

RESIDENTIAL VENTILATION





LONG LIFE 30.000 h

PUNTO GHOST RANGE

In-line axial fans

Suitable for installation in walls, ceilings/false ceilings, lofts, internal walls.



Design: F. Trabucco & Associates

- **10 models:** from Ø 90 to 150 available with or without timer.
- Can be used as temperature blenders in adjacent rooms.
- Motor with shielded poles and ball bearings (30.000 h guaranteed continuous operation) with thermal cut-out. Except codes (11110-11111-11116-11117).
- Complies with the requirements of Part F1 of the Building Regulations even when connected on 3 m flexible aluminium duct (with 2 x 90° bends).
- Protection rating: IPX4.
- Insulation class: II. □

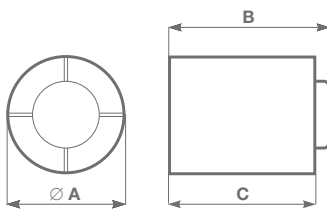


Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code		V~50Hz	W	A	RPM	Max Airflow		Max Pressure		Lp dB(A) 3 m	Max °C
	basic	timer					m³/h	l/s	mmH₂O	Pa		
MG 90/3.5"	11110	11111	230 - 240	18	0.10	2450	65	18	2.1	21	38	40
MG 100/4" LL	11100	11101				2415	80	22.2	2.6	25	39	
MG 120/5"	11116	-		20	0.12	2250	160	44	4.5	44	43	50
MG 120/5" LL	11102	11103					44.4					
MG 150/6"	11117	-		30	0.18	2200	320	89	7.0	69	48	
MG 150/6" LL	11104	11105					88.9					

DIMENSIONS








Models	Ø A	B	C	Kg
MG 90/3.5"	92.5	92	89	0.40
MG 90/3.5" T		96.5		
MG 100/4" LL	99	92		0.43
MG 100/4" LL T		96.5		
MG 120/5"	119	103	100	0.56
MG 120/5" LL		107.5		
MG 120/5" T LL		110		
MG 150/6"	155	110	107	0.80
MG 150/6" LL		114.5		
MG 150/6" T LL				

Dimensions (mm)

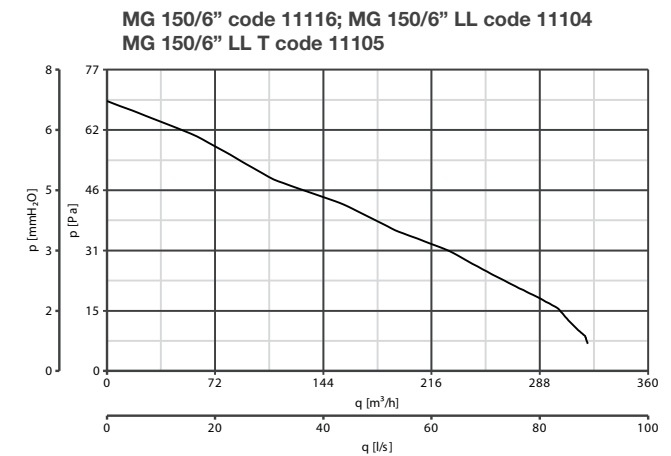
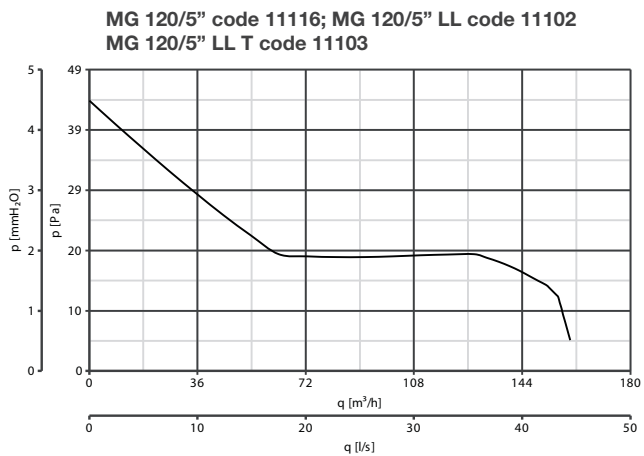
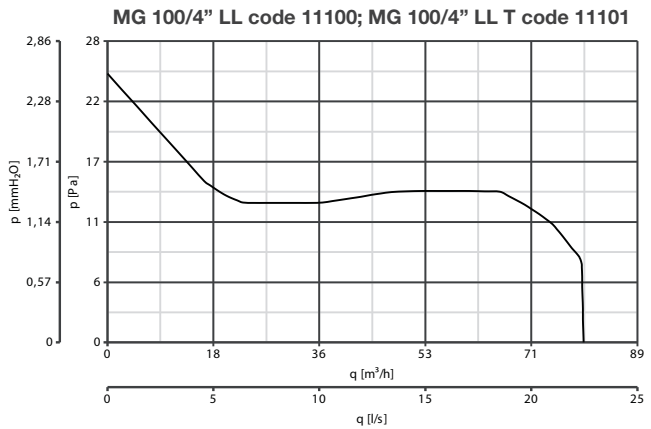
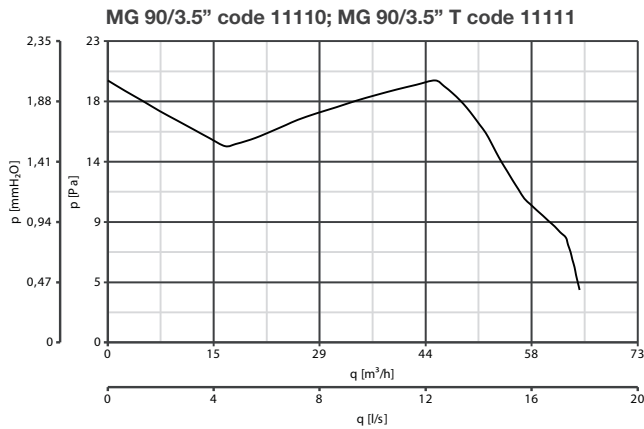


PRODUCT ACCESSORIES

Models	Description	Code	Product										
			MG 90/3.5" code 11110	MG 90/3.5" T code 11111	MG 100/4" LL code 11100	MG 100/4" LL T code 11101	MG 120/5" code 11116	MG 120/5" LL code 11102	MG 120/5" LL T code 11103	MG 150/6" code 11117	MG 150/6" LL code 11104	MG 150/6" LL T code 11105	
	C 1.5 Electronic speed controller 1.5 A	12966	●		●		●	●		●	●		
	SCNRB Electronic speed controller built-in	12971			●			●					
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966										
	SPACER FLANGE FOR EXTERNAL WIRING Ø 100/4	22253			●	●							
	SPACER FLANGE FOR EXTERNAL WIRING Ø 120/5	22254					●	●	●				
	SPACER FLANGE FOR EXTERNAL WIRING Ø 150/6	22255								●	●	●	
	LOFT MOUNTING BRACKETS Ø 90/100	22259			●	●							
	LOFT MOUNTING BRACKETS Ø 120	22260					●	●	●				
	LOFT MOUNTING BRACKETS Ø 150	22261								●	●	●	
	Complete installation kit 90/2 MG	22265	●	●									
	Complete installation kit 100/4 MG	22262			●	●							
	Complete installation kit 120/5 MG	22263					●	●	●				
	Complete installation kit 150/6 MG	22264								●	●	●	

Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES



— static pressure





LONG LIFE 30.000 h

PUNTO RANGE

Wall/window axial fans

For intermittent or continuous ventilation of bathrooms, toilets, kitchens or utility rooms in domestic or commercial properties.



Design: F. Trabucco & Associates

- **40 models:** from Ø 100 to 150 available with or without the option of automatic shutters, timer, pull cord, humidistat, electronic microprocessor and Passive infrared.
- Motor with shielded poles, either with bronze or ball bearings, and with thermal cut-out.
- Motor support and grille made of anti-UV ABS.
- High airflow rate, low operating noise level and low power consumption due to the wing profile blades and motor support.
- The standard models can be speed regulated.
- Protection rating: IPX4.
- Insulation class: II. □

Punto 12V.

- **2 models:** available with or without automatic shutters; In the automatic version the shutters positioned behind the front grille automatically open and close slowly when the unit is operated.
- The shutters are made from shockproof, anti-UV-treated plastic.
- 12V motor with shielded poles, bronze bearings and thermal cut-out.
- Insulation: Selv Cl.III.

Punto T-HCS.

- **3 models:** adjustable RH threshold at 60%, 70%, 80%, 90% by mean of a slide switch during installation.
- Smart working mode: the product automatically switches on when the indoor relative humidity level exceeds the pre-set value. A timer automatically switches off the product when the relative humidity decreases under the pre-set limit.



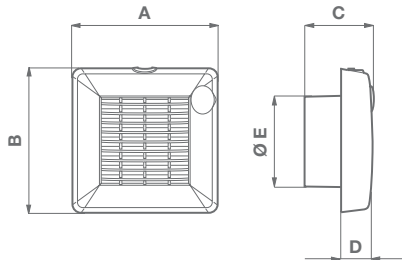
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code	V~50Hz	W	A	RPM	Max Airflow		Max Pressure		Lp dB(A) 3 m	Max °C
						m³/h	l/s	mmH ₂ O	Pa		
M 100/4"	11201	230 - 240	18	0.1	2300	90	25	3	29	37.5	50
M 100/4" 12V	11203										
M 120/5"	11301		20	0.12	2100	175	48.6	4.5	44		
M 150/6"	11401										



DIMENSIONS








Models	A	B	C	D	Ø E	Kg
M 100/4"	159	160	100	47	99	0.6
M 120/5"	179	181	110		119	0.8
M 150/6"	214	215	117		156	1.1

Dimensions (mm)

Punto		STANDARD	LONG LIFE 30.000 h
Ø100	Basic	11201	11202
	Timer	11211	11212
	12V	11203	-
	Pull Cord	11641	-
	Automatic	11221	11222
	Automatic Timer	11231	11232
	Automatic T-PIR	-	11684
	Automatic T-HCS	-	11616
	Automatic 12V	11223	-
	Automatic Pull Cord	11646	-
	Ø120	Basic	11301
Timer		11311	11312
Pull Cord		11741	-
Automatic		11321	11322
Automatic Timer		11331	11332
Automatic T-PIR		-	11784
Automatic T-HCS		-	11692
Automatic Pull Cord		11746	-
Ø150	Basic	11401	11402
	Timer	11411	11412
	Timer PIR	11851	-
	Automatic	11421	11422
	Automatic Timer	11431	11432
	Automatic T-PIR	-	11884
	Automatic T-HCS	-	11698
	Automatic Pull Cord	11856	-

PRODUCT ACCESSORIES

Models	Description	Code	Product
	C 1.5 Electronic speed controller 1.5 A	12966	11201 - 11202 - 11301 - 11302 - 11401 - 11402
	SCNRB Electronic speed controller built-in	12971	11201 - 11202 - 11301 - 11302 - 11401 - 11402
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966
	GA 12V	22150 22151	11203 - 11223
	F 100/4" Kit to window-mount	22131	for all products
	F 120/5" Kit to window-mount	22132	for all products (except 11203 - 11223)
	F 150/6" Kit to window-mount	22133	for all products (except 11203 - 11223)
	S 100/4" Ceiling kit	22154	11150 - 11153 - 11201 - 11202 - 11203 - 11211 - 11212 - 11681 - 11682 - 11221 - 11222 - 11223 - 11231 - 11232 - 11683 - 11684 - 11616
	S 120/5" Ceiling kit	22155	11301 - 11302 - 11311 - 11312 - 11781 - 11782 - 11321 - 11322 - 11331 - 11332 - 11789 - 11784 - 11692
	S 150/6" Ceiling kit	22156	11401 - 11402 - 11411 - 11412 - 11881 - 11882 - 11421 - 11422 - 114231 - 11432 - 11883 - 11884 - 11698

Description and sizes on page 126; System components on page 330.

Kit to window-mount



Will allow any Vortice® Punto unit to be fitted to any single or double glazed window.

- The data and performances for the product + kit are IMQ Performance certified.
- The kit consists of closed-cell, expanded-polyethylene gasket and external grille, intermediate flange fitting, spacer, and a anti-UV-threaded ABS ring.
- Glass thickness: 2/3 mm (min) - 17/20 mm (max).
- Insulation class: II.

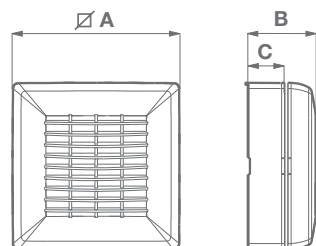


Rubber ceiling kit	code
S 100/4"	22154
S 120/5"	22155
S 150/6"	22156

Dimensions (mm)

- Made of soft rubber to prevent water infiltration and to maintain IPX4 protection on all surfaces.

Models	Kit	V~50Hz	W	A	RPM	Max Airflow		Lp dB(A) 3 m	Max °C
						m³/h	l/s		
M 100/4"	F 100/4"	230-240	18	0.1	2300	85	23.6	38	50
M 120/5"	F 120/5"		20	0.12	2000	140	38.9	40.5	
M 150/6"	F 150/6"		30	0.15	1950	280	77.8	44.5	



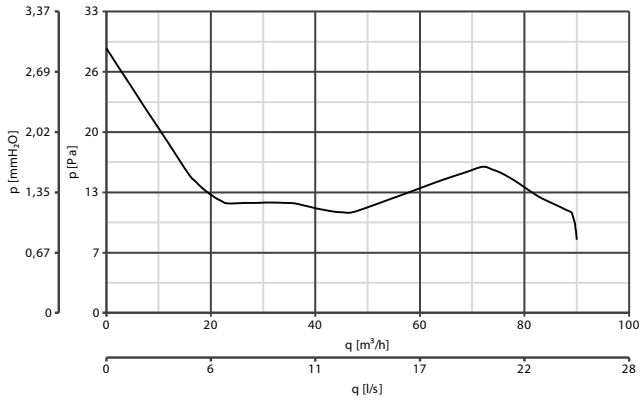
Models	∅A	B	C	∅ glass hole	thickness
M 100/4"	158	69	22	123 ÷ 128	20
M 120/5"	179	80	33	143 ÷ 128	
M 150/6"	213	87	40	178 ÷ 183	

Dimensions (mm)

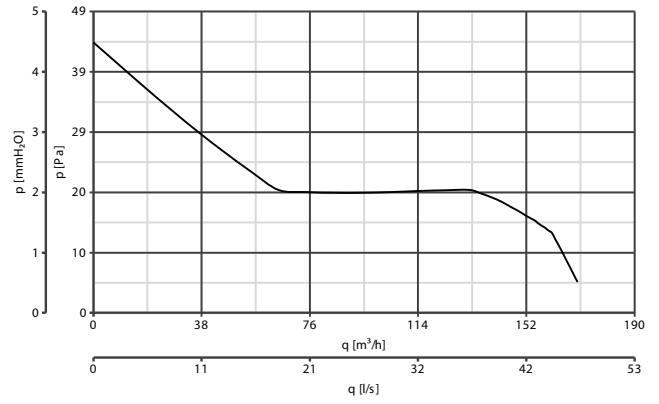


PERFORMANCE CURVES

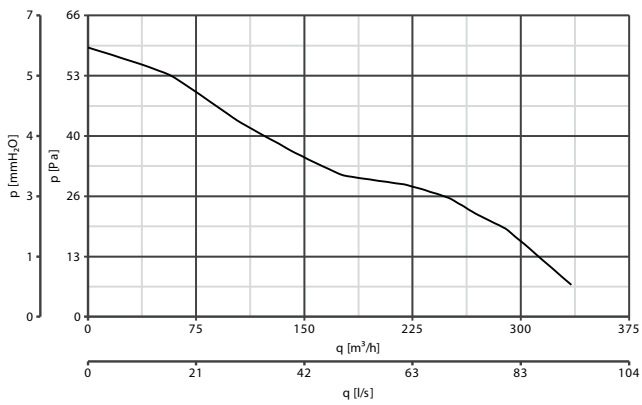
M 100/4" code 11201
M 100/4" code 11203



M 120/5" code 11301



M 150/6" code 11401



— static pressure

NEW



LONG LIFE 30.000 h

PUNTO EVO RANGE

Wall axial fans

Suitable for wall and ceiling installation; designed for stile air extraction through walls or short ducts.



- **5 versions: Standard, Timer (T), Advanced Timer (TP), Humidity control (HCS), Infrared motion sensor (PIR).**
- 2 nominal diameters: 100 mm and 120 mm.
- 2 speeds.
- Shock-proof, UV resistant, ABS made enclosures.
- Helico-centrifugal mixed-flow impellers made of PP resin.
- Motor carriers with airfoil flow straighteners.
- Impellers and motor holder specifically designed for high performance, low power consumption and low noise emissions.
- Integrated butterfly backdraught shutter designed to prevent unwanted air inflows when the appliance is switched off.
- Long-life ball-bearing motors guaranteed for 30,000 hours continuous trouble-free operation.
- Designed to provide a low environmental impact, using recyclable materials and following the new "Design for Disassembly" technique to achieve easy and environmentally friendly disposal of components.
- Short mounting depth, ideal for installations close to 90° (elbow) pipe bends.
- Protection rating: IP45 suitable for installation in zone 1.
- Insulation class: II. □



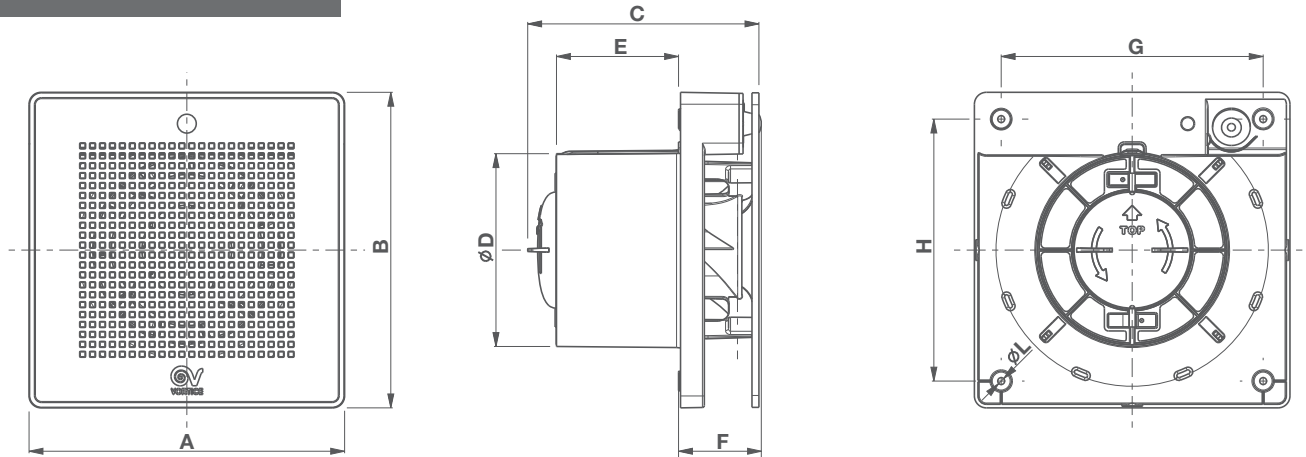
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code	V ~ 50 Hz	W	A	RPM	Max Airflow		Max Pressure		Lp dB(A)	Lw dB(A)	°C Max
			min/max	min/max	min/max	m³/h min/max	l/s min/max	mmH₂O min/max	Pa min/max	3m min/max	min/max	
ME 100/4" LL	11260	230	5 - 9	0.039 - 0.052	1700 - 2240	65 - 95	18.1 - 26.4	2.5 - 4.7	24.52 - 46.09	20.8 - 26.9	41.3 - 47.4	50
ME 100/4" LL TP	11261											
ME 100/4" LL TP HCS	11262											
ME 100/4" LL T PIR	11263											
ME 100/4" LL T	11264											
ME 120/5" LL	11270		10 - 13	0.060 - 0.080	1490 - 2070	120 - 175	33.3 - 48.6	2.3 - 5	22.56 - 49.04	24.0 - 32.3	44.5 - 52.8	
ME 120/5" LL TP	11271											
ME 120/5" LL TP HCS	11272											
ME 120/5" LL T PIR	11273											
ME 120/5" LL T	11274											



