

VORTICE VARIO I RANGE

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



Design: F. Trabucco & Associates



Manual and automatic version unidirectional and reversible axial fans, designed for recessed installation in domestic or commercial premises subjected to heavy-duty daily use.

Key features

- Wide range of possible alternative installations (recessed, recessed with remote exhaust, recessed with remote exhaust from roof, false-ceiling, etc.) thanks to the optional accessories available.
- Easy, fast installation.
- Elegant, "Intel Design" and "Design Index Adi" award-winning design.
- Suitable for bathroom installation.

Version

3 models, with nominal diameter between 150 and 300 mm, reversible, driven by bearing motors, with automatic drive closing fins.

Technical features

- White, shock-proof, plastic resin (ABS) panels, prevents ageing caused by exposure to sunlight ("UV resistant").
- Black internal casings, moulded in shock-proof plastic resin and resistant to aggressive agents.
- Heat protected motors with shafts mounted on ball bearings to guarantee long lasting continuous service (at least 30,000 h) at the maximum plate temperature. Speed adjustment using VORTICE accessory devices. The direction of rotation can be reversed to perform the double function of extracting stale air and introducing fresh air into the serviced room.
- Axial impellers moulded in plastic resin, resistant to aggressive agents, with saber shaped blades to combine high performance with low noise emissions.
- Automatic drive exhaust duct closing fins to prevent unwanted inflows of air and bad odours when the device is switched off.
- Possibility of combining with a timer and temperature, relative humidity, smoke and presence sensors (optional).
- Fully compliant with Reg. No. 327/2011/EU.
- Performance and safety certified by third party body (IMQ)
- Protection rating from dust and water: IPX4.
- Class of electric isolation: II □ (earthing not required).

TECHNICAL DATA

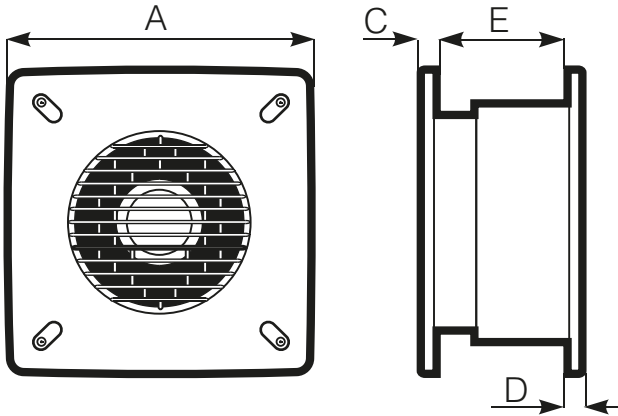
MODELS	CODE	V~50/60HZ	W max	A max	RPM max	MAX AIRFLOW		Lp dB(A)* 3m max	MAX °C**	KG
						m ³ /h	l/s			
VORTICE 150/6" ARI	12613	220-240	25	0.11	1330 ⁽¹⁾ 1880 ⁽²⁾	220 ⁽¹⁾ 130 ⁽²⁾	61.1 ⁽¹⁾ 36.1 ⁽²⁾	38.2	50	2.52
VORTICE 150/6" ARI LL S	12616	220-240	35	0.17	2080 ⁽¹⁾ 2460 ⁽²⁾	350 ⁽¹⁾ 200 ⁽²⁾	97.2 ⁽¹⁾ 55.6 ⁽²⁾	49.1	50	2.52
VORTICE 230/9" ARI	12453	220-240	26	0.13	810 ⁽¹⁾ 1080 ⁽²⁾	450 ⁽¹⁾ 300 ⁽²⁾	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 ⁽²⁾	188.9 ⁽¹⁾ 97.2 ⁽²⁾	45.3	50	3.88
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	50 (50 Hz) 40 (60 Hz)	7.20

