Low profile acoustic cabinet fans

CAB ECOWATT Series

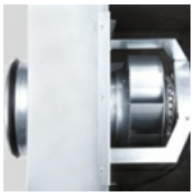
CAB-200 ECOWATT 230V50/60HZ VE

Low profile acoustic cabinet fans, manufactured from galvanised sheet steel and internally lined with 50mm thickness of fireproof acoustic insulation (M0), with sound-absorbent insulation at the inlet.
All models incorporate inlet and discharge circular duct connection flanges with integrated rubber air seal. Direct drive backward curved centrifugal fan.
Brushless EC motor, IP44, with thermal overload protection, suitable for single phase supply 230V +/- 15%- 50/60Hz.
Fan supply with external ON-OFF electrical isolation switch, and potentiometer to adjust the fan speed.
Also possible to control the fan speed with external potentiometer type REB-ECOWATT or analogue input signal 0-10V.
This cabinet fan has been designed for indoor use, with inlet air temperatures between -20°C up to +40°C and suitable for mounting in any orientation.

+ Attributes

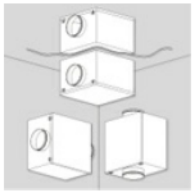
ON-OFF electrical isolation switch
External potentiometer to adjust the fan speed from 10 to 100%.

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



Direct drive backward centrifugal impeller

Sound-absorbent insulation at the inlet



Installation in any orientation
Possibility to be installed upright, horizontal or inverted.

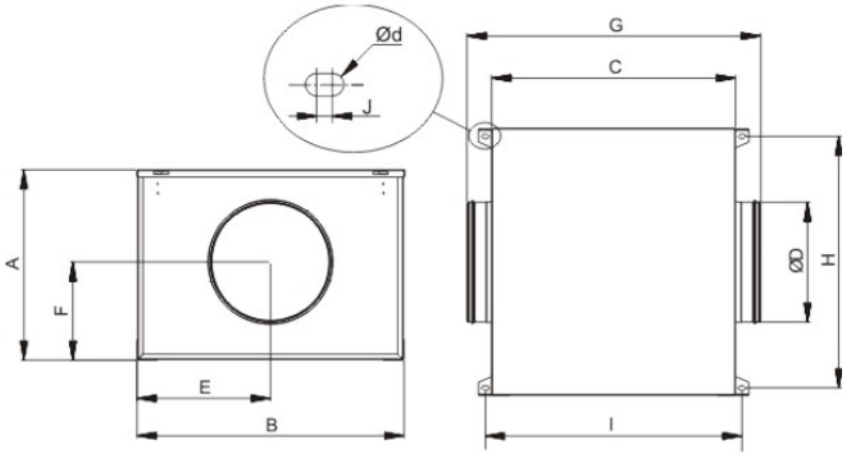
+ Acoustic characteristics

Hz	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	47	50	56	62	64	58	59	58	68
Inlet LpA @ 1.5m	32	35	41	47	49	43	44	43	54
Outlet (LwA)	51	55	54	55	58	57	53	47	64
Outlet LpA @ 1.5m	36	40	39	40	43	42	38	32	49
Breakout (LwA)	51	43	46	44	44	43	45	39	55
Breakout LpA @ 1.5m	36	28	31	29	29	28	30	24	40

