



VORTICE VARIO RANGE

Wall/window axial fans **LONG LIFE 30.000 h**

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

Key features

- Wide range of possible alternative installations (windows, walls, false-ceilings, roofs, dark rooms, etc.) thanks to the optional accessories available.
- Easy, fast installation.
- Elegant, "Intel Design" and "Design Index Adi" award-winning design.
- Suitable for bathroom installation.

Design: F. Trabucco & Associates



Version

- 7 models, with nominal diameter between 150 and 300 mm, in unidirectional and reversible versions, driven by bushing and bearing motors, with manual and automatic drive closing fins.

Technical features

- White, shock-proof, plastic resin (ABS) panels, prevents ageing caused by exposure to sunlight ("UV resistant").
- Heat protected motors with shafts mounted on bushings with self-centring and self-lubricating neck to favour low sound emissions, or on ball bearings (LL models) to ensure long lasting (at least 30,000 h) continuous service at the maximum plate temperature. Speed adjustment using VORTICE accessory devices. The direction of rotation can be reversed (R models) 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.
- Exhaust duct closing fins to prevent unwanted inflows of air and bad odours when the device is switched off, automatic drive on A models.
- 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

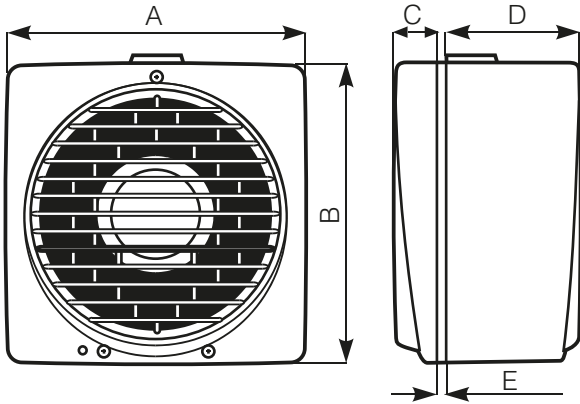
MODELS	CODE	V~50/60HZ	W max	A max	RPM max	MAX AIRFLOW		Lp dB(A)* 3m max	MAX °C**	KG
						m³/h	l/s			
VORTICE 150/6" P	12611	220-240	18	0.10	1340	235	65.3	37.5	50	2.07
VORTICE 150/6" AR	12612	220-240	25	0.11	1340 ⁽¹⁾ 2040 ⁽²⁾	235 ⁽¹⁾ 150 ⁽²⁾	65.3 ⁽¹⁾ 41.7 ⁽²⁾	37.5	50	2.07
VORTICE 150/6" AR LL S	14615	220-240	35	0.17	2110 ⁽²⁾ 2520 ⁽¹⁾	380 ⁽²⁾ 215 ⁽¹⁾	105.6 ⁽²⁾ 59.7 ⁽¹⁾	49.6	50	2.07
VORTICE 150/6" P LL S	12614	220-240	32	0.16	2110	380	105.6	46.9	50	2.07
VORTICE 230/9" P	12451	220-240	22	0.10	790	480	133	35.6	50	3.45
VORTICE 230/9" AR	12452	220-240	26	0.13	790 ⁽¹⁾ 1080 ⁽²⁾	480 ⁽¹⁾ 310 ⁽²⁾	133 ⁽¹⁾ 86 ⁽²⁾	35.6	50	3.45
VORTICE 230/9" P LL S	12454	220-240	32 (50 Hz) 38 (60 Hz)	0.18	1200	700	194.4	43.6	50	3.45
VORTICE 230/9" AR LL S	12455	220-240	35 (50 Hz) 40 (60 Hz)	0.19	1200 ⁽¹⁾ 1300 ⁽²⁾	700 ⁽¹⁾ 370 ⁽²⁾	194.4 ⁽¹⁾ 102.8 ⁽²⁾	43.6	50	3.45
VORTICE 300/12" AR	12412	220-240	45	0.21	840 ⁽¹⁾ 1085 ⁽²⁾	1050 ⁽¹⁾ 700 ⁽²⁾	292 ⁽¹⁾ 194.4 ⁽²⁾	40.2	50 (50 Hz) 40 (60 Hz)	6.13
VORTICE 300/12" AR LL S	12415	220-240	75 (50 Hz) 90 (60 Hz)	0.41	1215 ⁽¹⁾ 1280 ⁽²⁾	1650 ⁽¹⁾ 920 ⁽²⁾	458.3 ⁽¹⁾ 255.6 ⁽²⁾	53.6	50 (50 Hz) 40 (60 Hz)	6.13

