

CBOX SERIES

Compact control unit for deodorization



Product

CBOX

Application

Civil and industrial applications

Construction

Structure and profiles: aluminium

Panels: double sound-absorbing paneling th. 25 mm

FEATURES

The CBOX unit is a compact ventilation unit for the extraction and filtration of lightly dusty and odour absorption in low concentrations.

It consists of a single compact module containing:

- a forward curved blade fan with direct drive motor, equipped with coupling and rubber anti-vibration mounts.
- a pre-filter F12 efficiency G4 (ISO coarse 75%).
- an activated carbon filter F19C (CTC 45%) 160 mm cartridges.

FAN

Centrifugal fan with forward curved blades, double inlet with direct drive motor, made of galvanized steel.

MOTOR

Enclosed motor with class F ball bearings, in single-phase 230 V/50 Hz 4-pole version.

APPLICATIONS



HOSPITALS



LARGE SPACES



CANTEENS



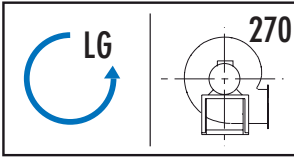
RESTAURANTS



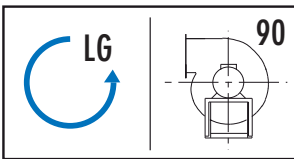
FAST FOOD



ORIENTATIONS



CBOX 15 Available only in LG 270 version.



CBOX 25 Available only in LG 90 version.

TECHNICAL FEATURES - OPERATING RANGE

Operating range	Flow rate (m ³ /h)	From 1,500 to 2,500
	Pressure (Pa)	Up to 150
Min. outlet	mm	300 x 263
Max. outlet	mm	326 x 292
Motor	Volt (±10%)	230 V
	Poles	4
	IP	54
Fluid temp min. limit	°C	-20
Fluid max. temp limit	°C	60

CABINET TECHNICAL FEATURES

The thermal and acoustic containment walls in CBOX units are composed of sandwich panels, having a thickness of 25 mm, consisting of an insulating component in expanded polyurethane coated on one side with galvanized sheet metal and from the top

with pre-painted sheet metal, grey colour RAL 7032. It has a density of 47 kg/m³.

The insulating component is expanded using water, therefore the foam contains neither CFC nor HCFC.

Thanks to the high number of closed cells, exceeding 95%, the panel foam presents a thermal conductivity thermal conductivity, measured according to UNI 7891 standard, of 0.0247 W/(m K) at a temperature of 10 °C. Regarding the

sound insulation power, according to ISO 140/10 standard, is equal to Rw=40 dB.

The panel can be used in a temperature range between -40 °C and +80 °C in continuous operation and without substantial changes in thermal insulation properties.

Structure made with extruded aluminium profiles connected by ABS corner joints.

Inspection door panel equipped with sealed closures, panel opposite the inspection and opposite the discharge removable by means of screws.

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QUICK SELECTION TABLE

Model	Fan	Power	Speed	Total static pressure	Flow rate	Filter F12		
						Quantity	Dimensions	Efficiency
	CBD	kW	RPM	Pa	m ³ /h	N.	mm	
CBOX 15	9/9	0,55	1310	370	1500	1	287x592x48	64
CBOX 25	10/10	0,55	1310	400	2500	1	592x592x48	(ISO coarse 75%)

DIMENSIONS

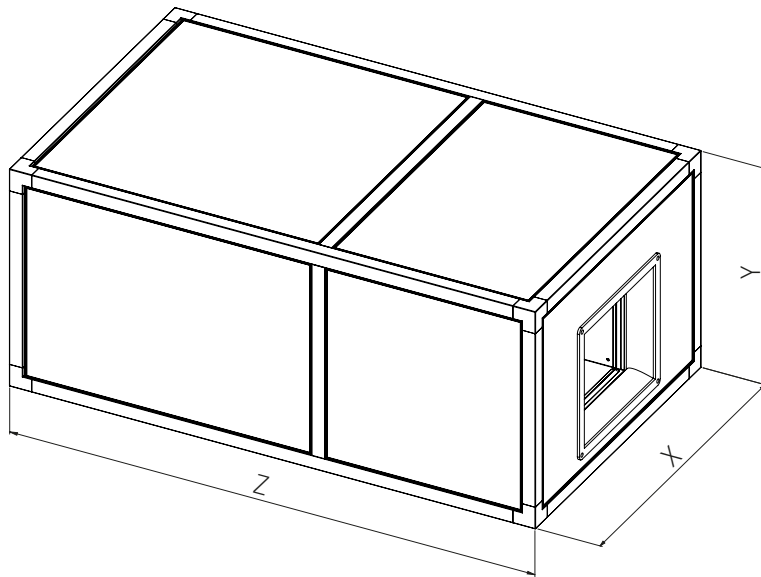
Model	Fan CBD	Dimensions (mm)					
		X	Y	Z	Supply outlet B1xB2	C	A
CBOX 15	9/9	700	500	1170	300 x 263	60	177
CBOX 25	10/10	700	700	1170	326 x 292	245	163



Ventilation

Comfort and performance
at maximum efficiency
energy

Pressure drop average / recommended final Pa	Cartridges N.	Efficiency	F19 C Filter		Average pressure drop Pa	Pressure drop total medium Pa	Pressure drop total final Pa
			Dimensions cartridges Ø mm				
125 / 200	5 9	CTC 45%	160 x 400		180	305	380



ACCESSORIES



Exhaust connector
with protection mesh



Support feet



Speed controller
single-phase



Differential pressure switch

All images are only indicative of the product type and may differ from the actual article.