+ Technical characteristics

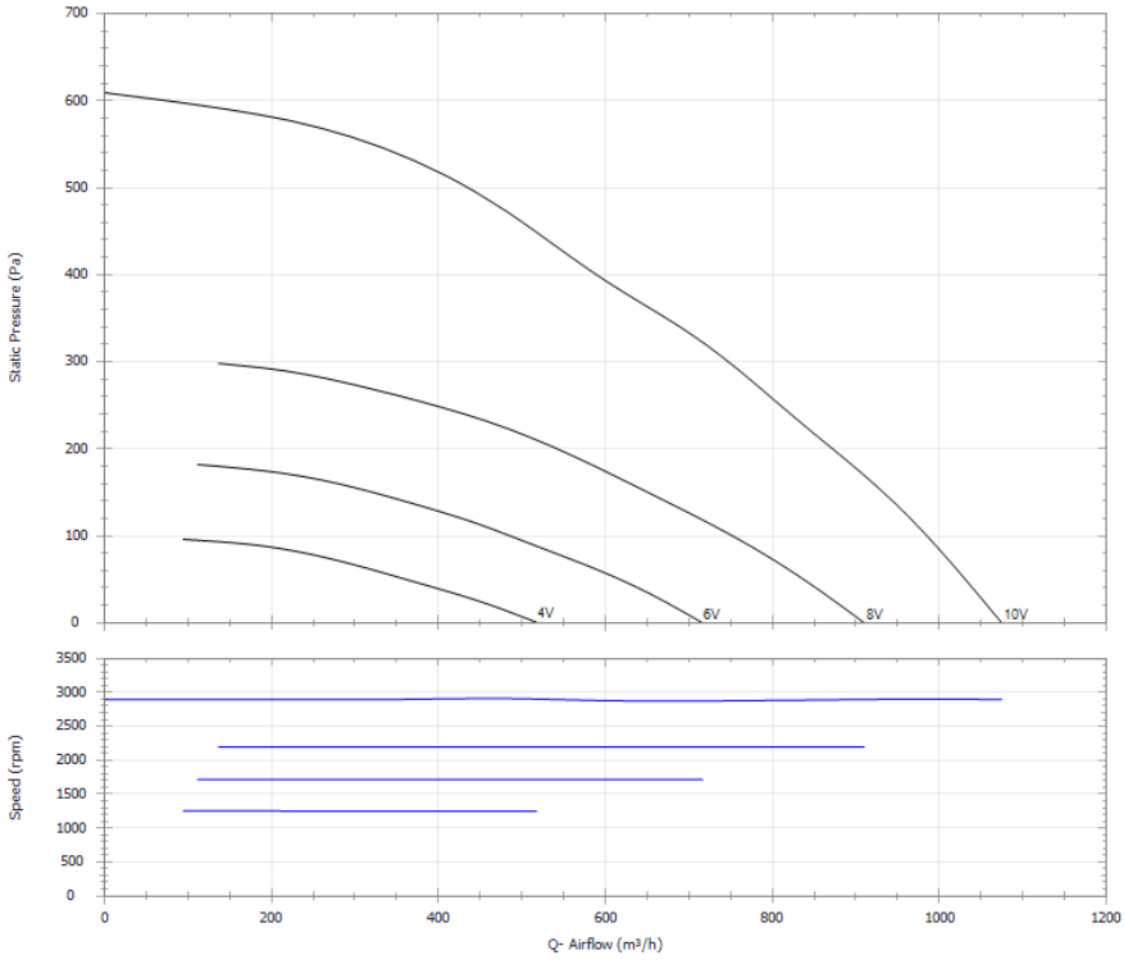
Unfortunately an error occured.

+ Dimensions



A	B	C	D	E	F	G	H	I	J	d
375	510	468	200	255	193	570	479	494	6.5	4.5

+ Curves



+ Mounting Accessories

MBE
Electric heater batteries.

MFL-G4
Filtration boxes.

ACOPEL F400
Circular flexible connector.

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.

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

+ Electrical Accessories

CONTROL ECOWATT AC/4A
Control element for demand controlled ventilation systems.

REB-ECOWATT
Speed controller for fans fitted with EC motor.

SCO2-A
CO_2 and temperature sensor.
SCO2-AD
CO_2 and temperature sensor, with display.
SCHT-AD
CO_2 sensor, temperature and relative humidity with display.

TDP-S / TDP-D
Presure sensor.

CPFL-S / CPFL-E
Presence detector.

REMP
Motorised dampers.