⁽¹⁾ Intake - ⁽²⁾ Extract

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



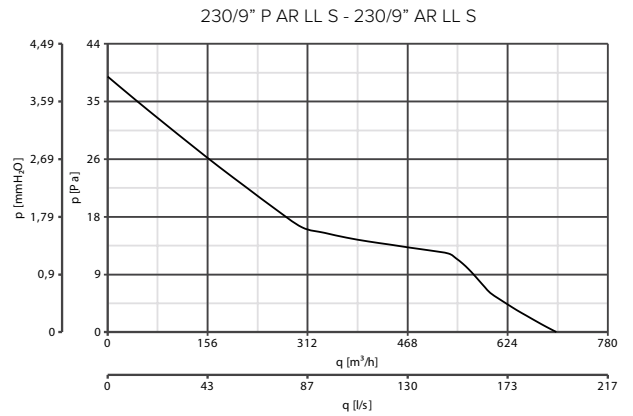
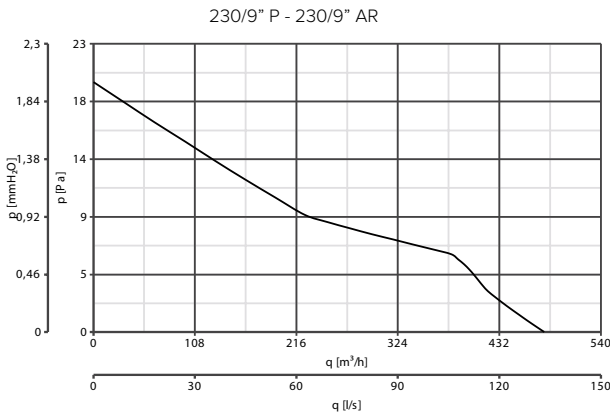
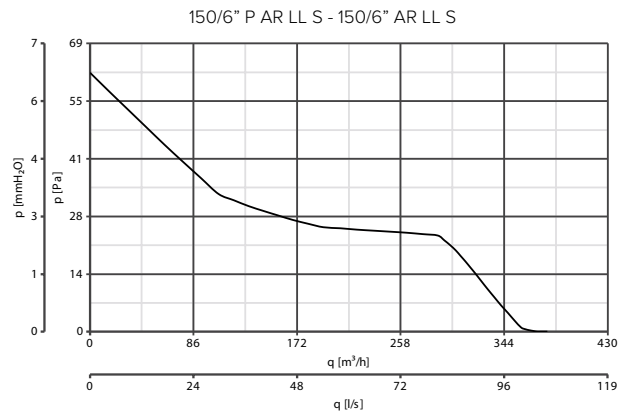
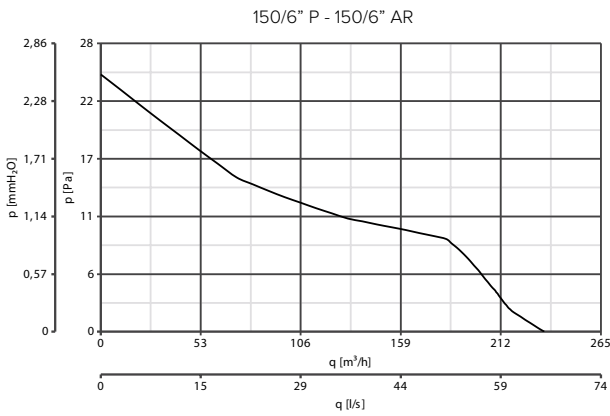
DIMENSIONS



