



Range of centrifugal roof fans which are mounted directly above a circular duct for the ventilation of housings and small enclosures.

Centrifugal backward curved impeller in galvanised sheet steel.

Galvanised steel sheet housing protected by black epoxy polyester paint.

All models are fitted with bird proof guard. 4 different sizes for diameter ducts 160, 200, 250 and 315 mm.

ON-OFF switch IP55.

Duct connection flange with integrated rubber air seal.

Manual resetting thermal protector 155°C.

#### Motors

All motors are IP55, Class F, direct drive.

Electrical supply:

Single phase motor 230V 50Hz.

Variable voltage.

Working temperature: -40°C/+70°C.



#### Isolation switch

On-Off electrical isolation switch fitted on the fan as standard.



#### Bird proof guard

Steel finger proof guard.

#### Specific applications



Multi dwelling blocks

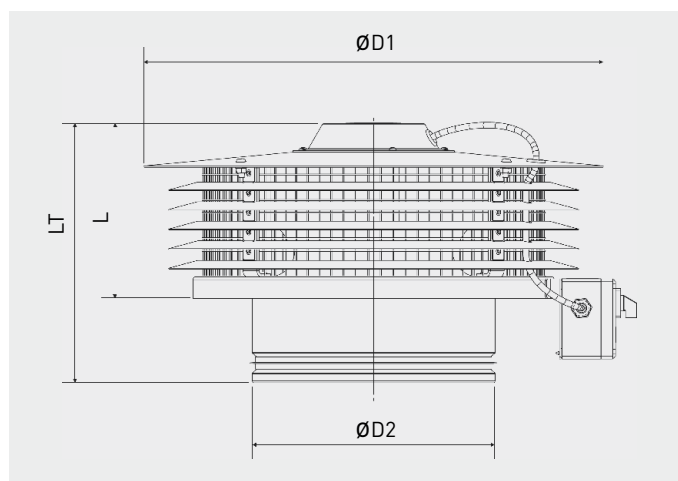
## TECHNICAL CHARACTERISTICS

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)	Maximum airflow (m <sup>3</sup> /h)	Sound pressure level at 3 m* (dB(A))		Weight (kg)
					Inlet	Outlet	
CTB/4-400/160	1425	23	0,13	450	34	41	5,5
CTB/4-500/200	1450	47	0,21	570	38	44	6,5
CTB/4-800/250	1430	55	0,24	840	36	42	8,0
CTB/4-1300/315	1410	110	0,48	1.400	42	48	9,0

\* Sound power level at the midpoint of the curve.

## DIMENSIONS (mm)



Model	D1	D2	L1	LT
CTB/4-400/160	410	159	143	229
CTB/4-500/200	410	199	156	242
CTB/4-800/250	470	249	179	266
CTB/4-1300/315	470	314	202	288

## ACOUSTIC CHARACTERISTICS

Sound power spectrum: The sound levels shown in these tables are sound power levels at the outlet and inlet, in dB(A) for frequency ranges at three points of the curve: A - free outlet, B - medium pressure, C - maximum pressure.

CTB/4-400/160		63	125	250	500	1000	2000	4000	8000	LwA	LpA*
Inlet	A	31	39	44	50	51	52	53	39	58	37
	B	29	37	42	47	48	48	44	34	53	33
	C	34	40	44	47	46	45	40	32	52	32
Outlet	A	32	41	48	54	59	60	56	42	64	43
	B	31	39	45	51	55	57	48	37	60	39
	C	34	41	47	50	53	54	44	36	58	37

CTB/4-500/200		63	125	250	500	1000	2000	4000	8000	LwA	LpA*
Inlet	A	33	45	47	51	53	53	57	44	60	40
	B	32	45	45	49	51	50	51	41	57	36
	C	31	46	44	47	48	48	47	39	55	34
Outlet	A	32	45	50	56	60	61	61	47	66	45
	B	32	44	48	53	58	59	56	44	63	43
	C	32	44	46	51	56	57	51	42	60	40

