



AXIAL FANS



VARIO RANGE



VORTICE VARIO RANGE

Wall/window reversible axial fans

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.

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.

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.

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.
- Axial impellers moulded in plastic resin, resistant to aggressive agents.
- Possibility of combining with a timer and temperature, relative humidity, smoke and presence sensors (optional).
- Fully compliant with Reg. No. 327/2011/EU.
- Protection rating from dust and water: IPX4.
- Class of electric isolation: II □ (earthing not required).

TECHNICAL DATA

MODELS	CODE	V _n 50/60HZ	W max	A max	RPM max	MAX AIRFLOW m³/h	MAX AIRFLOW l/s	Lp dB(A)* 3m max	MAX °C**	KG
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	12615	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

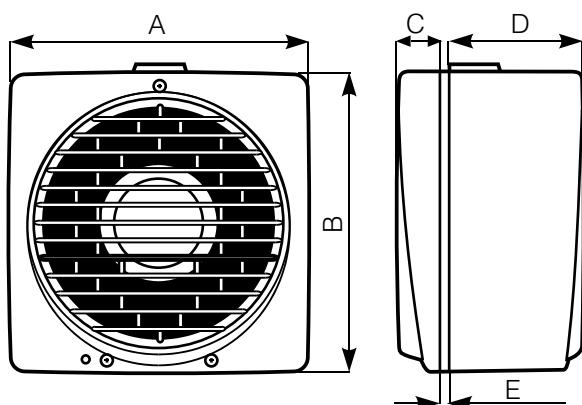
⁽¹⁾ Intake - ⁽²⁾ Extract

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





DIMENSIONS

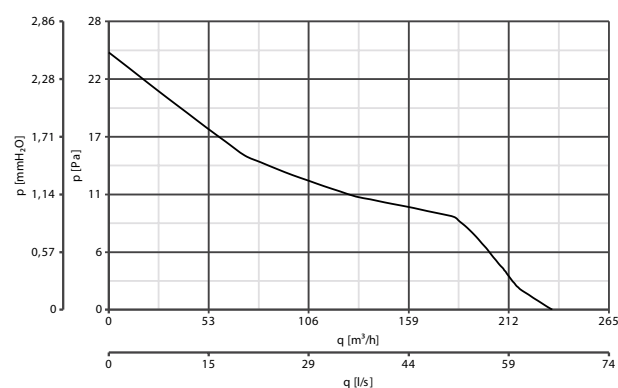


MODELS	A	B	C	D	E MIN/MAX	HOLE DIA Ø
VORTICE 150/6"	215	218	31	97.5	2/38	185÷190
VORTICE 230/9"	294	297	31	130	2/38	257÷262
VORTICE 300/12"	390	393	31	147	2/38	324÷329

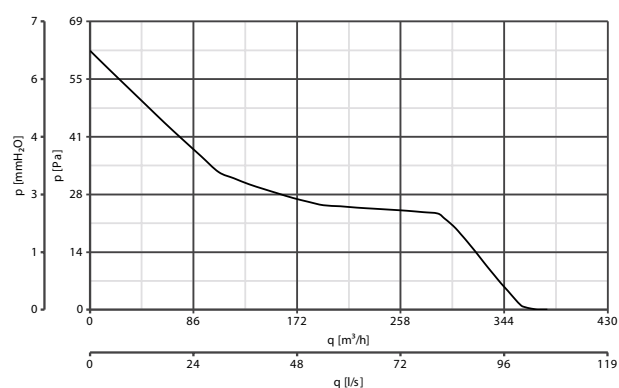
Dimensions (mm)

