




Acoustic cabinet fans manufactured from heavy gauge galvanised steel sheet and internally lined with 50 mm thickness of fireproof acoustic insulation (M0). Fan cover supplied with “quick-fix” fixings to enable fast removal and fitting, and a tight close. All models incorporate single phase direct-drive forward curved centrifugal fan. All fans installed in acoustic cabinet fans CAB comply with the efficiency requirements of the ErP Directive. 

All cabinets can be installed outdoors as standard.

Available, depending upon the model, with single motors in 2 or 4 poles.

**Motors**

From CAB-100 to 315, all motors are IP44, Class B, with ball bearings and thermal protection.

From CAB-315N to 400, all motors are IP55, Class F, with ball bearings and thermal protection.

Electrical supply:

Single phase 230V-50Hz.

Speed controllable using voltage regulation.

Working temperature from -20°C to +40°C.



**Low noise level**

Acoustic insulation of 50 mm thickness fireproof fibreglass (M0) with a high resistance coating reducing the noise level significantly.



**Cabinet air tightness**

All models incorporate inlet and discharge circular duct connection flanges with integrated rubber air seal.



**IP55**

**remote terminal box**

To ease installation and connection to external controls.



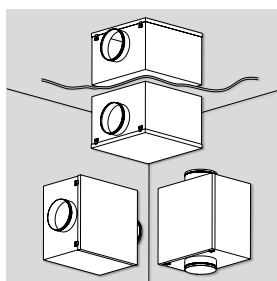
**Easy maintenance**

“Quick fix” fixings to enable a fast and easy maintenance.



**Easy to install**

All models are supplied with four mounting feet to facilitate any ceiling, wall or floor mounting installation.



**Installation in any position**

Can be mounted in vertical, horizontal or inverted position.

### 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	Fan size	Speed (rpm)	Max.abs. power (W)	Max.abs. current at 230V (A)	Max. airflow (m³/h)	Sound pressure level ** (dB(A)) at 1,5 m			Weight (kg)	Speed controller
						Outlet	Inlet	Radiated*		
CAB-100	140/059	1500	45	0,19	205	30	44	29	16	REB-1N
CAB-125	140/059	1350	50	0,2	240	46	33	29	16	REB-1N
CAB-150	140/059	1700	101	0,42	340	36	50	32	18	REB-1N
CAB-160	140/059	1750	100	0,4	390	54	40	35	18	REB-1N
CAB-200	133/126	2000	205	0,7	690	55	45	37	22	REB-1N
CAB-250	180/184	1320	230	0,8	1250	57	41	33	25	REB-1N
CAB-250N	146/180	2000	370	1,4	1230	62	45	38	27	REB-2,5N
CAB-315	180/240	1400	430	1,8	2210	63	50	37	33	REB-2,5N
CAB-315N	240/180	1400	780	3,24	2600	70	53	48	33	REB-5
CAB-355	240/240	1400	1100	4,6	3150	68	53	44	35	REB-5
CAB-400	240/240	1400	1100	4,6	3400	70	56	44	35	REB-5

\* Fan ducted on both inlet and outlet sides.

\*\* Sound pressure levels measured in free field condition at 2/3 of the Qmax.

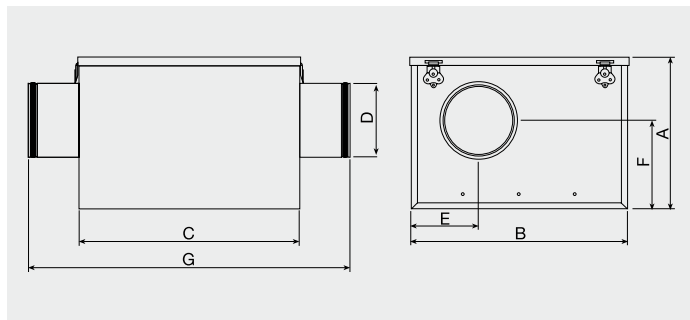
### ACOUSTIC CHARACTERISTICS

Sound power spectrum in dB(A) at 2/3 of Qmax:

