CTHT/6/12-500 	980/490	1520/430	4,50/2,20	10500/5300	63/48	69/54	109	
CTHT/6/12-630 	960/480	4100/730	8,10/2,60	21000/10500	70/55	76/61	161	

* The values of sound levels are values measured dB(A) at the fan discharge side and at the maximum volume (Qmax) and two thirds maximum volume (2/3 Qmax).

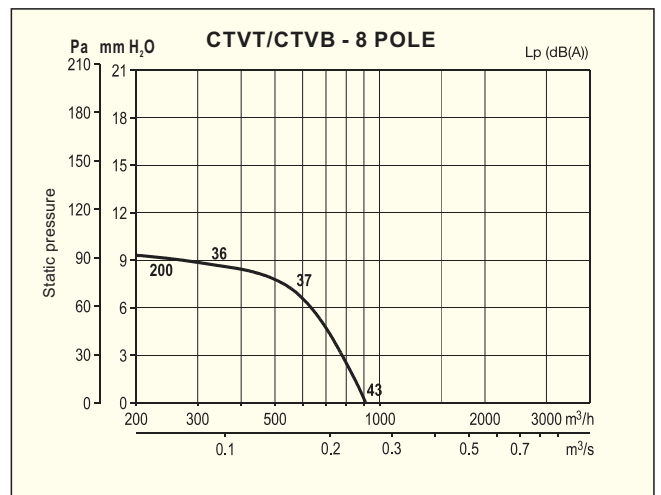
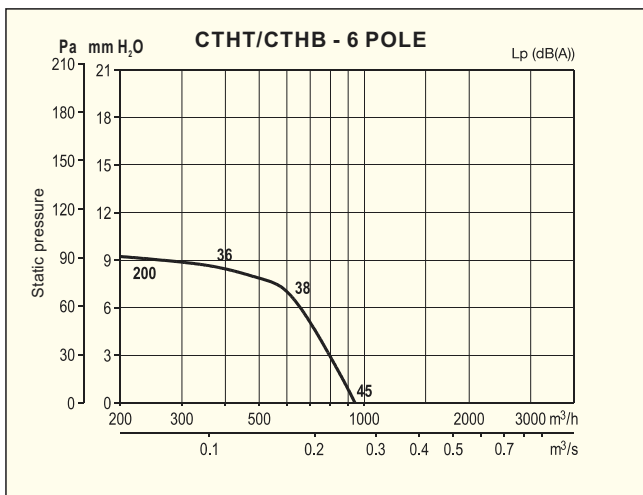
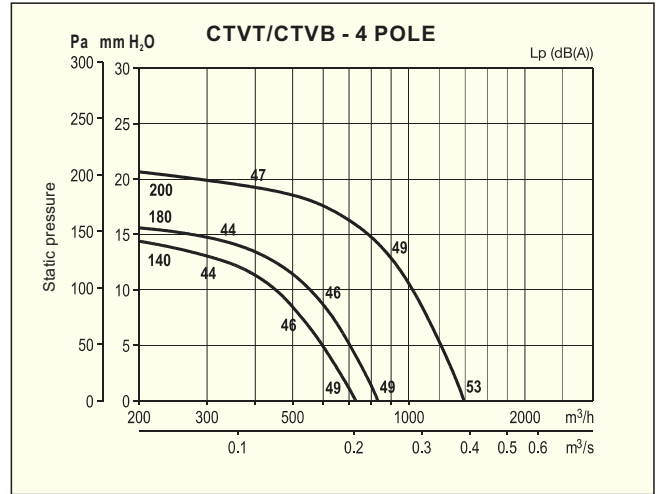
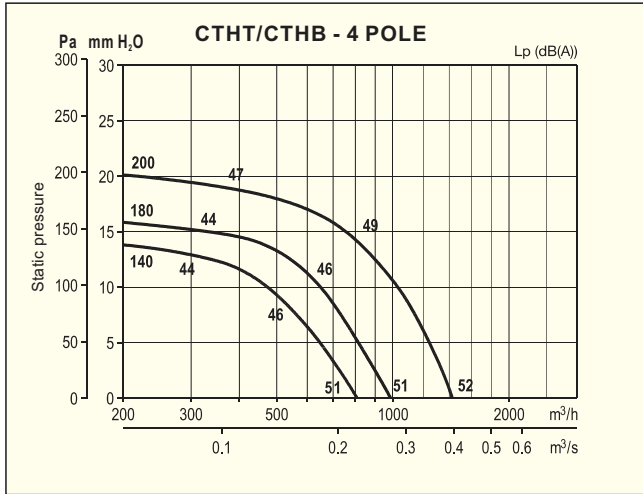
Data