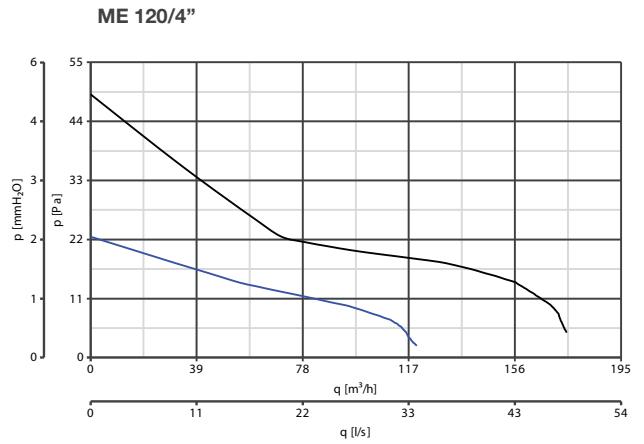
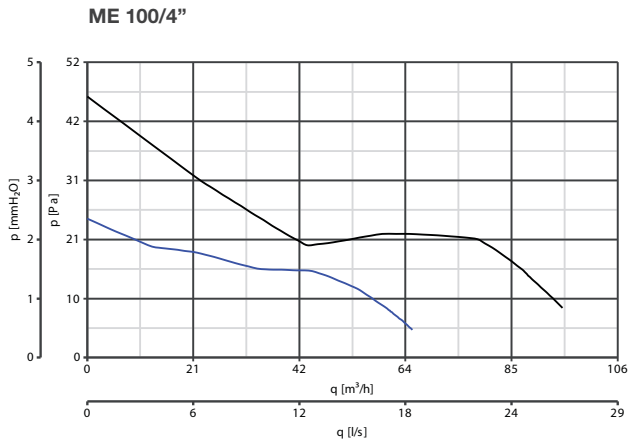
DIMENSIONS



Models	A	B	C	ØD	E	F	G	H	ØL	Kg
ME 100/4"	159	159	116.5	98	61.5	40.5	132	132	3.5	0.60
ME 100/4" PIR			118			42				
ME 120/5"	179	179	127	118	71	42.5	152	152		0.77
ME 120/5" PIR			128.5			44				

Dimensions (mm)

PERFORMANCE CURVES



— min — max



PUNTO FILO RANGE

Wall axial fans

For intermittent or continuous ventilation of bathrooms, toilets, kitchens or utility rooms in domestic or commercial properties.



Design: F. Trabucco & Associates

- **17 models:** from 90 to 150 diameters, standard, timer, long life versions.
- Integral backdraught shutter: already installed on the appliance, it prevents unwanted air from getting back in when the appliance is switched off.
- Very silent.
- Quick and easy installation.
- Eco-Friendly: it guarantees a low environmental impact.
- Only 17 mm thickness.
- **Punto Filo T-HCS:** 3 models.
Adjustable RH threshold at 60%, 70%, 80%, 90% by mean of a slide switch during installation.
- Protection rating: IPX4.
- Insulation class: II.

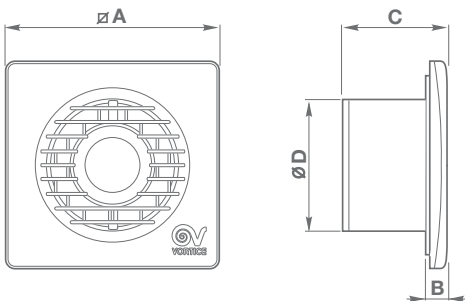


Wiring diagrams shown from page 458

TECHNICAL DATA

Models	V~50Hz	W	A	RPM	Max Airflow		Max Pressure		Lp dB(A) 3m	Max °C
					m³/h	l/s	mmH₂O	Pa		
MF 90/3.5"	230 - 240	14	0.08	2500	65	18	2.5	25	28.8	50
MF 100/4"		15	0.09	2400	85	24	3	29	31	
MF 120/5"		20	0.12	2150	175	49	5	49	34.4	
MF 150/6"		28	0.15	2100	335	93	6	59	40.1	

DIMENSIONS






Models	∅A	B	C	∅D	Kg
MF 90/3.5"	159	17	77	92.5	0.50
MF 100/4"				98	0.51
MF 120/5"	179		89	119	0.61
MF 150/6"	214		96	156	0.97

Dimensions (mm)



Punto Filo		STANDARD	LONG LIFE 30.000 h
Ø90	Basic	11122	-
	Timer	11126	-
Ø100	Basic	11123	11131
	Timer	11127	11135
	Timer PIR	-	11185
	Timer HCS	-	11139
Ø120	Basic	11124	11132
	Timer	11128	11136
	Timer PIR	-	11186
	Timer HCS	-	11149
Ø150	Basic	11125	11133
	Timer	11129	11137
	Timer PIR	-	11187
	Timer HCS	-	11176

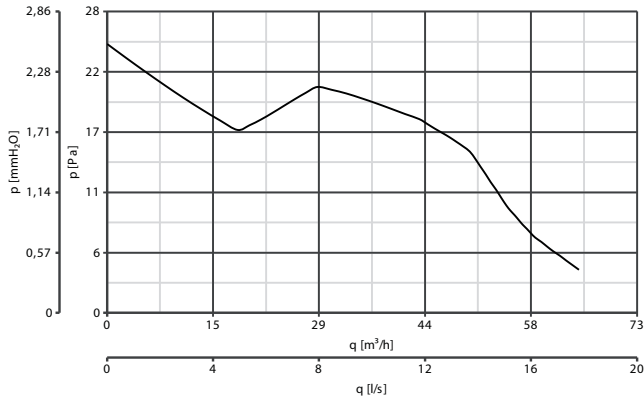
PRODUCT ACCESSORIES

Models		Code	Product																				
			MF 90/3.5" Code 11122	MF 90/3.5" T Code 11126	MF 100/4" Code 11123	MF 100/4" LL Code 11131	MF 100/4" T Code 11127	MF 100/4" T LL Code 11135	MF 100/4" T P LL Code 11185	MF 100/4" T-HCS LL Code 11135	MF 120/5" Code 11124	MF 120/5" LL Code 11132	MF 120/5" T Code 11128	MF 120/5" T LL Code 11136	MF 120/5" T P LL Code 11149	MF 120/5" T-HCS LL Code 11136	MF 150/6" Code 11125	MF 150/6" LL Code 11133	MF 150/6" T Code 11129	MF 150/6" T LL Code 11137	MF 150/6" T P LL Code 11187	MF 150/6" T-HCS LL Code 11176	
	C 1.5 Electronic speed controller 1.5 A	12966	●		●	●					●	●					●	●					
	SCB KIT Built-in controller adaptor for C 1.5	22481																					
	SF 90-100 Ceiling kit Ø 90-100	22162	●	●	●	●	●	●	●	●													
	SF 120 Ceiling kit Ø 120	22163									●	●	●	●	●	●							
	SF 150 Ceiling kit Ø 150	22164															●	●	●	●	●	●	●

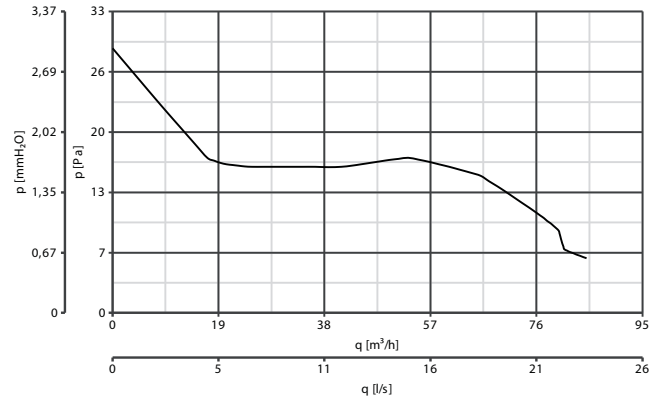
Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

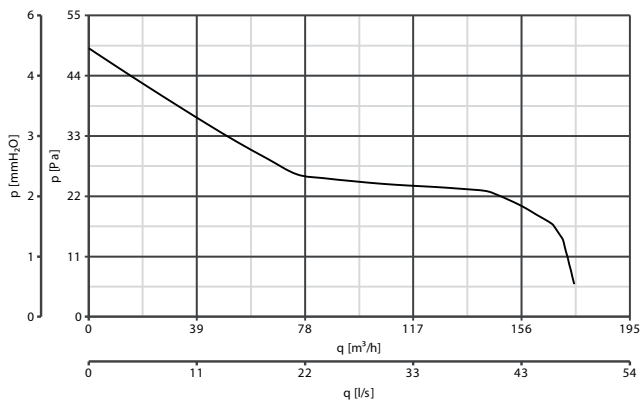
MF 90/3.5"



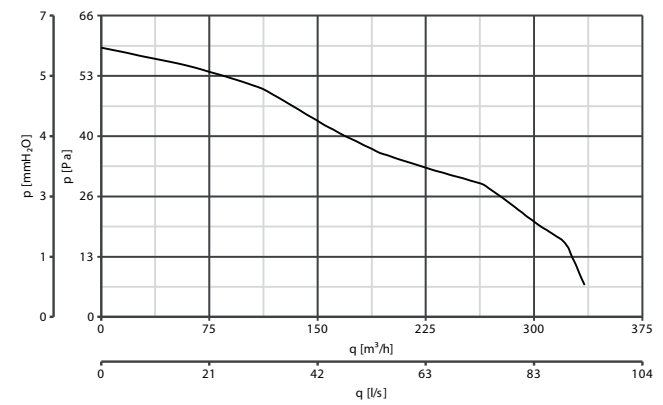
MF 100/4"



MF 120/5"



MF 150/6"



— static pressure



VORTICE® VARIO RANGE

Wall/window axial fans



Design: F. Trabucco & Associates



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....

- **10 models:** from 150 to 230 diameters, long life, Pull Cord and automatic reversible.
- Body made of shock-resistant ABS plastic anti-UV.
- Structural components in UV resistant ABS, internal components from shock resistant PS.
- 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.
- Extremely low noise emission.
- Model for installation on glass/panel/wall.
- Ceiling installation and wall installation.
- Protection rating: IPX4.
- Insulation class: II. □

Wiring diagrams shown from page 458

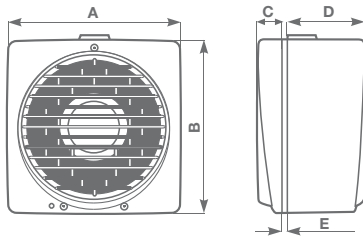
TECHNICAL DATA

Models	Code	V ~ 50/60 Hz	W	A	RPM	Max Airflow		Lp dB(A) 3 m	Max °C
						m³/h	l/s		
VORTICE 150/6" AR	12612	220 - 240	25	0.11	1340** 2040*	235** 150*	65.3** 41.7*	37.5	50
VORTICE 150/6" AR LL S	12615		35	0.17	2110** 2520*	380** 215*	105.6** 59.7*	49.6	50
VORTICE 150/6" P	12611		18	0.10	1340	235	65.3	37.5	50
VORTICE 150/6" P LL S	12614		32	0.16	2110	380	105.6	46.9	50
VORTICE 230/9" AR	12452		26	0.13	790** 1080*	480** 310*	133** 86*	35.6	50
VORTICE 230/9" AR LL S	12455		35 (50 Hz) 40 (60 Hz)	0.19	1200** 1300*	700** 370*	194.4** 102.8*	43.6	50
VORTICE 230/9" P	12451		22	0.10	790	480	133	35.6	50
VORTICE 230/9" P LL S	12454		32 (50 Hz) 38 (60 Hz)	0.18	1200	700	194.4	43.6	50
VORTICE 300/12" AR	12412		45	0.21	840** 1085*	1050** 700*	292** 194.4*	40.2	50 (50 Hz) 40 (60 Hz)
VORTICE 300/12" AR LL S	12415		75 (50 Hz) 90 (60 Hz)	0.41	1215** 1280*	1650** 920*	458.3** 255.6*	53.6	

* Extract; ** Intake.



DIMENSIONS



Models	∅A	B	C	D	E min/max	hole dia∅	Kg
VORTICE 150/6"	215	218	31	97.5	2/38	185÷190	2.07
VORTICE 230/9"	294	297	31	130	2/38	257÷262	3.45
VORTICE 300/12"	390	393	31	147	2/38	324÷329	6.13

Dimensions (mm)

EASY AND QUICK TO INSTALL

The whole range is manufactured to match high technology specifications and provide ease of installation. Based on this practical approach all installation procedures are significantly simplified to reduce time and save money during set-up and installation.

HIGH FLEXIBILITY

Vortice Vario fans are designed to provide high flexibility and a wide choice of applications in order to satisfy even the most demanding requirements.



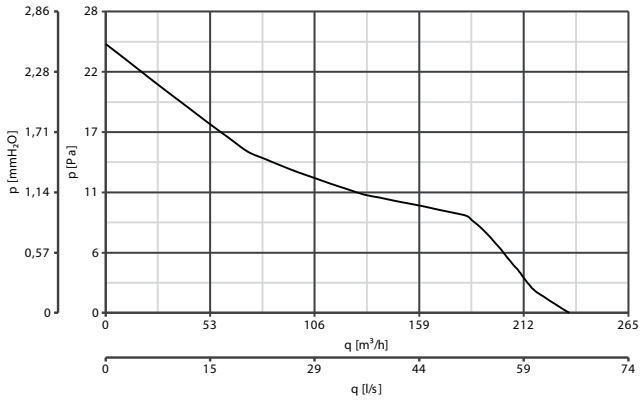
PRODUCT ACCESSORIES

Models		Code	Product									
			VORTICE 150/6" AR code 12612	VORTICE 150/6" AR LL S code 12615	VORTICE 150/6" P code 12611	VORTICE 150/6" P LL S code 12614	VORTICE 230/9" AR code 12452	VORTICE 230/9" AR LL S code 12455	VORTICE 230/9" P code 12451	VORTICE 230/9" P LL S code 12454	VARIO 300/12" AR code 12412	VORTICE 300/12" AR LL S code 12415
	CR5 Reversible 5 speeds controller	12943	●	●	●	●	●	●	●	●	●	●
	CR5N Reversible 5 speeds controller	12941	●	●	●	●	●	●	●	●	●	●
	CREN Reversible 5 speeds controller	12944	●	●	●	●	●	●	●	●	●	●
	C HCS Environmental sensor for humidity	12994	●	●	●	●	●	●	●	●	●	●
	C PIR Passive infrared sensor	12998	●	●	●	●	●	●	●	●	●	●
	C SMOKE Environmental sensor for air quality	12993	●	●	●	●	●	●	●	●	●	●
	C TEMP Environmental sensor for temperature	12992	●	●	●	●	●	●	●	●	●	●
	C TIMER Adjustable over-run timer	12999	●	●	●	●	●	●	●	●	●	●

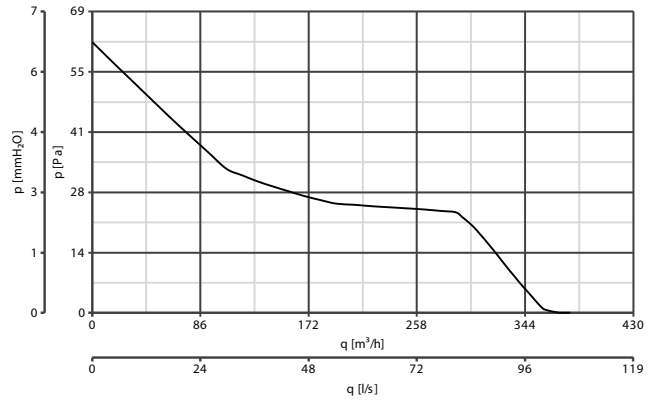
Description and sizes on page 98
System components on page xxxx

PERFORMANCE CURVES

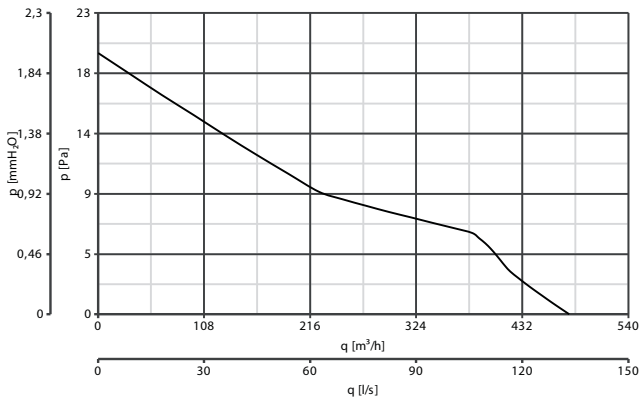
VORTICE 150/6" AR code 12612
VORTICE 150/6" P code 12611



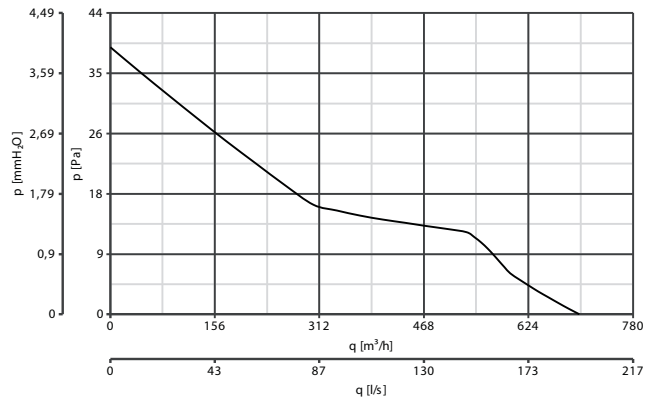
VORTICE 150/6" AR LL S code 12615
VORTICE 150/6" P LL S code 12614



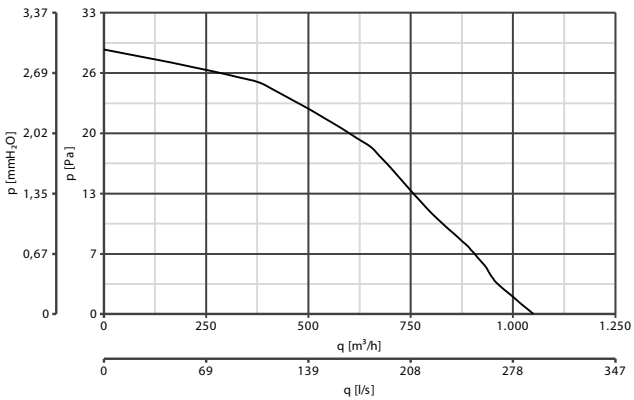
VORTICE 230/9" AR code 12452
VORTICE 230/9" P code 12451



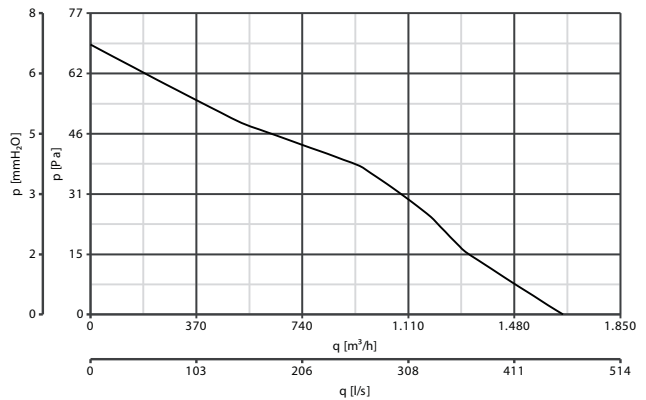
VORTICE 230/9" AR LL S code 12455
VORTICE 230/9" P LL S code 12454



VORTICE 300/12" AR code 12412



VORTICE 300/12" AR LL S code 12415





LONG LIFE 30.000 h

VORTICE® VARIO I RANGE

Flush mounted axial fans



Design: F. Trabucco & Associates



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 230 diameters, Long life, Pull cord and automatic reversible.
- Flush mounting.
- Body made of shock-resistant ABS plastic anti-UV.
- Structural components in UV resistant ABS, internal components from shock resistant PS.
- 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.
- Extremely low noise emission.
- Model for installation on glass/panel/wall.
- Ceiling installation and wall installation.
- Protection rating: IPX4.
- Insulation class: II. □

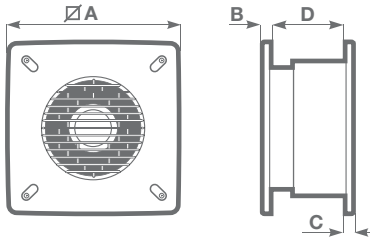
TECHNICAL DATA

Models	Code	V ~ 50/60 Hz	W	A	RPM	Max Airflow		Lp dB(A) 3 m	Max °C
						m³/h	l/s		
VORTICE 150/6" ARI	12613	220 - 240	25	0.11	1330* 1880**	220* 130**	61.1* 36.1**	38.2	50
VORTICE 150/6" ARI LL S	12616	220 - 240	35	0.17	2080* 2460**	350* 200**	97.2* 55.6**	49.1	50
VORTICE 230/9" ARI	12453	220 - 240	26	0.13	810* 1080**	450* 300**	125* 83.3**	35.7	50
VORTICE 230/9" ARI LL S	12456	220 - 240	35 (50 Hz) 40 (60 Hz)	0.19	1160* 1260**	680* 350**	188.9* 97.2**	45.3	50
VORTICE 300/12" ARI	12413	220- 240	45	0.21	850* 1150**	1200* 850**	333.3* 236.1**	40.7	50 (50 Hz) 40 (60 Hz)
VORTICE 300/12" ARI LL S	12416	220 - 240	75 (50 Hz) 90 (60 Hz)	0.41	1230* 1310**	1750* 1000**	486.1* 277.7**	53.5	

* Extract; ** Intake.



