

Application

The FLOWBOX EC are versatile, high-efficiency units designed for various ventilation systems. They are suitable for medium to high air volumes and can handle high resistances in HVAC systems. Their compact design and multiple configurations make them ideal for industrial, commercial, and residential applications.

Construction

Casing

Anodized aluminium profile structure. PVC reinforced corner. Removable 25mm panels in Magnelis treatment (Corrosivity class C5) with 25 mm thermal and acoustic non-flammable mineral wool lining. Designed for straight-through airflow but can be rebuilt due to removable panels for 90° air discharge. External wiring box (IP54) with built-in potentiometer for plug-and-play speed control. No need to open the housing – simplifies installation and increases safety.

Fan

Backward plug fan.

Statically and dynamically balanced according to DIN ISO 1940 T.1 – grade 6.3.

Motorisation

Single-phase 230 V- 50/60 Hz or Three-phase 400 V-50/60 Hz EC motor (Depending on the model).

Equipped with the overheated protection function, cut off temperature is between 150 –160°C and reset temperature is between 90–120 °C.

Variable Airflow rate 0-10 V.

Compliance

The FLOWBOX EC are compliant with the following standards and regulations:

- CE Marking;
- ErP 2015;

These certifications ensure high energy efficiency and safety in accordance with European directives.

Installation

Any installation position and flexible installation due to five possible outlet directions of the outlet fitting. Removable side panels allow inspection access from all sides.

Robust Protection

Strong construction provides long life and helps minimize onsite installation damage..

Flexible Solution

Ideal for either internal or external applications.

Ease of Access

A panel provides quick and easy access reducing maintenance costs.

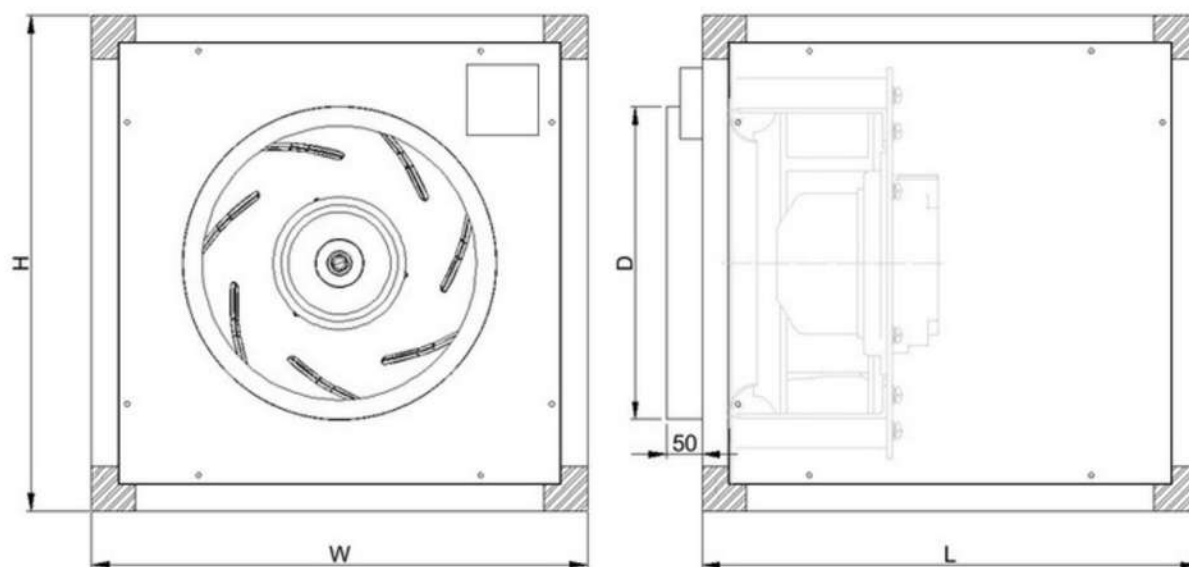
Warranty

2-year warranty.

Packaging

Sold individually and delivered in individual cardboard packaging or on a pallet.

Dimensions



TYPE	W [mm]	H [mm]	L [mm]	Ø D [mm]	Weight (Kg)
FLOWBOX EC 175	460	460	460	175	18
FLOWBOX EC 225	460	460	460	225	19
FLOWBOX EC 280	460	460	460	280	24
FLOWBOX EC 355	560	560	560	355	31
FLOWBOX EC 400LP	660	660	660	400	48
FLOWBOX EC 400	660	660	660	400	41
FLOWBOX EC 450	760	760	760	450	69
FLOWBOX EC 500	760	760	760	500	63
FLOWBOX EC 560	860	860	860	560	85
FLOWBOX EC 560HP	860	860	860	560	105

