



### Cabinet Fans – IN-BOX Series

IN-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.

<b>Sizes</b>	350 up to 630
<b>Motor</b>	IP55, 230/1/50 or 400/3/50
<b>Capacity</b>	up to 15.500 m <sup>3</sup> /h
<b>Pressure</b>	up to 1150 Pa
<b>Control</b>	Frequency converter
<b>Casing</b>	Steel galvanized panels with aluminum panels
<b>Extra</b>	Standard with single panels. Double panels (25 or 50 mm) possible Operating Temperature -40°C to +60°C.



### APPLICATION

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

### CONSTRUCTION

In-Box ventilators are intended for general ventilation in rooms occupied by people. Operating environment is air of humidity not exceeding 70%RH within temperature range ÷ -15°C up to +60°C. the M-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, for voltage regulation (single-phase motors), for frequency control (three-phase motors), thermal winding overload protection.

### Accessories

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



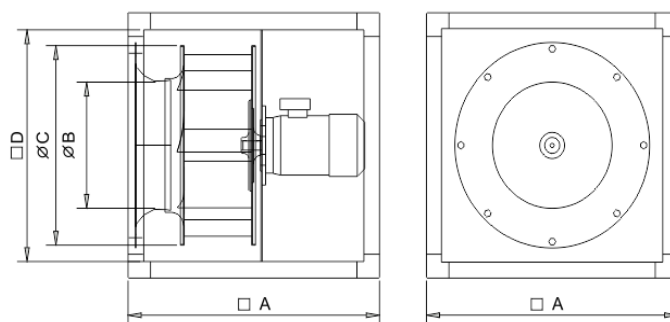


### 4 poles (1.500 rpm.) – 230/1/50

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
355	520	219	365	420
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