PERFORMANCE CURVES

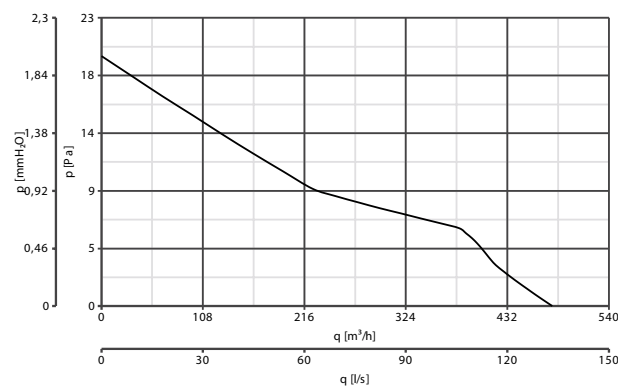
150/6" P - 150/6" AR



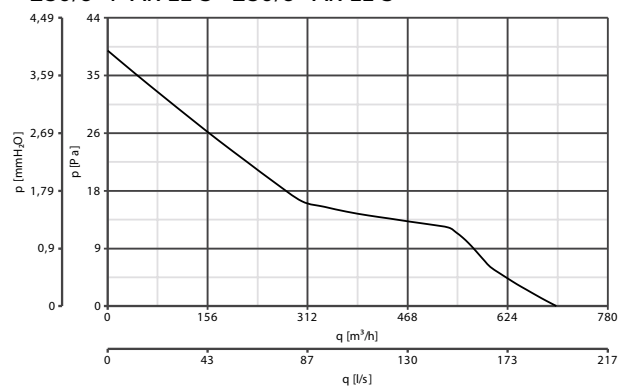
150/6" P AR LL S - 150/6" AR LL S



230/9" P - 230/9" AR



230/9" P AR LL S - 230/9" AR LL S



— Power consumption — Delivery

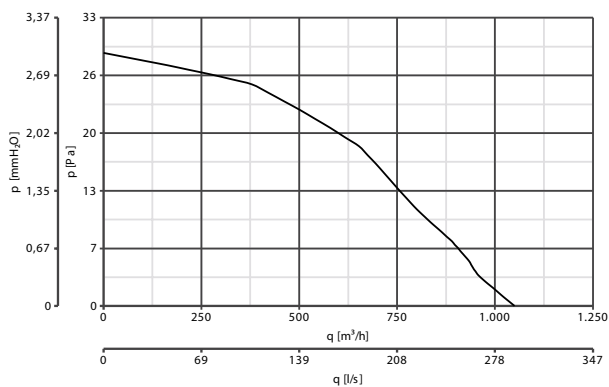


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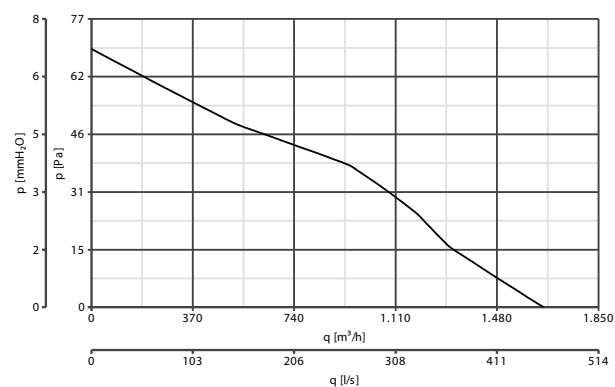
PERFORMANCE CURVES

300/12" AR



— Power consumption — Delivery

300/12" AR LL S



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 seonsor 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	13021	12611 - 12612 - 12615 - 12614
		13022	12451 - 12452 - 12454 - 12455
		13023	12412 - 12415
	KIT FF - Double opening window kit	13024	12611 - 12612 - 12615 - 12614
		13025	12451 - 12452 - 12455
		13026	12412 - 12415
	KIT TC - Spigot plate remote application	13027	12611 - 12612 - 12615 - 12614
		13028	12451 - 12452 - 12454 - 12455
		13029	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"	12611 - 12612 - 12615 - 12614
		230/9"	12451 - 12452 - 12454 - 12455
		300/12"	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	none	2÷38
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		



KIT VV - DOUBLE-GLAZED (OPENING) WINDOW

Models	Code	Kit required (code)	thickness min/max
150/6" P	12611	13021	30÷43
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	13023	30÷43
230/9" AR LL S	12455		
230/9" P LL S	12454	13023	30÷43
300/12" AR	12412		
300/12" AR LL S	12415	13023	30÷43
300/12" AR LL S	12415		



