



# Acoustic cabinet fans

## CAB Series

**CAB-250 \*230V 50/60\* VE**



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-125 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.

### + Attributes



#### Low noise level

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

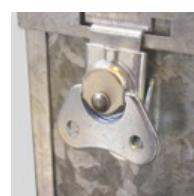


#### Cabinet air tightness

All models incorporate inlettremote terminal box and discharge circular ductTo ease installation and connection flanges with integrated rubber air seal. connection to external controls.



#### IP55



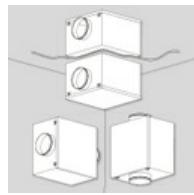
#### Easy maintenance

"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.

## **+** Acoustic characteristics

Hz	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	49	56	54	52	51	51	46	41	61
Inlet LpA @ 1.5m	34	41	39	37	36	36	31	26	46
Outlet (LwA)	50	59	61	68	72	70	66	62	76
Outlet LpA @ 1.5m	35	44	46	53	57	55	51	47	61
Breakout (LwA)	44	52	45	42	43	40	36	33	54
Breakout LpA @ 1.5m	29	37	30	27	28	25	21	18	40

## **+** Technical characteristics

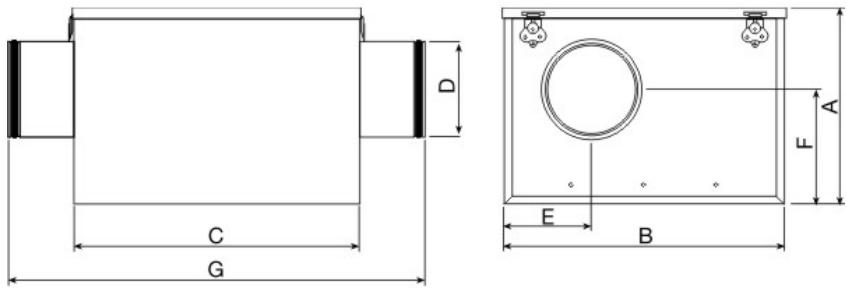
### CONSTRUCTION

Diameter 250 mm  
Fan size 180/180  
Weight 27.00 kg

### MOTOR CHARACTERISTICS

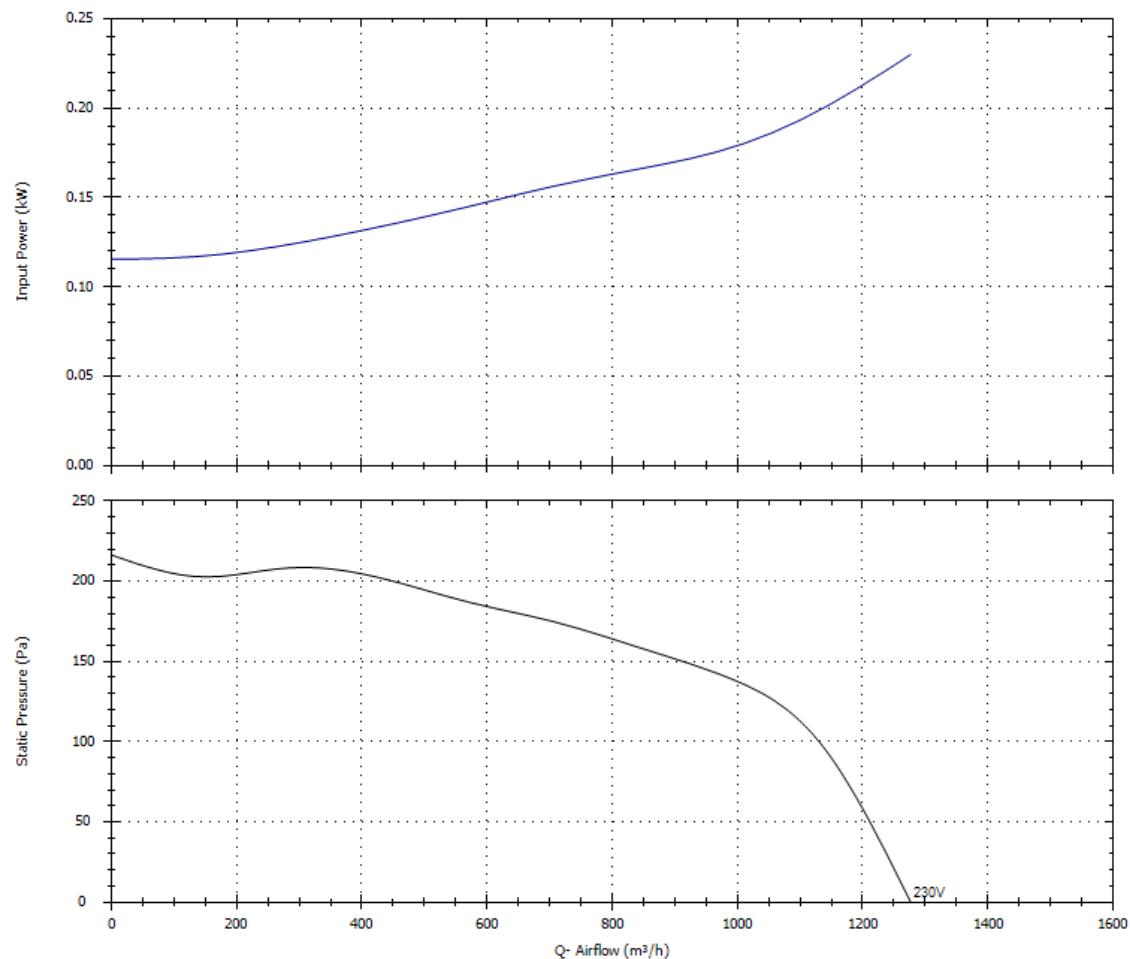
Number of poles 4  
Motor Power-  
Voltage 1-230V-50Hz  
Maximum absorbed current 1.0 A  
IP Rating IP44  
Motor insulation class B

## Dimensions



<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
383	525	450	250	263	237	560

## + Curves



## + Mounting Accessories



**MBE**  
Electric heater.



**MBW**  
Hot water coil.



**MFL-64**  
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-K300 or  
TG-R530).