

*airtècnics*

# *VariAirbox<sup>®</sup>*

*Ventilation units  
with variable airflow*



**ENERGY SAVING  
TECHNOLOGIES**



*airtèc*

# VariAirbox® Ventilation Units

## General Description

A complete range of ventilation units of variable air-flow volume, equipped with centrifugal fans with external rotor motor, designed to satisfy the most demanding up-to date installations. It is Very silent, solid, versatile and easy to mount.

Air flow control integrated with two regulation possibilities, manual and by centralized digital device.

## Characteristics

Centrifugal double inlet fans and variable air flow, equipped with external rotor motor protected through thermal contact.



Radial impellers of high performance balanced statically and dynamically, type 2, 5 according to DIN/ISO 1940. Extremely silent and vibrations free.

The speed control is obtained through an electronic selector and a 5 stage converter, integrated within the box.



Manual speed control panel of 5 stages of functional design. Connection through telephonic type connectors RJ45. Ready for digital communication to a PLC or DDC.

Casing made of extrusion aluminium profiles, ensemble by plastic corner of high resistance against impacts.



All panels can be registered and exchangeable. The use of screws of metallic metric thread (not auto-threadable) makes it easy a quick and professional service.

To make the installation easier there are available a wide range of accessories: flexible gaskets, shutters, grills, circular and rectangular hoppers,



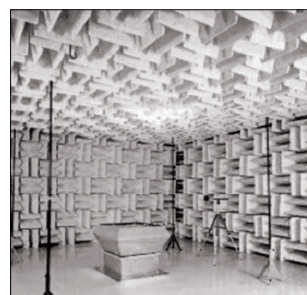
protection visors, dampers, duct silencers, electrical heating and water coils, hot or cold, filtration modules, mounting consoles and other special accessories on request.

The standard series is supplied with galvanized steel panels with the internal part coated with 25 mm of fiber glass insulation of high sound absorber capacity.



On request there can be mounted sandwich panels and acoustic panels with 50 mm insulation of high density fiber glass. The sizes of the boxes with acoustic panels can be different from the indicated in the dimensions sheet. Please consult us.

The sound levels indicated on the characteristic panels correspond to the noise level pressure in ponder "A", taken at a distance of 1 meter with the suction and discharge connected to the duct.

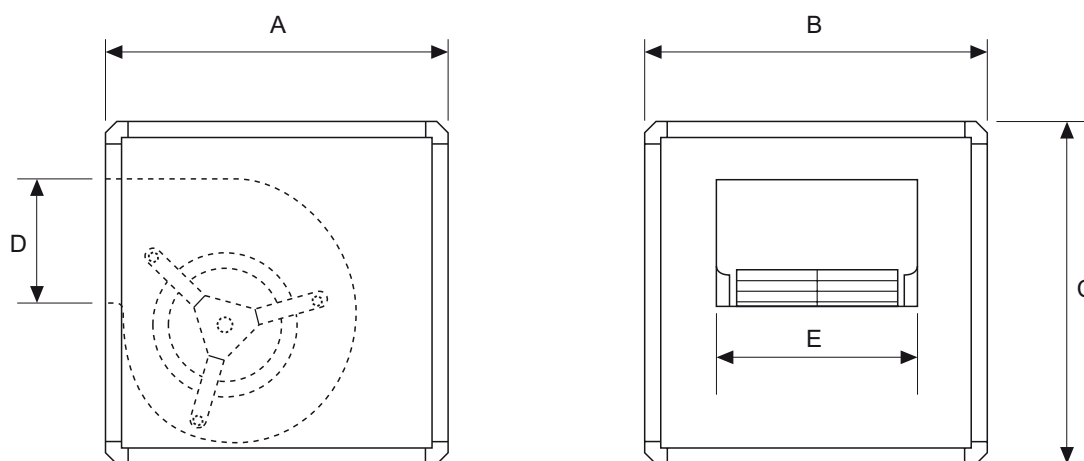


## Specifications



Model	Tension V (50 Hz)	Intensity A	Power kW	Speed rpm	Airflow m <sup>3</sup> /h	Max. Pressure ΔPa
<b>VARIAIRBOX 43-7/74</b>	1x230V	1,4	0,32	1080	1700	280
<b>VARIAIRBOX 43-7/76</b>	1x230V	0,75	0,17	760	1450	125
<b>VARIAIRBOX 43-7/94</b>	1x230V	2,6	0,57	1240	3000	260
<b>VARIAIRBOX 43-7/94K</b>	1x230V	2	0,44	1050	2700	260
<b>VARIAIRBOX 54-9/94</b>	1x230V	3,9	0,87	950	3600	360
<b>VARIAIRBOX 54-9/96</b>	1x230V	1,6	0,36	660	2600	170
<b>VARIAIRBOX 64-10/104</b>	1x230V	4,8	1,1	1050	4200	500
<b>VARIAIRBOX 64-10/106</b>	1x230V	2,8	0,6	875	4000	250
<b>VARIAIRBOX 77-12/126</b>	1x230V	5,2	1,15	820	5700	340