KIT FF - DOUBLE (OPENING) WINDOW SECONDARY-GLAZED

Models	Code	Kit required (code)	thickness min/max
150/6" P	12611	13024	230÷300
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	13026	230÷300
230/9" AR LL S	12455		
230/9" P LL S	12454	13026	230÷300
300/12" AR	12412		
300/12" AR LL S	12415	13026	230÷300
300/12" AR LL S	12415		



KIT MU - WALL MOUNTING

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



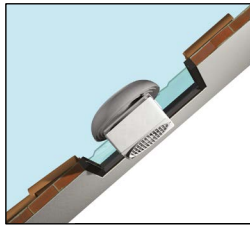
WALL MOUNTING FOR REMOTE APPLICATION*

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

PANEL/WALL MOUNTING WITH DARKROOM COWL

Models	Code	Kit required (code)
230/9" P	12451	glass = 13004 wall = 13004 + 13018
230/9" P LL S	12454	
230/9" AR	12452	
230/9" AR LL S	12455	



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	13003
300/12" AR	12412	
300/12" AR LL S	12415	13003
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	300
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	13002 + 13018	300
230/9" AR LL S	12455		
230/9" P LL S	12454	13003 + 13018	300
300/12" AR	12412		
300/12" AR LL S	12415	13003 + 13018	300
300/12" AR LL S	12415		

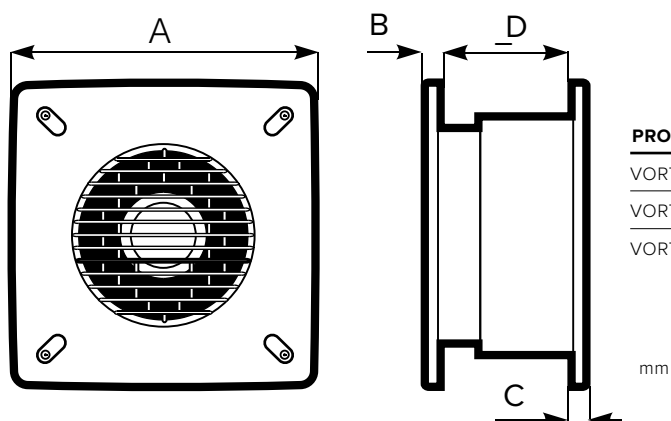


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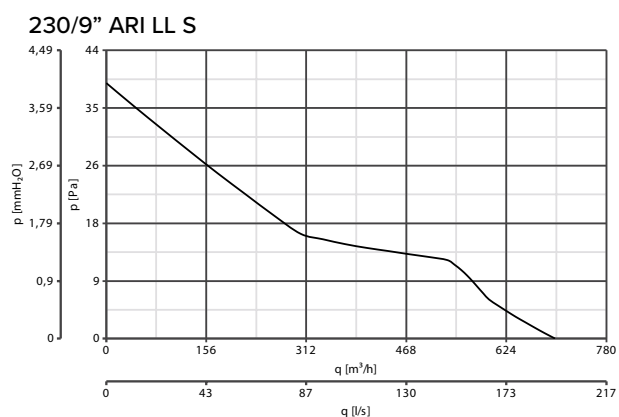
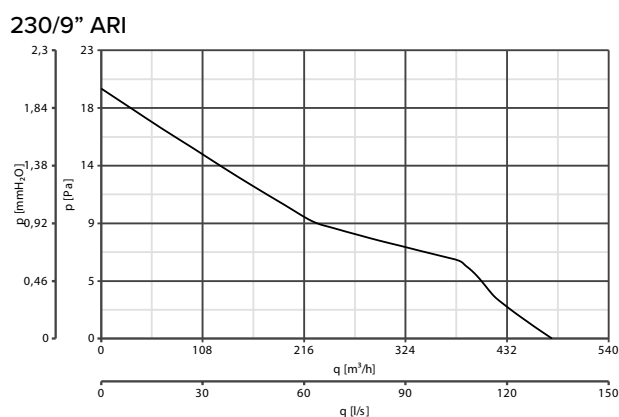
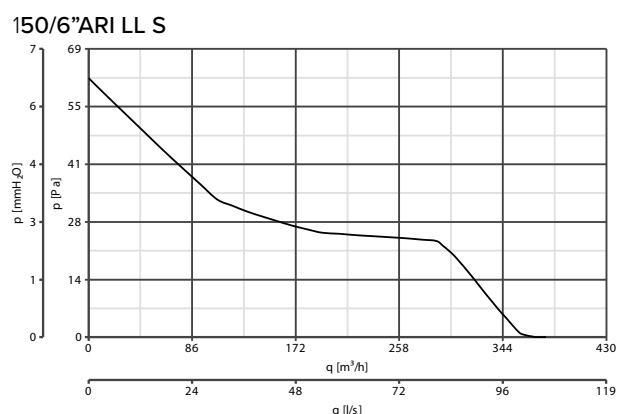
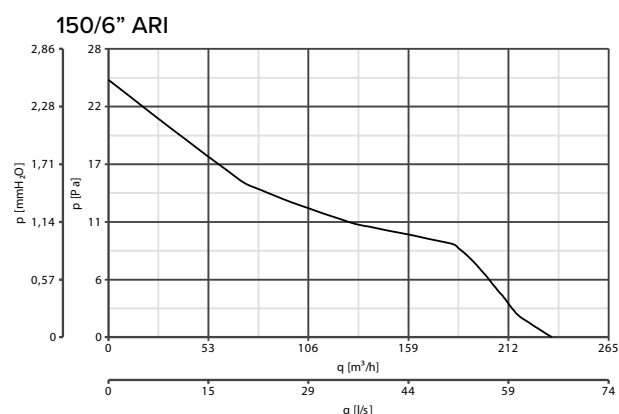
VARIO RANGE