DIMENSIONS



Models	∅A	B	C	D	E min/max	hole dia ∅	Kg
VORTICE 150/6" ARI	300	9.5	10.5	135	260÷265	2.52	2.07
VORTICE 230/9" ARI	400	10	11	180	335÷340	3.88	3.45
VORTICE 300/12" ARI	495	10.5	11.5	210	435÷440	7.2	6.13

Dimensions (mm)

EASY AND QUICK TO INSTALL

The whole range is manufactured to match high technology specifications and provide ease of installation. Based on this practical approach all installation procedures are significantly simplified to reduce time and save money during set-up and installation.

HIGH FLEXIBILITY

Vortice Vario fans are designed to provide high flexibility and a wide choice of applications in order to satisfy even the most demanding requirements.



PRODUCT ACCESSORIES

Models		Code	Product					
			VORTICE 150/6" ARI code 12613	VORTICE 150/6" ARI LL S code 12616	VORTICE 230/9" ARI code 12453	VORTICE 230/9" ARI LL S code 12456	VORTICE 300/12" ARI code 12413	VORTICE 300/12" ARI LL S code 12416
	CR5 Reversible 5 speeds controller	12943	●	●	●	●	●	●
	CR5N Reversible 5 speeds controller	12941	●	●	●	●	●	●
	CREN Reversible 5 speeds controller	12944	●	●	●	●	●	●
	C HCS Environmental sensor for humidity	12994	●	●	●	●	●	●
	C PIR Passive infrared sensor	12998	●	●	●	●	●	
	C SMOKE Environmental sensor for air quality	12993	●	●	●	●	●	●
	C TEMP Environmental sensor for temperature	12992	●	●	●	●	●	●
	C TIMER Adjustable over-run timer	12999	●	●	●	●	●	●

Description and sizes on page 126; System components on page 330.

ACCESSORIES ON REQUEST FOR VORTICE VARIO AND VORTICE VARIO I

Models	Code	Product															
		VORTICE 150/6" AR code 12612	VORTICE 150/6" AR LL S code 12615	VORTICE 150/6" P code 12611	VORTICE 150/6" P LL S Codigo 12614	VORTICE 230/9" AR code 12452	VORTICE 230/9" AR LL S code 12455	VORTICE 230/9" P code 12451	VORTICE 230/9" P LL S code 12454	VORTICE 300/12" AR code 12412	VORTICE 300/12" AR LL S code 12415	VORTICE 150/6" ARI code 12613	VORTICE 150/6" ARI LL S code 12616	VORTICE 230/9" ARI code 12653	VORTICE 230/9" ARI LL S code 12456	VORTICE 300/12" ARI code 12413	VORTICE 300/12" ARI LL S code 12416
KIT MU Wall mounting kit with rods	13018	●	●	●	●	●	●	●	●	●	●						
Kit FF 150/6" Double opening window kit, Mod. 150/6" (including special flanges for protective grille holder and double window, gaskets for grille and flange, protective grille, duct and fixings)	13024	●	●	●	●												
Kit FF 230/9" Double opening window kit, Mod. 230/9" (including special flanges for protective grille holder and double window, gaskets for grille and flange, protective grille, duct and fixings)	13025					●	●	●	●								
KIT FF 300/12" Double opening window kit, Mod. 300/12" (including special flanges for protective grille holder and double window, gaskets for grille and flange, protective grille, duct and fixings)	13026									●	●						
KIT VV 150/6" Double opening window, secondary-glazed kit, Mod. 150/6" (including special flanges for protective grille holder and secondary glazing, gaskets for grille and window, protective grille, duct, nuts and screws)	13021	●	●	●	●												
KIT VV 230/9" Double opening window, secondary-glazed kit, Mod. 230/9" (including special flanges for protective grille holder and secondary glazing, gaskets for grille and window, protective grille, duct, nuts and screws)	13022					●	●	●	●								
KIT VV 300/12" Double opening window, secondary-glazed kit, Mod. 300/12" (including special flanges for protective grille holder and secondary glazing, gaskets for grille and window, protective grille, duct, nuts and screws)	13023									●	●						
KIT TE 150/6" Capucha de Techo/Kit deflector de viento Mod. 150/6" (incluyendo capucha de techo externa y base, juntas, collar roscado y anillos intermedios)	13001	●	●	●	●												
KIT TE 230/9" Roof Cowl/Wind Baffle kit, Mod. 150/6" (including external roof cowl and base, gasket, threaded collar and intermediate rings)	13002					●	●	●	●								
KIT TE 300/12" Roof Cowl/Wind Baffle kit, Mod. 300/12" (including external roof cowl and base, gasket, threaded collar and intermediate rings)	13003									●	●						
KIT ML 150/6" Deep wall installation kit, Mod. 150/6" (including flush-mounting frame, feet, duct)	13015											●	●				

Models	Code	Product															
		VORTICE 150/6" AR code 12612	VORTICE 150/6" AR LL S code 12615	VORTICE 150/6" P code 12611	VORTICE 150/6" P LL S Codigo 12614	VORTICE 230/9" AR code 12452	VORTICE 230/9" AR LL S code 12455	VORTICE 230/9" P code 12451	VORTICE 230/9" P LL S code 12454	VORTICE 300/12" AR code 12412	VORTICE 300/12" AR LL S code 12415	VORTICE 150/6" ARI code 12613	VORTICE 150/6" ARI LL S code 12616	VORTICE 230/9" ARI code 12653	VORTICE 230/9" ARI LL S code 12456	VORTICE 300/12" ARI code 12413	VORTICE 300/12" ARI LL S code 12416
KIT ML 230/9" Deep wall installation kit, Mod. 230/9" (including flush-mounting frame, feet, duct)	13016													•	•		
Kit ML 300/12" Deep wall installation kit, Mod. 300/12" (including flush-mounting frame, feet, duct)	13017															•	•
Kit SO 150/6" - 230/9" Ceiling, false ceiling and panel kit. Mod. 150/6" and 230/9" (including 4 ceiling brackets - M5 X 70 - M5 X 30 screws - springs - washers)	13012											•	•	•	•		
Kit SO 300/12" Ceiling, false ceiling and panel kit. Mod. 300/12" (including 4 ceiling brackets - M5 X 70 - M5 X 30 screws - springs - washers)	13014															•	•
Kit TC 150/6" Spigot Plate for remote application, Mod. 150/6" (including flange for duct, coupling gasket, 4 nuts, 4 screws, M4 X 20/M4 X 50)	13027											•	•				
Kit TC 230/9" Spigot Plate for remote application, Mod. 230/9" (including flange for duct, coupling gasket, 4 nuts, 4 screws, M4 X 20/M4 X 50)	13028													•	•		
Kit TC 300/12" Spigot Plate for remote application, Mod. 300/12" (including flange for duct, coupling gasket, 4 nuts, 4 screws, M4 X 20/M4 X 50)	13029															•	•
Kit SA 230/9" Darkroom cowl kit, Mod. 230/9" (darkroom and intermediate rings, external baffle and base, gasket, mesh) - UV stabilized material, painted with dark, non-reflective paint	13004											•	•	•	•	•	•

	Number of required kits	VORTICE 150/6" AR Code 12612	VORTICE 150/6" AR LL S Code 12615	VORTICE 150/6" P Code 12611	VORTICE 150/6" P LL S Code 12614	VORTICE 230/9" AR Code 12452	VORTICE 230/9" AR LL S Code 12455	VORTICE 230/9" P Code 12451	VORTICE 230/9" P LL S Code 12454	VORTICE 300/12" AR Code 12412	VORTICE 300/12" AR LL S Code 12415	VORTICE 150/6" ARI Code 12613	VORTICE 150/6" ARI LL S Code 12616	VORTICE 230/9" ARI Code 12653	VORTICE 230/9" ARI LL S Code 12456	VORTICE 300/12" ARI Code 12413	VORTICE 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



SINGLE AND DOUBLE-GLAZED WINDOW



Models	Kit required ¹	Thickness min/max
150/6"	none	3÷38
230/9"		3÷38
300/12"		3÷38

ROOF MOUNTING ON WINDOW / PANEL



Models	Kit required
150/6"	13001
230/9"	13002
300/12"	13003

DOUBLE-GLAZED (OPENING) WINDOW



Models	Kit required ²	Thickness min/max
150/6"	13021	30÷43
230/9"	13022	
300/12"	13023	

WINDOW/PANEL MOUNTING WITH EXTERNAL COWL AS A WIND BAFFLE



Models	Kit required
150/6"	13001
230/9"	13002
300/12"	13003

DOUBLE (OPENING) WINDOW SECONDARY-GLAZED



Duct not included.

Models	Kit required ³	Thickness min/max
150/6"	13024	230÷300
230/9"	13025	
300/12"	13026	

WALL MOUNTING FOR REMOTE APPLICATION



Duct not included.

Models	Kit required
150/6"	13001 + 13018 + 2 items 13027
230/9"	13002 + 13018 + 2 items 13028
300/12"	13003 + 13018 + 2 items 13029

WALL MOUNTING



Models	Kit required ⁴	Thickness min/max
150/6"	13018	38÷300
230/9"		
300/12"		

WALL MOUNTING WITH EXTERNAL COWL AS A WIND BAFFLE



Models	Kit required ⁴	Thickness min/max
150/6"	13001 + 13018	31 ÷ 300
230/9"	13002 + 13018	
300/12"	13003 + 13018	

PANEL / WALL MOUNTING WITH DARKROOM COWL

Models	Kit required ⁴
230/9"	Panel: 13004 Wall: 13004 + 13018,

(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.

For built-in models

BUILT-INWALL MOUNTING



Models	Kit required ⁵	Thickness
150/6"	none	135
230/9"		180
300/12"		210

BUILT-IN DEEP WALL MOUNTING

Models	Kit required	Thickness min/max
150/6"	13015	260 ÷ 460
230/9"	13016	320 ÷ 500
300/12"	13017	375 ÷ 550

BUILT-IN PANEL, CEILING AND FALSE CEILING MOUNTING



Models	Kit required
150/6"	13012
230/9"	13012
300/12"	13014

BUILT-IN WALL MOUNTED FOR REMOTE APPLICATION



Duct not included.

Models	Kit required
150/6"	13027 + 13012 + 13015
230/9"	13028 + 13012 + 13016
300/12"	13029 + 13014 + 13017

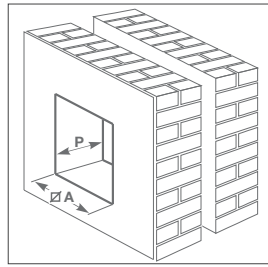
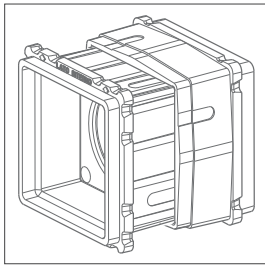
BUILT-IN ROOF MOUNTED FOR REMOTE APPLICATION



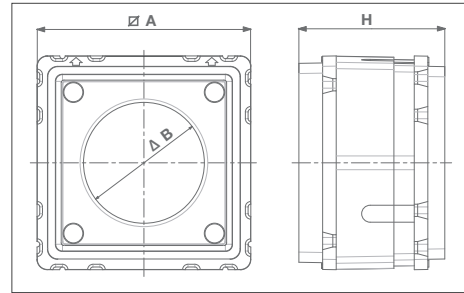
Models	Kit required
150/6"	13001 + 13027 + 13012
230/9"	13002 + 13028 + 13012
300/12"	13003 + 13029 + 13014

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

TELESCOPIC FRAME FORWALL MOUNTED MODELS



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

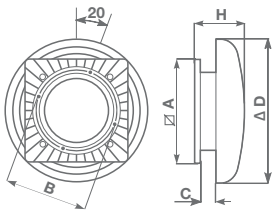


Models	∅ A	P (min)	P (max)
150/6"	325	220	330
230/9"	400	220	330
300/12"	500	220	330

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

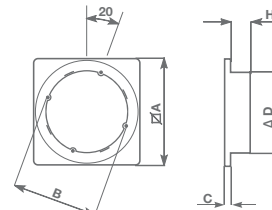
KIT AVAILABLE

Roof cowl kit



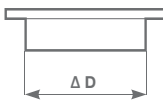
Models	Code	∅ A	B	C	∅ D	H
150/6"	13001	215	175	28	300	111
230/9"	13002	294	249	30	400	145
300/12"	13003	390	316	33	534	181

Spigot Plate



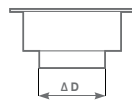
Models	Code	∅ A	B	C	∅ D	H
150/6"	13027	215	175	8	171	30
230/9"	13028	294	249	10	240	30
300/12"	13029	390	316	12	300	30

Duct diameter for Spigot Plate



Models	Code	∅ D
150/6"	13027	171
230/9"	13028	240
300/12"	13029	300

Duct diameter for flush mounting frame



Models	Code	∅ D
150/6"	13015	171
230/9"	13016	240
300/12"	13017	300

Diameter of PVC ducts

Light series for ventilation. Suitable for Vortice applications. With the following internal diameters.

Models	∅ D int	∅ D ext	thickness
150/6"	176	180	2
230/9"	245	250	2.5
300/12"	309	315	3

Diameter of aluminium ducts

Flexible. Suited for Vortice applications. With the following internal diameters.

Models	∅ D int
150/6"	171
230/9"	240
300/12"	300



K RANGE

In-line centrifugal fans for kitchen cabinet

Suitable for ventilation of up to two bathrooms or a single utility.



Design: F. Trabucco - M. Vecchi

- **2 models.**
- Induction motor with thermal protection.
- Fan provides high air flow rate combined with pressures suitable for the application, when long ducts are used.
- The Axial K model also has directional flow to eliminate air turbulence.
- Two speeds (Angol K).
- Special anti-vibration gasket for silent operation.
- Protection grille on the intake port.
- Simplified internal and external maintenance and cleaning.
- Protection rating: IPX2.
- Insulation class: II. □

Awards

1991 Italian Golden Compass honor award



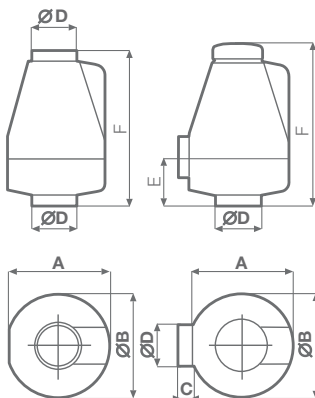
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code	V ~ 50 Hz	W	A min/max	RPM min/max	Max Airflow		Max Pressure		Lp dB(A)* 3 m min/max	Max °C
						m³/h min/max	l/s min/max	mmH₂O min/max	Pa min/max		
AXIAL K	10904	220 - 240	35	0.16	2560	135	37.5	17	167	41	40
ANGOL K	10204	220 - 240	40	0.12 - 0.20	1410 - 2180	86 - 140	23.9 - 38.9	13.5 - 17	132 - 157	33 - 43	

* Data refers to both speeds. Measurement taken in front of the intake port with outlet connected and unobstructed extraction. Conforms with ISO 3744 for noise and pressure levels.

DIMENSIONS



AXIAL K





ANGOL K

Models	A	Ø B	C	Ø D	E	F	Kg
AXIAL K	168	176	-	97	-	270	1.2
ANGOL K			25		93	281	1.27

Dimensions (mm)

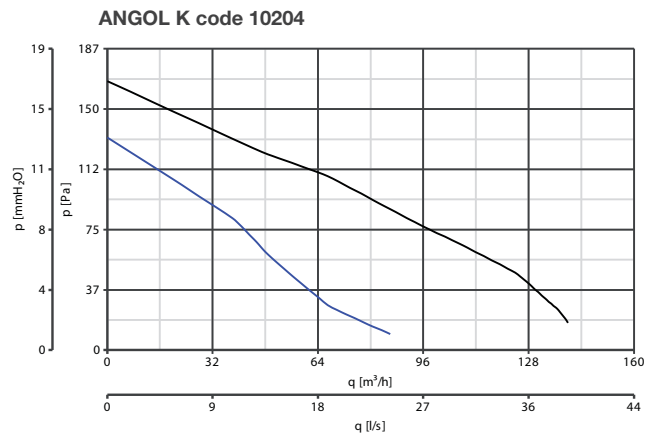
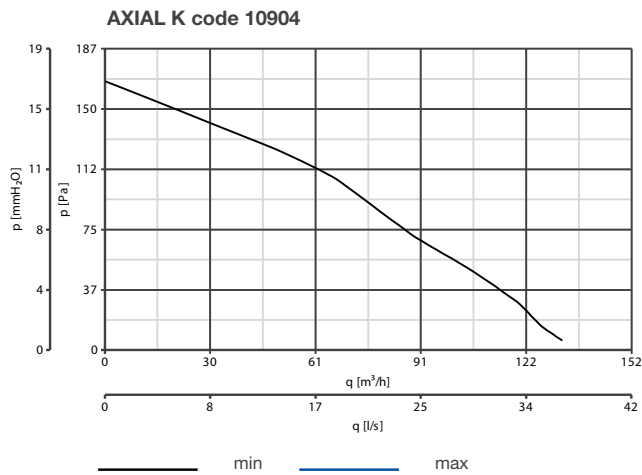


PRODUCT ACCESSORIES

Models		Code	Product	
			AXIAL K code 11904	ANGOL K code 11204
	C 1.5 Electronic speed controller 1.5 A	12966	●	●
	SCNRB Built-in non-reversible electronic speed controller	12971	●	●
	SCB KIT Built-in controller adaptor for C 1.5	22481	●	●
	AIR DEFLECTOR	22310	●	●
	CA-MU Galvanized sheet-metal brackets	22674	●	●

Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES





VORT RANGE

Centrifugal duct fans



Suitable for ventilation of medium-sized or large rooms in commercial premises plus bathrooms/showers/toilets/utilities and kitchens in domestic situations.

