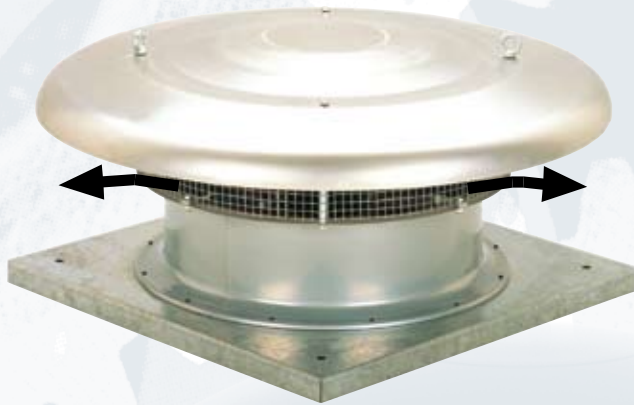


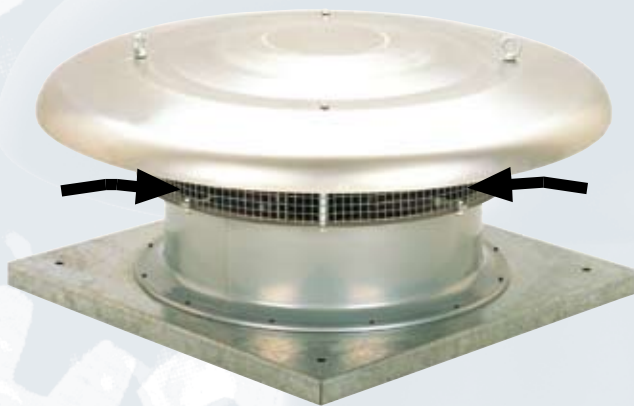


## ROOF MOUNTED FANS

# HCTB / HCTT Series, Axial Flow Fans



**EXTRACTION**



**SUPPLY**

## APPLICATIONS



Range of axial roof fans with horizontal air discharge configuration available in 2 version:

**“B” models for air extract.**

**“A” models for air supply.**

Base manufactured from galvanized sheet steel.

Cowl manufactured from spun aluminium.

The impellers for models 315 to 400 are manufactured from one piece injection moulded plastic, reinforced with chemical anchored fibreglass for additional strength.

Models 450 to 1000 incorporate separate plastic blades locked within a die cast aluminium hub.

Available, depending upon the model, with single or three phase motors in 4, 6, 8 or 4/8 poles.

### Motors

All motors are **IP65** (1) **Class F** (2) with thermal protection (3) and ball bearings greased for life.

Electrical supply:

Single phase 230V-50Hz (Capacitor located inside the wiring terminal box).

Three phase 400V-50Hz.

(See characteristics chart).

All single phase models are speed controllable by voltage except HCTB/4-560, HCTB/4-630.

All three phase models are speed controllable by Autotransformer. Except models **HCTT/4-560, HCTT/4-630**, Ø 710 to 1000. Three phase models, 1 speed motor, are speed controllable by inverter.

(1) 800 to 1000 models are IP55.

(2) Air stream temperature limits -40°C to +70°C (except models 800 to 1000 suitable for usage in environments from -20°C to 40°C).

(3) 800 to 1000 models are not equipped with thermal protection.

**Explosion proof versions in accordance to ATEX Directive for three phase models:**

- Increase safety EX II2G EExe IIT3

- Flame proof only for models 800 to 1000

EX II2G EExd IIBT5, EExd IICT4 or II3D DIP 125°C or 135°C.

**Working temperatures up to 40°C.**

### On request

Fan fitted with 2-speed motor.

### Easy to install



Base supports to facilitate installation

### High quality steel sleeve



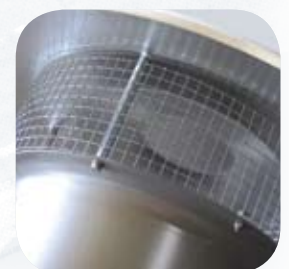
Ensuring the long life of the fan

### Impeller dynamically balanced



Impellers are dynamically balanced, according to ISO 1940 standard, giving vibration free operation

### Bird-proof guard



## ■ Technical characteristics – Extract air configuration

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 (r.p.m.)	Maximum absorbed power (W)	Maximum absorbed current (A)		Maximum duty (m <sup>3</sup> /h)		Sound pressure* level at 1,5 meters (dB(A))		Weight (kg)	Speed Controller ****
			at 230 V	at 400 V	High speed	Low *** speed	Inlet	Outlet		
<b>SINGLE PHASE 4 POLE</b>										
HCTB/4-315-B	1300	100	0,59	–	1930	–	59	58	14,4	REB-1
HCTB/4-355-B	1225	200	0,96	–	2680	–	56	55	15,8	REB-1
HCTB/4-400-B	1290	340	1,64	–	3700	–	59	58	16,5	REB-2,5
HCTB/4-450-B	1290	480	2,30	–	5600	–	62	61	23,5	REB-2,5
HCTB/4-500-B	1290	650	3,00	–	7100	–	69	67	25,4	REB-5
HCTB/4-560-B	1200	980	4,90	–	9820	–	73	69	40,0	–
HCTB/4-630-B	1290	1700	7,60	–	13000	–	74	70	42,6	–
<b>SINGLE PHASE 6 POLE</b>										
HCTB/6-450-B	835	220	1,15	–	3900	–	53	52	23,5	REB-1
HCTB/6-500-B	840	290	1,60	–	4600	–	56	54	25,4	REB-2,5
HCTB/6-560-B	900	420	2,40	–	6850	–	60	58	40,0	REB-2,5
HCTB/6-630-B	800	510	2,56	–	8400	–	64	61	42,6	REB-5
<b>THREE PHASE 4 POLE</b>										
HCTT/4-315-B	1300	150	–	0,34	1930	1500	59	58	14,4	RMT-1,5
HCTT/4-355-B	1260	200	–	0,46	2680	2000	56	55	15,8	RMT-1,5
HCTT/4-400-B	1350	300	–	0,80	3700	2900	59	58	16,5	RMT-1,5
HCTT/4-450-B	1230	500	–	1,00	5600	4500	63	61	23,5	RMT-1,5
HCTT/4-500-B	1350	660	–	1,60	7100	5850	69	67	25,4	RMT-2,5
HCTT/4-560-B	1320	1210	–	2,30	9820	7600	73	69	40,0	VFTM TRI 3
HCTT/4-630-B	1290	1600	–	3,20	13000	–	74	70	42,6	VFTM TRI 4
HCTT/4-710-B	1300	2200	–	4,00	18400	–	82	80	60,0	VFTM TRI 5,5
HCTT/4-800-B	1400	3 kW **	–	7,30	23800	–	89	86	67,0	VFKB-48
HCTT/4-900-B	1400	4 kW **	–	9,50	30000	–	92	89	77,0	VFTM TRI 5,5
HCTT/4-1000-B	1450	5,5 kW **	–	12,00	38500	–	93	90	123,0	VFTM TRI 5,5
<b>THREE PHASE 4/8 POLE</b>										
HCTT/4/8-400-B	1300/700	250/150	–	0,50/0,35	3700	1850	59	58	18,6	–
HCTT/4/8-450-B	1360/700	400/170	–	0,80/0,50	5600	2800	63	61	26	–
HCTT/4/8-500-B	1370/700	550/230	–	1,2/0,8	7100	3550	69	67	28	–
HCTT/4/8-560-B	1300/700	1100/300	–	2/1	9820	4910	73	69	60	–
HCTT/4/8-630-B	1400/720	1300/400	–	2/1,40	13000	6500	74	70	65	–
HCTT/4/8-710-B	1300/670	2200/500	–	4,00/1,5	18400	9200	82	80	80	–
HCTT/4/8-800-B	1430/720	3/0,65 kW **	–	6,8/2,5	23800	11900	89	86	85	–
HCTT/4/8-900-B	1455/730	4/0,75 kW **	–	8,9/3,2	30000	15000	92	89	90	–
HCTT/4/8-1000-B	1425/715	5,5/1,1 kW **	–	11/3,7	38500	19250	93	90	125	–
<b>THREE PHASE 6 POLE</b>										
HCTT/6-450-B	835	190	–	0,48	3900	3000	53	52	23,5	RMT-1,5
HCTT/6-500-B	830	250	–	0,57	4600	3500	56	54	25,4	RMT-1,5
HCTT/6-560-B	850	410	–	0,93	6850	5400	60	58	40,0	RMT-1,5
HCTT/6-630-B	810	600	–	1,18	8400	6400	64	61	42,6	RMT-1,5
HCTT/6-710-B	900	1100	–	3,30	12700	–	72	70	54,0	VFTM TRI 4
HCTT/6-800-B	930	0,75 kW **	–	2,50	15800	–	79	76	57,0	VFKB-45
HCTT/6-900-B	930	1,1 kW **	–	3,50	20000	–	82	79	67,0	VFKB-45
HCTT/6-1000-B	930	1,5 kW **	–	4,50	24700	–	83	80	108,0	VFKB-48
<b>THREE PHASE 8 POLE</b>										
HCTT/8-710-B	670	370	–	1,20	9500	–	64	62	52,0	VFTM TRI 1,5
HCTT/8-800-B	700	370	–	1,90	11900	–	71	68	57,0	VFKB-45
HCTT/8-900-B	700	550	–	2,30	15000	–	74	71	67,0	VFKB-45
HCTT/8-1000-B	700	750	–	2,80	18600	–	75	72	108,0	VFKB-45

