

BD-CAR

ACTIVE CARBON FILTERING UNITS

FIELD OF APPLICATION

BD-CAR units represent the ideal solution for filtering and air deodorization.

This line is destined for both civilian, commercial (restaurants, bar) and industrial environments.

Filtering obtained by mean of a series of suitable filters and silent operation is guaranteed by the double skin paneling and acoustic lining.

SERIES

Range consists of 7 models from 1.500 up to 12.000 m³/h.

ARRANGEMENT

The main characteristics of this line are: strong construction, inside lining, variable pulley motor side, fan with supporting frame, flexible joint between fan and cabinet, motor always placed on basement arrangement 12.

ARRANGEMENT

- Manufactured with frame in aluminium profile with stuff in galvanized steel sheet panels type sandwich thickness 25 mm (1").
- Inside lining in expanded polyurethane .
- DIDW forward curved blade fan, belt coupled to the motor by mean of trapezoidal belts and pulleys. Variable pulley motor side.
- These units are supplied complete with pre-filter (class G3) and soft pocket filter (class F7) housed on suitable frame to facilitate maintenance. Carbon active cartridges are also supplied already assembled.
- Asynchronous electric motor three phase, protection IP 55, class F insulated, service S1, form B3, construction according to IEC/ EEC (UNEL-MEC) standards.

TECHNICAL DETAILS

- Conveyed air : clean , not abrasive .
- Temperature of the conveyed air:-20°C / +50°C.
- Voltage and frequency :
three-phase version (T) 400 - 415V - 3Ph - 50Hz

OPTIONALS

- Rain protection panel TT-CAR
- Inlet setting shutter SS-CAR
- Outlet with grid OG-CAR
- Stainless steel or aluminium panelling
- With metallic pre-filter for kitchen hoods.



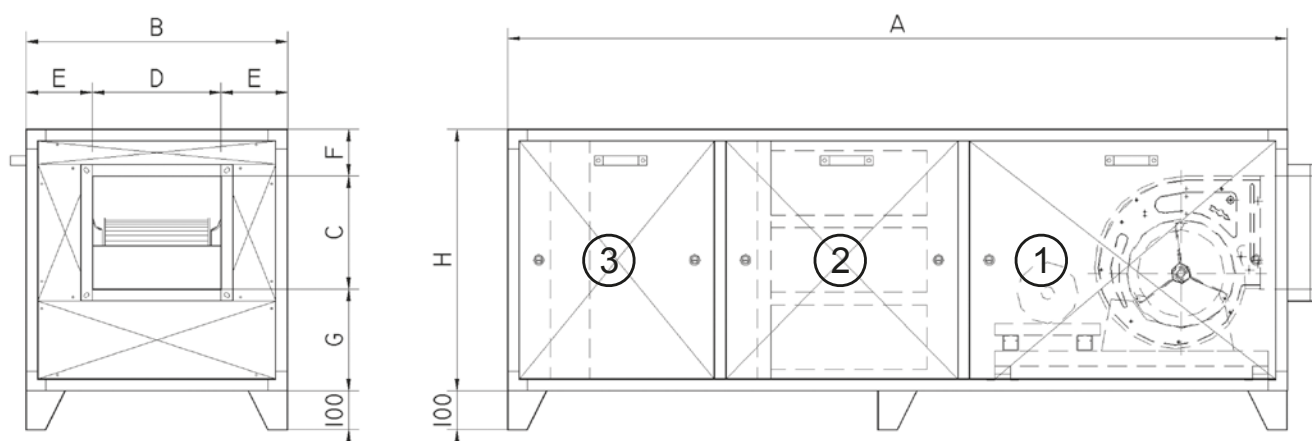
BD-CAR Performances

Model	Flow rate (m ³ /h)	Ps (Pa)	Pm (kW)	In max (A)	Carbon (kg)	Lp dB(A)
BD-CAR 15	1.500	200	0,75	1,8	14	64
BD-CAR 30	3.000	200	1,1	2,7	25	65
BD-CAR 45	4.500	200	1,5	3,7	40	66
BD-CAR 60	6.000	250	2,2	4,9	50	67
BD-CAR 75	7.500	250	3	6,5	62	68
BD-CAR 90	9.000	200	3	6,5	85	70
BD-CAR 120	12.000	200	4	8,1	100	72

Attention: the sound pressure level is measured in free field at 1,5 m from the fan, in any direction, with ducted outlet.

Tolerances: performances and sound power levels within the tolerances allowed by the DIN 24166 standard for Class 2.

* Only for non-Europeans market! *Only for air changes in environments NOT solely occupied by persons (for example: professional kitchens, industrial and agricultural applications, machinery ventilation, OEM, data centers,...)



Standard discharge Dxb

- 1) Fan and motor see spare parts model CAB-BC
- 2) Carbon active cartridges
- 3) Pre-filter class G3 and soft pocket filter class F7

BD-CAR Dimensions

Model	A	B	H	C	D	E	F	G	Kg
BD-CAR 15	2000	670	670	220	230	220	230	220	140
BD-CAR 30	2000	670	670	290	330	170	120	260	155
BD-CAR 45	2100	1080	750	340	400	340	110	300	200
BD-CAR 60	2275	1280	800	400	470	405	80	320	290
BD-CAR 75	2275	1680	800	400	470	605	80	320	330
BD-CAR 90	2440	1280	1080	480	560	360	230	370	360
BD-CAR 120	2440	1280	1280	480	560	360	430	370	420

Dimensions in mm