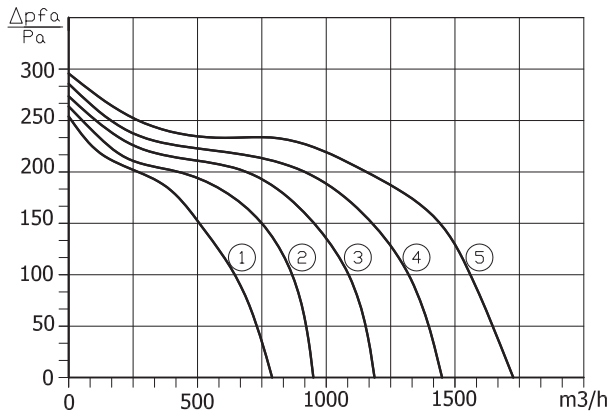
## Dimensions



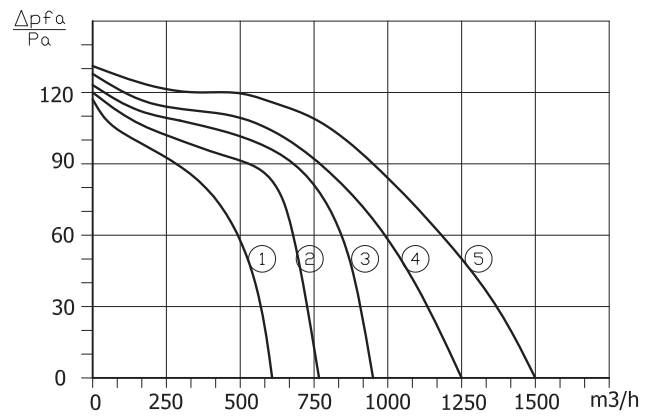
Model	A	B	C	D	E
VariAirbox 7/7	424	464	424	208	230
VariAirbox 7/9	424	464	424	208	299
VariAirbox 9/9	539	594	539	261	299
VariAirbox 10/10	634	634	634	291	330
VariAirbox 12/12	764	764	764	341	396

