




Design: F. Trabucco & Associates



VORTICE VARIO I RANGE

 Flush mounted axial fans **LONG LIFE 30.000 h**

Supply to improve the quality of air we breathe daily in any domestic or commercial environment: dwellings, shops & cafes, sports centers gyms, restaurants, public houses, offices, schools, community halls and many more...

- **6 models:** from 150 to 300 diameters, Long life, Pull cord and automatic reversible.
- Flush mounting.
- The Vortice Vario models are among the best of their category in terms of performance and low energy consumption thanks to highly efficient impellers.
- Body made of shock-resistant ABS plastic anti-UV.
- Structural components in UV resistant ABS, internal components from shock resistant PS. Le giranti in polipropilene caricato con fibre di vetro.
- Quick and easy to install.
- Extremely low noise emission.
- Vario fans are carefully designed to provide a low environmental impact, using recyclable materials and following the new "Design for Disassembly" technique to provide easy and environmentally friendly disposal of components.
- Highly efficient impellers.
- Model for installation on glass/panel/wall.
- Ceiling installation and wall installation.
- Data and performances IMQ Performance certified.
- Protection rating: IPX4.
- Insulation class: II .

TECHNICAL DATA

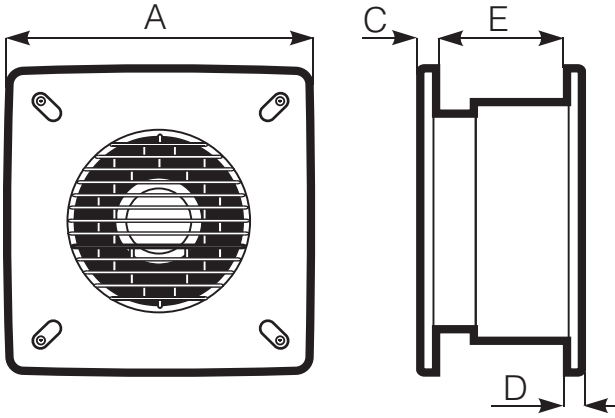
Models	Code	V ~ 50/60 Hz	W	A	RPM	Max Airflow		Lp dB(A) 3 m	Max °C	Kg
						m ³ /h	l/s			
VORTICE 150/6" ARI	12613	220 - 240	25	0.11	1330 ⁽¹⁾ 1880 ⁽²⁾	220 ⁽¹⁾ 130 ⁽²⁾	61.1 ⁽¹⁾ 36.1 ⁽²⁾	38.2	50	2.52
VORTICE 150/6" ARI LL S	12616	220 - 240	35	0.17	2080 ⁽¹⁾ 2460 ⁽²⁾	350* 200**	97.2 ⁽¹⁾ 55.6 ⁽²⁾	49.1	50	
VORTICE 230/9" ARI	12453	220 - 240	26	0.13	810 ⁽¹⁾ 1080 ⁽²⁾	450 ⁽¹⁾ 300**	125 ⁽¹⁾ 83.3 ⁽²⁾	35.7	50	3.88
VORTICE 230/9" ARI LL S	12456	220 - 240	35 (50 Hz) 40 (60 Hz)	0.19	1160 ⁽¹⁾ 1260 ⁽²⁾	680 ⁽¹⁾ 350**	188.9 ⁽¹⁾ 97.2 ⁽²⁾	45.3	50	
VORTICE 300/12" ARI	12413	220- 240	45	0.21	850 ⁽¹⁾ 1150 ⁽²⁾	1200 ⁽¹⁾ 850 ⁽²⁾	333.3 ⁽¹⁾ 236.1 ⁽²⁾	40.7	50 (50 Hz) 40 (60 Hz)	7.20
VORTICE 300/12" ARI LL S	12416	220 - 240	75 (50 Hz) 90 (60 Hz)	0.41	1230 ⁽¹⁾ 1310 ⁽²⁾	1750 ⁽¹⁾ 1000 ⁽²⁾	486.1 ⁽¹⁾ 277.7 ⁽²⁾	53.5		

⁽¹⁾Extract - ⁽²⁾Intake

..Legend: P= Pull Cord, A= Automatic, R= Reversible, LL= Long Life, S= Performance boost.