Type	Speed rpm	Maximum power absorbed W	Maximum current A	Maximum duty m³/h	Sound pressure level at 2/3 Qmax * dB(A)		Weight kg	Article number	
					Inlet	Outlet			
4-POLE, SINGLE-PHASE									
SINGLE-PHASE 230V	CTVB/4-140	1375	60	0,30	750	46	49	10,0	112 700 501
	CTVB/4-180	1330	60	0,30	900	46	49	10,5	112 700 511
	CTVB/4-200	1330	100	0,60	1350	49	53	17,0	112 700 521
	CTVB/4-225 	1350	130	0,71	2000	53	56	19,8	112 700 531
	CTVB/4-250 	1325	250	1,20	2950	56	60	35	112 700 541
	CTVB/4-315 	1390	570	2,70	4700	60	64	39	112 700 551
	CTVB/4-400 	1390	1100	5,30	6800	67	70	50	112 700 561
	6-POLE, SINGLE-PHASE								
	CTVB/6-200	940	80	0,40	900	38	42	17,0	112 700 601
	CTVB/6-225 	890	90	0,40	1300	41	45	19,8	112 700 611
CTVB/6-250 	940	100	0,57	1850	45	49	35	112 700 621	
CTVB/6-315 	870	160	0,80	3000	48	53	39	112 700 631	
CTVB/6-400 	960	340	1,60	4300	55	59	50	112 700 641	
4-POLE, THREE-PHASE									
THREE-PHASE 400V	CTVT/4-140	1400	60	0,18	750	46	49	10,0	112 700 701
	CTVT/4-180	1350	60	0,18	900	46	49	10,5	112 700 711
	CTVT/4-200	1340	130	0,44	1350	49	53	17,0	112 700 721
	CTVT/4-225 	1360	180	0,47	2000	53	56	19,8	112 700 731
	CTVT/4-250 	1400	300	0,80	2950	56	60	35	112 700 741
	CTVT/4-315 	1410	400	1,40	4700	60	64	39	112 700 751
	CTVT/4-400 	1330	1000	1,80	6800	67	70	50	112 700 761
	CTVT/4-450 	1440	2100	4,30	8990	70	74	75	112 700 771
	6-POLE, THREE-PHASE								
	CTVT/6-200	950	80	0,24	900	38	42	17,0	112 700 801
	CTVT/6-225 	900	90	0,23	1300	41	45	19,8	112 700 811
	CTVT/6-250 	950	100	0,41	1850	45	49	35	112 700 821
	CTVT/6-315 	910	160	0,44	3000	48	53	39	112 700 831
	CTVT/6-400 	930	350	1,00	4300	55	59	50	112 700 841
	CTVT/6-450 	950	800	3,50	6300	59	63	75	112 700 851
CTVT/6-500 	975	1500	3,70	10000	62	66	115	112 700 861	
CTVT/6-560 	950	2400	5,50	15000	66	70	129	112 700 871	
CTVT/6-630 	950	3900	8,30	19500	70	74	168	112 700 881	
8-POLE, THREE-PHASE									
CTVT/8-450 	690	700	1,50	4800	55	59	75	112 700 900	
CTVT/8-500 	700	770	2,40	7100	54	58	115	112 700 901	
CTVT/8-560 	730	1100	3,30	10000	58	62	129	112 700 911	
CTVT/8-630 	735	1650	4,90	13500	61	66	168	112 700 921	
2-SPEED, THREE-PHASE									
CTVT/4/8-315 	1400/700	370/320	1.10/0.90	4700/2100	60/45	64/49	40		
CTVT/4/8-400 	1400/700	560/260	1.30/1.10	6800/3300	67/52	70/55	52		
CTVT/4/8-450 	1400/700	2400/600	6.10/2.50	10000/4500	70/55	74/59	77		
CTVT/6/12-450 	960/490	500/190	2.00/1.00	6300/2800	59/44	63/48	80		
CTVT/6/12-500 	980/490	1520/340	4.50/2.20	10000/4800	62/47	66/51	134		
CTVT/6/12-630 	960/480	4100/730	8.10/2.60	19500/9500	70/54	74/59	173		