- **1 model.**
- Butterfly backdraught shutter to avoid air back-flow when the unit is turned off.
- Motor with thermal cut-out incorporated in a closed-type motor-holder (protecting against dust and humidity).
- The units have a high extraction to overcome pressure loss when long ducts are used.
- Vort Max comes with fittings for 100 and 120 mm dia. ducting.
- Removable, washable protection grille and anti-dust filter.
- Protection rating: IPX0.
- Insulation class: II. □

Design: F. Trabucco - M. Vecchi



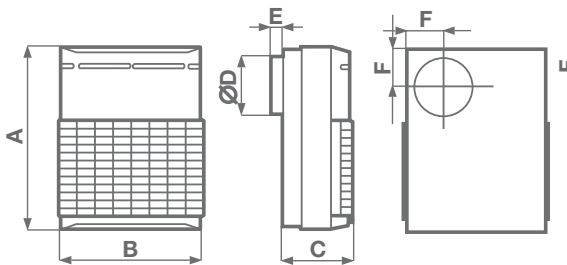
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code	V ~ 50 Hz	W	A	RPM	Max Airflow		Max Pressure		Lp dB(A)* 3 m	Max °C
						m³/h	l/s	mmH₂O	Pa		
VORT MAX S	11970	220 - 240	80	0.37	2200	Ø100 - 290 Ø120 - 370	80.6 102.8	44	432	-	40

* Conforms with ISO 3744 for noise and pressure levels.

DIMENSIONS






Models	A	Ø B	C	Ø D	E	F	Kg
VORT MAX S	406	305	149	100 120	25	75	3.0

Dimensions (mm)

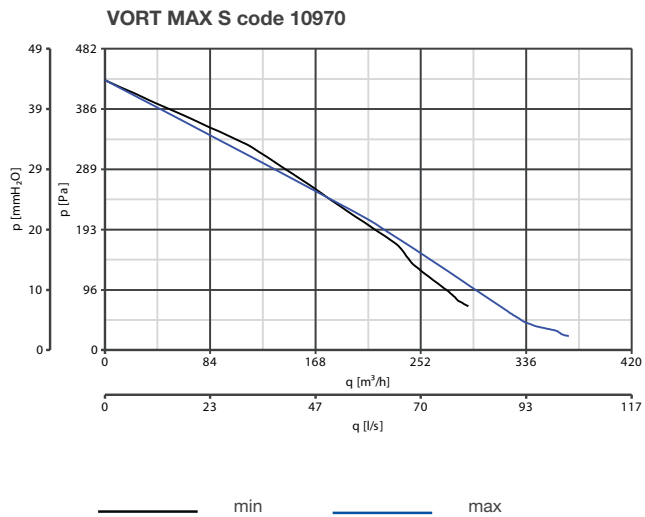


PRODUCT ACCESSORIES

Models		Code	Product
			VORT MAX S code 119/70
	C 1.5 Electronic speed controller 1.5 A	12966	●
	SCNRB Built-in non-reversible electronic speed controller	12971	●
	SCB KIT Built-in controller adaptor for C 1.5	22481	●
	M 10/4 Air deflector	22310	●
	M 15/5 Air deflector	22320	●

Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES





LONG LIFE 30.000 h

ARIETT RANGE

Centrifugal duct fans

For the ventilation of areas with intermittent use (small bathrooms, private or public toilets).



- **2 models.**
- Motor with shielded poles and ball bearings (guaranteed for 30,000 fault-free hours of operation) and thermal overload protection.
- The timer is adjustable from 3 to 20 min.
- Protection rating: IPX4.
- Insulation class: II. □

Wiring diagrams shown from page 458

Design: F. Trabucco - M. Vecchi

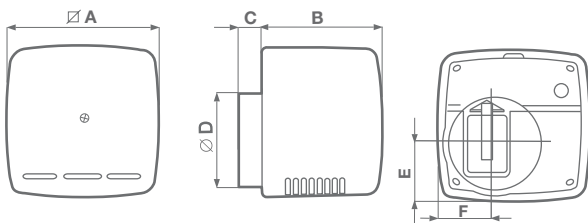


TECHNICAL DATA

Models	Code		V-50Hz	W	A	RPM	Max Airflow		Max Pressure		Lp dB(A)* 3m	Max °C
	BASIC	TIMER					m³/h	l/s	mmH₂O	Pa		
ARIETT LL	11965	11966	230	18	0.14	2315	70	19.4	12	118	40	40

* Conforms with ISO 3744 for noise and pressure levels.

DIMENSIONS






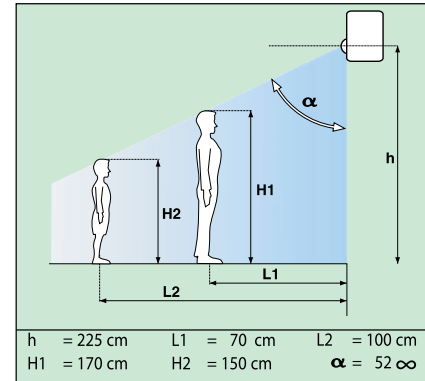
Models	A	B	C	Ø D	E	F	Kg
ARIETT LL	156	123	25	97	60	60	1.5
ARIETT LL T							

Dimensions (mm)



PRODUCT ACCESSORIES

Models	Code	Product		
		ARIETT LL code 11965	ARIETT LL T code 11966	
	C 1.5 Electronic speed controller 1.5 A	12966	●	-
	SCNRB Built-in non-reversible electronic speed controller	12971	●	-
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966	-
	M 10/4 Air deflector	22310	●	●

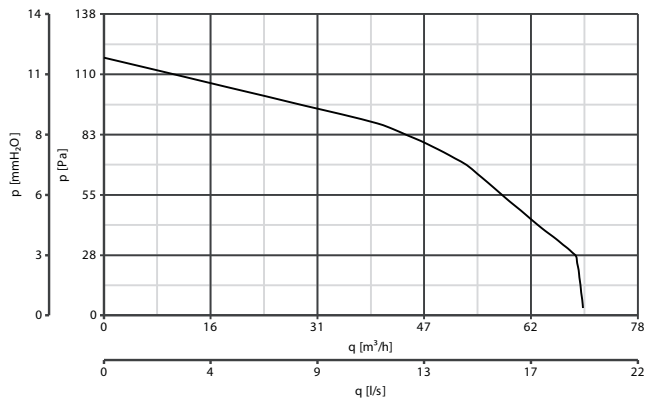


Activation range of PIR detector.

Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

ARIETT LL code 11965
 ARIETT LL T code 11966



— delivery



LONG LIFE 30.000 h

ARIETT HABITAT RANGE

Centrifugal duct fans



For continuous ventilation, with boost facility. Ideal for use in public sector housing in bathrooms, showers, utilities and toilets.

- **2 models:** Habitat 15/30 can be used to provide trickle ventilation for rooms housing open-flued combustion appliances.
- Two speeds.
- Motor with shielded poles and ball bearings (guaranteed for 30,000 fault-free hours of operation) and thermal overload protection.
- Low power consumption.
- Fully comply with F1 Building Regulations, plus 1.9D alternative approaches.
- Antivibration support gasket, used for mounting on tiled or uneven walls.
- Backdraught-shutter to avoid back flow when unit is turned off.
- Available only for model 15/30.
- 100 mm dia. outlet spigot.
- Complete with fixings.
- Protection rating: IPX4.
- Insulation class: II. □

Design: F. Trabucco - M. Vecchi



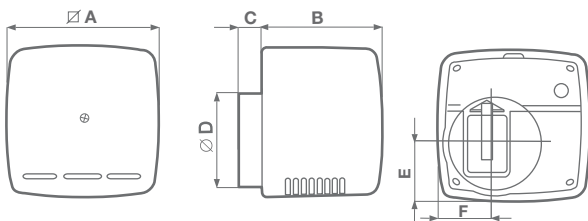
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code	V-50Hz	W min/max	A min/max	RPM min/max	Max Airflow		Max Pressure		Lp dB(A)* 1 m min/max
						m³/h min/max	l/s min/max	mmH₂O min/max	Pa min/max	
ARIETT HABITAT LL 15/30	12000	230	5 - 8	0.02 - 0.04	1260 - 1870	20 - 43	5.6 - 11.9	8 - 10	78 - 98	30 - 41.5
ARIETT HABITAT LL 20/75	12001		6 - 25	0.03 - 0.17	890 - 2470	27 - 85	7.5 - 23.6	8 - 12	78 - 118	30.5 - 51

* Conforms with ISO 3744 for noise and pressure levels.

DIMENSIONS






Models	A	B	C	Ø D	E	F	Kg
ARIETT LL	156	123	25	97	60	60	1.2
ARIETT LL T							1.4

Dimensions (mm)



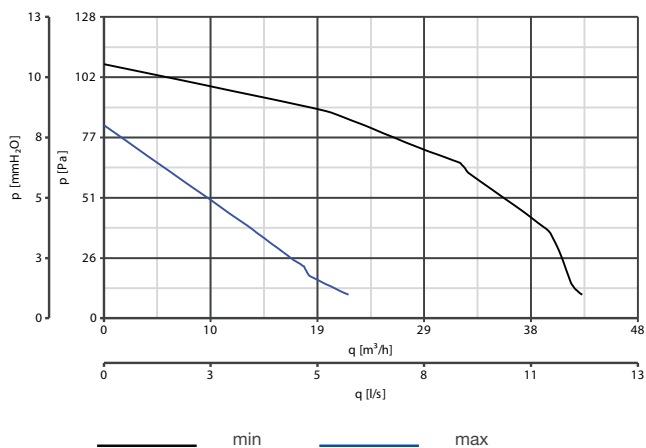
PRODUCT ACCESSORIES

Models		Code	Product	
			ARIETT HABITAT LL 15/30 code 12000	ARIETT HABITAT LL 20/75 code 12001
	C 1.5 Electronic speed controller 1.5 A	12966	●	-
	SCNRB Built-in non-reversible electronic speed controller	12971	●	-
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966	-
	M 10/4 Air deflector	22310	●	●

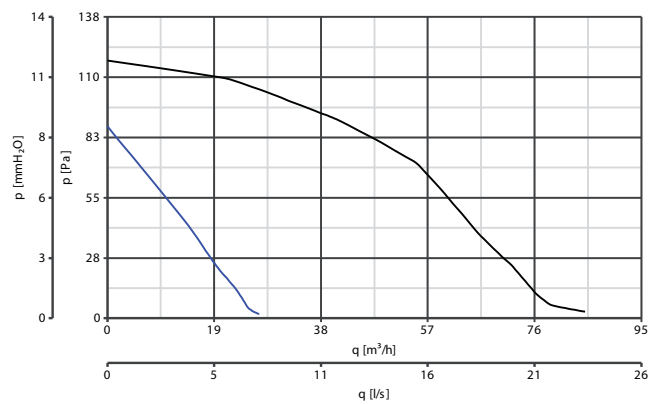
Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

ARIETT HABITAT LL 15/30 code 12000



ARIETT HABITAT LL 20/75 code 12001





LONG LIFE 30.000 h

ARIETT I RANGE

Centrifugal duct fans for flush mounting



Suitable for use in bathrooms, shower rooms and toilets.

- **2 models:** basic and timer version.
- Two speeds.
- Very silent.
- Vertical or horizontal extract points.
- All fans have the optional side or rear exit low profile connector, or high profile connector.
- The fans meet all necessary requirement of F1 building regulations.
- These have been specifically designed for ceilings where the void area is restricted, for example, downstairs or between floors. In addition, there is a choice of fixing kits available. A template is supplied to allow easy cutting of the access hole.
- Protection rating: IPX4.
- Insulation class: II. □

Design: F. Trabucco & Associates



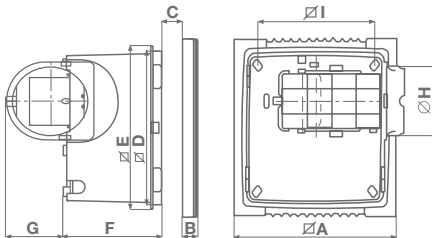
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code		V~50Hz	W	A	RPM	Max Airflow		Max Pressure		Max °C
	BASIC	TIMER					m³/h	l/s	mmH₂O	Pa	
ARIETT LL I	12010	12011	230	19	0.13	2360 ⁽¹⁾ 2460 ⁽²⁾	80 ⁽¹⁾ 70 ⁽²⁾	22.2 ⁽¹⁾ 19.4 ⁽²⁾	11	108	40

⁽¹⁾Rear air outlet. ⁽²⁾Side air outlet with high profile.

DIMENSIONS








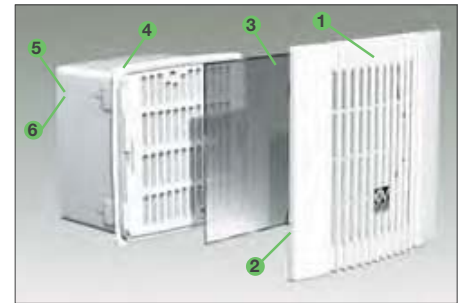
Models	∅A	B	C	∅D	∅E	F	G	∅H	∅I	L	M	Kg
ARIETT LL I	252	23	65	214.5	228	135.3	31.5/76.7	96.5	180	92	76	1.9

Dimensions (mm)



PRODUCT ACCESSORIES

Models		Code	Product	
			ARIETT LL I Code 12010	ARIETT LL I T Code 12011
	C 1.5 Electronic speed controller 1.5 A	12966	●	-
	SCNRB Built-in non-reversible electronic speed controller	12971	●	-
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966	-
	M 10/4 Air deflector	22310	●	●
	High profile connector	22841	●	●
	False-ceiling/wall installation kit	22823	●	●

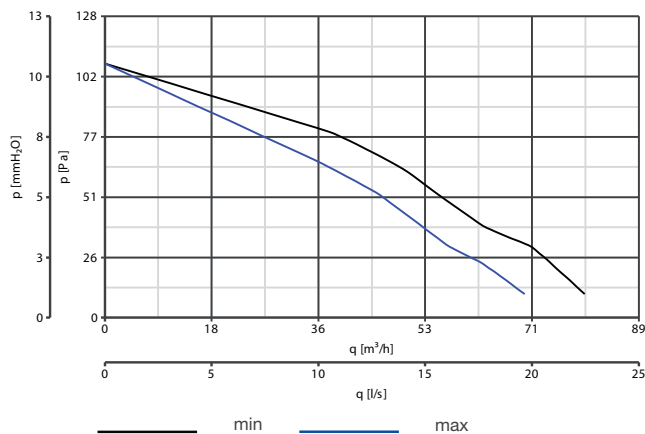


- 1-** Unobtrusive front grille.
- 2-** Support springs for the front grille, suitable for 65 mm max false ceilings.
- 3-** Metallic filter which can be removed and washed (dishwasher safe) (available on LL version models only).
- 4-** Made of rigid synthetic resin to guarantee high durability.
- 5-** 100 mm dia. Outlet spigot which can be positioned to the rear or side (using optional accessories).
- 6-** Backdraught-shutter to avoid back-flow when unit is turned off.

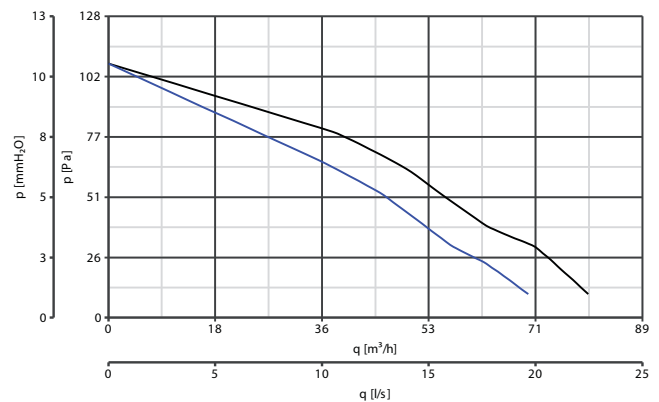
Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

ARIETT HABITAT LL 15/30 code 12010



ARIETT HABITAT LL 20/75 code 12011





LONG LIFE 30.000 h

VORT PRESS® RANGE

Centrifugal duct fans

For the ventilation of medium-sized rooms in commercial applications plus bathrooms, showers, toilets, utilities in domestic situations.



- **4 models:** basic and timer version.
- Double motor-fan housing, antivibration supports and backdraught shutter for silent operation.
- Two speeds.
- Motor with ball bearings (guaranteed 30,000 hours of continuous operation) with thermal cut-out.
- “Intelligent” timer turns the unit on for approximately 40 sec. after the activation. When switched off, the unit continues to operate at the minimum speed for between 30 sec. and 30 min. (depending on the setting).
- Protection rating: IPX4.
- Insulation class: II. □

Design: F. Trabucco - M. Vecchi



Spare Parts

- Metallic anti-dust filter.

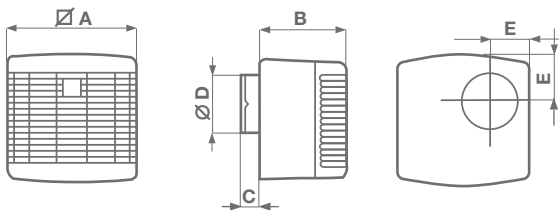
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code		V~50Hz	W min/max	A min/max	RPM min/max	Max Airflow		Max Pressure		Lp dB(A) 3 m min/max	Max °C
	BASIC	TIMER					m³/h min/max	l/s min/max	mmH₂O min/max	Pa min/max		
VORT PRESS 110 LL	11967	11968	220 - 240	12 24	0.07 0.22	925 1760	55 110	15.3 30.6	10 16	98 157	<30 41	40
VORT PRESS 220 LL	11977	11978		35 68	0.24 0.30	1200 2060	120 220	33.3 61.1	32 33	314 324	43 55	

Conforms with ISO 3744 for noise and pressure levels.

