



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.



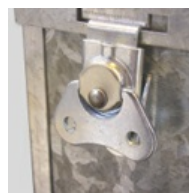
Cabinet air tightness

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



IP55

To ease installation and connection to external controls.



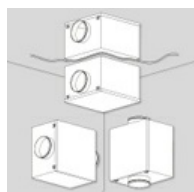
Easy maintenance

"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.

+ 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

11

+ Technical characteristics

CONSTRUCTION

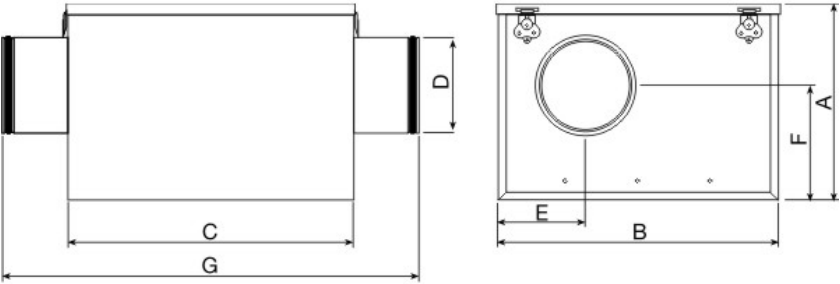
Diameter250 mm
Fan size180/180
Weight27.00 kg

MOTOR CHARACTERISTICS

Number of poles4
Motor Power-
Voltage1-230V-50Hz
Maximum absorbed current1.0 A
IP RatingIP44
Motor insulation classB

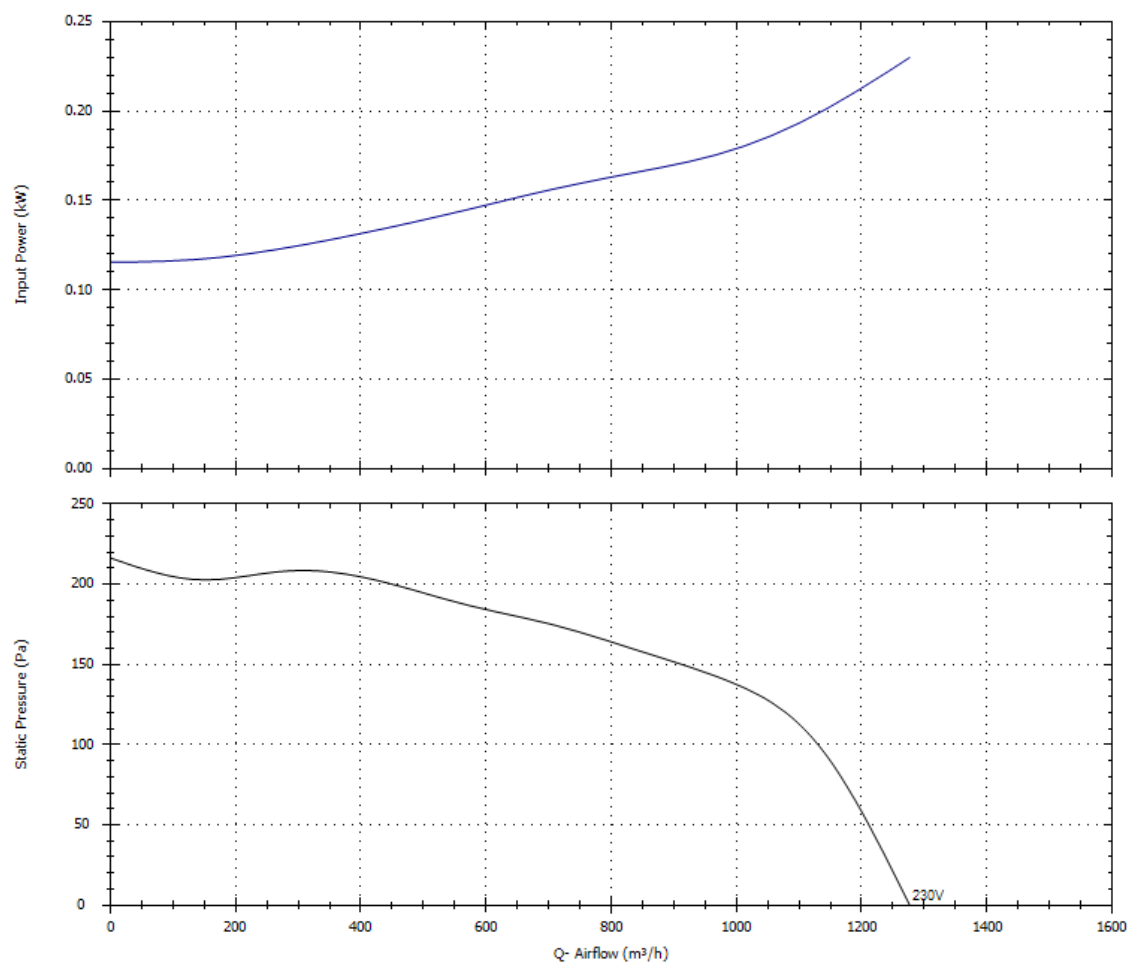
11

+ Dimensions



A	B	C	D	E	F	G
383	525	450	250	263	237	560

+ Curves



+ 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-K300 or
TG-R530).