* The values of sound levels are values measured dB(A) at the fan discharge side and at the maximum volume (Qmax) and two thirds maximum volume (2/3 Qmax).

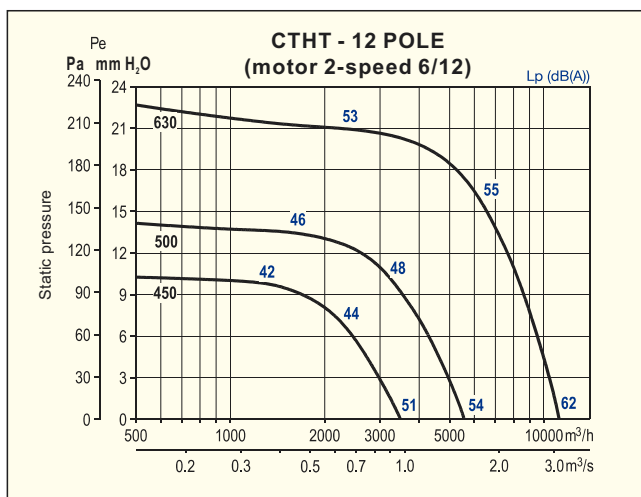
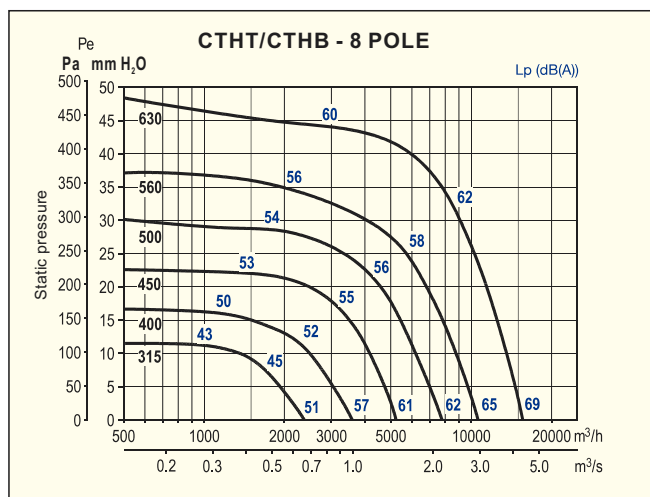
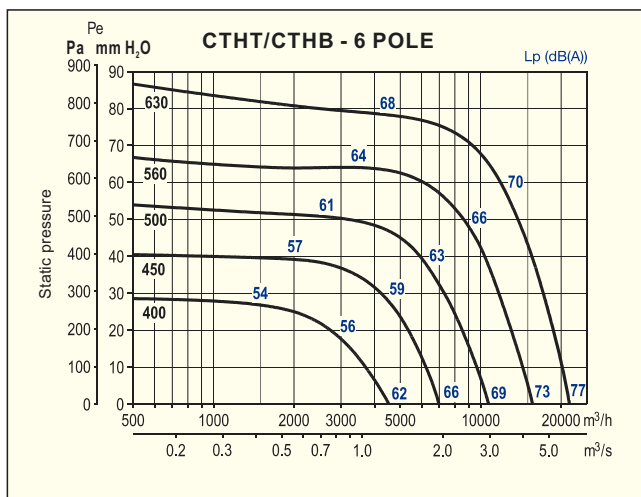