Technical specifications

Type	Air FLOWBOX vol. m³/h [0 Pa]	Rated Speed [Rpm]	Rated Voltage [V]	Motor Power [W]	Current [A]	Frequency [Hz]	Min/Max Amb. Temp. [°C]
FLOWBOX EC 175	867	4500	1-230	100	0,78	50/60	-20~+60
FLOWBOX EC 225	1349	2850	1-230	118	1	50/60	-20~+60
FLOWBOX EC 280	2092	2300	1-230	182	1,4	50/60	-20~+60
FLOWBOX EC 355	3600	2100	1-230	440	1,9	50/60	-20~+60
FLOWBOX EC 400LP	5100	1390	1-230	570	2,5	50/60	-25~+50
FLOWBOX EC 400	6100	1900	3-400	880	1,5	50/60	-25~+50
FLOWBOX EC 450	10600	2150	3-400	2950	4,5	50/60	-25~+50
FLOWBOX EC 500	8500	1250	3-400	750	1,25	50/60	-20~+60
FLOWBOX EC 560	15100	1610	3-400	3200	4,9	50/60	-25~+50
FLOWBOX EC 560HP	19500	1750	3-400	5150	8,1	50/60	-25~+50

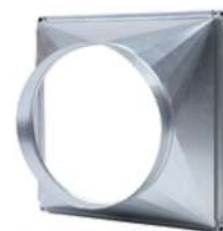
Ancillaries



Discharge circular panel