\* Sound pressure measured in free field condition.

\*\* Nominal power.

\*\*\* Low speeded with a delta/star switch.

\*\*\*\*Three phase speed controllers (RMT) or inverter controller (VFKB/VFTM) suitable for 400V.





## ■ Technical characteristics – Supply air configuration

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 (r.p.m.)	Maximum absorbed power (W)	Maximum absorbed current (A)		Maximum duty (m <sup>3</sup> /h)		Sound pressure* level at 1,5 meters (dB(A))		Weight (kg)	Speed Controller ****
			at 230 V	at 400 V	High speed	Low ***	Inlet	Outlet		
<b>SINGLE PHASE 4 POLE</b>										
HCTB/4-315-A	1300	100	0,54	–	2150	–	58	64	14,4	REB-1
HCTB/4-355-A	1225	200	0,96	–	3250	–	59	61	15,8	REB-1
HCTB/4-400-A	1200	340	1,64	–	4720	–	64	68	16,5	REB-2,5
HCTB/4-450-A	1290	480	2,30	–	6670	–	68	73	23,5	REB-2,5
HCTB/4-500-A	1290	650	3,10	–	8440	–	72	76	25,4	REB-5
HCTB/4-560-A	1250	980	4,90	–	11400	–	75	80	40,0	–
HCTB/4-630-A	1200	1700	7,60	–	15300	–	79	84	42,6	–
<b>SINGLE PHASE 6 POLE</b>										
HCTB/6-450-A	835	220	1,10	–	4400	–	56	60	23,5	REB-1
HCTB/6-500-A	840	290	1,50	–	5500	–	60	63	25,4	REB-2,5
HCTB/6-560-A	900	420	2,30	–	7900	–	64	68	40,0	REB-2,5
HCTB/6-630-A	900	510	2,50	–	9900	–	66	70	42,6	REB-5
<b>THREE PHASE 4 POLE</b>										
HCTT/4-315-A	1360	150	–	0,34	2150	1820	58	64	14,4	RMT-1,5
HCTT/4-355-A	1350	200	–	0,46	3250	2520	59	61	15,8	RMT-1,5
HCTT/4-400-A	1380	300	–	0,80	4720	3900	64	68	16,5	RMT-1,5
HCTT/4-450-A	1350	500	–	0,95	6670	5250	68	71	23,5	RMT-1,5
HCTT/4-500-A	1380	660	–	1,60	8440	7000	72	76	25,4	RMT-2,5
HCTT/4-560-A	1380	1210	–	2,30	11400	9800	75	80	40,0	VFTM TRI 3
HCTT/4-630-A	1360	1600	–	3,00	15300	–	79	84	42,6	VFTM TRI 4
HCTT/4-710-A	1300	2200	–	4,00	20500	–	80	85	60,0	VFTM TRI 5,5
HCTT/4-800-A	1400	3 kW **	–	7,30	26600	–	85	90	67,0	VFKB-48
HCTT/4-900-A	1400	4 kW **	–	9,50	35900	–	88	94	77,0	VFTM TRI 5,5
HCTT/4-1000-A	1400	5,5 kW **	–	12,00	44900	–	89	95	123,0	VFTM TRI 5,5
<b>THREE PHASE 4/8 POLE</b>										
HCTT/4/8-400-A	1300/700	250/150	–	0,50/0,35	4720	2360	59	58	18,6	–
HCTT/4/8-450-A	1360/700	400/170	–	0,80/0,50	6670	3335	63	61	26	–
HCTT/4/8-500-A	1370/700	550/230	–	1,2/0,8	8440	4220	69	67	28	–
HCTT/4/8-560-A	1300/700	1100/300	–	2/1	11400	5700	73	69	60	–
HCTT/4/8-630-A	1400/720	1300/400	–	2/1,40	15300	7650	74	70	65	–
HCTT/4/8-710-A	1300/670	2200/500	–	4,00/1,5	20500	10250	82	80	80	–
HCTT/4/8-800-A	1430/720	3/0,65 kW **	–	6,8/2,5	26600	13300	89	86	85	–
HCTT/4/8-900-A	1455/730	4/0,75 kW **	–	8,9/3,2	35900	17950	92	89	90	–
HCTT/4/8-1000-A	1425/715	5,5/1,1 kW **	–	11/3,7	44900	22450	93	90	125	–
<b>THREE PHASE 6 POLE</b>										
HCTT/6-450-A	835	190	–	0,48	4400	3600	56	60	23,5	RMT-1,5
HCTT/6-500-A	830	250	–	0,57	5500	4500	60	63	25,4	RMT-1,5
HCTT/6-560-A	850	410	–	0,93	7900	6700	64	68	40,0	RMT-1,5
HCTT/6-630-A	810	600	–	1,18	9900	7800	66	70	42,6	RMT-1,5
HCTT/6-710-A	900	1100	–	3,30	14200	–	69	75	54,0	VFTM TRI 4
HCTT/6-800-A	930	0,75 kW**	–	2,50	17700	–	75	80	57,0	VFKB-45
HCTT/6-900-A	930	1,1 kW**	–	3,50	23800	–	78	84	67,0	VFKB-45
HCTT/6-1000-A	930	1,5 kW**	–	4,50	28800	–	79	85	108,0	VFKB-48
<b>THREE PHASE 8 POLE</b>										
HCTT/8-710-A	670	370	–	1,20	10600	–	61	67	52,0	VFTM TRI 1,5
HCTT/8-800-A	700	0,37 kW**	–	1,90	13300	–	67	72	57,0	VFKB-45
HCTT/8-900-A	700	0,55 kW**	–	2,30	18000	–	70	76	67,0	VFKB-45
HCTT/8-1000-A	700	0,75 kW**	–	2,80	21700	–	71	77	105,0	VFKB-45

\* Sound pressure measured in free field condition.