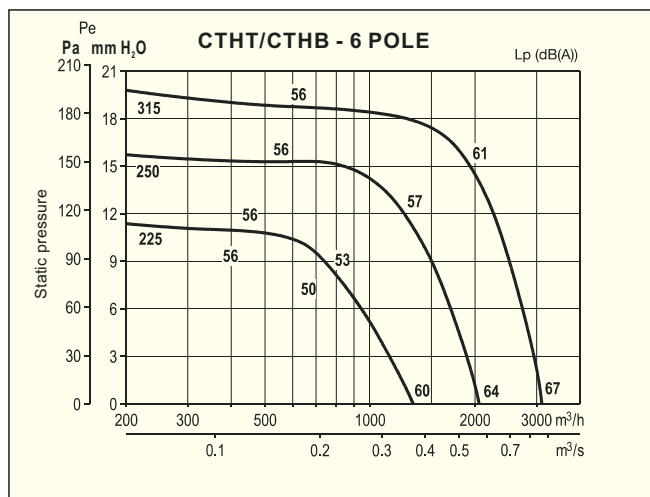
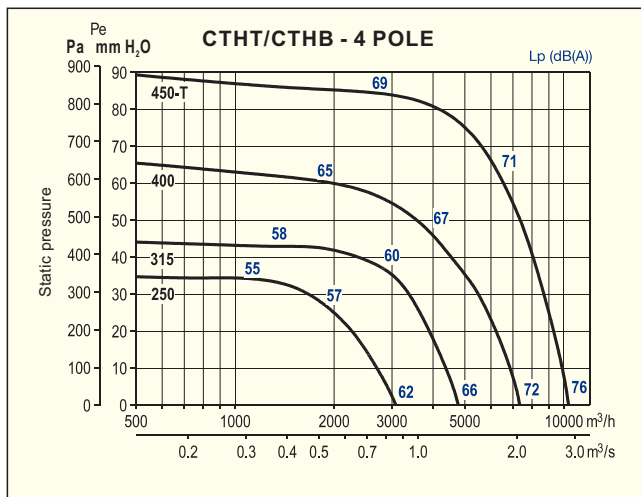
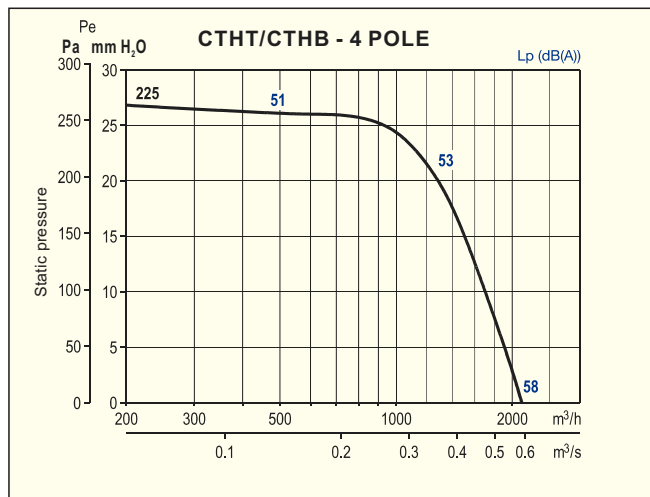
Performance curves

The values of sound are sound pressure levels measured at 1,5 m in the free field conditions, at the fan inlet side.