DIMENSIONS

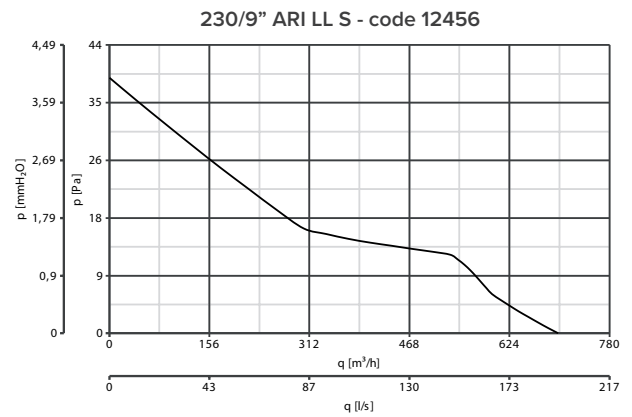
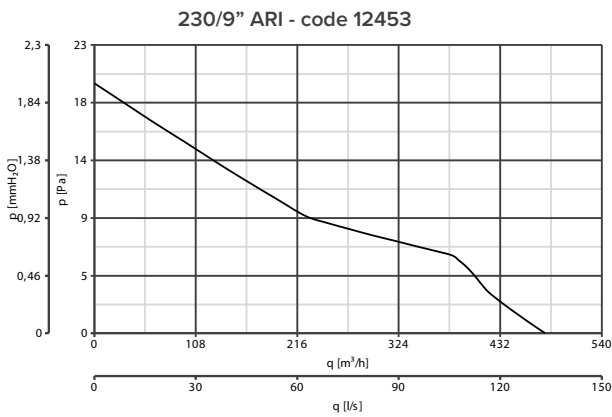
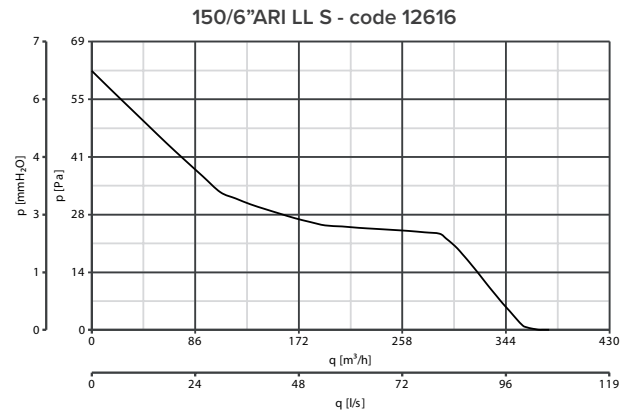
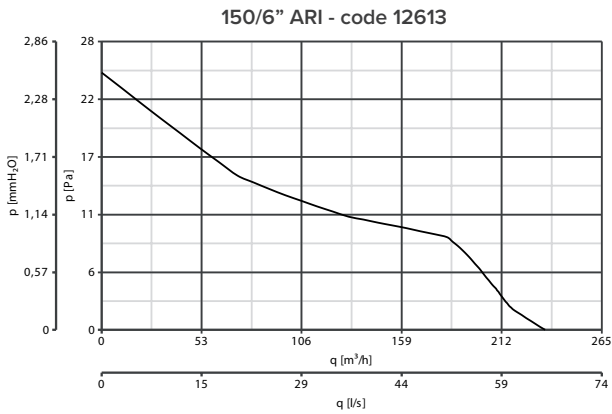


MODELS	∅A	C	D	E	HOLE DIA Ø
VORTICE 150/6" ARI	300	9.5	10.5	135	260÷265
VORTICE 230/9" ARI	400	10	11	180	335÷340
VORTICE 300/12" ARI	495	10.5	11.5	210	435÷440

Dimensions (mm)