\*\* Nominal power.

\*\*\* Low speed with a delta/star switch.

\*\*\*\* Three phase speed controllers (RMT) or inverter controller (VFKB/VFTM) suitable for 400V.

HCTB / HCTT

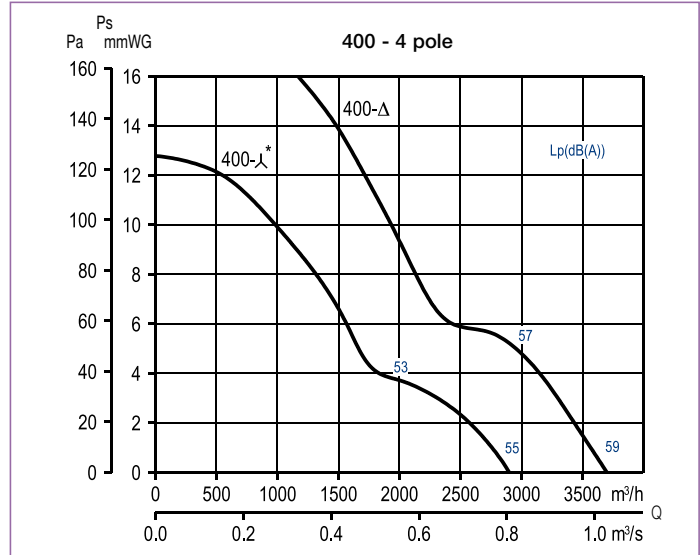
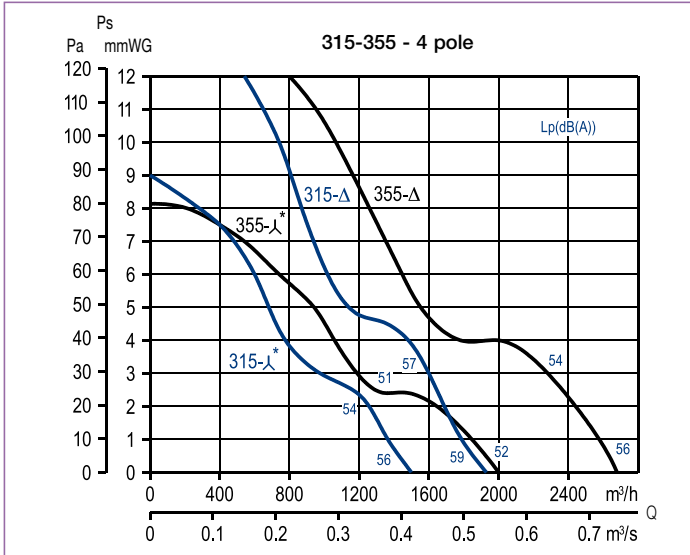
Roof mounted fans



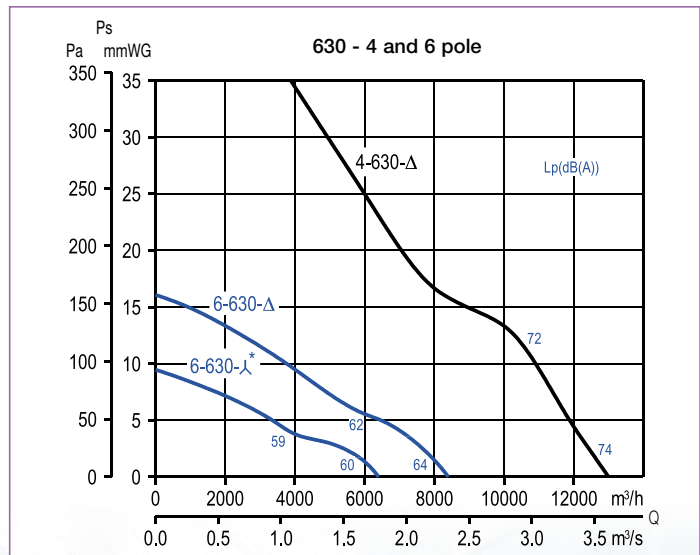
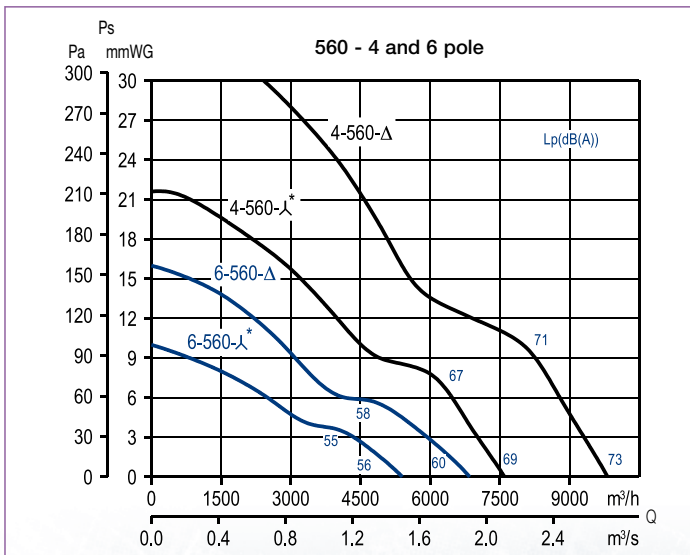
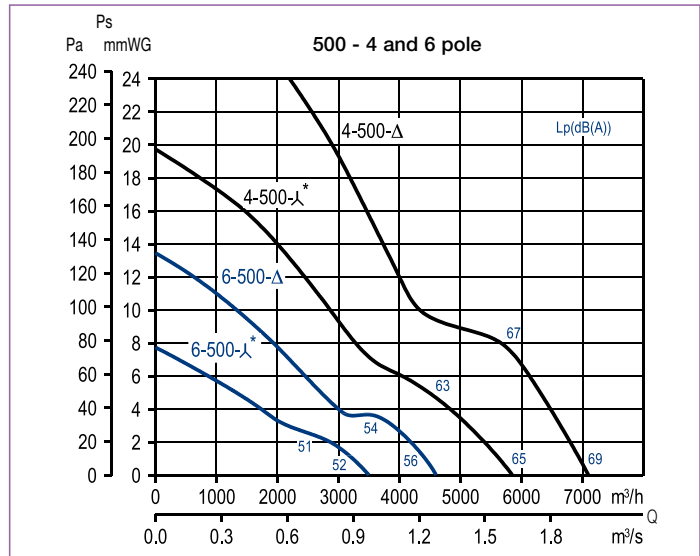
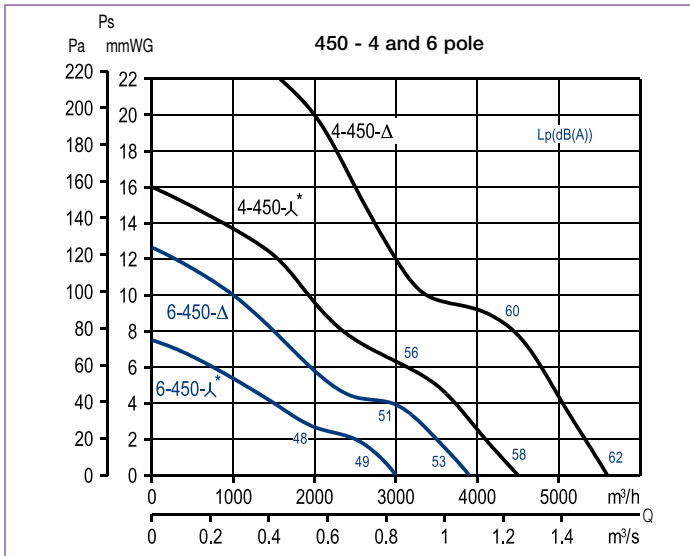
## Performance curves – Extract air configuration (type B)

- Q = Air volume in, m<sup>3</sup>/hr and m<sup>3</sup>/s.
- Ps = 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.