MODELS	A	B	C	D	E MIN/MAX	HOLE DIA Ø
VORTICE 150/6"	215	218	31	97,5	2/38	185÷190
VORTICE 230/9"	294	297	31	130	2/38	257÷262
VORTICE 300/12"	390	393	31	147	2/38	324÷329

Dimensions (mm)

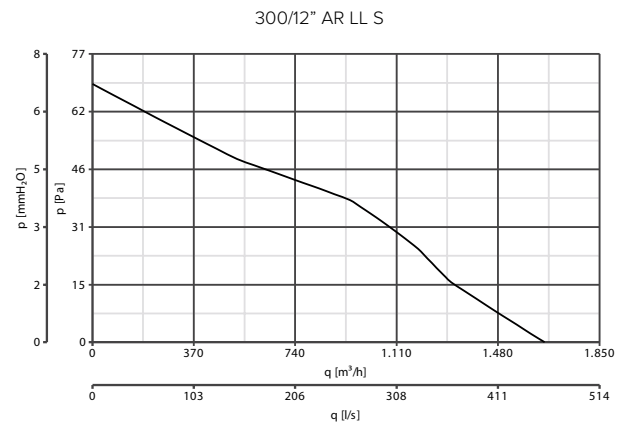
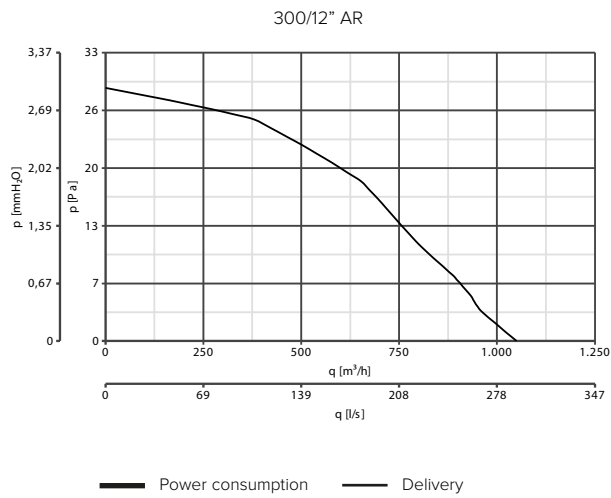
PERFORMANCE CURVES








— Power consumption — Delivery







PERFORMANCE CURVES



CONTROLLER



MODELS	DESCRIPTION	CODE	PRODUCTS
	CR5N - Reversible 5 speeds controller	12941	All products (not for code 12611 - 12451)
	CREN - Reversible 5 speeds controller	12944	All products (not for code 12611 - 12451)
	C TEMP - Environmental sensor for temperature	12992	All products (not for code 12611 - 12451)
	C SMOKE - Environmental sensor for air quality	12993	All products (not for code 12611 - 12451)
	C HCS - Environmental sensor for humidity	12994	All products (not for code 12611 - 12451)
	C PIR - Passive infrared sensor	12998	All products (not for code 12611 - 12451)
	C TIMER - Adjustable over-run timer	12999	All products (not for code 12611 - 12451)

ACCESSORIES ON REQUEST

MODELS	DESCRIPTION	CODE	PRODUCTS
	KIT VV - Double opening window kit	150/6"	12611 - 12612 - 12615 - 12614
		230/9"	12451 - 12452 - 12454 - 12455
		300/12"	12412 - 12415
	KIT FF - Double opening window kit	150/6"	12611 - 12612 - 12615 - 12614
		230/9"	12451 - 12452 - 12455
		300/12"	12412 - 12415
	KIT TC - Spigot plate remote application	150/6"	12611 - 12612 - 12615 - 12614
		230/9"	12451 - 12452 - 12454 - 12455
		300/12"	12412 - 12415
	KIT MU - Wall mounting kit with rods	13018	12611 - 12612 - 12451 - 12452 - 12455 12412 - 12415