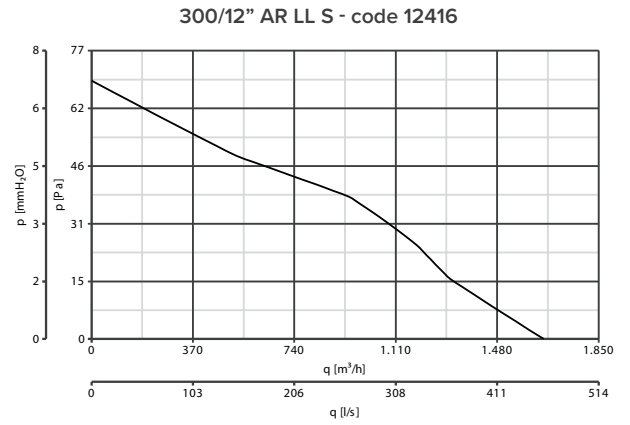
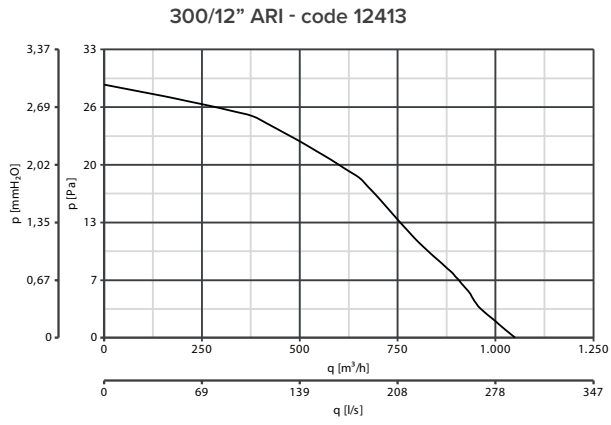
PERFORMANCE CURVES

— Power consumption — Delivery

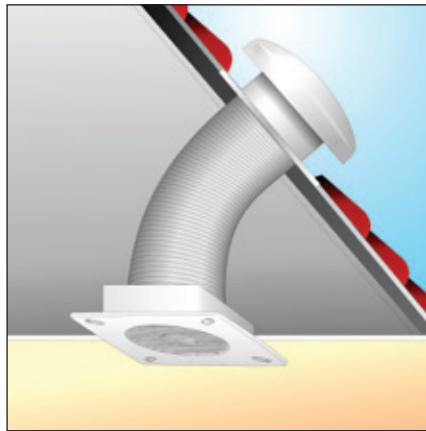


PERFORMANCE CURVES

— Power consumption — Delivery













APPLICATIONS



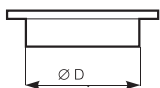


ACCESSORIES ON REQUEST

MODELS	DESCRIPTION	CODE	PRODUCT	
	CR5 Reversible 5 speeds controller	12943	All products	
	CR5N Reversible 5 speeds controller	12941	All products (not for cod. 12611 - 12451)	
	CREN Reversible 5 speeds controller	12944		
	C Temp Environmental sensor for temperature	12992	All products	
	C SMOKE Environmental sensor for air quality	12993		
	C HCS Environmental sensor for humidity	12994		
	C PIR Passive infrared sensor	12998		
	C Timer Adjustable over-run timer	12999		
	KIT VV - Double opening window kit	150/6"	13021	12611 - 12612 -12615 - 12614
		230/9"	13022	12451 - 12452 - 12455 - 12454
		300/12"	13023	12412 - 12415
	KIT FF - Double opening window kit	150/6"	13024	12611 - 12612 -12615 - 12614
		230/9"	13025	12451 - 12452 - 12455 - 12454
		300/12"	13026	12412 - 12415
	KIT MU - Wall mounting kit with rods		13018	12611 - 12612 - 12451 - 12452 - 12454 - 12455 - 12412 - 12415 - 12615 - 12614
	KIT TE - Roof cowl/wind baffle kit	150/6"	13001	12611 - 12612 - 12614 - 12615
		230/9"	13002	12451 - 12452 - 12454 - 12455
		300/12"	13003	12412 - 12415
	KIT SA - Darkroom cowl kit		13004	12451 - 12452 - 12455 - 12613 - 12616 - 12653 - 12456 - 12413 - 12416
	KIT ML - Deep wall installation kit	150/6"	13015	12616 - 12653
		230/9"	13016	12456 - 12653
		300/12"	13017	12416 - 12413
	KIT SO - Ceiling, false ceiling and panel kit	150/6"	13012	12416 - 12456 - 12613 - 12653
		230/9"		
	KIT TC - Spigot plate remote application	150/6"	13027	12613 - 12616
		230/9"	13028	12456 - 12653
		300/12"	13029	12416 - 12413