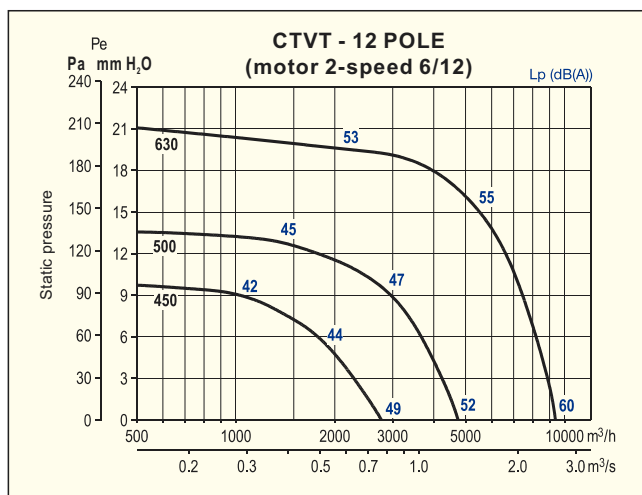
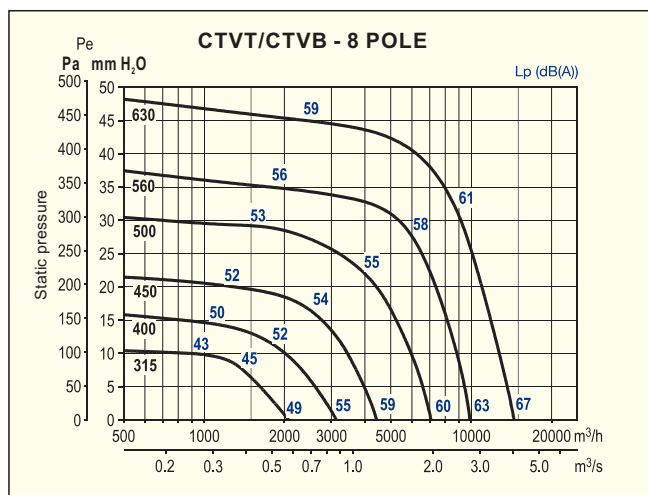
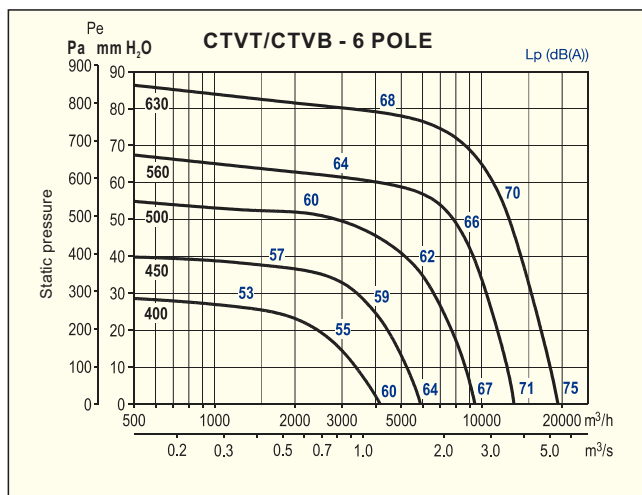
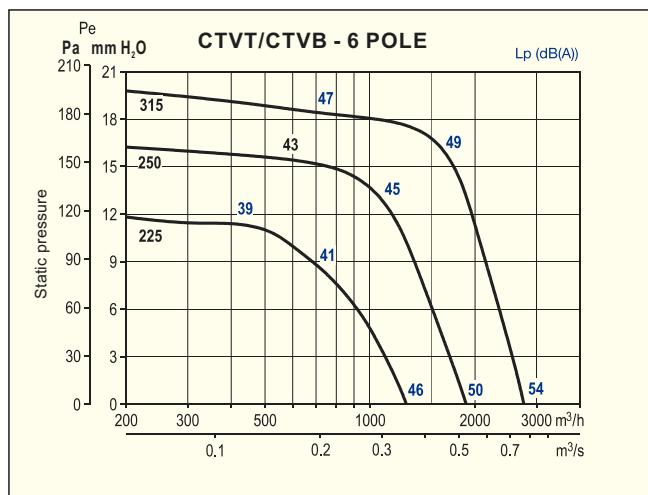
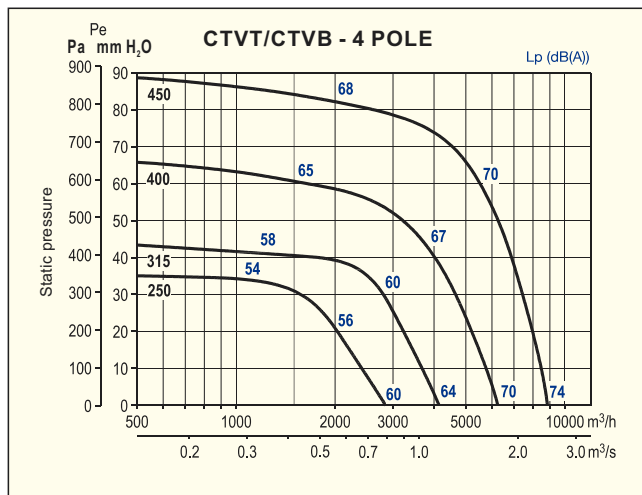
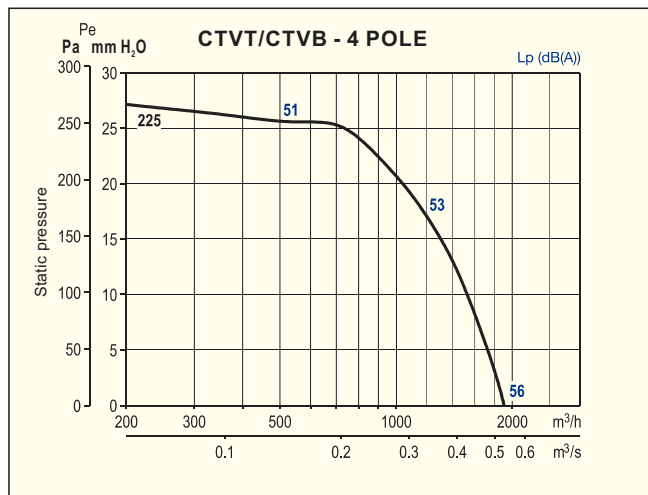
Performance curves