Model		63	125	250	500	1000	2000	4000	8000
CAB-100	Inlet	34	44	42	46	56	53	48	44
	Outlet	38	41	35	34	34	32	27	25
	Radiated	38	38	34	33	32	30	27	25
CAB-125	Inlet	35	46	44	50	59	54	50	44
	Outlet	41	46	36	36	37	35	32	29
	Radiated	41	41	25	27	26	25	22	20
CAB-150	Inlet	35	53	53	57	63	62	58	56
	Outlet	41	51	43	42	43	41	41	36
	Radiated	41	47	38	37	40	34	31	27
CAB-160	Inlet	38	55	55	60	65	65	60	56
	Outlet	42	53	44	43	40	43	43	39
	Radiated	38	49	36	35	32	31	30	30
CAB-200	Inlet	37	53	54	60	67	64	61	57
	Outlet	46	56	50	52	50	49	45	40
	Radiated	31	51	41	36	40	37	31	27
CAB-250	Inlet	49	54	55	62	69	66	62	57
	Outlet	48	51	49	47	48	46	41	36
	Radiated	41	44	39	37	39	35	30	26

Model		63	125	250	500	1000	2000	4000	8000
CAB-250N	Inlet	51	59	60	67	71	74	69	64
	Outlet	52	54	52	51	48	54	49	42
	Radiated	41	47	44	43	44	47	41	33
CAB-315	Inlet	48	60	62	67	73	73	70	66
	Outlet	55	54	58	54	58	59	52	45
	Radiated	40	46	47	41	44	43	37	34
CAB-315N	Inlet	54	65	69	76	80	78	76	72
	Outlet	57	59	59	55	60	61	58	52
	Radiated	55	52	54	51	56	55	55	49
CAB-355	Inlet	64	67	68	72	78	76	74	68
	Outlet	55	62	60	55	59	60	58	49
	Radiated	44	54	53	49	50	46	42	37
CAB-400	Inlet	59	63	68	75	81	79	77	70
	Outlet	60	63	61	58	65	65	60	50
	Radiated	41	52	53	51	52	48	42	36