Weatherproof Roof Protection



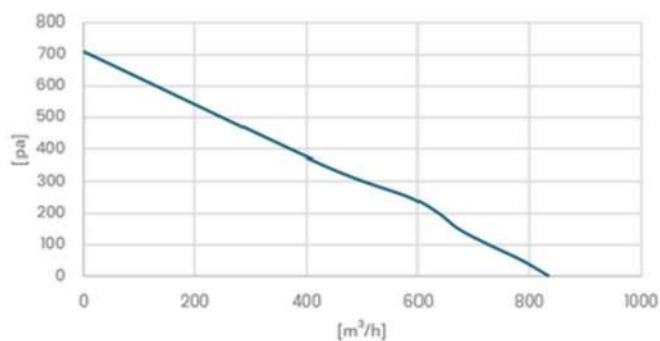
Discharge Square to Round



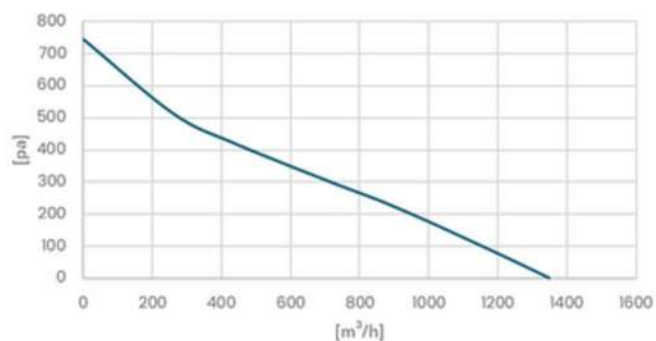
Switch

Technical specifications

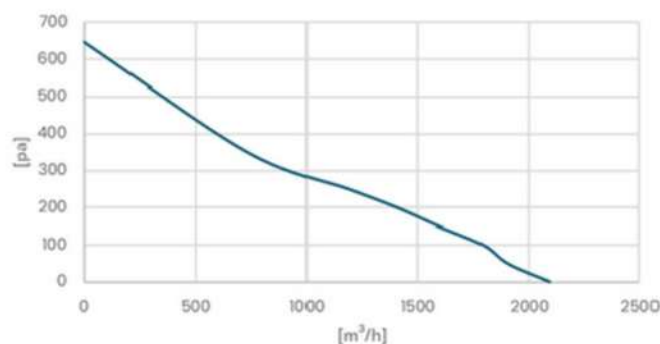
FLOWBOX EC 175



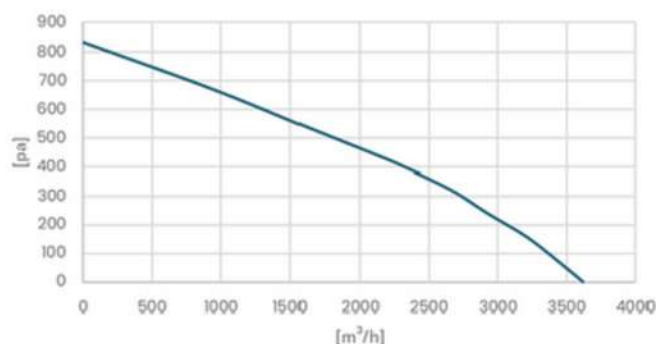
FLOWBOX EC 225



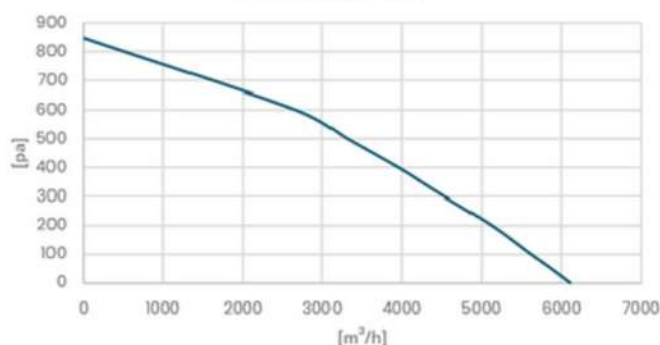
FLOWBOX EC 280



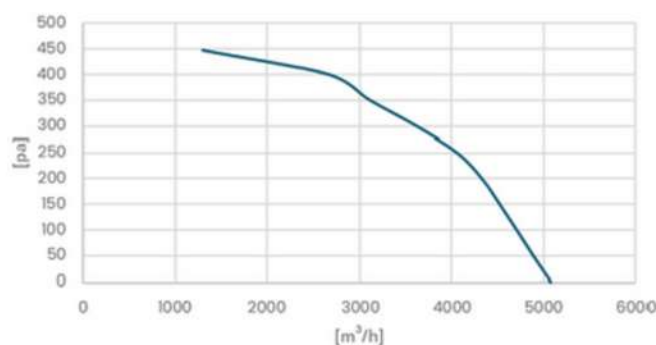
FLOWBOX EC 355



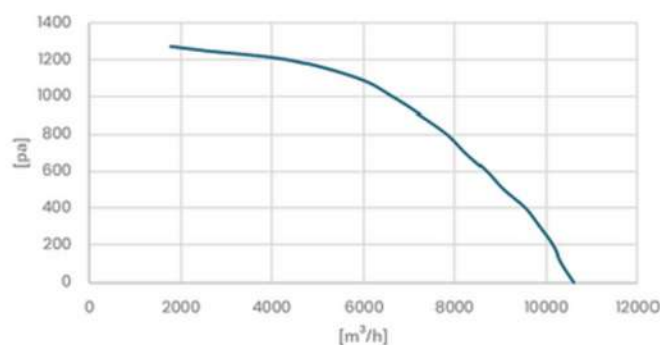
FLOWBOX EC 400



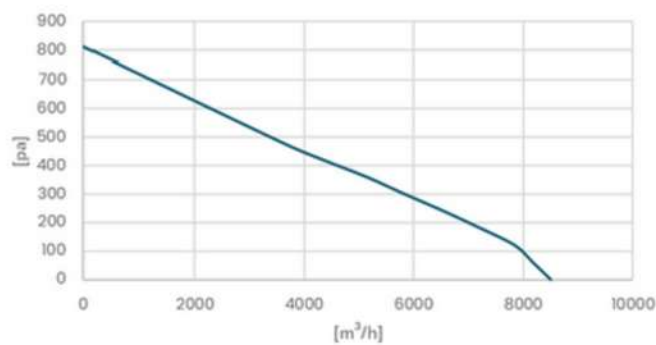
FLOWBOX EC 400LP



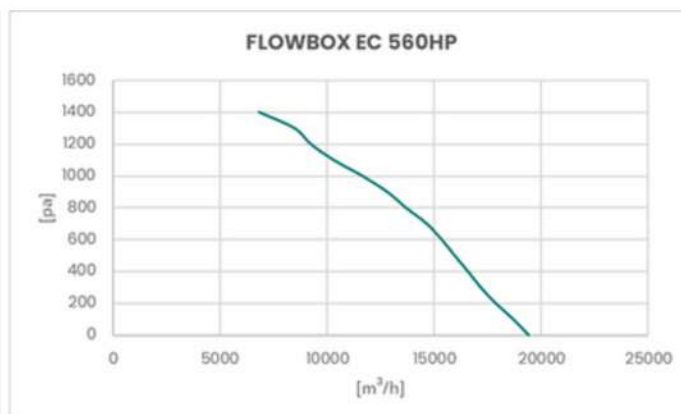
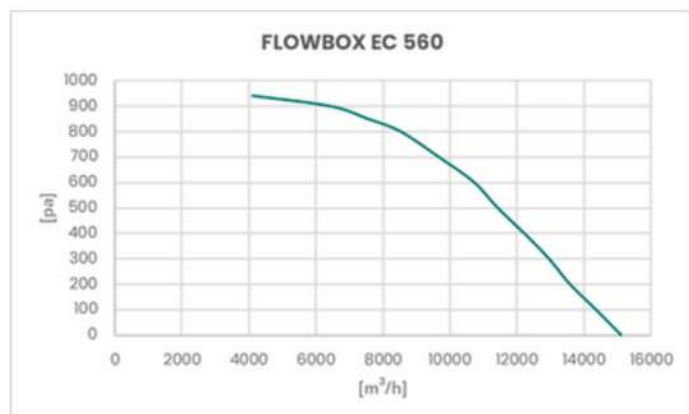
FLOWBOX EC 450



FLOWBOX EC 500



Technical specifications



AIRWIDE

AIR QUALITY SYSTEMS

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