The values of sound are sound pressure levels measured at 1,5 m in the free field conditions, at the fan inlet side.

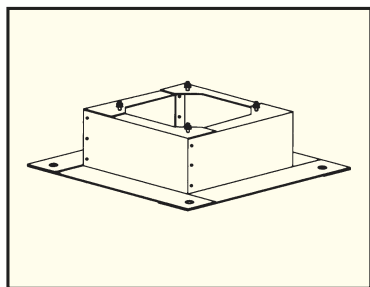


Performance curves

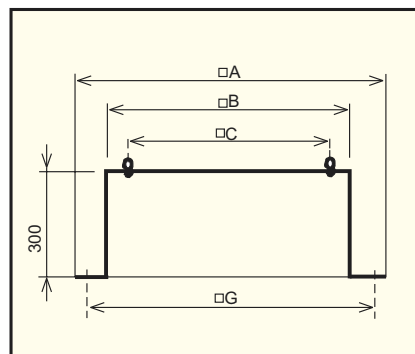
The values of sound are sound pressure levels measured at 1,5 m in the free field conditions, at the fan inlet side.



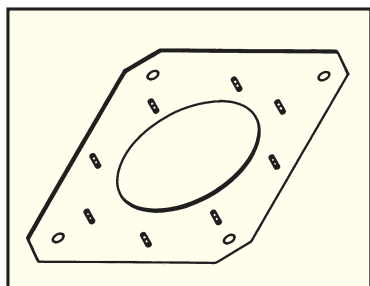
Flat roof upstands JBS



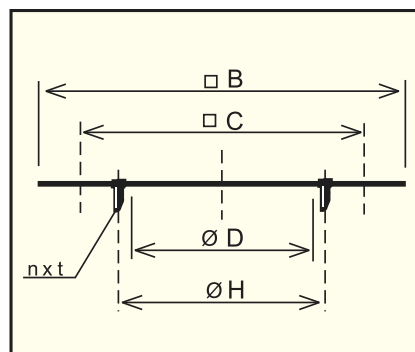
Type	Type JBS	□A	□B	□C	□G
140 180	300	470	289	245	380
200 225	435	600	419	330	510
250 315	560	725	544	450	635
400	630	795	614	535	705
450	710	875	694	590	785
500 560	905	1065	884	750	975
630	1100	1260	1079	840	1170