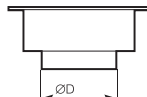
Duct diameter for spigot plate

MODELS	CODE	Ø D
150/6"	13027	171
230/9"	13028	240
300/12"	13029	300



Duct diameter for flush mounting frame

MODELS	CODE	Ø D
150/6"	13015	171
230/9"	13016	240
300/12"	13017	300



Diameter of PVC ducts

MODELS	Ø D INT.	Ø D EXT.	THICKNESS
150/6"	176	180	2
230/9"	245	250	2.5
300/12"	309	315	3

Diameter of aluminium ducts

MODELS	Ø D INT.
150/6"	176
230/9"	245
300/12"	309



RESIDENTIAL VENTILATION

VORTICE VARIO | RANGE



SINGLE AND DOUBLE-GLAZED WINDOW

MODELS	KIT REQUIRED (1) (CODE)	THICKNESS MIN/MAX
150/6"	none	2÷38
230/9"		
300/12"		



KIT VV - DOUBLE-GLAZED (OPENING) WINDOW

MODELS	KIT REQUIRED (2) (CODE)	THICKNESS MIN/MAX
150/6"	13021	30÷43
230/9"	13022	
300/12"	13023	



KIT FF - DOUBLE (OPENING) WINDOW SECONDARY-GLAZED

MODELS	KIT REQUIRED (3) (CODE)	THICKNESS MIN/MAX
150/6"	13024	230÷300
230/9"	13025	
300/12"	13026	



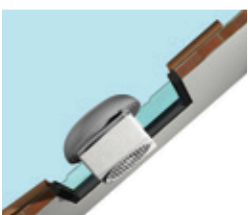
KIT MU - WALL MOUNTING

MODELS	KIT REQUIRED (4) (CODE)	THICKNESS MAX
150/6"	13018	300
230/9"		
300/12"		



WALL MOUNTING WITH EXTERNAL COWL AS A WIND BAFFLE

MODELS	KIT REQUIRED (4) (CODE)	THICKNESS MAX
150/6"	13001+13018	300
230/9"	13002+13018	
300/12"	13003+13018	



ROOF MOUNTING ON WINDOW/PANEL

MODELS	KIT REQUIRED (CODE)
150/6"	13001
230/9"	13002
300/12"	13003



WINDOW/PANEL MOUNTING WITH EXTERNAL COWL AS A WIND BAFFLE

MODELS	KIT REQUIRED (CODE)
150/6"	13001
230/9"	13002
300/12"	13003



WALL MOUNTING FOR REMOTE APPLICATION

MODELS	KIT REQUIRED (CODE)
150/6"	13003 + 13018 + 2 items 13027
230/9"	13002 + 13018 + 2 items 13028
300/12"	13003 + 13018 + 2 items 13029

DUCT NOT INCLUDED



BUILT-IN WALL MOUNTING

MODELS	KIT REQUIRED (5) (CODE)	THICKNESS
150/6"	none	135
230/9"		180
300/12"		210

BUILT-IN DEEP WALL MOUNTING

MODELS	KIT REQUIRED (CODE)	THICKNESS MIN/MAX
150/6"	13015	260÷460
230/9"	13016	320÷500
300/12"	13017	375÷515



BUILT-IN PANEL, CEILING AND FALSE CEILING MOUNTING

MODELS	KIT REQUIRED (CODE)
150/6"	13012
230/9"	
300/12"	13014

DUCT NOT INCLUDED



BUILT-IN WALL MOUNTED FOR REMOTE APPLICATION

MODELS	KIT REQUIRED (CODE)
150/6"	13027+13012+13015
230/9"	13028+13012+13016
300/12"	13029+13014+13017

DUCT NOT INCLUDED



BUILT-IN ROOF MOUNTED FOR REMOTE APPLICATION

MODELS	KIT REQUIRED (CODE)
150/6"	13001+13027+13012
230/9"	13002+13028+13012
300/12"	13003+13029+13014

DUCT NOT INCLUDED

(1) No kit is required for window/panels with thickness ranging from 3 to 38 mm.

(2) For installation in double-glazed (opening) window with thickness ranging from 30 to 43 mm.