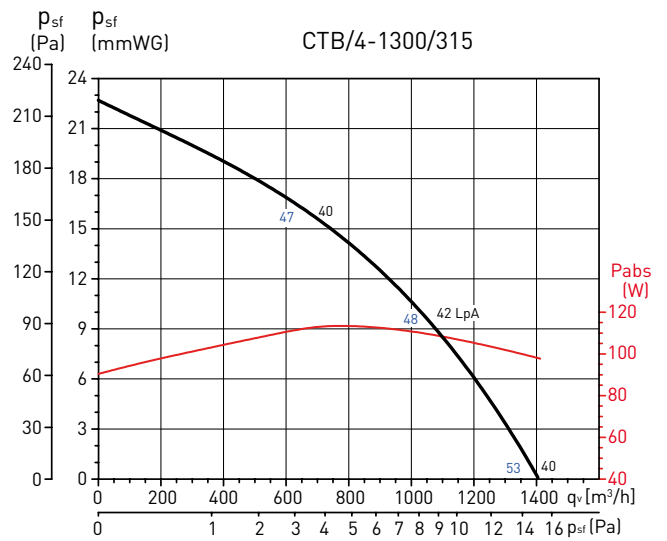
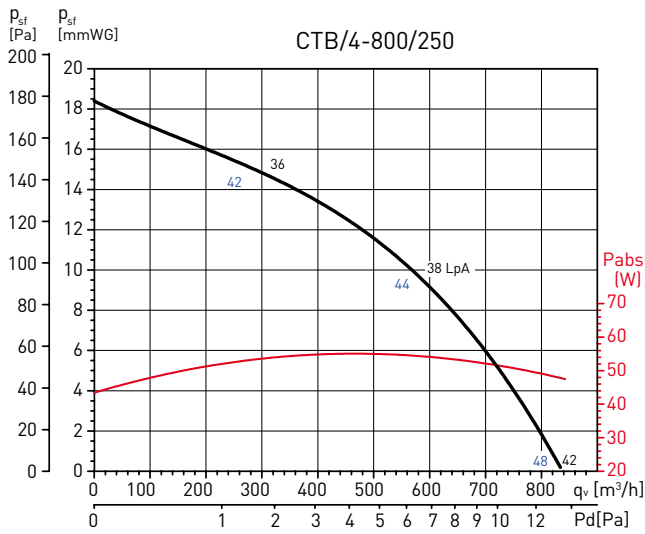
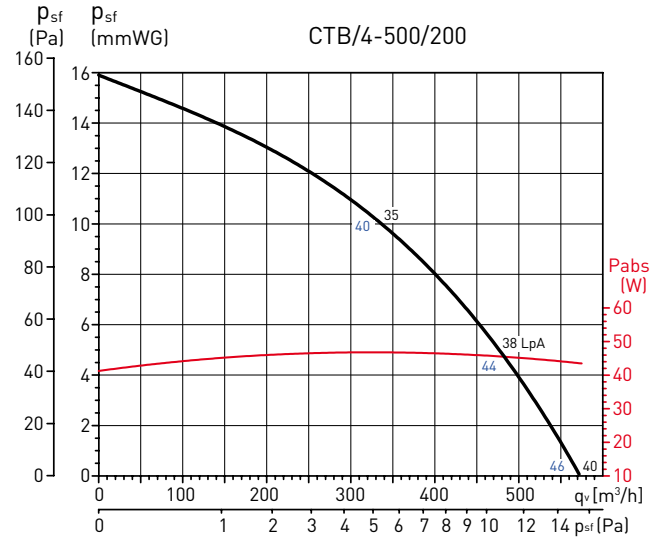
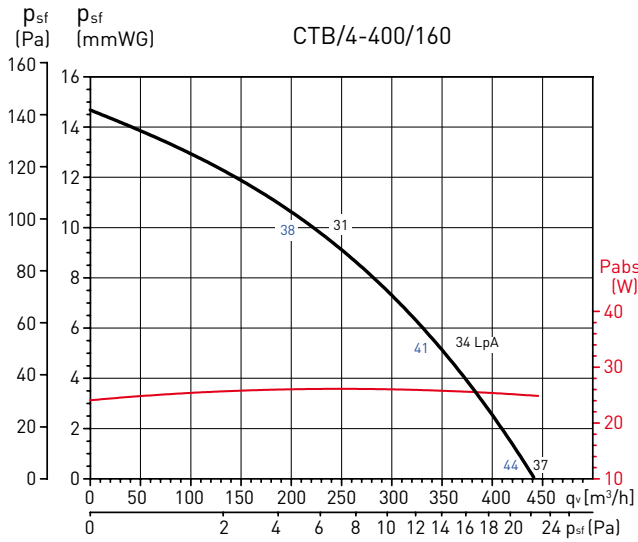
CTB/4-800/250		63	125	250	500	1000	2000	4000	8000	LwA	LpA*
Inlet	A	32	45	50	56	56	55	61	49	64	43
	B	29	41	46	52	52	51	52	45	58	38
	C	42	51	52	53	53	51	49	43	59	39
Outlet	A	31	44	54	60	63	64	63	51	69	48
	B	29	42	48	55	59	60	55	47	64	43
	C	42	51	53	57	60	60	54	46	65	44

CTB/4-1300/315		63	125	250	500	1000	2000	4000	8000	LwA	LpA*
Inlet	A	42	51	56	60	60	58	62	53	67	46
	B	37	46	52	56	56	55	56	48	62	42
	C	41	48	51	54	55	53	52	47	60	40
Outlet	A	42	52	61	65	68	68	66	58	73	53
	B	40	47	56	60	64	64	60	52	69	48
	C	43	49	55	59	63	62	57	51	67	47

\* Sound pressure level dB(A) measured at 3 m, in free field conditions.

## PERFORMANCE CURVES

- $q_v$ : Airflow 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.
- Average sound pressure level, measured at 3m at the inlet (black) and discharge (blue).



## ELECTRICAL ACCESSORIES



**REB**  
Single phase  
electronic  
speed controllers.