



Cabinet Fans – CF-BOX Series

CF-BOX Series are designed to provide ventilation solutions for ducted systems with high system resistance. All models incorporate with direct driven backward curved centrifugal fans.

Sizes	350 up to 630
Motor	IP55, 230/1/50 or 400/3/50
Capacity	up to 15.500 m ³ /h
Pressure	up to 1150 Pa
Control	Frequency converter
Casing	Steel galvanized panels with aluminum panels Double panels (25 or 50 mm) possible



APPLICATION

The fan is intended for all types of general ventilation installations. Typical uses are: ventilation of industrial kitchens, Restaurant ventilation of flats, offices, ventilation of shops, bars, cafes, ventilation of school rooms, sound studios, libraries.

CONSTRUCTION

CF-Box ventilators are duct type ventilators used in kitchens, restaurants, bars and canteens due to their specific construction. Isolation of electric motor area from the rotor area enables using the CF-BOX ventilator in extreme conditions with humidity 95% RH and temperature range ÷ -15°C up to +120°C. The CF-BOX ventilator casing is made of aluminum profile construction covered with 18mm sandwich panels. The panels are made of 0.5mm galvanized sheets filled with a polyurethane core. Aluminum rotors have blades bent towards the back. All motors driving the ventilator are fitted

with a thermal cut-off device protecting the winding from overload. The performance of the ventilators is regulated by voltage regulator or by a frequency converter (for three-phase motors).

MOTOR

Single-phase motors 230 V, 50 Hz,
three-phase motor 230 / 400V, 50Hz
degree of protection IP55, insulation class F, efficiency IE3.
for voltage regulation (single-phase motors),
for frequency control (three-phase motors),
thermal winding overload protection.
Motor of other specifications are available upon request

Accessories

Protection grid / Rain cover / Mounting feet / Flexible connections / Anti-vibration mounts / Filter section / Switches / Frequency converters.



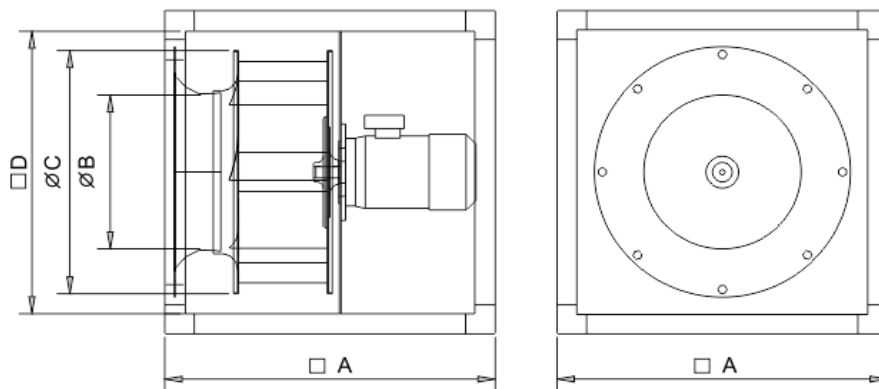


4 poles (1.500 rpm.) – 230/1/50

Model	Capacity max. (m3/h)	100 Pa m3/h	200 Pa m3/h	400 Pa m3/h	Pressure max. (Pa stat.)	Motor (kW)	In max. (A)
350	3.100	2.350	1.800	-	375	0,25	1,7
400	4.350	3.900	3.350	1.900	480	0,55	3,8
450	5500	4.900	4.100	2.200	510	0,75	5,0
500	7500	7.000	6.200	4.850	680	1,1	7,0

4 poles (1.500 rpm.) – 400/3/50

Model	Capacity max. (m3/h)	100 Pa m3/h	200 Pa m3/h	400 Pa m3/h	Pressure max. (Pa stat.)	Motor (kW)	In max. (A)
350 T	3.100	2.700	2.150	-	380	0,25	0,85
400 T	4.350	3.900	3.350	1.900	480	0,55	1,70
450 T	5.500	4.250	3.800	2.300	520	0,75	2,0
500 T	8.500	8.000	7.400	4.900	700	1,5	4,3
560 T	12000	11.500	11.000	9.500	850	2,2	4,8
630 T	15500	15.000	14.250	13.000	1150	4,0	8,3



M-BOX	A	B	C	D
400	690	248	404	590
450	690	277	455	590
500	690	310	504	590
560	820	348	570	720
630	820	400	635	720