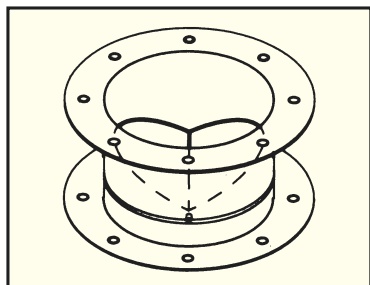
Adapter plate JPA



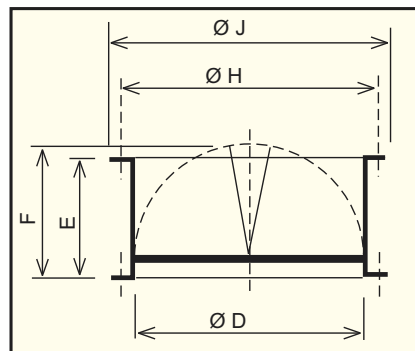
Type	Type JPA	□B	□C	∅D	nxt	∅H
140 180	300	289	245	182	4xM6	205
200 225	435	419	330	252	4xM8	280
250 315	560	544	450	358	8xM8	395
400	630	614	535	403	8xM10	450
450	710	694	590	503	12xM10	560
500 560	905	884	750	633	12xM10	690
630	1100	1079	840	713	16xM10	770



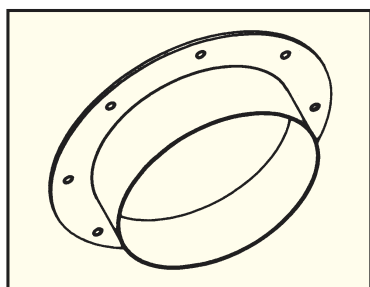
Back-draught shutter JCA



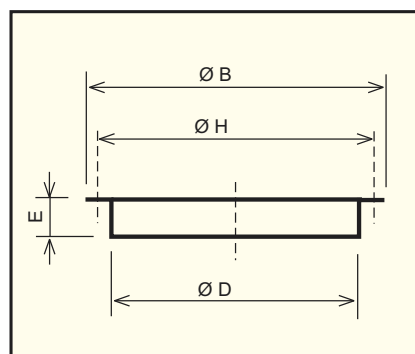
Type	Type JCA	∅D	E	F	∅H	∅J
140 180	300	182	100	124	205	219
200 225	435	252	145	174	280	300
250 315	560	358	210	227	395	415
400	630	403	240	250	450	474
450	710	503	285	300	560	581
500 560	905	633	345	365	690	714
630	1100	713	295	390	770	794



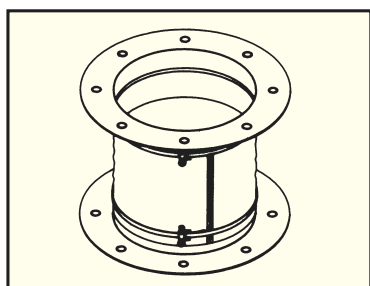
Flange JBR



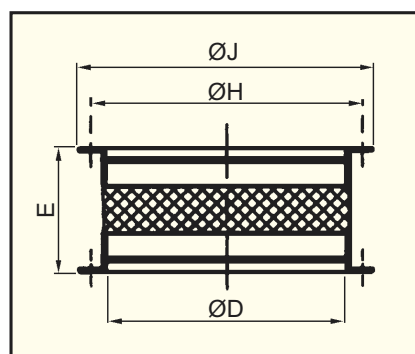
Type	Type JBR	∅D	E	∅H	∅J
140 180	300	182	55	205	219
200 225	435	252	55	280	300
250 315	560	358	55	395	415
400	630	403	63	450	474
450	710	503	69	560	581
500 560	905	633	69	690	714
630	1100	713	69	770	797