DIMENSIONS







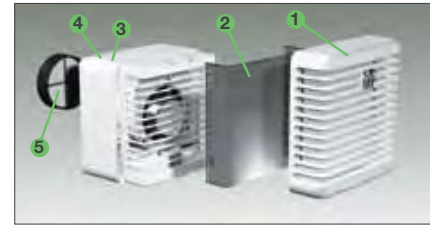
Models	∅A	B	C	∅D	E	Kg
VORT PRESS 110 LL	202	147	30	97	73	1.95
VORT PRESS 220 LL	275	140	28			2.3

Dimensions (mm)



PRODUCT ACCESSORIES

Models		Code	Product			
			VORT PRESS 110 LL code 11967	VORT PRESS 110 LL T code 11968	VORT PRESS 220 LL code 11977	VORT PRESS 220 LL T code 11978
	C 1.5 Electronic speed controller 1.5 A	12966	●		●	
	SCNRB Built-in non-reversible electronic speed controller	12971	●		●	
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966			
	M 10/4 Air deflector	22310	●	●	●	●

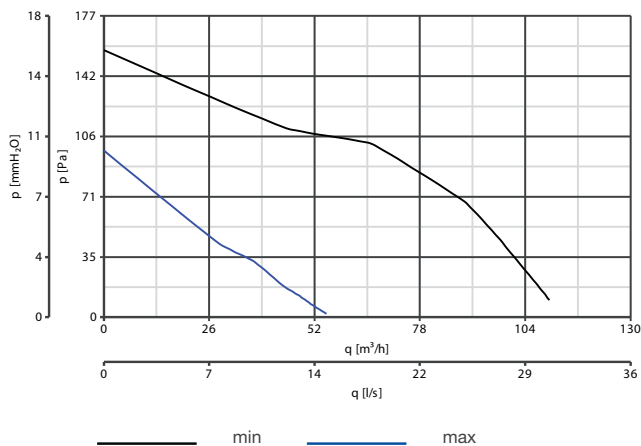


- 1- Front grille.
- 2- Metallic filter which can be removed and washed (dishwasher safe).
- 3- Made of rigid synthetic resin to guarantee high durability.
- 4- 100 mm dia. outlet spigot.
- 5- Silicon backdraught shutter to avoid back-flow when the unit is turned off.

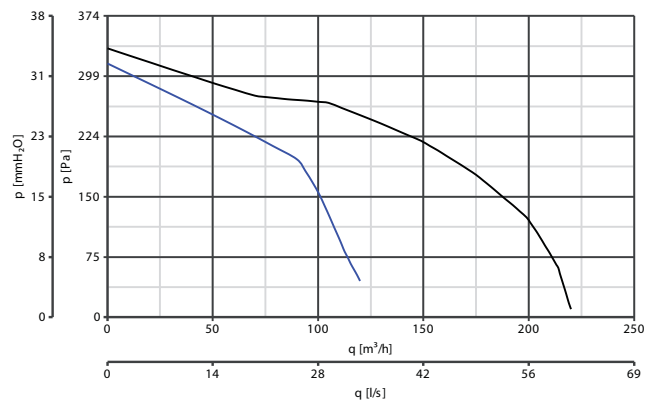
Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

VORT PRESS 110 LL code 11967
VORT PRESS 110 LL T code 11968



VORT PRESS 220 LL code 11977
VORT PRESS 220 LL T code 11978





LONG LIFE 30.000 h

VORT PRESS® HABITAT RANGE

Centrifugal duct fans



For continuous ventilation with boost facility. Ideal for use in public sector houses in bathrooms, showers, toilets, utility rooms and kitchens.

- **2 models:** basic and timer version.
- Double motor-fan housing, antivibration supports and backdraught shutter for silent operation.
- Two speeds.
- Motor with ball bearings (guaranteed 30,000 hours of continuous operation) with thermal cut-out.
- Low power consumption.
- Metallic filter which can be removed and washed (dishwasher safe).
- Fully comply with F1 Building Regulations, plus 1.9D alternative approaches.
- Protection rating: IPX4.
- Insulation class: II. □

Design: F. Trabucco - M. Vecchi



Spare Parts

- Metallic anti-dust filter.

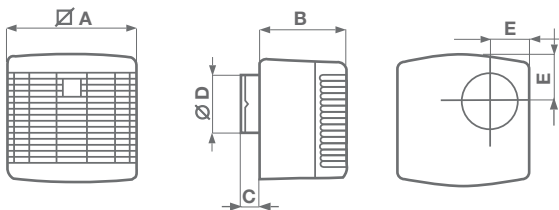
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code	V-50Hz	W min/max	A min/max	RPM min/max	Max Airflow		Max Pressure		Lp dB(A) 1 m min/max	Max °C
						m³/h min/max	l/s min/max	mmH₂O min/max	Pa min/max		
VORT PRESS HABITAT LL 30/90	12002	230	8 22	0.06 0.18	820 1450	51 101	14.2 28.1	4 14	39 137	28.5 44.5	40
VORT PRESS HABITAT LL 45/135	12004		4 29	0.04 0.12	430 1170	52 149	14.4 41.4	5 23	49 225	26.5 48	

Conforms with ISO 3744 for noise and pressure levels.

DIMENSIONS







Models	∅ A	B	C	∅ D	E	Kg
VORT PRESS HABITAT LL 30/90	202	147	30	97	73	2.1
VORT PRESS HABITAT LL 45/135	275	140	28			2.7

Dimensions (mm)



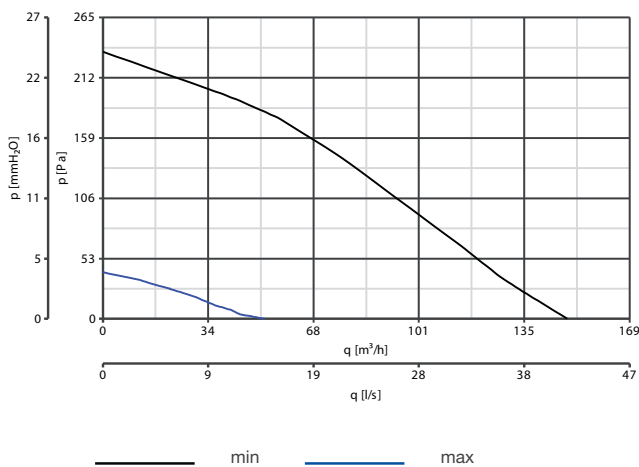
PRODUCT ACCESSORIES

Models		Code	Product	
			VORT PRESS HABITAT LL 30/90 code 12002	VORT PRESS HABITAT LL 45/135 code 12004
	C 1.5 Electronic speed controller 1.5 A	12966	●	●
	SCNRB Built-in non-reversible electronic speed controller	12971	●	●
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966	-
	M 10/4 Air deflector	22310	●	●

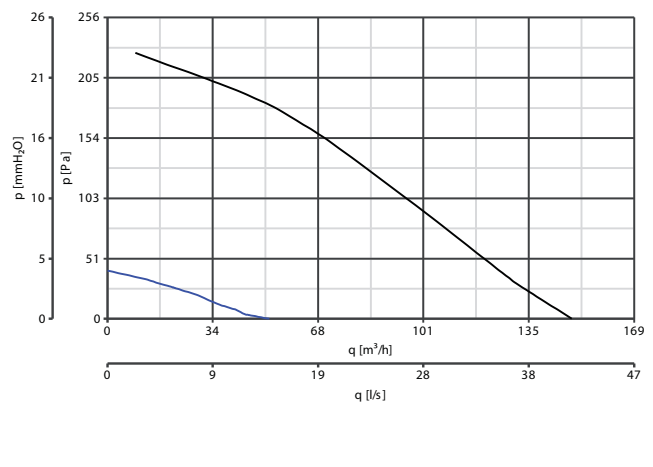
Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

VORT PRESS HABITAT LL 30/90 code 12002



VORT PRESS HABITAT LL 45/135 code 12004





LONG LIFE 30.000 h

VORT PRESS® I RANGE

Centrifugal duct fans for flush mounting

For the ventilation of medium-sized or large rooms in commercial applications plus bathrooms, showers, toilets, utilities and kitchens in domestic situations.



Design: F. Trabucco & Associates (model 110)
F. Trabucco - M. Vecchi (model 140/240)

- **6 models:** with or without timer.
- Double motor-fan housing, antivibration supports and backdraught shutter for silent operation.
- Two speeds.
- Motor with ball bearings (guaranteed 30,000 hours of continuous operation) with thermal cut-out.
- “Intelligent” timer turns the unit on approximately 40 sec. after the activation. When switched off, the unit continues to operate at the minimum speed for between 30 sec. and 30 min. (depending on the setting).
- Protection rating: IPX4.
- Insulation class: II. □

Spare Parts

- Metallic anti-dust filter.



Wiring diagrams shown from page 458

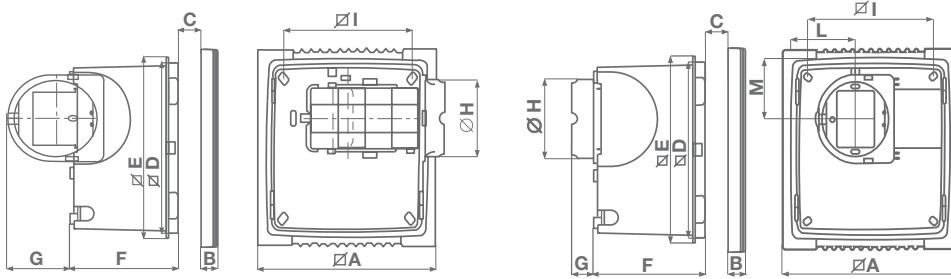
TECHNICAL DATA

Models	Code		V~50Hz	W min/max	A min/max	RPM		Max Airflow				Max Pressure				Lp dB(A) 3 m		Max °C		
	TIMER					min/max	min/max	min/max	max/max	m³/h		l/s		mmH₂O		Pa			min/max	max/max
										min/max	max/max	min/max	max/max	min/max	max/max	min/max	max/max			
VORT PRESS 110 LL I	11995	11996		12 - 24	0.07 - 0.18	970 1720 ⁽¹⁾	1090 1980 ⁽²⁾	60 120 ⁽¹⁾	50 100 ⁽²⁾	16.7 33.3 ⁽¹⁾	13.9 27.8 ⁽²⁾	8.9 14.5 ⁽¹⁾	8.3 13.5 ⁽²⁾	87 142 ⁽¹⁾	81 132 ⁽²⁾	<30	41			
VORT PRESS 140 LL I	11971	11972	220 - 240	16 - 27	0.05 - 0.10	594 1130 ⁽¹⁾	450 829 ⁽²⁾	55 118 ⁽¹⁾	67 140 ⁽²⁾	15.3 32.8 ⁽¹⁾	18.6 38.9 ⁽²⁾	8 22 ⁽¹⁾	8 22 ⁽²⁾	78 216 ⁽¹⁾	78 216 ⁽²⁾	<30	38	40		
VORT PRESS 240 LL I	11973	11974		33 - 65	0.25 - 0.30	1250 2180 ⁽¹⁾	930 1550 ⁽²⁾	120 220 ⁽¹⁾	130 240 ⁽²⁾	33.3 61.1 ⁽¹⁾	36.1 66.7 ⁽²⁾	32 33 ⁽¹⁾	32 34 ⁽²⁾	314 324 ⁽¹⁾	314 334 ⁽²⁾	44	56			

⁽¹⁾Rear air outlet. ⁽²⁾Side air outlet with high profile.

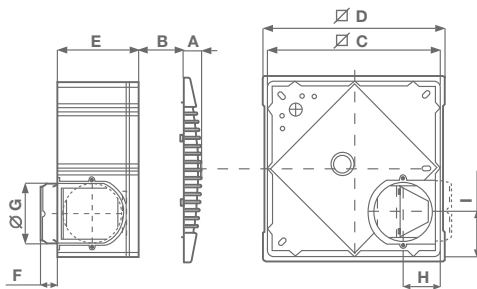


DIMENSIONS



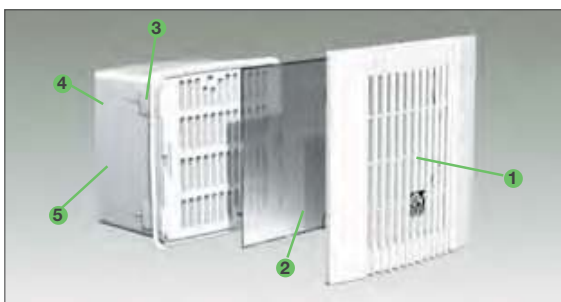
Models	∅A	B	C	∅D	∅E	F	G	∅H	∅I	L	M	Kg
VORT PRESS 110 LL I	252	23	65	214.5	228	135.3	31.5/76.7	96.5	180	92	76	2.1

Dimensions (mm)








Models	A	B	∅C	∅D	E	F	∅G	H	I	Kg
VORT PRESS 140 LL I	28	65	284	300	133	28.5	97	62	71.5	2.9
VORT PRESS 240 LL I										3.3

Dimensions (mm)



- 1-** Unobtrusive front grille with support springs which clamp it to the surface, making it suitable for all types of walls and ceilings (max 65 mm).
- 2-** Metallic filter can be removed and washed (dishwasher safe).
- 3-** Made of rigid synthetic resin to guarantee high durability.
- 4-** On 110 model, the outlet spigot can be changed to a high or low level spigot.
- 5-** Silicon backdraught shutter on 140 and 240 models to avoid back flow when unit is turned off.

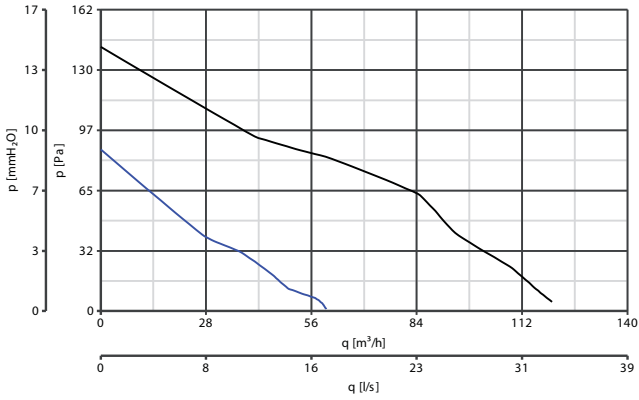
PRODUCT ACCESSORIES

Models		Code	Product					
			VORT PRESS 110 LL I code 11995	VORT PRESS 110 LL I T code 11996	VORT PRESS 140 LL I code 11971	VORT PRESS 140 LL I T code 11972	VORT PRESS 240 LL I code 11973	VORT PRESS 24 LL I T code 11974
	C 1.5 Electronic speed controller 1.5 A	12966	●		●		●	
	SCNRB Built-in non-reversible electronic speed controller	12971	●		●		●	
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966					
	M 10/4 Air deflector	22310	●	●	●	●	●	●
	Ceiling installation Kit (max height 40 cm)	22823	●	●				
		22815			●	●	●	●
	High profile connector	22481	●	●	●	●	●	●

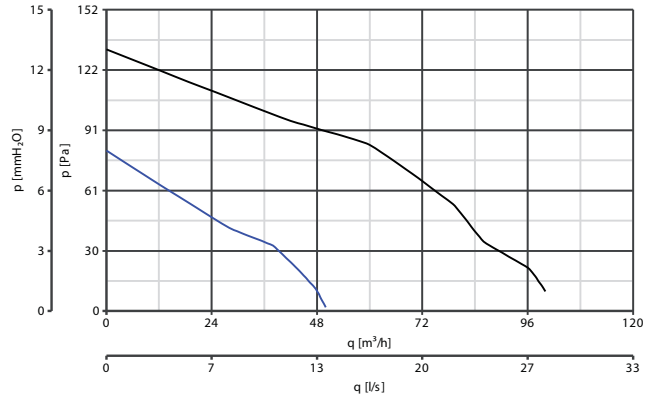
Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

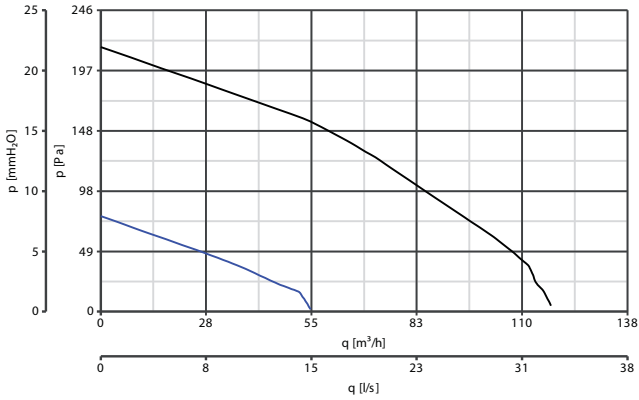
VORT PRESS 110 LL I code 11995 - Back air outlet
VORT PRESS 110 LL I T code 11996 - Back air outlet



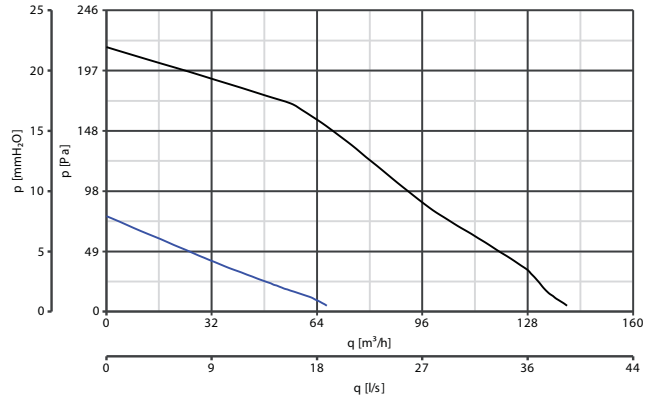
VORT PRESS 110 LL I code 11995 - Side air outlet with high profile (optional kit)
VORT PRESS 110 LL I T code 11996 - Side air outlet with high profile (optional kit)



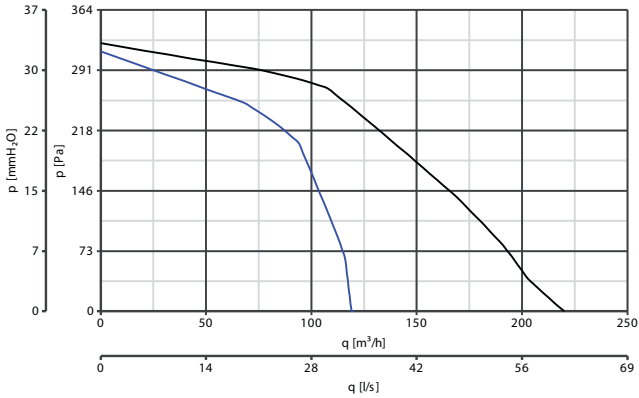
VORT PRESS 140 LL I code 11971 - Back air outlet
VORT PRESS 140 LL I T code 11972 - Back air outlet



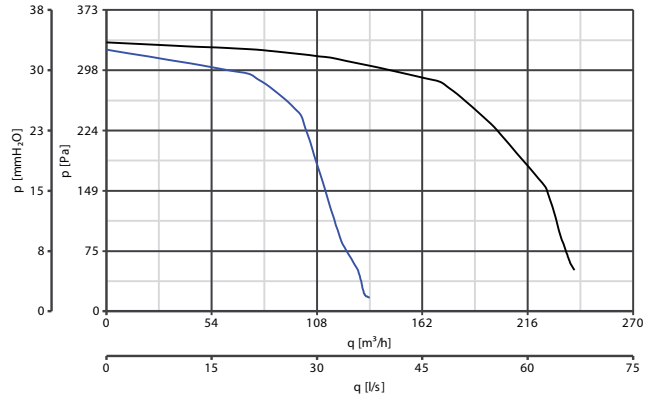
VORT PRESS 140 LL I code 11971 - Side air outlet
VORT PRESS 140 LL I T code 11972 - Side air outlet



VORT PRESS 240 LL I code 11973 - Back air outlet
VORT PRESS 240 LL I T code 11974 - Back air outlet



VORT PRESS 140 LL I code 11973 - Side air outlet
VORT PRESS 140 LL I T code 11974 - Side air outlet



— min
 — max





VORT QUADRO RANGE

Centrifugal duct fans



Design: F. Trabucco & Associates



For the ventilation of medium-sized or large rooms in commercial premises plus bathrooms, showers, toilets, utilities and kitchens in domestic situations.