HCTB / HCTT



Roof mounted fans

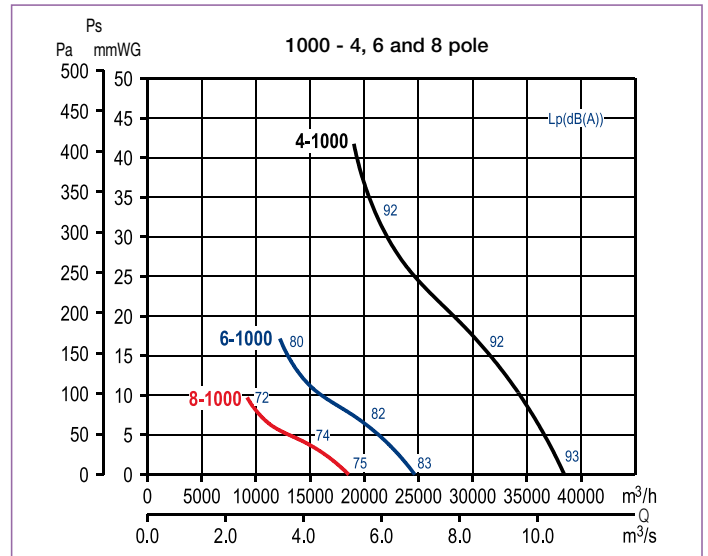
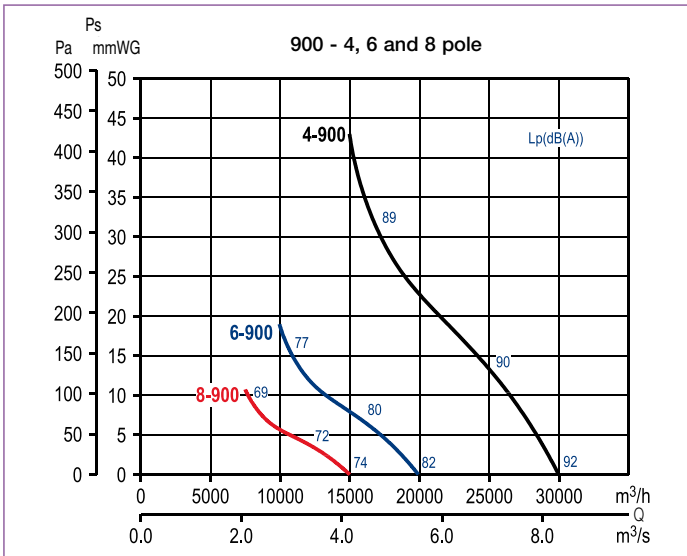
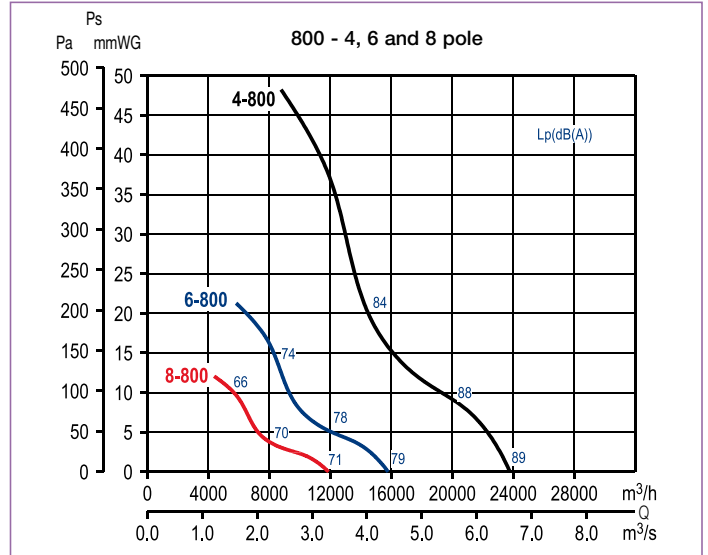
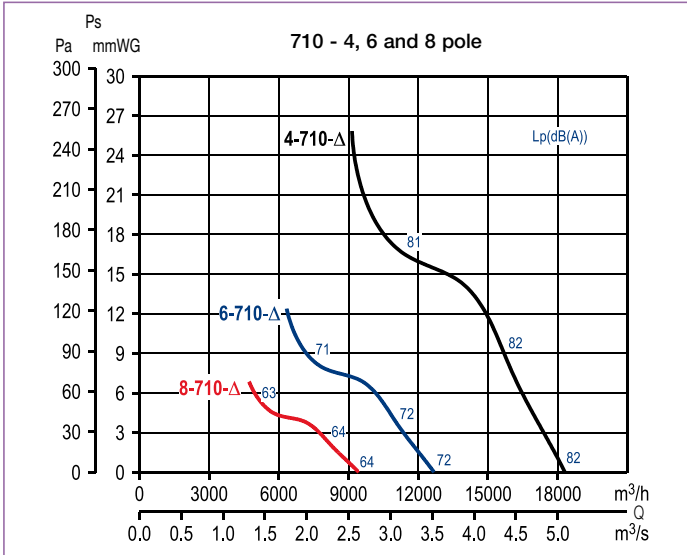


\*Low speed: only for three phase models.

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

## ■ Performance curves – Extract air configuration (type B)

- Q = Air volume in, m<sup>3</sup>/hr and m<sup>3</sup>/s.
- Ps = 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.



\*Low speed: only for three phase models.

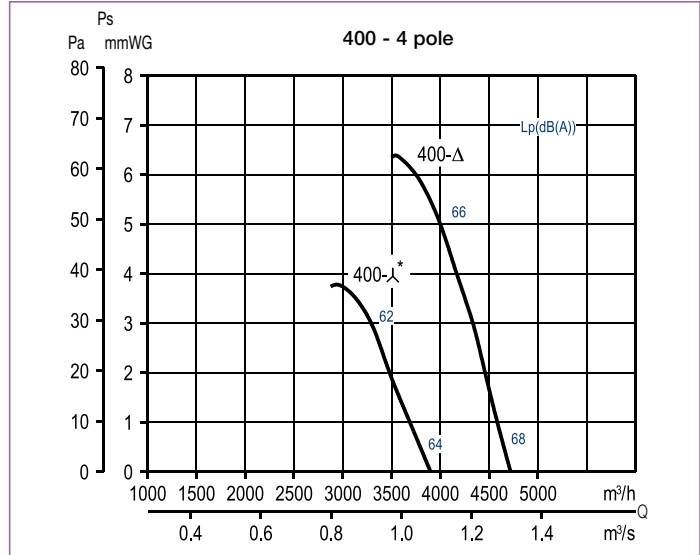
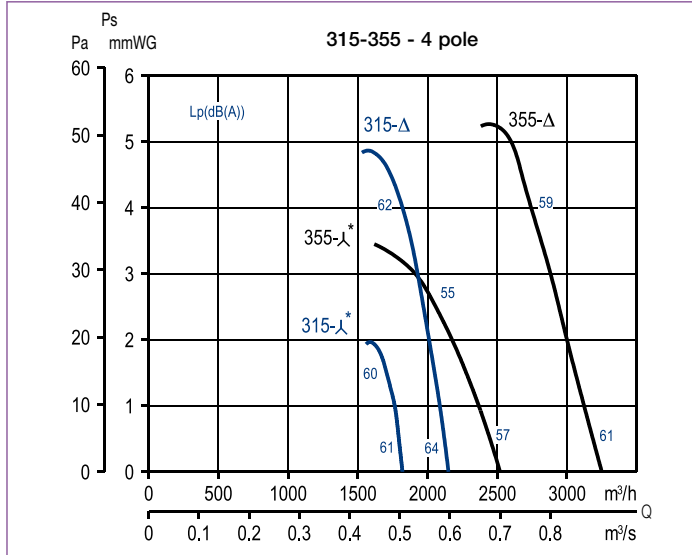
The values of sound are sound pressure levels measured at 1,5 m, in free field conditions, at the fan inlet side.