ACCESSORIES ON REQUEST

MODELS	DESCRIPTION	CODE	PRODUCTS
	KIT TE - Roof cowl/wind baffle kit	150/6"	13001 12611 - 12612 - 12615 - 12614
		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



SINGLE AND DOUBLE-GLAZED WINDOW

Models	Code	Kit required (code)	thickness min/max
150/6" P	12611		
150/6" AR	12612		
150/6" P LL S	12614		
150/6" AR LL S	12615	none	2-38
230/9" P	12451		
230/9" AR	12452		
230/9" P LL S	12454		
230/9" AR LL S	12455		
300/12" AR	12412		
300/12" AR LL S	12415		



WINDOW/PANEL MOUNTING WITH EXTERNAL COWL AS A WIND BAFFLE

Models	Code	Kit required (code)	
150/6" P	12611	13001	
150/6" AR	12612		
150/6" P LL S	12614		
150/6" AR LL S	12615	13002	
230/9" P	12451		
230/9" AR	12452		
230/9" P LL S	12454	13003	
230/9" AR LL S	12455		
300/12" AR	12412		
300/12" AR LL S	12415		



KIT VV - DOUBLE-GLAZED (OPENING) WINDOW

Models	Code	Kit required (code)	thickness min/max
150/6" P	12611	13021	
150/6" AR	12612		
150/6" P LL S	12614		
150/6" AR LL S	12615	13022	30-43
230/9" P	12451		
230/9" AR	12452		
230/9" AR LL S	12455		
230/9" P LL S	12454		
300/12" AR	12412		
300/12" AR LL S	12415	13023	



WALL MOUNTING FOR REMOTE APPLICATION*

Models	Code	Kit required (code)
150/6" AR	12612	13003 + 13018 + 2 items 13027
150/6" AR LL S	16615	
230/9" AR	12452	13002 + 13018 + 2 items 13028
230/9" AR LL S	12455	
300/12" AR	12412	13003 + 13018 + 2 items 13029
300/12" AR LL S	12611	

* duct not included



KIT FF - DOUBLE (OPENING) WINDOW SECONDARY-GLAZED

Models	Code	Kit required (code)	thickness min/max
150/6" P	12611	13024	
150/6" AR	12612		
150/6" P LL S	12614		
150/6" AR LL S	12615	13025	230-300
230/9" P	12451		
230/9" AR	12452		
230/9" AR LL S	12455		
230/9" P LL S	12454		
300/12" AR	12412		
300/12" AR LL S	12415	13026	



KIT TE - ROOF COWL/WIND BAFFLE KIT

Models	Code	Kit required (code)
150/6" P	12612	13001
150/6" P LL S	12614	
150/6" AR LL S	12615	
230/9" AR	12452	13002
230/9" AR LL S	12455	
230/9" P LL S	12454	
300/12" AR	12412	13003
300/12" AR LL S	12415	



KIT MU - WALL MOUNTING

Models	Code	Kit required (code)	thickness min/max
150/6" P	12611		
150/6" AR	12612		
150/6" P LL S	12614		
150/6" AR LL S	12615	13018	300
230/9" P	12451		
230/9" AR	12452		
230/9" AR LL S	12455		
230/9" P LL S	12454		
300/12" AR	12412		
300/12" AR LL S	12415		



ROOF MOUNTING WITH EXTERNAL COWL AS A WIND BAFFLE

Models	Code	Kit required (code)	thickness min/max
150/6" P	12611	13001 + 13018	
150/6" AR	12612		
150/6" P LL S	12614		
150/6" AR LL S	12615	13002 + 13018	300
230/9" P	12451		
230/9" AR	12452		
230/9" AR LL S	12455	13003 + 13018	
230/9" P LL S	12454		
300/12" AR	12412		
300/12" AR LL S	12415		