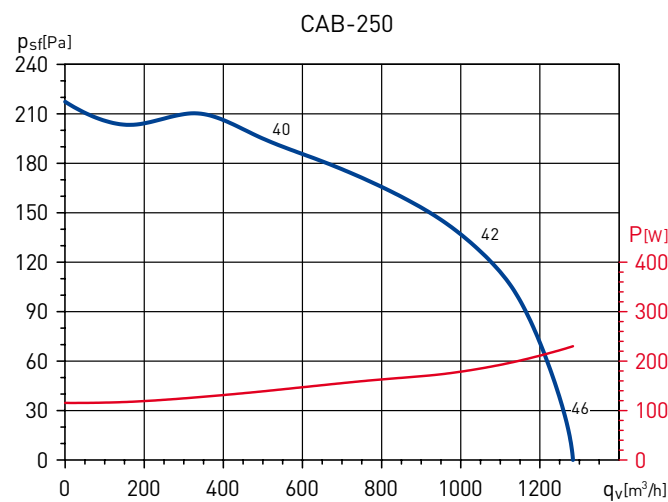
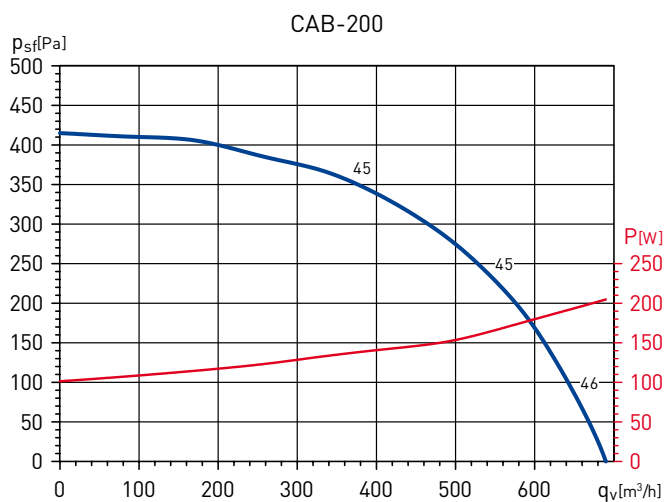
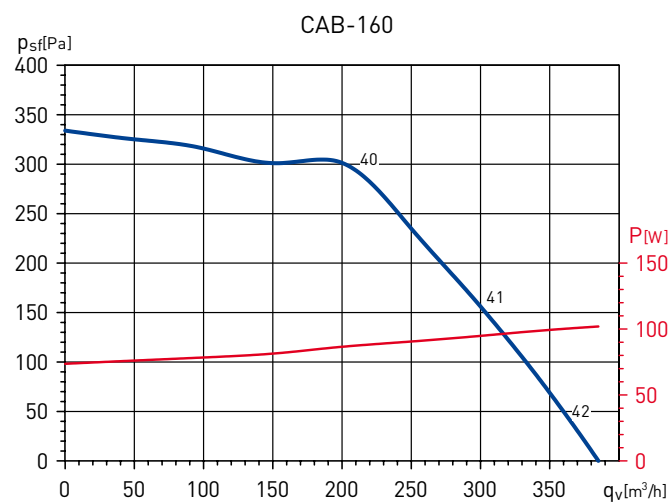
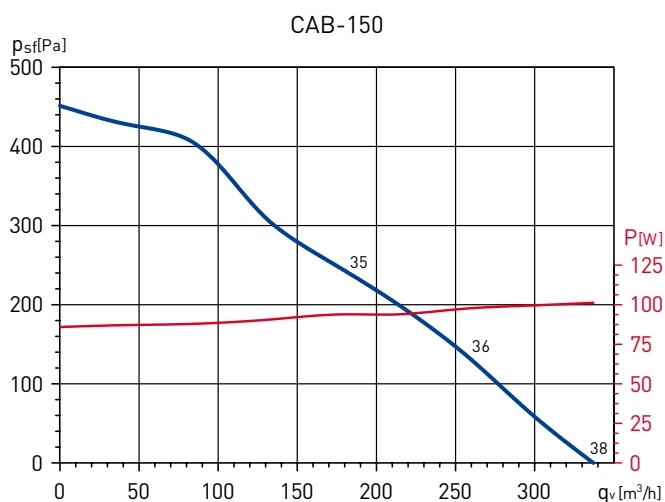
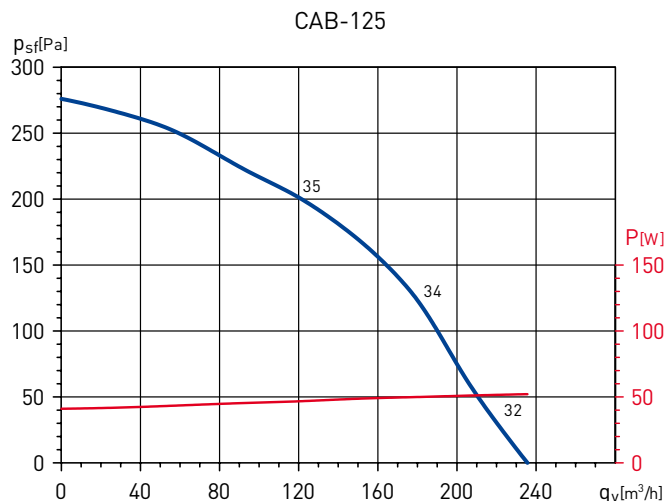
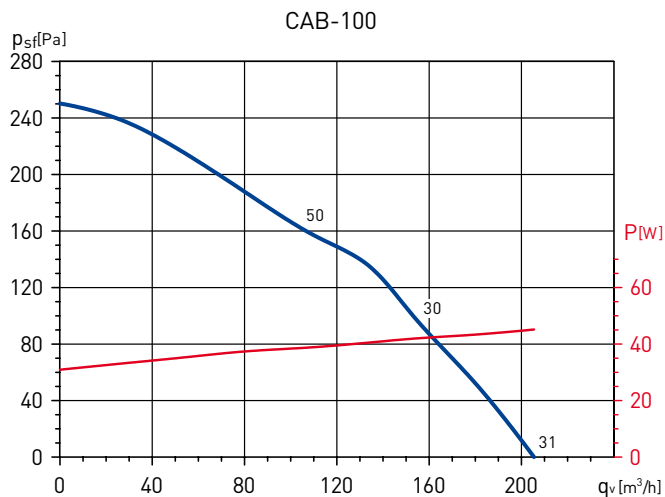
### DIMENSIONS (mm)