⁽¹⁾ Intake - ⁽²⁾ Extract

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



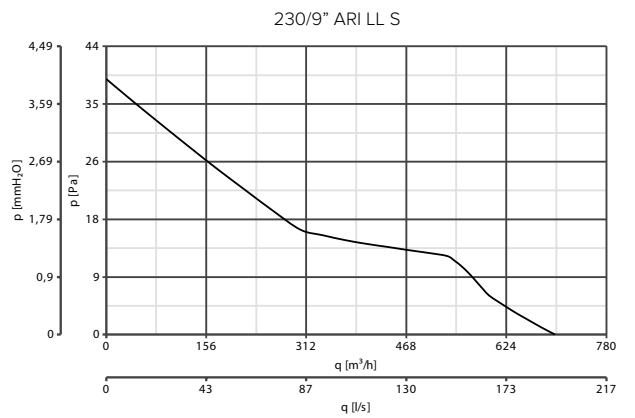
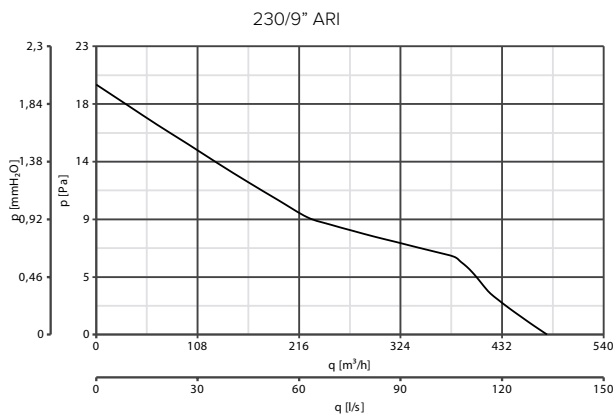
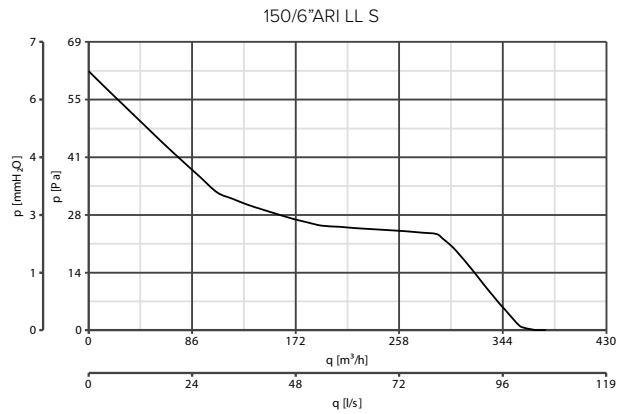
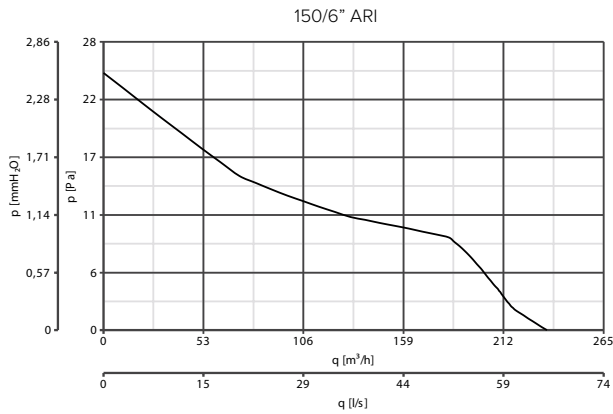
DIMENSIONS



PRODOTTI	Ø	B	C	D	ØOLE DIA
VORTICE 150/6" ARI	300	9.5	10.5	135	260÷265
VORTICE 230/9" ARI	400	10	11.0	180	335÷340
VORTICE 300/12"	495	10.5	11.5	210	435÷440

Quote in mm

PERFORMANCE CURVES

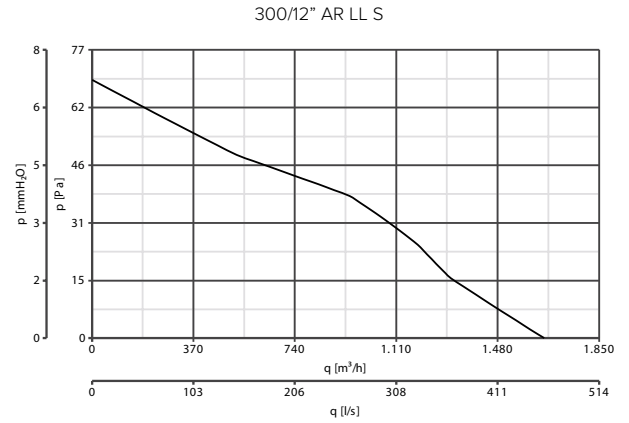
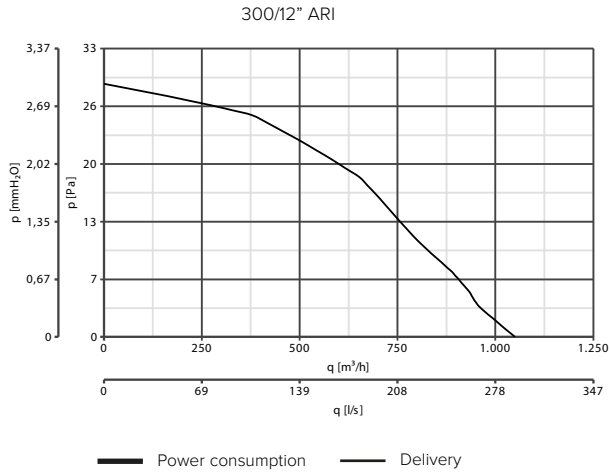