- **13 models:** 11 with or without timer and incorporated humidistat, 2 high-efficiency EC-DC brushless motor.
- Backdraught shutter already installed on the product to avoid air back-flow when the unit is turned off.
- Timer models adjustable between 3 and 20 min.
- Motor with thermal cut-out incorporated.
- The units have a high extraction to long ducts are used. Reduced sound levels with superior certified performances on ducted applications.
- The energy saving can be really significant in case of continuous operation of the fan.
- It will also permit power savings associated with the recovery of heat.
- Easy to install and maintain.
- Two Speeds. All models feature two speed operation, including timer equipped models.
- Vort Quadro fans guarantee a low environmental impact. Recyclable materials have been used and the “Design for Disassembly” technique has been followed.
- Protection rating: IPX4.
- Insulation class: II.

Vort Quadro T-HCS. 3 models.

Adjustable RH threshold at 60%, 70%, 80%, 90% by mean of a slide switch during installation.

Smart working mode: the product automatically switches on when the indoor relative humidity level exceeds the pre-set value. A timer automatically switches off the product when the relative humidity decreases under the pre-set limit.

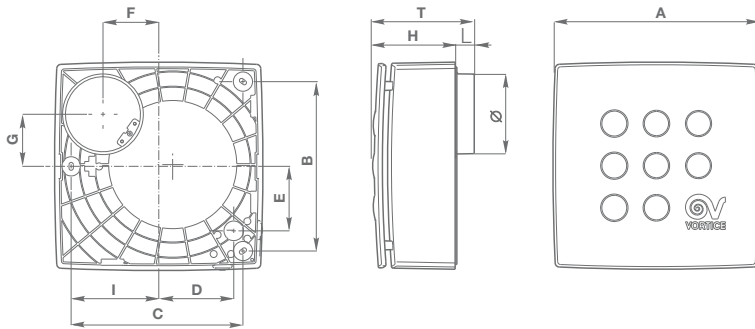
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code			V-50Hz	W min/max	A min/max	RPM min/max	Max Airflow		Max Pressure		Lp dB(A) 3 m min/max	Max °C	
	BASIC	TIMER	T-HCS					m³/h min/max	l/s min/max	mmH₂O min/max	Pa min/max			
MICRO 80	11638	11648	-	220 - 240	19 - 27	0.10 - 0.13	1150 - 1580	60 - 85	17 - 24	22 - 27	216 - 265	28.7 - 37	50	
MICRO 100	11936	11940	11945		20 - 28		1180 - 1600			65 - 90	18 - 25			16 - 22
MICRO 100 ES	11937	11941	-		8 - 15	0.08 - 0.12	1235 - 1630	9 - 18	88 - 177			31.5 - 37.4		
MEDIO	11944	11946	11975		42 - 53	0.20 - 0.26	1380 - 1800	125 - 170	35 - 47			34 - 37		334 - 363
SUPER	11952	11954	11989		65 - 95	0.30 - 0.48	1400 - 2040	185 - 270	51 - 75	42 - 50	412 - 491	41.9 - 48.6		50




Conforms with ISO 3744 for noise and pressure levels.

DIMENSIONS



Models	A	B	C	D	E	F	G	H	I	L	T	Ø	Kg
MICRO	239	195	197	85	74	64	60	97	100	20	117	92.5/97	1.80
MEDIO	261	212	215	95	82	75	69	119	110		138		2.54
SUPER	290	236	239	108	92	87	81	144	125		164		3.77

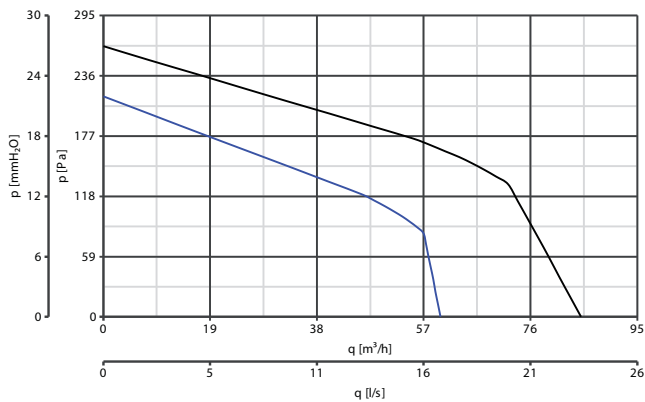
PRODUCT ACCESSORIES

Models		Code	Product												
			MICRO 80 code 11638	MICRO 80 T code 11648	MICRO 100 code 11936	MICRO 100 T code 11940	MICRO 100 T-HCS code 11945	MICRO 100 ES code 11937	MICRO 100 ES T code 11941	MEDIO code 11944	MEDIO T code 11946	MEDIO T-HCS code 11975	SUPER code 11952	SUPER T code 11954	SUPER T-HCS code 11989
	C 1.5 Electronic speed controller 1.5 A	12966	●		●				●		●		●		
	SCNRB Built-in non-reversible electronic speed controller	12971	●		●				●		●		●		
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966												
	M 10/4 Air deflector	22310	●	●	●	●	●	●	●	●	●	●	●	●	●

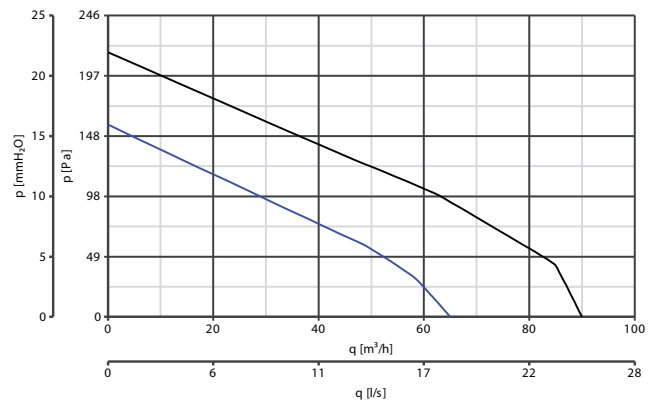
Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

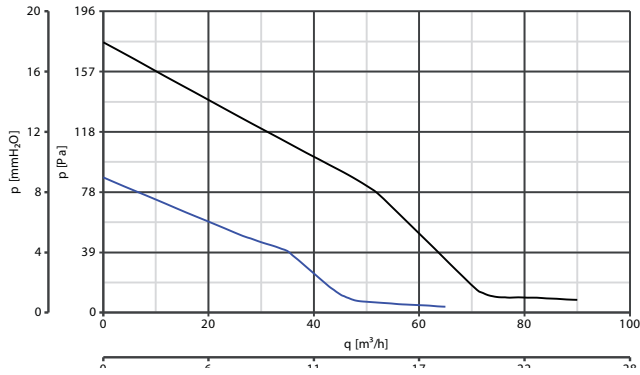
MICRO 80 code 11638
MICRO 80 T code 11648



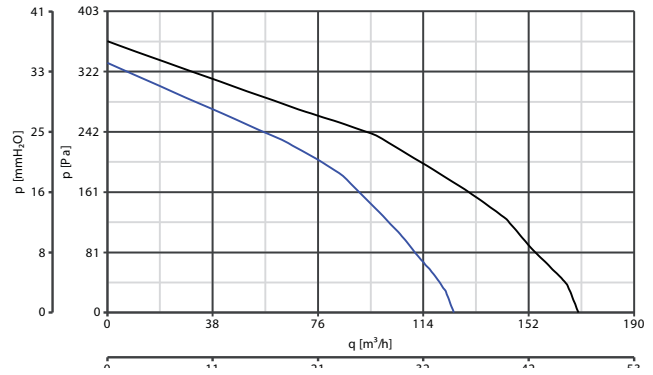
MICRO 100 code 11936
MICRO 100 T code 11940
MICRO 100 T-HCS code 11945



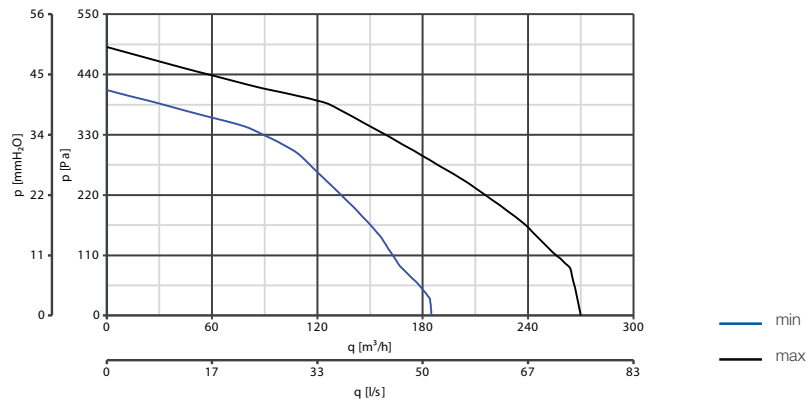
MICRO 100 ES code 11937
MICRO 100 T ES code 11941



MEDIO code 11944
MEDIO T code 11946
MEDIO T-HCS code 11975



SUPER code 11952
SUPER 11954 code 11954
SUPER T-HCS code 11989





VORT QUADRO I RANGE


Centrifugal duct fans for flush mounting

For the ventilation of medium-sized or large rooms in commercial premises plus bathrooms, showers, toilets, utilities and kitchens in domestic situations.



Design: F. Trabucco & Associates



- **11 models:** 9 with or without timer and incorporated humidistat, 2 high-efficiency EC-DC brushless motor.
- Flush mounting.
- Backdraught shutter already installed on the product to avoid air back-flow when the unit is turned off.
- Timer models adjustable between 3 and 20 min.
- Motor with thermal cut-out incorporated.
- The units have a high extraction to long ducts are used. Reduced sound levels with superior certified performances on ducted applications.
- The energy saving can be really significant in case of continuous operation of the fan.
- It will also permit power savings associated with the recovery of heat.
- Easy to install and maintain.
- Two Speeds. All models feature two speed operation, including timer equipped models.
- Vort Quadro fans guarantee a low environmental impact. Recyclable materials have been used and the “Design for Disassembly” technique has been followed.
- Protection rating: IPX4.
- Insulation class: II. 

Vort Quadro T-HCS. 3 models.

Adjustable RH threshold at 60%, 70%, 80%, 90% by mean of a slide switch during installation.

Smart working mode: the product automatically switches on when the indoor relative humidity level exceeds the pre-set value. A timer automatically switches off the product when the relative humidity decreases under the pre-set limit.

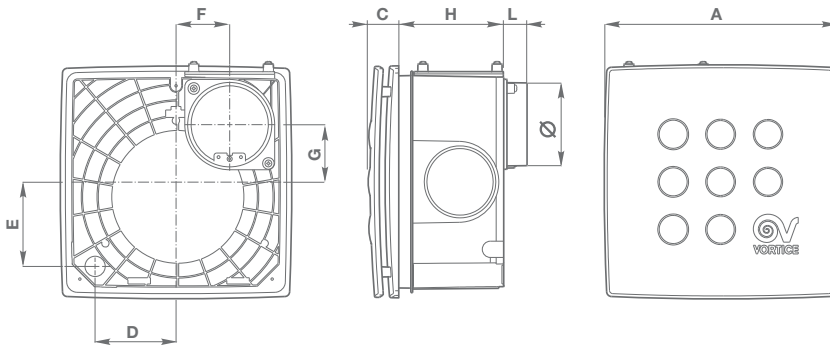
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code			V~50Hz	W min/max	A min/max	RPM min/max	Max Airflow		Max Pressure		Lp dB(A) 3 m		Max °C
	BASIC	TIMER	T-HCS					m³/h min/max	l/s min/max	mmH ₂ O min/max	Pa min/max	frontal min/max	side min/max	
MICRO 100 I	12017	12018	12065	220-240	25 - 33	0.12 - 0.15	1010 - 1450	75 - 110	21 - 31	20 - 25	196 - 245	26.3 - 34.3	25.9 - 33.5	50
MICRO 100 I ES	12045	12046	-		8 - 15	0.08 - 0.12	1090 - 1430	75 - 100	21 - 28	9 - 18	88 - 177	31.8 - 38.4	29.9 - 37.8	
MEDIO I	12020	12021	12066		45 - 60	0.21 - 0.27	1200 - 1600	130 - 180	36 - 50	34 - 37	334 - 363	35.9 - 41.2	33.4 - 39.6	40
SUPER I	12023	12024	12067		70 - 100	0.31 - 0.48	1300 - 1900	190 - 280	53 - 78	42 - 50	412 - 491	33.6 - 46.7	30 - 44.6	50

Conforms with ISO 3744 for noise and pressure levels.




DIMENSIONS



Models	A	C	D	E	F	G	H	L	Ø	Kg
MICRO 100 I	258	34	92	90	64	60	118	26	92.5/97	1.91
MEDIO I	287	37	97	103	72	69	130			2.79
SUPER I	314	38	120	120	80	81	153			4.29

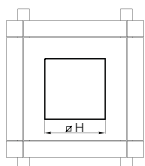
Dimensions (mm)

PRODUCT ACCESSORIES

Models	Code	Product										
		MICRO 100 I code 12017	MICRO 100 I T code 12018	MICRO 100 TI -HCS code 12065	MICRO 100 IES code 12045	MICRO 100 ES I T code 12046	MEDIO I code 12020	MEDIO I T code 12021	MEDIO I T-HCS code 12066	SUPER I code 12023	SUPER I T code 12024	SUPER I T-HCS code 12067
	C 1.5 Electronic speed controller 1.5 A	12966	●			●		●			●	
	SCNRB Built-in non-reversible electronic speed controller	12971	●			●		●			●	
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966									
	M 10/4 Air deflector	22310	●	●	●	●	●	●	●	●	●	●
	CEILING KIT MICRO	22491	●	●	●	●	●					
	CEILING KIT MEDIO	22492						●	●	●		
	CEILING KIT SUPER	22493								●	●	●

Description and sizes on page 126; System components on page 330.

Ceiling kit

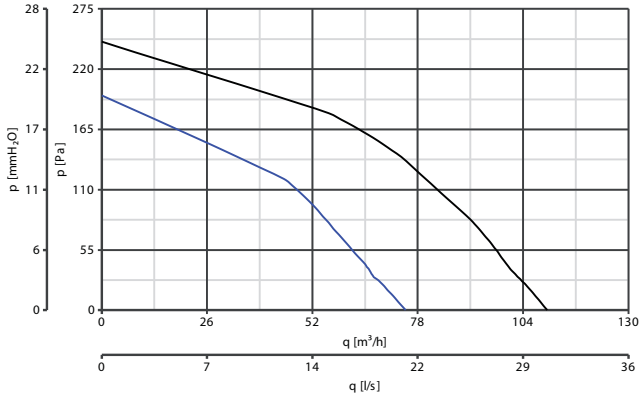


Models	Code	∅H
MICRO	22491	265
MEDIO	22492	285
SUPER	22493	330

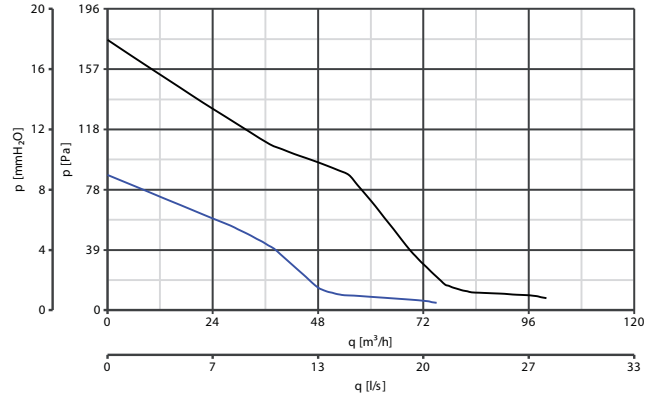
Dimensions (mm)

PERFORMANCE CURVES

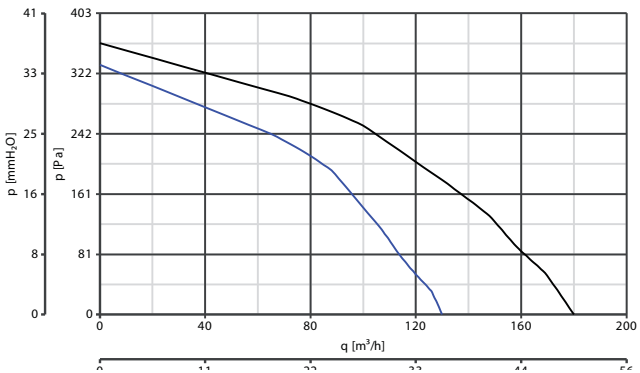
MICRO 100 I code 12017
MICRO 100 I T code 12018
MICRO 100 I T-HCS code 12065



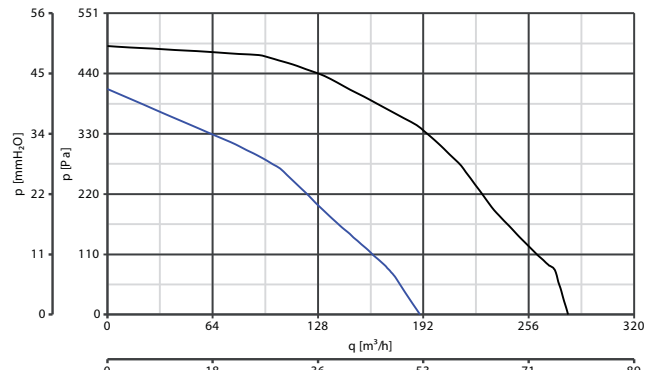
MICRO 100 I ES code 12045
MICRO 100 I T ES code 12046



MEDIO I code 12020
MEDIO I T code 12021
MEDIO I T-HCS code 12066



SUPER I code 12023
SUPER I T code 12024
SUPER I T-HCS code 12067



— min
 — max



VORT KAPPA

Centrifugal canopy fan



Design: F. Trabucco and M. Vecchi

For use when ventilating over a cooker in the kitchen.

- **1 model.**
- Automatic backdraught shutter to avoid back flow when unit is turned off.
- Two speeds.
- Metal body and motor-holder.
- Heat-resistant.
- Quick and easy installation and maintenance.
- Insulation class: I. ⊕

Spare parts

- Metallic anti-dust filter.



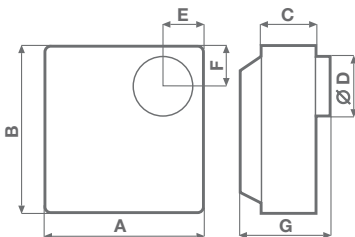
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code	V~50Hz	W min/max	A min/max	RPM min/max	Max Airflow		Max Pressure		Lp dB(A) 3 m min/max
						m ³ /h min/max	l/s min/max	mmH ₂ O min/max	Pa min/max	
VORT KAPPA	10950	220 - 240	50 - 90	0.29 - 0.44	850 - 1950	100 - 260	27.4 - 72.2	31 - 33	304 - 324	35.8 - 55.3

Conforms with ISO 3744 for noise and pressure levels.