Model	A	B	C	Ø D	E	F	G
CAB-100	273	388	395	100	125	162	505
CAB-125	273	388	395	125	125	162	505
CAB-150	273	388	395	150	143	162	505
CAB-160	273	388	395	160	143	162	505
CAB-200	328	430	365	200	216	210	475
CAB-250	383	525	450	250	263	237	560
CAB-315	443	600	505	315	301	264	615
CAB-355	513	660	600	355	331	292	710
CAB-400	513	660	600	400	331	292	710

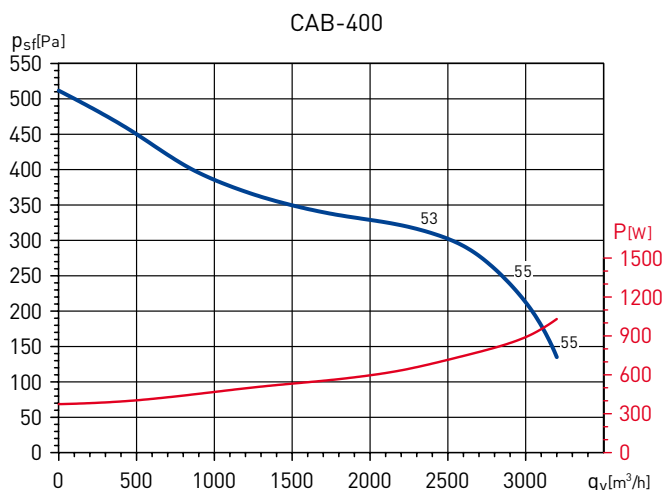
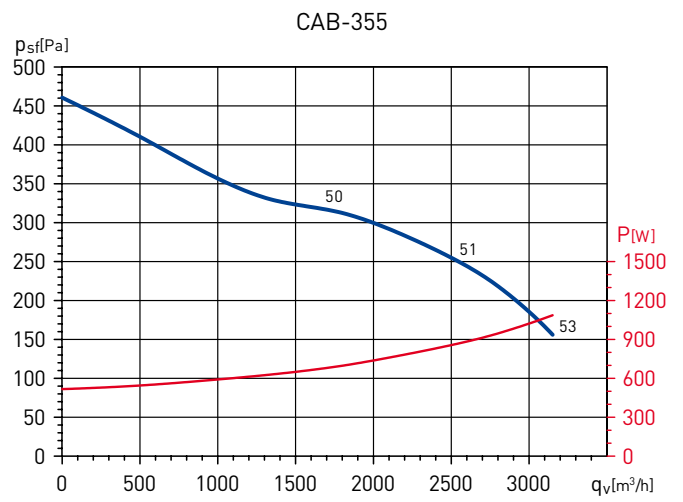
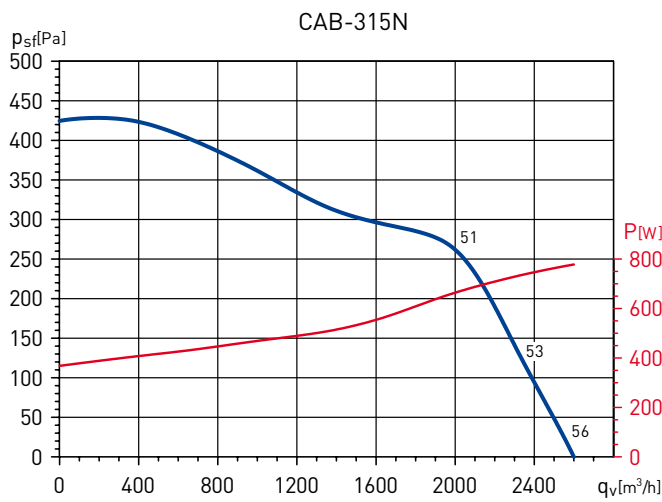
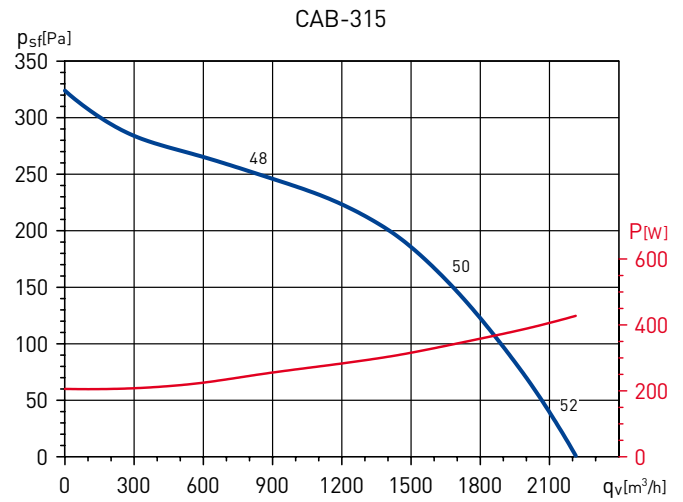
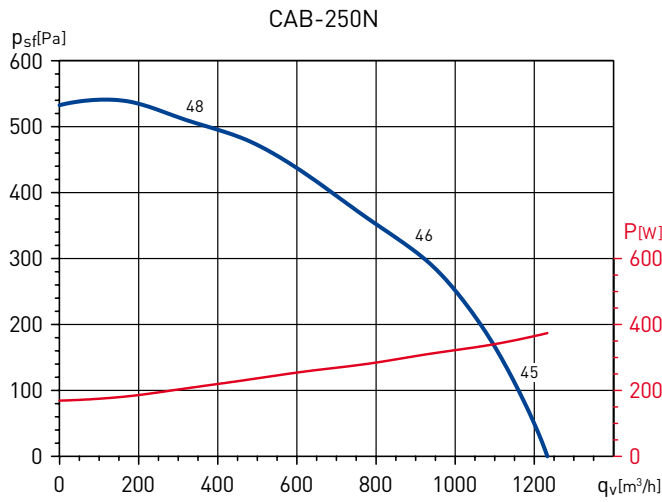
**PERFORMANCE CURVES**