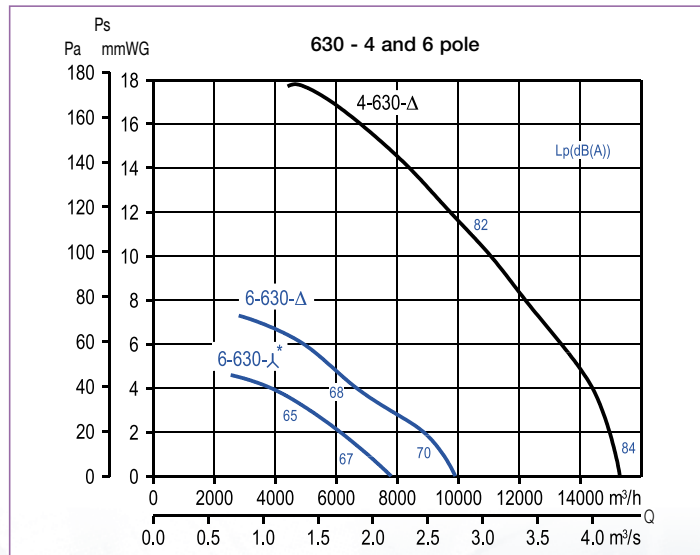
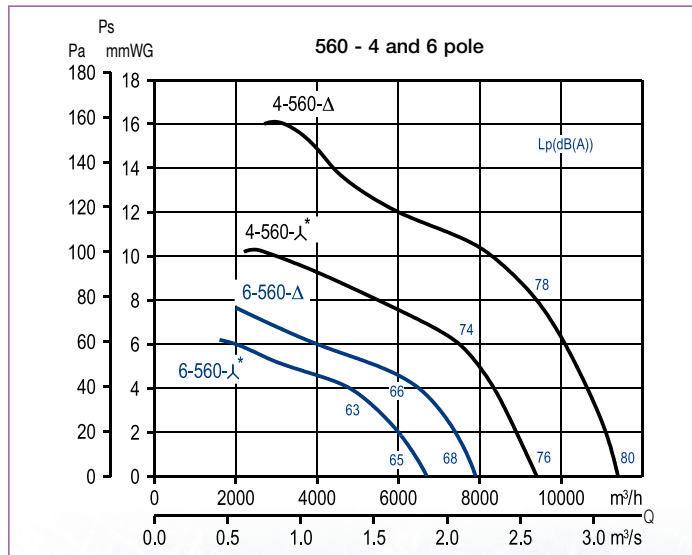
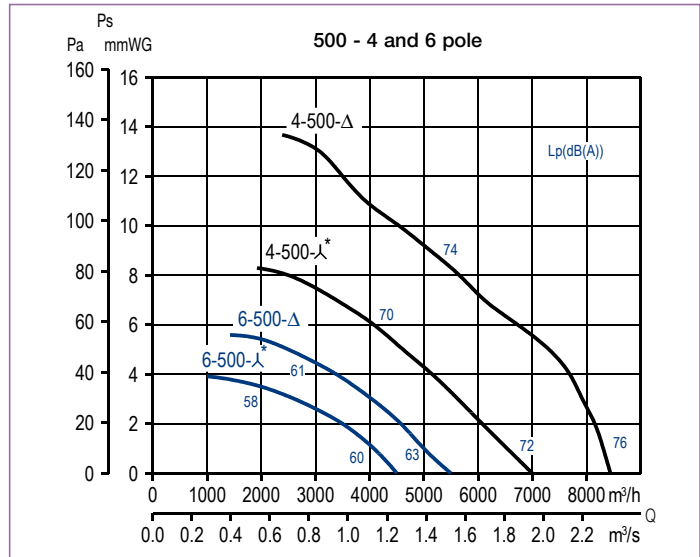
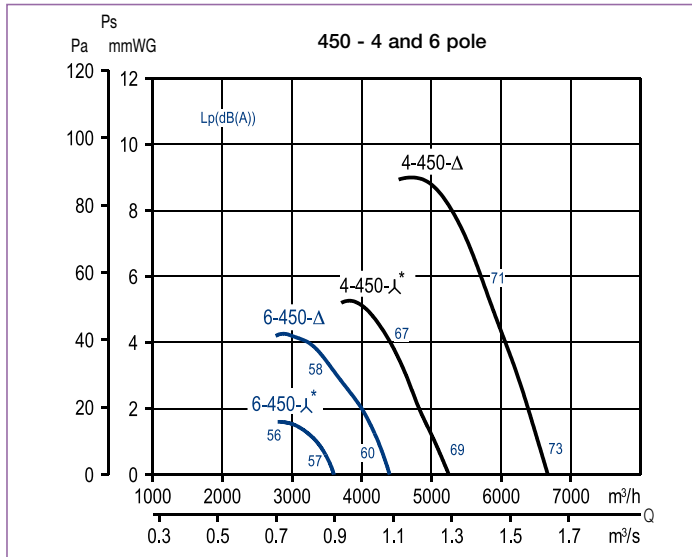
## ■ Performance curves – Supply air configuration (type A)

- Q = Air volume in, m<sup>3</sup>/hr and m<sup>3</sup>/s.
- Ps = 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.