DIMENSIONS



PRODUCT	ØA	B	C	D	HOLE THROUGH WALL SIZE
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

PERFORMANCE CURVES



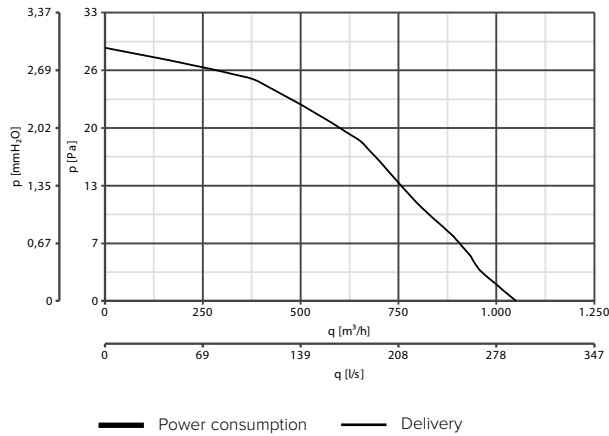
— Power consumption — Delivery



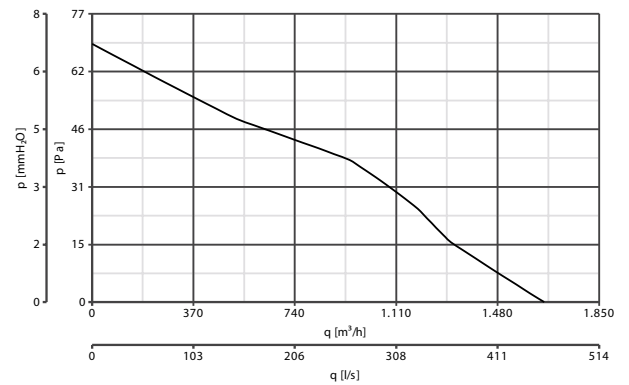


PERFORMANCE CURVES

300/12" ARI



300/12" AR LL S



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
	KIT ML - Deep wall installation kit	13015	12616 - 12613
		13016	12456 - 12653
		13017	12416 - 12413
	KIT TC - Spigot plate remote application	13027	12616 - 12613
		13028	12456 - 12653
		13029	12416 - 12413
	KIT SO - Ceiling, false ceiling and panel kit	13012	12616 - 12456 - 12613 - 12653
		13014	12413 - 12416