- $q_v$ : Airflow in  $m^3/h$  and  $m^3/s$ .
- $p_{sf}$ : Static pressure in Pa.
- Dry air at 20°C and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.
- Sound pressure levels ( $L_p$  dB(A)) measured at inlet, at 1,5 meters distance.



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**MOUNTING ACCESSORIES**



**MBE**  
 Electric heater.



**MBW**  
 Hot water coil.



**MFL-G4**  
 Filtration boxes.



**SIL**  
 Sound attenuators.



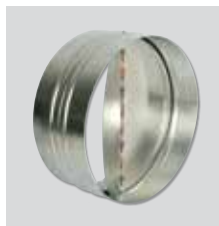
**ACOPEL F400 N**  
 Circular flexible connector.



**APC**  
 Discharge protection guards for direct connection to the inlet-outlet flange. (please see pages Mounting Accessories).



**KSE-45**  
**Flexible supports**  
 Rubber anti-vibration mounts to reduce vibration and noise transmission to the installation. (1KSE = set of 4 supports per bag).



**CAR**  
 Circular back draft shutters.

**ELECTRICAL ACCESSORIES**



**REB-1N / REB-1NE**  
**REB-2,5N / REB-2,5NE**  
 Electronic, single phase speed controllers.



**RMB-1,5**  
 Auto transformer single phase speed controllers.



**ON/OFF**  
**IP55 SWITCH**



**PULSER**  
 Single phase/three phase electric heater controller.



**TG-K330**  
 Duct temperature sensor.  
**TG-R530**  
 Room temperature sensor.



**TTC-2000**  
**TTC-2000 + TTS-1**  
 Three phase electric heater controller. The TTC-2000 needs an external temperature sensor to control the heater (TG-K330 or TG-R530).