HCTB / HCTT



Roof mounted fans

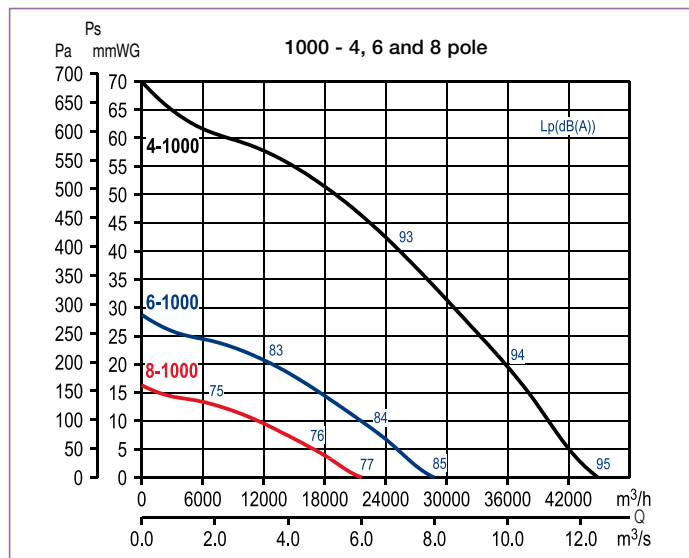
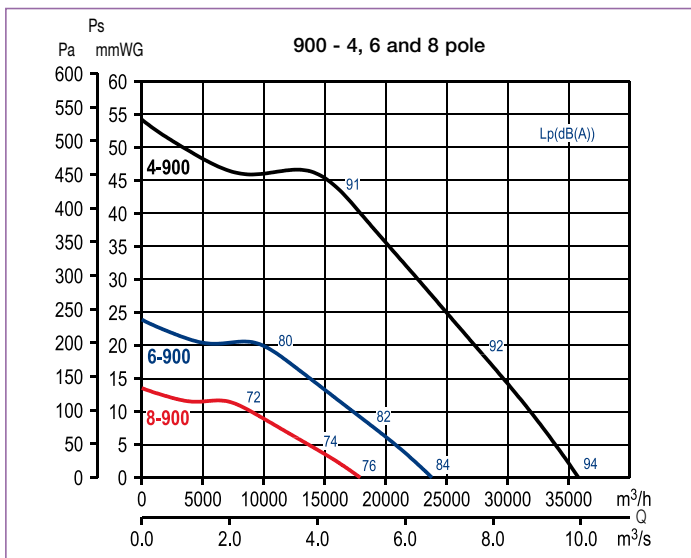
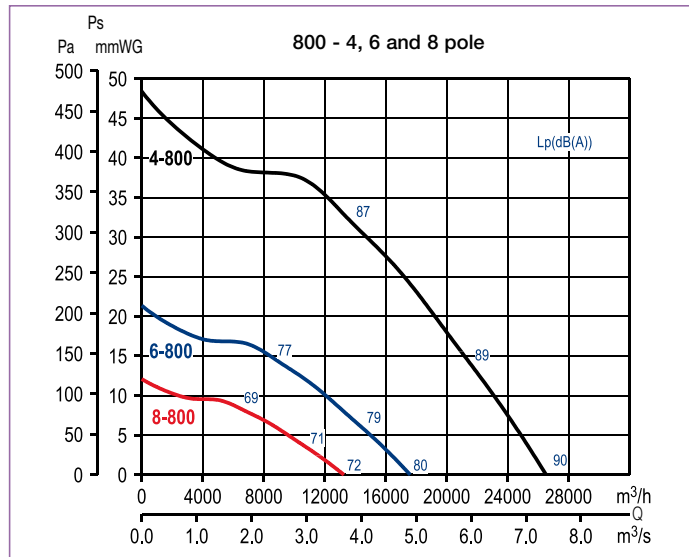
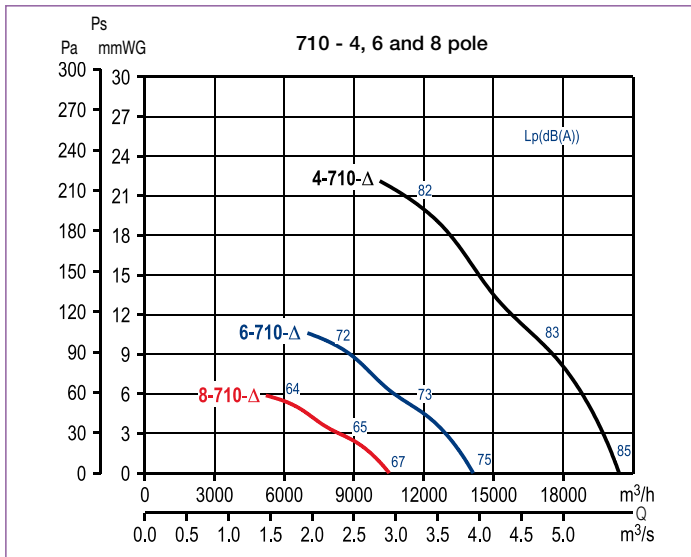


\*Low speed: only for three phase models.

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

## ■ Performance curves – Supply air configuration (type A)

- Q = Air volume in, m<sup>3</sup>/hr and m<sup>3</sup>/s.
- Ps = 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.



\*Low speed: only for three phase models.

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



## Acoustic characteristics

**Sound power spectrum:** To obtain the sound power level spectrum, add the correction value shown below from value given in the technical characteristics table:

Outlet		63	125	250	500	1000	2000	4000	8000	
4 POLE	315	Inlet	41	57	51	73	64	63	58	51
		Outlet	41	53	54	72	62	60	56	50
	355	Inlet	45	56	56	60	65	66	63	56
		Outlet	46	56	63	61	63	64	61	54
	400	Inlet	50	59	58	65	66	69	68	59
		Outlet	51	60	63	65	65	66	66	57
	450	Inlet	52	60	60	67	72	71	69	61
		Outlet	52	63	64	68	70	70	68	61
	500	Inlet	55	64	71	74	80	79	74	66
		Outlet	55	65	72	74	76	75	71	64
	560	Inlet	57	65	75	81	82	81	76	69
		Outlet	57	69	73	76	78	78	75	67
	630	Inlet	63	70	72	79	83	83	81	73
		Outlet	62	73	75	77	80	78	76	71
	710	Inlet	71	82	90	89	93	89	82	73
		Outlet	72	86	89	87	89	86	80	72
	800	Inlet	76	91	96	99	99	95	87	79
		Outlet	77	93	95	94	94	92	86	77
	900	Inlet	77	94	98	102	102	98	91	83
		Outlet	77	96	98	97	97	95	89	80
1000	Inlet	76	93	97	103	103	101	94	86	
	Outlet	78	94	96	97	100	99	93	85	

INLET		63	125	250	500	1000	2000	4000	8000	
4 POLE	315	Outlet	39	61	62	77	68	66	58	52
		Inlet	38	59	65	69	65	60	55	50
	355	Outlet	41	61	64	69	72	71	64	56
		Inlet	40	62	66	67	69	66	61	52
	400	Outlet	47	67	71	75	78	76	69	59
		Inlet	46	66	68	72	74	71	65	54
	450	Outlet	50	71	75	79	82	79	72	64
		Inlet	47	72	72	77	78	73	67	59
	500	Outlet	57	75	80	84	86	83	76	68
		Inlet	56	74	79	81	82	78	71	65
	560	Outlet	58	85	84	87	90	87	79	71
		Inlet	58	80	84	82	85	82	75	66
	630	Outlet	63	86	90	91	94	91	83	73
		Inlet	64	83	89	87	88	85	77	68
	710	Outlet	73	89	92	93	96	92	84	76
		Inlet	71	88	89	87	88	85	78	70
	800	Outlet	73	89	95	100	100	97	91	84
		Inlet	70	91	94	94	93	90	83	75
	900	Outlet	85	93	99	104	104	101	95	88
		Inlet	73	95	97	97	96	94	88	80
1000	Outlet	78	92	99	104	105	104	98	90	
	Inlet	72	94	95	97	99	97	91	83	

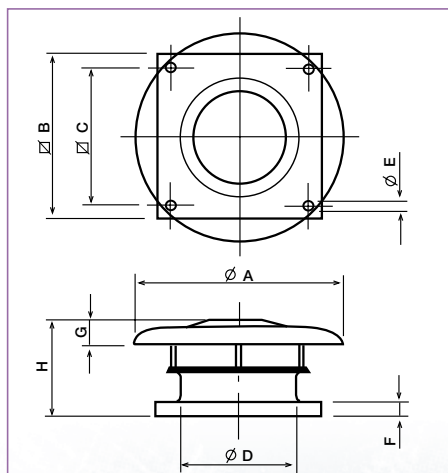
6 POLE	450	Inlet	42	48	54	58	62	64	58	50
		Outlet	44	50	56	58	60	61	57	49
	500	Inlet	45	52	57	60	65	66	62	53
		Outlet	46	53	59	61	63	63	59	52
	560	Inlet	48	56	62	64	70	70	65	57
		Outlet	49	59	63	64	66	67	63	55
	630	Inlet	51	57	65	68	73	74	70	60
		Outlet	53	61	66	67	69	70	68	59
	710	Inlet	61	72	80	79	83	79	72	63
		Outlet	62	76	79	77	79	76	70	62
	800	Inlet	66	81	86	89	89	85	77	69
		Outlet	67	83	85	84	84	82	76	67
	900	Inlet	67	84	88	92	92	88	81	73
		Outlet	67	86	88	87	87	85	79	70
	1000	Inlet	66	83	87	93	93	91	84	76
		Outlet	68	84	86	87	90	89	83	75