DIMENSIONS






Models	A	B	C	Ø D	E	F	G	Kg
VORT KAPPA	252	270	90	97	65	65	145	3.6

Dimensions (mm)



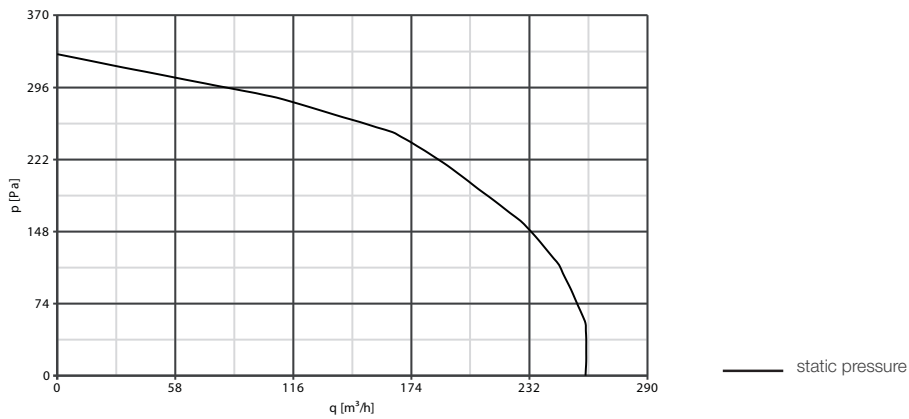
PRODUCT ACCESSORIES

Models		Code	Product
			VORT KAPPA code 10950
	C 1.5 Electronic speed controller 1.5 A	12966	●
	SCNRB Built-in non-reversible electronic speed controller	12971	●
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966
	M 10/4 Air deflector	22310	●

Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

VORT KAPPA code 19050





VORTICE® RANGE

Cooker hoods



Design: F. Trabucco and M. Vecchi



For the ventilation of kitchens, suits all styles of kitchen décor.

- **2 models:** 60 and 90 cm sizes, in a choice of three colours: light granite, dark granite or silver. All models are supplied in extractor mode but can be converted to the recycling filtering mode using the optional kit.
- Supplied with self-illuminating, ergonomic buttons which allow selection of one of the three available speeds, according to the particular need.
- Powerful yet silent, the low noise level at first speed is ideal when having to spend considerable time in the kitchen.
- Rugged, galvanized steel frame, extractor unit with motor-fan, zincplated housing and treated with fire-proof polyester paint.
- V0-resin motor-support and fan housing, and V-resin outside body finished with special, long-lasting scratchproof paint.
- Effective washable aluminium fine mesh grease filter (dishwasher safe).
- Excellent lighting by two 40 W incandescent bulbs and polycarbonate diffusers, ensures no alteration to the colour of food in the cooking area.
- Complete with an adapter and backdraught shutter for extracting into a 120 mm duct, a set of installation fixings and rubber pads to absorb vibration and correct alignment.
- Insulation class: I. ⊕

Wiring diagrams shown from page 458



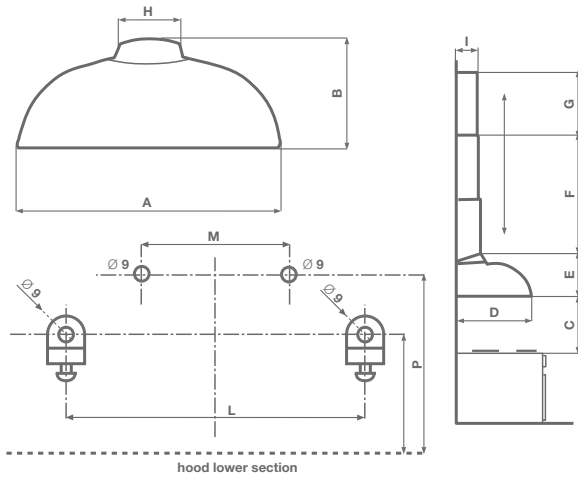
TECHNICAL DATA

Models	Code	Colour	V-50Hz	W	A	RPM	Max Airflow		Max Pressure		Lp dB(A) 3 m
							m³/h min/max	l/s min/max	mmH₂O min/max	Pa min/max	
VORTICE 60	20570	L	230	200	0.61	2500	125 - 300	35 - 83	27 - 34	265 - 334	45 - 63.5
	20575	D									
	20572	S									
VORTICE 90	20580	L									
	20585	D									
	20582	S									

Vortice® complies with CEI 107.53 - IEC 665 - Ø 100 mm. - 230 V.



DIMENSIONS



Models	A	B	C	D	E	F	G	H	I	L	M	N	P	Kg
VORTICE 60	600	297	800	450	297	450 - 850	200 - 400	150	155	460	170	140	200	7,5
VORTICE 90	900													9,5

Dimensions (mm)

PRODUCT ACCESSORIES

Models		Code	Product					
			VORTICE 60-S code 20570	VORTICE 60-P code 20575	VORTICE 60-A code 20572	VORTICE 90-S code 20580	VORTICE 90-P code 20585	VORTICE 90-A code 20582
CONVERSION KIT	T Extraction pipe kit	22101	●	●	●	●	●	●
	V - F 60 Filtering conversion kit Vortice 60	22099	●	●	●			
	V - F 90 Filtering conversion kit Vortice 90	22098				●	●	●
DECORATIVE CHIMNEY KIT	V - CS Telescopic decorative chimney Vortice Hood - Light granite	22104	●			●		
	V - CP Telescopic decorative chimney Vortice Hood - Dark granite	22105		●			●	
	V - CA Telescopic decorative chimney Vortice Hood - Silver	22106			●			●
	V - PCS Decorative chimney extension Vortice Hood - Light granite	22107	●			●		
	V - PCP Decorative chimney extension Vortice Hood - Dark granite	22109		●			●	
	V - PCA Decorative chimney extension Vortice Hood - Silver	22108			●			●
GRILLES	G - 30/12 Air replacement grilles	22113	●	●	●	●	●	●
	G - 23/9 Air replacement grilles	22114	●	●	●	●	●	●
REPLACEMENT FILTERS	V - FA 60/54 Aluminium filter Vortice Hood 50/54	22111	●	●	●			
	V - FA 90/72 Aluminium filter Vortice Hood 90/72	22112				●	●	●
	V - FC 60/54 Activated carbon filter Vortice Hood 60/54	22103	●	●	●			
	V - FC 90/72 Activated carbon filter Vortice Hood 90/72	22102				●	●	●

Description and sizes on page 126; System components on page 330.



VORTICE® RANGE

Cooker hoods

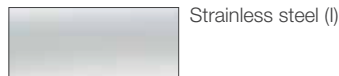


For the ventilation of kitchens, suits all styles of kitchen décor.

- **2 models:** 60 and 90 cm sizes. All models are supplied in extractor mode but can be converted to the recycling filtering mode using the optional kit.
- Supplied with self-illuminating, ergonomic buttons which allow selection of one of the three available speeds, according to the particular need.
- Powerful yet silent, the low noise level at first speed is ideal when having to spend considerable time in the kitchen.
- Stainless steel frame.
- Effective washable aluminium fine mesh grease filter (dishwasher safe).
- Excellent lighting by two 40 W incandescent bulbs and polycarbonate diffusers, ensures no alteration to the colour of food in the cooking area.
- Complete with an adapter and backdraught shutter for extracting into a 120 mm duct, a set of installation fixings and rubber pads to absorb vibration and correct alignment
- Insulation class: II.



Wiring diagrams shown from page 458



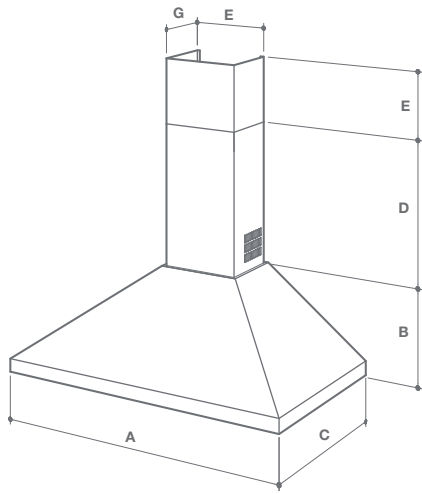
TECHNICAL DATA

Models	Code	Colour	Max Airflow		Max Pressure			Pa min/max	Lp dB(A) 3 m min/max
			V-50Hz	W	m³/h min/max	l/s min/max	mmH ₂ O min/max		
VORTICE 60	20501	I	230-240	215	310 - 480	85 - 135	21 - 25	205 - 245	41 - 53
VORTICE 90	20502								

Vortice® complies with EN 61591 for air performances. EN 60704-2-13 and ISO 3744 for noise level at 230 V.



DIMENSIONS



Models	A	B	C	D	E	F	G	Kg
VORTICE 60	600	280	500	420	110 - 440	200	180	10
VORTICE 90	900							13

Dimensions (mm)

PRODUCT ACCESSORIES

Models		Code	Product	
			VORTICE 60-I code: 20501	VORTICE 90-I code: 20502
GRILLES	G - 30/12 Air replacement grilles	22113	●	●
	G - 23/9 Air replacement grilles	22114	●	●
REPLACEMENT FILTERS	V - FA 60/90 Aluminium grease-proof filter Vortice 60/90	22245	●	●
	V - FC 60/90 Activated carbon filter Vortice 60/90	22199	●	●

Description and sizes on page 126; System components on page 330.



VORTEX® RANGE

Cooker hoods

For ventilation of kitchens, these cooker hoods blend in well with any style of kitchen décor.



- **2 models:** 60 and 90 cm sizes. All models are supplied in extractor mode but can be converted to the recycling filtering mode using the optional kit.
- Supplied with self-illuminating, ergonomic buttons which allow selection of one of the three available speeds, according to the particular need.
- Excellent lighting with 40 W light bulbs and polycarbonate diffuser, ensures no alteration to the colour of food in the cooking area.
- Powerful yet silent, the low noise level at first speed is ideal when having to spend considerable time in the kitchen.
- Rugged construction with frame made of stainless-steel, coated in anti-scratch polyester-epoxy powder, motor-holder and fan made of self-extinguishing resin. Three-speed motor with Class B insulation and thermal cut-out for overheat protection.
- Filtering system: these models are equipped with a fabric grease filter.
- Complete with main fitting for 120 mm dia. duct and secondary fitting for 100 mm dia. duct, a cover with two discharge ports, activated-carbon filters for changing to the filtering type, air backdraught shutter, installation fixings, connection cable without plug.
- Insulation class: II. □

Wiring diagrams shown from page 458



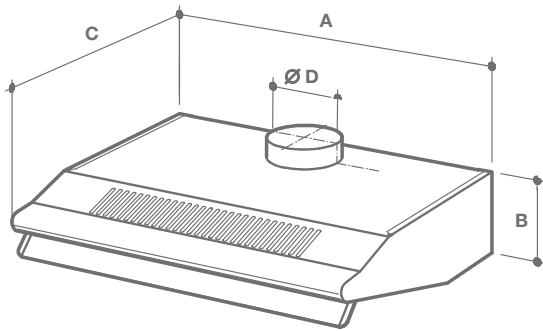
TECHNICAL DATA

Models	Code	Colour	V-50Hz	W	Max Airflow		Max Pressure		Lp dB(A) 3 m
					m³/h min/max	l/s min/max	mmH₂O min/max	Pa min/max	
VORTEX 60	20021	W	230-240	160	120 - 250	33 - 69	12 - 21	118 - 210	37 - 56
	20022	I							
VORTEX 90	20223	W							
	20024	I							

Vortex® complies with EN 61591 for air performances. EN 60704-2-13 and ISO 3744 for noise level at 230 V.



DIMENSIONS



Models	A	B	C	Ø D	Kg
VORTEX 60	600	140	495	123	8,5
VORTEX 90	900				11

Dimensions (mm)

PRODUCT ACCESSORIES

Models		Code	Product			
			VORTEX 60-B code 20021	VORTEX 60-I code 20022	VORTEX 90-B code 20023	VORTEX 90-I code 20024
CONVERSION KIT	T Extraction pipe kit	22101	•	•	•	•
	T Extraction pipe kit	22116	•		•	
DECORATIVE CHIMNEY KIT	T Extraction pipe kit	22117		•		•
	T Extraction pipe kit	22117		•		•
REPLACEMENT FILTERS	VX - FC 60 Activated carbon filter Vortex 60	22314	•	•		
	VX - FC 90 Activated carbon filter Vortex 90	22322			•	•
	VX - FA 60 Grease-proof filter Vortex 60	22304	•	•		
	VX - FA 90 Grease-proof filter Vortex 90	22307			•	•

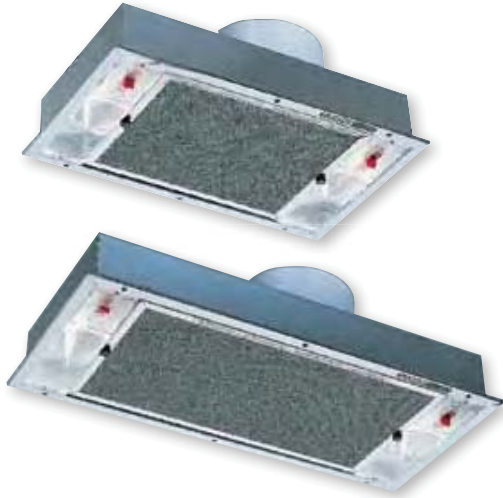
Description and sizes on page 126; System components on page 330.



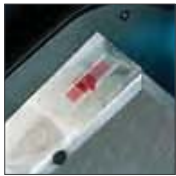
VORTICE® RANGE

Cooker hoods

For kitchen ventilation.



- **2 models.**
- Three speeds, with indicator light showing the extract speed selected.
- Powerful and silent, the low noise level at low speed is ideal when having to spend time in the kitchen.
- Rugged construction with frame made of stainless steel, the exhaust unit includes a sheetmetal flame shield finished with flame-resistant polyester, a zincplated housing and a motor-fan unit.
- The unit has V0-resin motorsupport and fan.
- Effective, washable aluminium fine mesh grease filter (dishwasher safe).
- Excellent lighting with two 40 W light bulbs and polycarbonate diffusers, ensures no alteration to the colour of food at hob level.
- Insulation class: I.Ⓜ



Wiring diagrams shown from page 458

Models	Code	Calculated performance
VORTICE 54	18051	390 m³/h
VORTICE 72	18061	

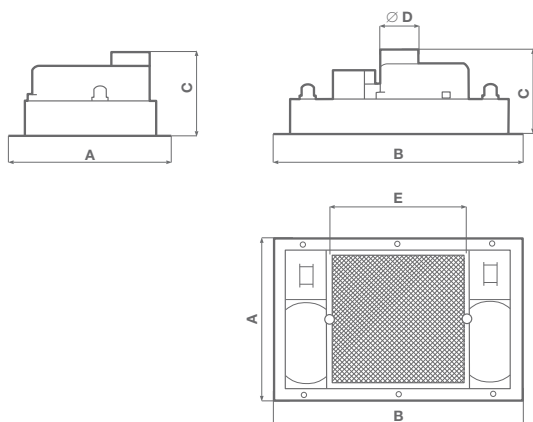
TECHNICAL DATA

Models	Code	V-50Hz	W	A	RPM	Max Airflow		Max Pressure		Lp dB(A) 3 m	
						m³/h min/max	l/s min/max	mmH₂O min/max	Pa min/max	re-circulation min/max	exhaust min/max
VORTICE 54	18051	230	200	0.61	2500	125 - 300	35 - 83	27 - 34	265 - 334	37 - 56	
VORTICE 72	18061										

Vortice® complies with CEI 107 53 - IEC 665 - Ø100 mm - 230 V.



DIMENSIONS



Models	A	B	C	Ø D	E	Kg
VORTICE 54	328	540	182	98	358	4.7
VORTICE 72		720				5.5

Dimensions (mm)

PRODUCT ACCESSORIES

Models		Code	Product	
			VORTICE 54 code 18051	VORTICE 72 code 18061
CONVERSION KIT	T Extraction pipe kit	22101	●	●
	F54 Filtering conversion kit Vortice 54	22055	●	
	F72 Filtering conversion kit Vortice 72	22065		●

Description and sizes on page 126; System components on page 330.



VORT NOTUS

De-centralised continuous axial fans

Wide range of possible installations: through wall and ceiling.



- **2 models:** VORT NOTUS, VORT NOTUS T-HCS.
- Flange, grille and front panel made of ABS.
- Motor housing made of self-extinguishing (V0) polypropylene.
- Electrically controlled EC brushless motors offer optimal performance and extremely low energy consumption.
- Ball bearing motor.
- 3 levels of performance.
- Designed for continuous running.
- In duct installation (Vort Notus only).
- Very quiet running.
- Protection rating: IPX4.
- Insulation class: II.

Vort Notus T-HCS

- The R.H. sensor allows the automatic switch from minimum to maximum airflow when relative humidity exceeds the threshold setting (levels available: 60%, 70%, 80%, 90%).
- Timer function (activated by external switch) can be overrided the humidity detection system and run the product on boost speed.
- Timer adjustable between 3 and 20 minutes.



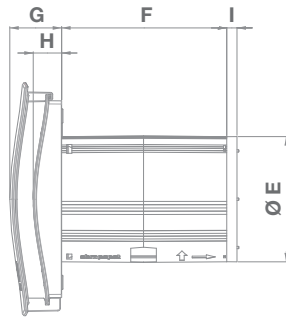
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code	V-50Hz	W min/max	Max Airflow		Max Pressure		Lp dB(A) 3 m min/max	Max °C
				m ³ /h min/max	l/s min/max	mmH ₂ O min/max	Pa min/max		
VORT NOTUS	11903	220 - 230	1.5 - 2.8	11.7 - 42	3.3 - 11.7	2.4 - 8.8	23.5 - 86.3	27.5 - 28.5	50
VORT NOTUS T-HCS	11177		2.1 - 6.4						60

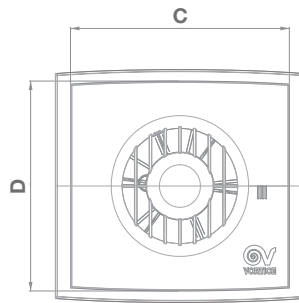
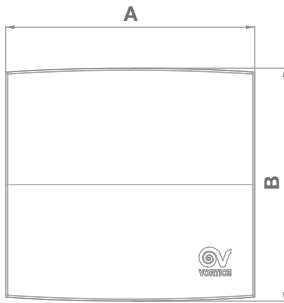


DIMENSIONS



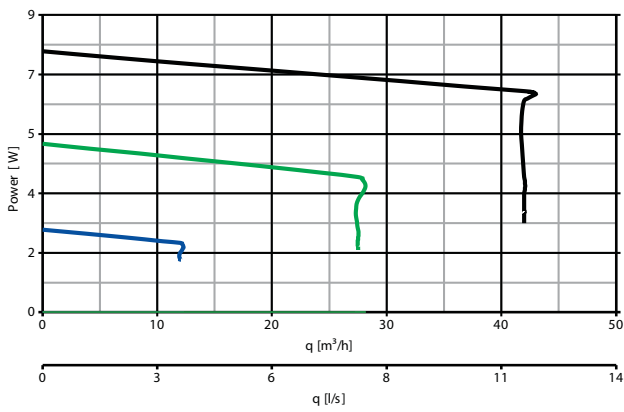
Models	A	B	C	D	Ø E	F	G	H	I	Kg
VORT NOTUS	194.6	182	171	164	97.8	129	40.5	22.2	8	0.8
VORT NOTUS T-HCS										

Dimensions (mm)

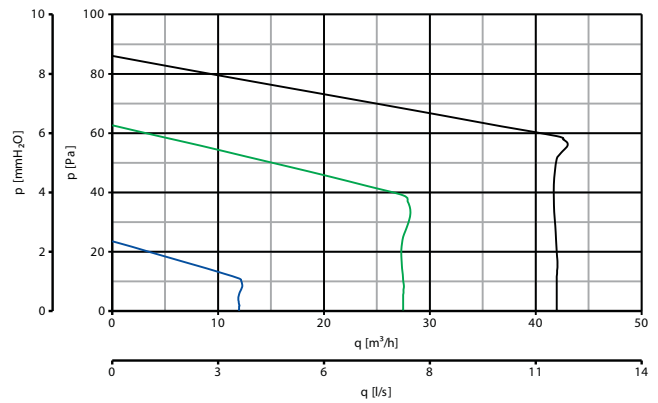


PERFORMANCE CURVES

VORT NOTUS
Power consumption curve



VORT NOTUS
Airflow/pressure curve





VORT PLATT RANGE

Centralised continuous ventilation units



Suitable for horizontal and vertical installations on walls, ceilings and false ceiling.