Performance Curves

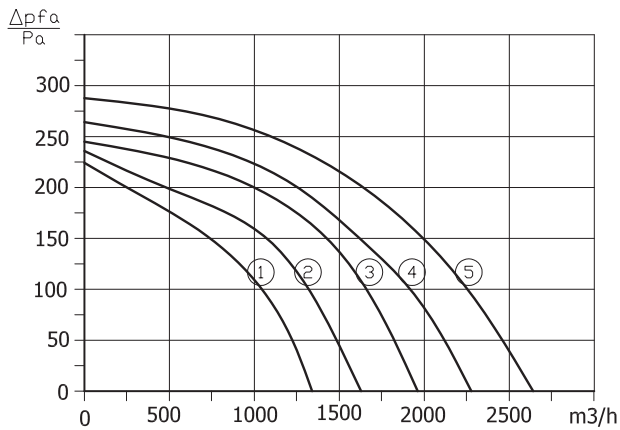
**7/7-4**



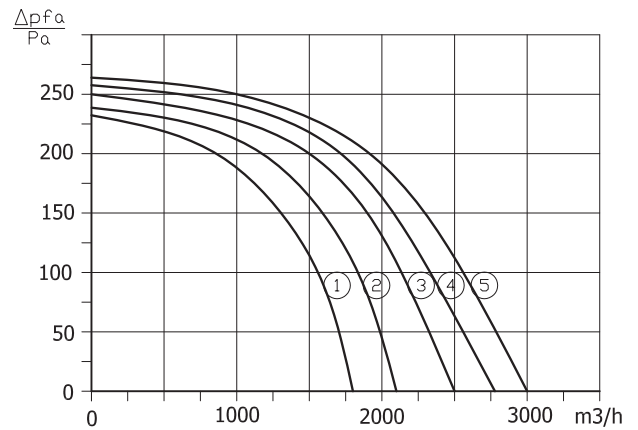
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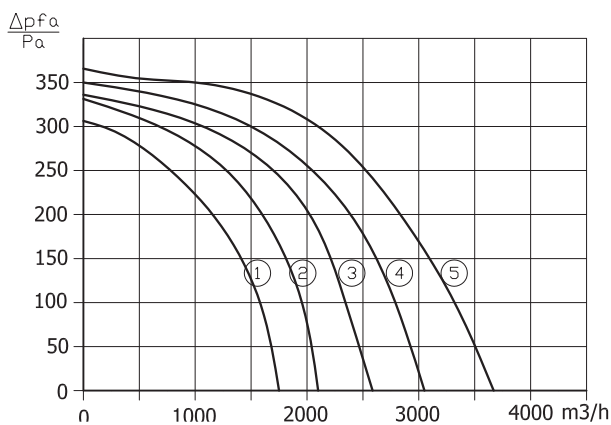
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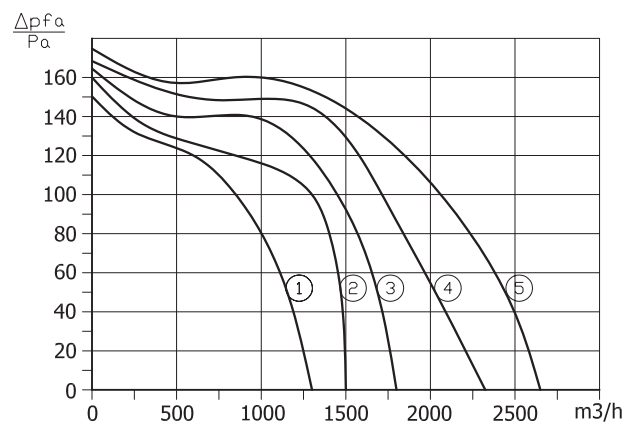
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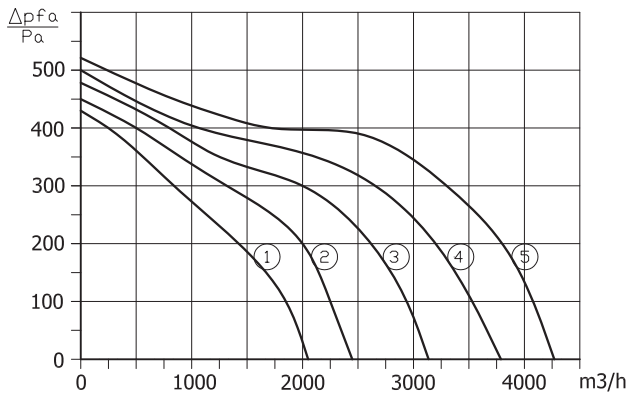
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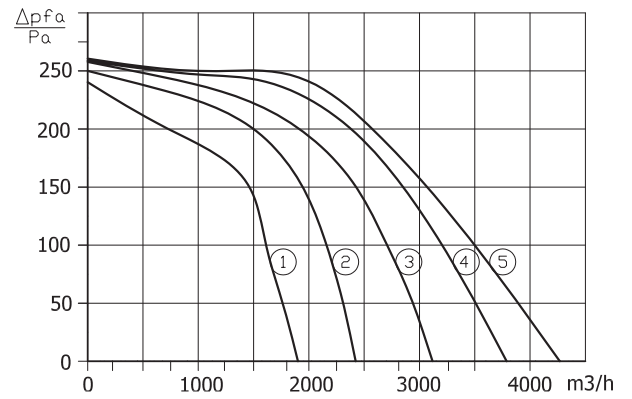
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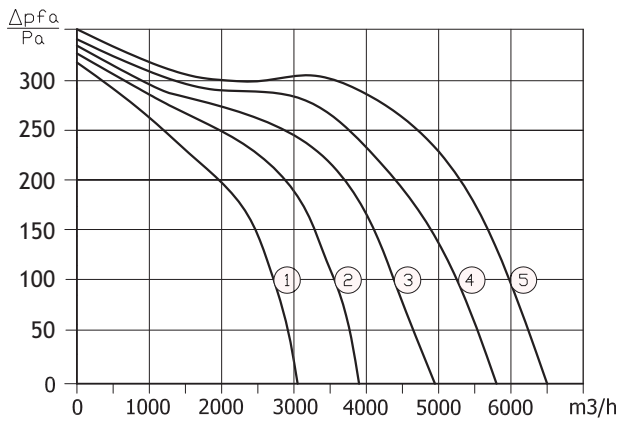
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### 10/10-6



### 12/12-6





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