6 POLE	450	Outlet	49	60	65	67	70	67	60	52
		Inlet	44	58	66	65	65	62	55	47
	500	Outlet	54	65	69	71	74	71	62	54
		Inlet	52	63	68	69	69	66	59	50
	560	Outlet	56	70	74	75	78	75	67	59
		Inlet	54	70	72	71	73	70	63	54
	630	Outlet	59	73	78	77	80	77	68	59
		Inlet	57	72	76	73	75	72	64	54
	710	Outlet	63	79	82	83	86	82	74	66
		Inlet	60	77	78	76	77	74	67	59
	800	Outlet	63	79	85	90	90	87	81	74
		Inlet	60	81	84	84	83	80	73	65
	900	Outlet	75	83	89	94	94	91	85	78
		Inlet	63	85	87	87	86	84	78	70
	1000	Outlet	68	82	89	94	95	94	88	80
		Inlet	62	84	85	87	89	87	81	73

8 POLE	710	Inlet	53	64	72	71	75	71	64	55
		Outlet	54	68	71	69	71	68	62	54
	800	Inlet	58	73	78	81	81	77	69	61
		Outlet	59	75	77	76	76	74	68	59
	900	Inlet	59	76	80	84	84	80	73	65
		Outlet	59	78	80	79	79	77	71	62
1000	Inlet	58	75	79	85	85	83	76	68	
	Outlet	60	76	78	79	82	81	75	67	

8 POLE	710	Outlet	55	71	74	75	78	74	66	58
		Inlet	52	69	70	68	69	66	59	51
	800	Outlet	55	71	77	82	82	79	73	66
		Inlet	52	73	76	76	75	72	65	57
	900	Outlet	67	75	81	86	86	83	77	70
		Inlet	55	77	79	79	78	76	70	62
1000	Outlet	60	74	81	86	87	86	80	72	
	Inlet	54	76	77	79	81	79	73	65	

## Dimensions (mm)

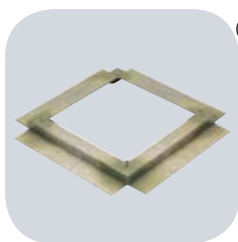


Model	Ø A	□ B	□ C	Ø D	Ø E	F	G	H
315	640	560	450	315	12	40	70	341
355	760	630	535	355	12	40	80	361
400	760	630	535	400	12	40	80	361
450	895	710	590	450	14	40	110	410
500	895	710	590	500	14	40	110	410
560	1150	905	750	560	14	50	165	488
630	1150	905	750	630	14	50	165	488
710	1350	1100	840	710	14	50	200	551
800	1350	1100	840	800	14	50	200	732
900	1580	1250	950	900	14	50	200	756
1000	1580	1250	950	1000	14	50	200	756

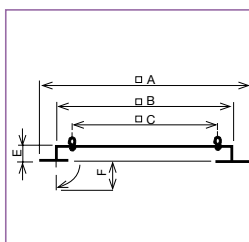




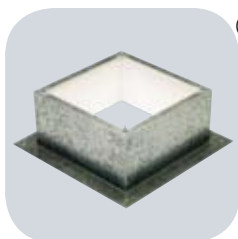
## ■ Mounting accessories



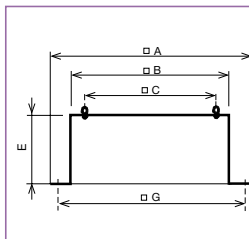
- ① **Sealing Frame JMS**
- For mounting a roof fan on an up stand or base.
  - Supplied with screws and gasket for a complete weatherproof seal.



Model JMS	□ A	□ B	□ C	E	F
560	725	545	450	50	70
630	795	615	535	50	70
710	875	695	590	50	70
905	1065	885	750	60	70
1100	1260	1080	840	60	70
1250	1410	1230	950	60	70



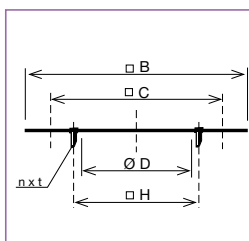
- ② **Flat Roof Up stand JBS**
- For mounting a fan on a flat roof without up stands.
  - For use on horizontal roofs.
  - Internal insulation to prevent condensation.
  - Supplied with screws and gasket for a complete weather seal.



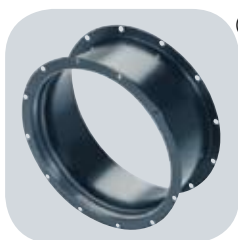
Model JBS	□ A	□ B	□ C	E	□ G
560	725	544	450	300	635
630	795	614	535	300	705
710	875	694	590	300	785
905	1065	884	750	400	975
1100	1260	1079	840	400	1170
1250	1410	1230	950	300	1320



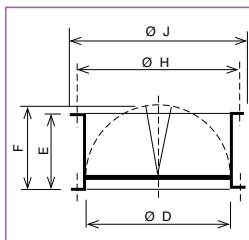
- ④ **Accessory Adapter Plate JPA**
- Used when mounting the accessories (JCA, JBR, JAE).
  - Allows the fan to be disconnected from the up stand without having to remove the duct.



Model JPA	□ B	□ C	∅ D	n x l	∅ H
560	544	450	358	8xM8	395
630	614	535	403	8xM10	450
710	694	590	503	12xM10	560
905	884	750	633	12xM10	690
1100	1079	840	713	16xM10	770
1250-N	1230	950	1000	8xM12	1070



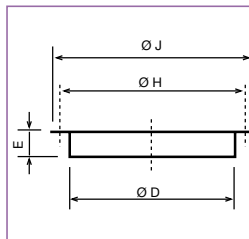
- ⑤ **Backdraft Shutter JCA**
- Prevents backdraft when the fan is not operating.
  - To be mounted at the fan inlet with the JPA plate.



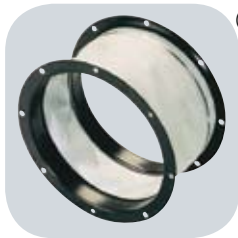
Model JCA	∅ D	E	F	∅ H	∅ J
560-N	358	210	227	395	415
630-N	403	240	250	450	474
710-N	503	285	300	560	581
905-N	633	345	365	690	714
1100-N	713	390	410	770	806
1250	1004	560	560	1070	1110



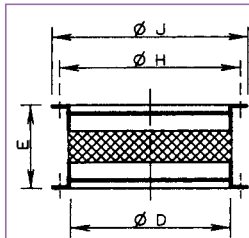
- ⑥ **Flange JBR**
- For use when circular connection is required directly to the fan.
  - To be mounted at the fan inlet with the JPA plate or fixed directly to the fan base (rivets or screws not supplied).



Model JBR	∅ D	E	∅ H	∅ J
560	358	55	395	415
630	403	63	450	474
710	503	69	560	581
905	633	69	690	714
1100	713	69	770	797
1250	1004	105	1070	1110



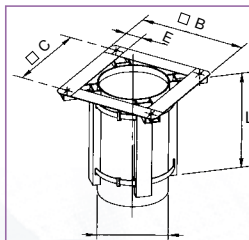
- ⑦ **Flexible Coupling JAE**
- Reduces the transmission of vibrations when the duct is connected directly to the fan.
  - To be mounted at the fan inlet with JPA plate.