(3) For installation on double (opening) window with thickness ranging from 230 to 300 mm.

(4) For installation on walls, with thickness ranging from 38 to 300 mm.

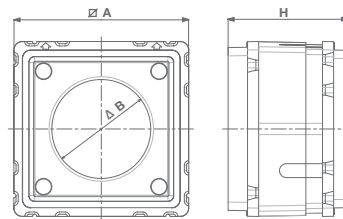
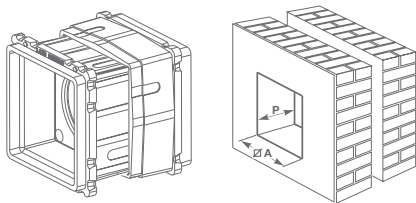
(5) No kit is required for walls with thickness ranging from 135 to 210 mm.



	Number of required kits	150/6" AR Code 12612	150/6" AR LL S Code 12615	150/6" P Code 12611	150/6" P LL S Code 12614	230/9" AR Code 12452	230/9" AR LL S Code 12455	230/9" P Code 12451	230/9" P LL S Code 12454	300/12" AR Code 12412	300/12" AR LL S Code 12415	150/6" ARI Code 12613	150/6" ARI LL S Code 12616	230/9" ARI Code 12653	230/9" ARI LL S Code 12456	300/12" ARI Code 12413	300/12" ARI LL S Code 12416
SINGLE-GLAZED WINDOW																	
Wall	1	13018	13018	13018	13018	13018	13018	13018	13018	13018	13018						
Double-glazed (opening) window	1	13021	13021	13021	13021	13022	13022	13022	13022	13023	13023						
Double (opening) window secondary-glazing	1	13024	13024	13024	13024	13025	13025	13025	13025	13026	13026						
Window-mounted with darkroom cowl	1					13004	13004	13004	13004								
Window / panel mounted with external cowl	1	13001	13001	13001	13001	13002	13002	13002	13002	13003	13003						
Roof application	1	13001	13001	13001	13001	13002	13002	13002	13002	13003	13003						
Wall-mounted with external cowl	2	13001 13018	13001 13018	13001 13018	13001 13018	13002 13018	13002 13018	13002 13018	13002 13018	13003 13018	13003 13018						
Wall-mounted for remote application (duct not included)	1	13001 13018 13027x2	13001 13018 13027x2	13001 13018 13027x2	13001 13018 13027x2	13002 13018 13027x2	13002 13018 13027x2	13002 13018 13027x2	13002 13018 13027x2	13003 13018 13027x2	13003 13018 13027x2						
BUILT-IN WALL MOUNTED																	
Thin wall mounted for remote application (duct not included)	3	13001 13012 13018 13027	13001 13012 13018 13027	13001 13012 13018 13027	13001 13012 13018 13027	13002 13012 13018 13028	13002 13012 13018 13028	13002 13012 13018 13028	13002 13012 13018 13028	13003 13014 13018 13029	13003 13014 13018 13029						
Panel-mounted with darkroom cowl	1					13004	13004	13004	13004								
Wall-mounted with darkroom cowl	2					13018 13004	13018 13004	13018 13004	13018 13004								
Built-in deep wall mounted	1											13015	13015	13016	13016	13017	13017
Panel - Ceiling - False ceiling	1											13012	13012	13012	13012	13014	13014
Roof-mounted for remote application (duct not included)	3											13001 13027 13012	13001 13027 13012	13002 13028 13012	13002 13028 13012	13003 13029 13014	13003 13029 13014
Built-in wall mounted for remote application (duct not included)	3											13012 13015 13027	13012 13015 13027	13012 13016 13028	13012 13016 13028	13014 13017 13029	13014 13017 13029

TELESCOPIC FRAME FORWALL MOUNTED MODELS

This frame is made of expanded polystyrene and facilitates wall mounting of the Vortice Vario series. Accessory included.



MODELS	∅ A	P (min)	P (max)
150/6"	325	220	330
230/9"	400	220	330
300/12"	500	220	330

MODELS	∅ A	∅ B	H
KIT IN 150/6"	315	180	205÷330
KIT IN 230/9"	390	260	205÷330
KIT IN 300/12"	490	305	205÷330

Dimensions (mm)