— Power consumption — Delivery







VORTICE VARIO I RANGE
FLUSH MOUNTED AXIAL FANS




PERFORMANCE CURVES



CONTROLLER

MODELS	DESCRIPTION	CODE	PRODUCT
	CR5N - Reversible 5 speeds controller	12941	All products
	CREN - Reversible 5 speeds controller	12944	All products
	C TEMP - Environmental sensor for temperature	12992	All products
	C SMOKE - Environmental sensor for air quality	12993	All products
	C HCS - Environmental sensor for humidity	12994	All products
	C PIR - Passive infrared sensor	12998	All products
	C TIMER - Adjustable over-run timer	12999	All products

ACCESSORIES ON REQUEST

MODELS	DESCRIPTION	CODE	PRODUCT
		150/6"	12616 - 12613
	KIT ML - Deep wall installation kit	230/9"	12456 - 12653
		300/12"	12416 - 12413
		150/6"	12616 - 12613
	KIT TC - Spigot plate remote application	230/9"	12456 - 12653
		300/12"	12416 - 12413
		150/6"	12616 - 12456 - 12613 - 12653
	KIT SO - Ceiling, false ceiling and panel kit	230/9"	
		300/12"	12413 - 12416



ACCESSORIES ON REQUEST



BUILT-IN WALL MOUNTING

Models	Code	Kit required (code)	thickness
150/6" ARI LL S	12616		135
150/6" ARI	12613		
230/9" ARI LL S	12456	none	180
230/9" ARI	12453		
300/12" ARI LL S	12416		210
300/12" ARI	12413		

BUILT-IN DEEP WALL MOUNTING

Models	Code	Kit required (code)	thickness min/max
150/6" ARI LL S	12616		
150/6" ARI	12613	13015	260-460
230/9" ARI LL S	12456		
230/9" ARI	12453	13016	320-500
300/12" ARI LL S	12416		
300/12" ARI	12413	13017	375-515



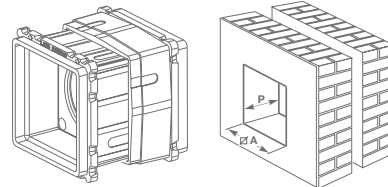
BUILT-IN PANEL, CEILING AND FALSE CEILING MOUNTING*

Models	Code	Kit required (code)
150/6" ARI LL S	12616	
150/6" ARI	12613	
230/9" ARI LL S	12456	13012
230/9" ARI	12453	
300/12" ARI LL S	12616	
300/12" ARI LL S	12616	13014

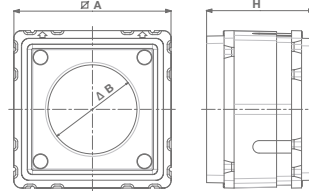
* duct not included

TELESCOPIC FRAME FOR WALL MOUNTED MODELS

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



MODEL	∅ A	P (MIN)	P (MAX)
150/6"	325	220	330
230/9"	400	220	330
300/12"	500	220	330



MODEL	A	∅B	H
3,217 MM	325	180	205÷330
KIT IN 230/9"	400	260	205÷330
KIT IN 300/12"	500	305	205÷330

Number of required kits	150/6" AR Code 12612	150/6" ARI LL S Code 12615	150/6" P Code 12611	150/6" P LL S Code 12614	230/9" AR Code 12452	230/9" ARI LL S Code 12455	230/9" P Code 12451	230/9" P LL S Code 12454	300/12" AR Code 12412	300/12" ARI LL S Code 12415	150/6" ARI Code 12613	150/6" ARI LL S Code 12616	230/9" ARI Code 12453	230/9" ARI LL S Code 12456	300/12" ARI Code 12413	300/12" ARI LL S Code 12416
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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	