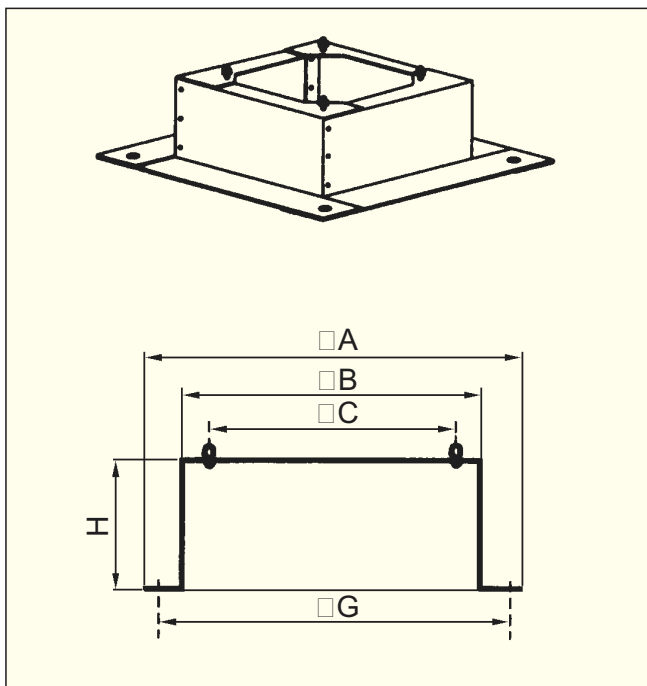


Flexible coupling JAE



Type	Type JAE	∅D	E	∅H	∅J
140 180	300	182	254	205	219
200 225	435	252	254	280	300
250 315	560	358	254	395	415
400	630	403	254	450	474
450	710	503	254	560	581
500 560	905	633	254	690	714
630	1100	713	254	770	794

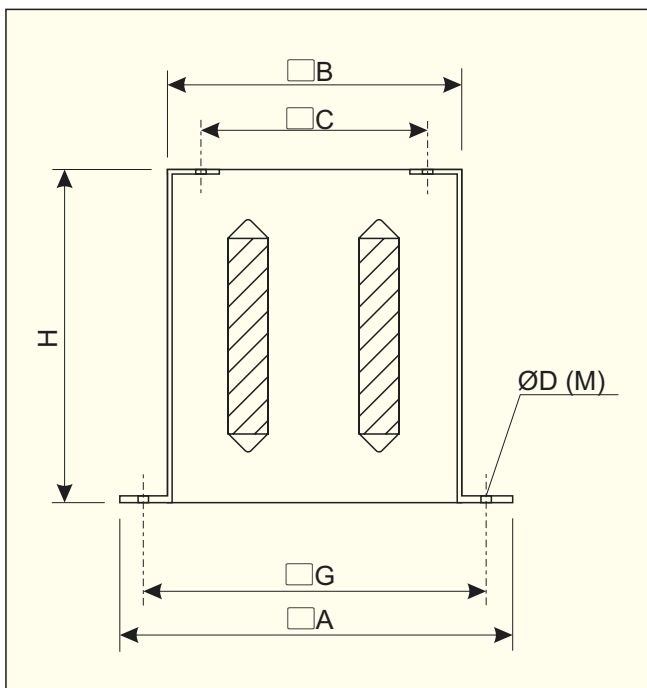




Flat roof Up-Stand RS:

- for flat roofs
- internal condensation protected

Type RS	Fan type			□A	□B	□C	□G	H
	RF	TH	CTV/CTH					
300	125, 160, 200	500, 800	140, 180	470	298	245	380	300
435	250, 315	1300	200, 225	600	419	330	510	300
560	355	2000	250, 315	725	544	450	635	300
630			400	795	614	535	705	300
710			450	875	694	590	785	300
905			500, 560	1065	884	750	975	300
1100			630	1260	1079	840	1170	400



Acoustic Up-Stand RSA:

- sound reducing
- for flat roofs

Type RSA	□A	□B	□C	ØD(M)	H	□G	Number of sound absorbers
300	470	290	245	13(M10)	500	380	1
435	600	419	330	15(M12)	500	510	2
560	725	545	450	15(M12)	750	635	2
630	795	615	535	15(M12)	750	705	3
710	875	695	590	18(M14)	1000	785	3
905	1065	885	750	18(M14)	1000	975	3
1100	1260	1080	840	18(M14)	1000	1170	3