Model JAE	∅ D	E	∅ H	∅ J
560	358	254	395	415
630	403	254	450	474
710	503	254	560	581
905	633	254	690	714
1100	713	254	770	797



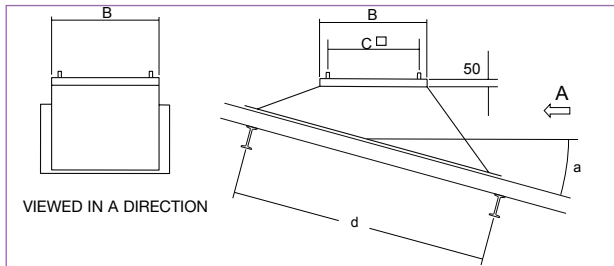
- ⑧ **Adapter For Circular Duct JCC**
- For use when fitting the models up to 400, directly to a spirally wound circular duct.



Model JCC	∅ B	∅ C	∅ D	E	L
560	520	450	355	70	350
630	605	535	400	70	350

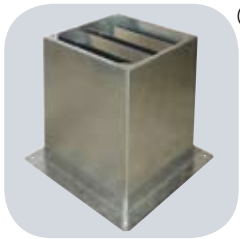


- ⑨ **BI support base for inclined curb mounted installations**
- To ensure a proper installation of the product it is essential to specify the roof pitch angle and the distance between the roof beam profiles.

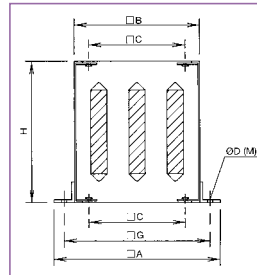


d: distance between the roof beam profiles a: roof pitch angle (curb)

Model BI	B	C
BI-5	544	450
BI-6	614	535
BI-7	694	590
BI-9	884	750
BI-11	1079	840
BI-12	1230	950



- ③ **Acoustic Up stand JAA**
- Reduces in duct and radiated noise.
  - For use when mounting a fan on a flat roof without up stands.
  - Supplied with screws and gasket for a complete weather seal.

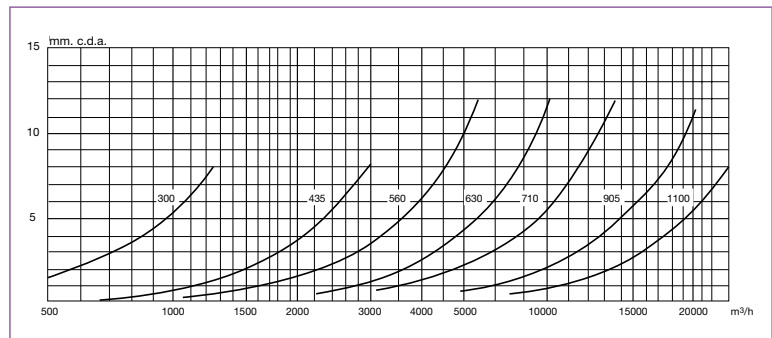


Model JAA	A	B	C	Ø D (M)	H	G
560	725	545	450	15 (M12)	750	635
630	795	615	535	15 (M12)	750	705
710	875	695	590	18 (M14)	1000	785
905	1065	885	750	18 (M14)	1000	975
1100	1260	1080	840	18 (M14)	1000	1170
1250	1410	1230	950	18 (M14)	1000	1320

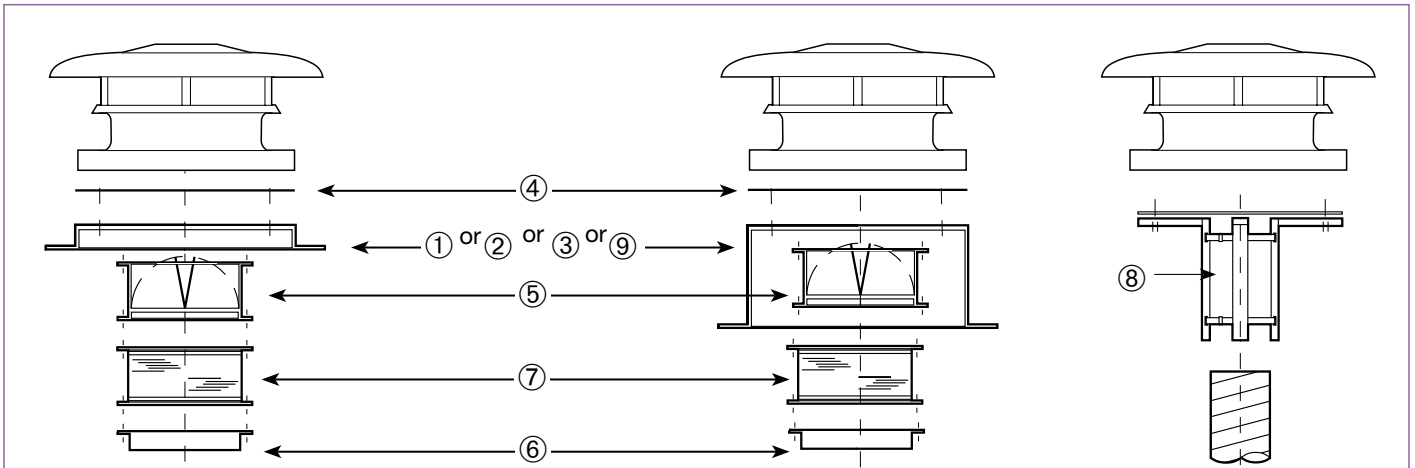
Acoustic attenuation in dB(A) at the corresponding frequency band in (Hz).

Model	125	250	500	1000	2000	4000	8000
JAA-560	2	8	16	29	32	26	17
JAA-630	2	8	14	24	27	19	13
JAA-710	2	8	14	24	28	16	11
JAA-905	2	7	14	26	30	19	12
JAA-1100	2	7	16	27	32	20	13
JAA-1250	2	7	16	24	21	11	6

JAA Attenuator pressure drops



## Installation



Model of fan	① Sealing frame	② Flat roof insulated up stand	③ Acoustic up stand	④ Accessory adapter plate	⑤ Back draft shutter	⑥ Flange with spigot	⑦ Flexible coupling	⑧ Circular adapter	⑨ Support base for inclined curb mounted installations
315	JMS-560	JBS-560	JAA-560	JPA-560	JCA-560-N	JBR-560	JAЕ-560	JCC-560	BI-5
355 400	JMS-630	JBS-630	JAA-630	JPA-630	JCA-630-N	JBR-630	JAЕ-630	JCC-630	BI-6
450 500	JMS-710	JBS-710	JAA-710	JPA-710	JCA-710-N	JBR-710	JAЕ-710	-	BI-7
560 630	JMS-905	JBS-905	JAA-905	JPA-905	JCA-905-N	JBR-905	JAЕ-905	-	BI-9
710 800	JMS-1100	JBS-1100	JAA-1100	JPA-1100	JCA-1100-N	JBR-1100	JAЕ-1100	-	BI-11
900 1000	JMS-1250	JBS-1250	JAA-1250	JPA-1250	JCA-1250	JBR-1250	-	-	BI-12

HCTB / HCTT

Roof mounted fans

## Electrical accessories



**REB**  
Single phase electronic speed controllers



**RMB/RMT**  
Auto transformer speed controllers available in single phase and three phase motors



**On/ Off Electrical isolation switch**  
- Switch On/ Off 5P  
- Switch On/ Off 8P



**COM D/S**  
Switch  $\Delta/\Delta$   
Enables to connect three phase fans