- **2 models:** VORT PLATT, VORT PLATT ES.
- Long lasting galvanized steel cover.
- Rear flange made of ABS.
- Ball bearing motor.
- Two speeds.
- Inlets: 3x80 mm + 1x125 mm diameter.
- Outlet: 1x125 mm diameter.
- Designed to guarantee efficient ventilation of the home in continuous operating mode.
- Inner scroll design optimized to offer high performances, small consumptions and low noise levels.
- Protection rating: IPX4.
- Insulation class: II.

Vort Platt

- AC motor external rotor with thermally protected.
- VORT PLATT supplied with 2 spigots (30 m³/h) and 1 blank.

Vort Platt ES

- Electrically controlled EC brushless motors offer optimal performance and extremely low energy consumption.
- 3 alternative settings selectable by dip switch.
- Very high efficiency: specific fan power down to 0.2 [W/l/s].
- Timer 30'.
- VORT PLATT ES supplied with 2 spigots and 1 blank.



Wiring diagrams shown from page 458

TECHNICAL DATA

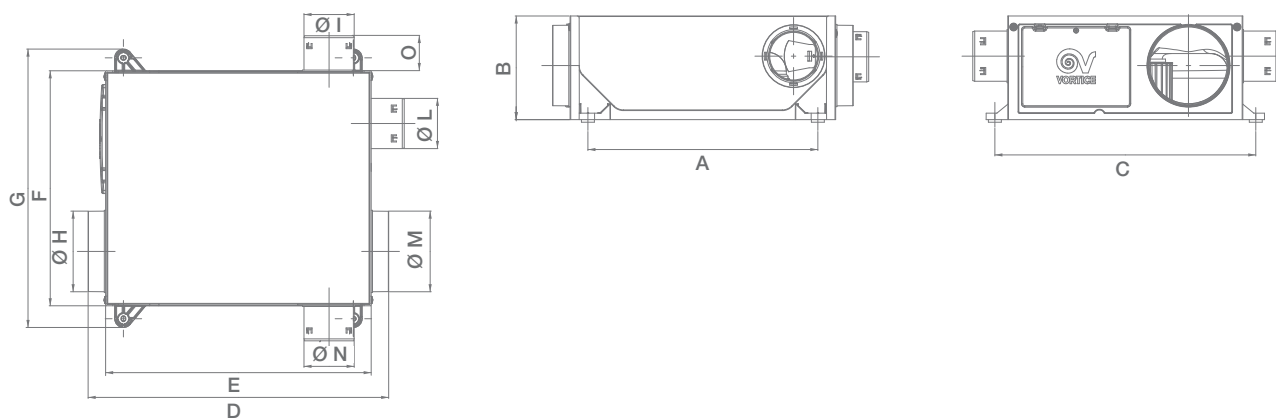
Models	Code	V~50Hz	W min/max	A min/max	RPM min/max	Max Airflow		Max Pressure		Lp dB(A) 3 m min/max	Max °C
						m ³ /h min/max	l/s min/max	mmH ₂ O min/max	Pa min/max		
VORT PLATT	11814	230	20 - 55	0.18 - 0.24	1280 - 2540	200 - 400	56 - 111	20 - 41	206 - 402	27.2*	60
VORT PLATT ES	11813		12 - 50	0.12 - 0.45	830 - 1400	215 - 365	60 - 101	5 - 14.5	49 - 142	26.5** - 36	50

* Lw dB(A) measured at kitchen port at minimum speed.

** Lp dB(A) measured at 3 m in configuration 3+1.



DIMENSIONS



Models	A	B	C	D	E	F	G	Ø H	Ø I	Ø L	Ø M	Ø N	O	Kg
VORT PLATT	355	160	403	478	410	363	430	124.5	77.5	77.5	124.5	77.5	54	4
VORT PLATT ES														

Dimensions (mm)

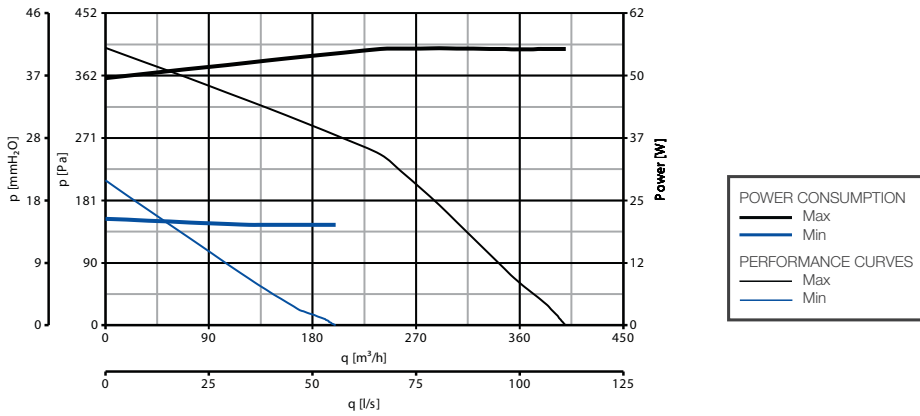
PRODUCT ACCESSORIES

Models		Code	Product	
			VORT PLATT code 11814	VORT PLATT ES code 11813
	REGULATOR 15 m ³	22324	●	●
	REGULATOR 30 m ³	22325	●	●
	ADDITIONAL SPIGOT - HYGRO 80	22847		●

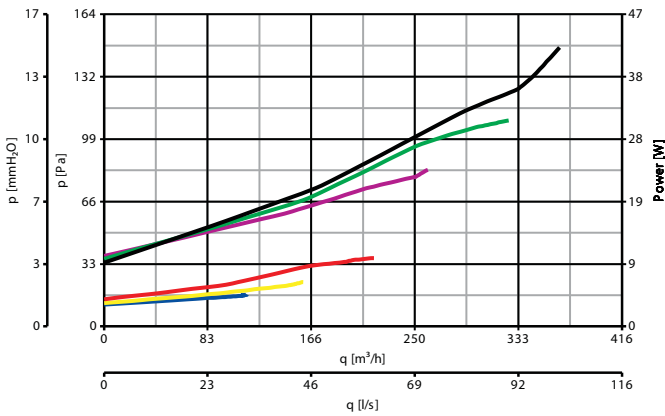
Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

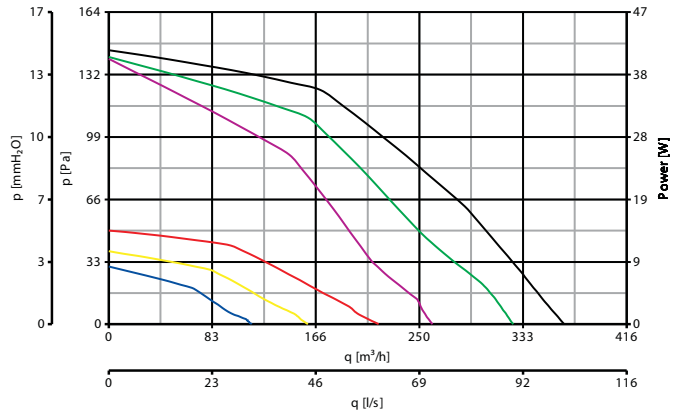
VORT PLATT code 11814



VORT PLATT ES code 11813
Power consumption curves



VORT PLATT ES code 11813
Airflow/pressure curves





VORT PENTA RANGE

Centralised continuous ventilation units

Designed to guarantee efficient ventilation of the home in continuous operating mode. Extraction up to 6 rooms.



- **2 models:** VORT PENTA, VORT PENTA ES.
- ABS made.
- Ball bearing motor.
- Two speeds.
- Inlets: 5x80 mm + 1x125 mm diameter.
- Outlet: 1x125 mm diameter.
- New time-saving automatic kitchen flow regulation.
- Internal ducting designed to guarantee high performance, low consumption and reduced noise levels.
- Designed for installation in false ceilings, these are set up for suspended mounting by means of a cord supplied as standard.
- Alternatively, the integrated rotating bracket is available; this makes the fan very easy to install in any position, as it ensures the setup is suited to system requirements.
- Protection rating: IPX4.
- Insulation class: II.

Vort Penta

- AC motor.
- Supplied with 2 spigots (30 m³) and 4 blanks.

Vort Penta ES

- Electrically controlled EC brushless motors offer optimal performance and extremely low energy consumption.
- 5 alternative settings selectable by dip switch.
- Very high efficiency: specific fan power down to 0.2 [W/l/s].
- Timer 30'.
- Supplied with 3 spigots and 3 blanks.



Wiring diagrams shown from page 458

TECHNICAL DATA

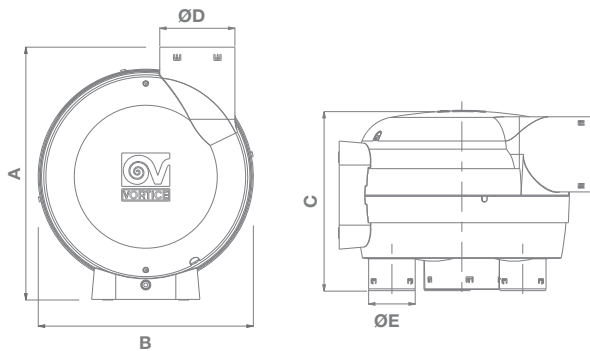
Models	Code	V~50Hz	Max Airflow			Max Pressure		Lp dB(A) 3 m min/max	Max °C		
			W min/max	A min/max	RPM min/max	m ³ /h min/max	l/s min/max			mmH ₂ O min/max	Pa min/max
VORT PENTA	11707	230	21 - 73	0.18 - 0.34	1150 - 2150	200 - 400	55.6 - 111	21.4 - 45.9	206 - 442	32*	50
VORT PENTA ES	11767		13 - 35	0.13 - 0.31	1350 - 2000	250 - 375	69.5 - 104	11.5 - 26	113 - 255	35** - 43	

* Lw dB(A) measured at kitchen port at minimum speed.

** Lp dB(A) measured at 3 m in configuration 3+1.



DIMENSIONS



Models	A	B	C	D	Ø E	Kg
VORT PENTA	420	358	300	125	77.5	4.0
VORT PENTA ES						

Dimensions (mm)

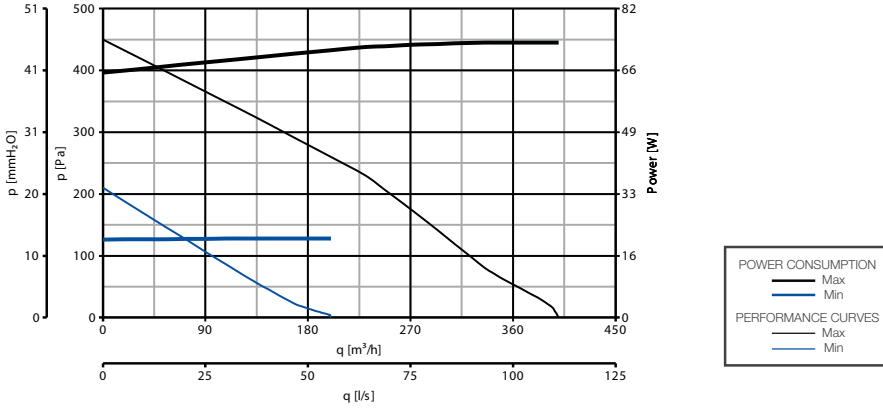
PRODUCT ACCESSORIES

Models		Code	Product	
			VORT PENTA code 11707	VORT PENTA ES code 11767
	REGULATOR 15 m ³	22324	●	●
	REGULATOR 30 m ³	22325	●	●
	ADDITIONAL SPIGOT - HYGRO 80	22847		●

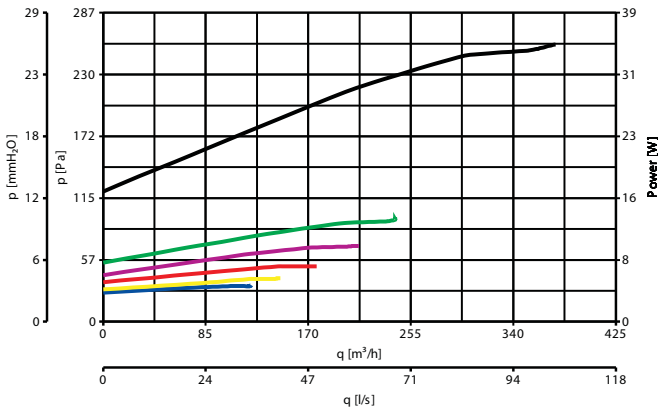
Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

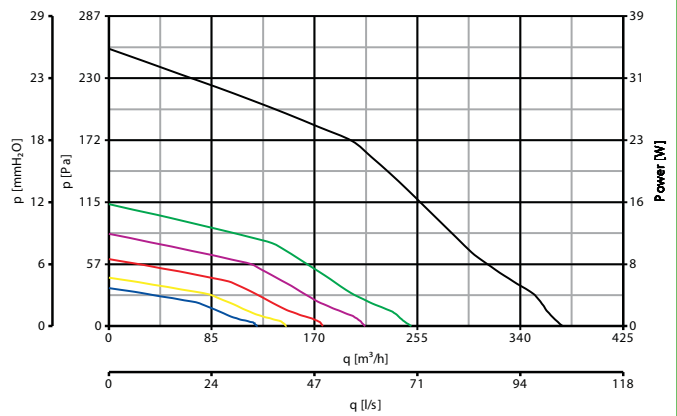
VORT PENTA code 11707
Power consumption curves



VORT PENTA code 11767
Power consumption curves



VORT PENTA ES code 11767
Airflow/pressure curves





VORT LETO MEV RANGE

Centralised continuous ventilation units

Designed for continuous operation in domestic or commercial environments. Extraction up to 500 m³/h.



- **2 models:** VORT LETO MEV, VORT LETO MEV RF equipped with RF remote controller.
- ABS made.
- Electrically controlled EC brushless motors offer optimal performance and extremely low energy consumption.
- Ball bearing motor.
- Two speeds.
- Very high efficiency: specific fan power down to 0.2 [W/l/s].
- Inlets: 4x125 mm diameter.
- Outlet: 1x125 mm diameter.
- Supplied with 2 blanks.
- Precise speed setting with potentiometers in order to achieve maximum energy saving.
- Easy vertical or horizontal wall or ceiling installation.
- Protection rating: IPX4.
- Insulation class: II.



Vort Leto Mev RF:

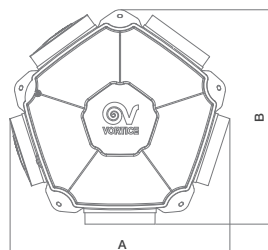
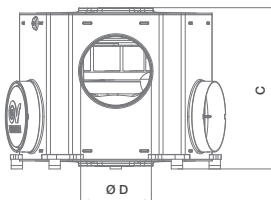
- RF remote controller, powered by long lasting solar cells, allows speed selection and timer activation. Timer.

Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code	V-50Hz	W min/max	A min/max	RPM min/max	Max Airflow		Max Pressure		Lp dB(A) 3 m	Max °C
						m ³ /h min/max	l/s min/max	mmH ₂ O min/max	Pa min/max		
VORT LETO MEV	11955	230	3.2 - 70	0.4 - 0.55	400 - 2150	72 - 500	20 - 138.9	10 - 41.8	98.1 - 410	51.5	50
VORT LETO MEV RF	11953										

DIMENSIONS



Models	A	B	C	Ø D	Kg
VORT LETO MEV	387	377	284	125	3
VORT LETO MEV RF					

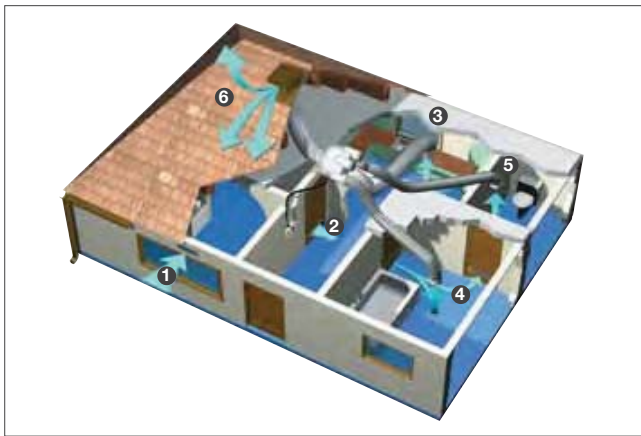
Dimensions (mm)



PRODUCT ACCESSORIES

Models	Code	Product	
		VORT LETO MEV code 11955	VORT LETO MEV RF code 11953
RF REMOTE CONTROL	22328		●
C3VM3 3 speed selector controller built-in	12949	●	

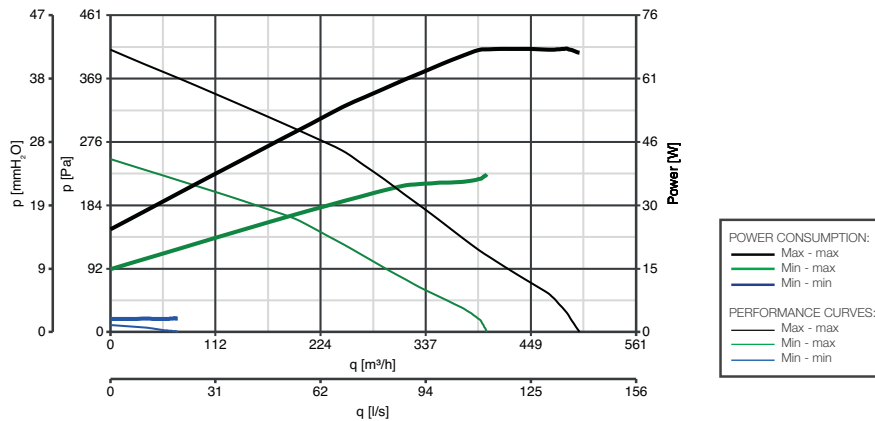
Description and sizes on page 126; System components on page 330.



- 1- Air intake.
- 2- Air passage through the rooms.
- 3- Kitchen port.
- 4- Bathroom/shower port.
- 5- Toilet port.
- 6- Air outlet.

PERFORMANCE CURVES

VORT LETO MEV code 11955
VORT LETO MEV RF code 11953





LONG LIFE 30.000 h

VMC ARIANT

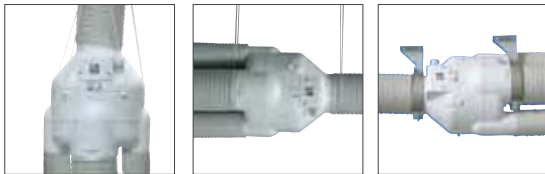
Centralised continuous ventilation unit

The VMC system complies with the requirements of document F1 (alternative approaches 1.9d) and will extract up to 5 rooms i.e. Kitchens, toilets, bathrooms and utility rooms, while maintaining humidity and hygiene and, protection to the building from the effects of damp.



Design: F. Trabucco and M. Vecchi

- **1 model.**
- A choice of up to 5 extract ports.
- 80 mm duct port reducing the space needed to incorporate the duct into the soil and pipe duct.
- Very simple duct connectors for quick and secure fixing.
- Long-Life motor for reliable long term efficiency - 2 speeds control settings.
- Very compact and easy to install.
- The motor can be suspended to further reduce vibration.
- Body made in self-extinguish V0 material.
- Terminal box protection IP44 - Easy access to the junction box (IP44 protection).
- Easy vertical or horizontal wall or ceiling installation.
- Insulation class: II. □



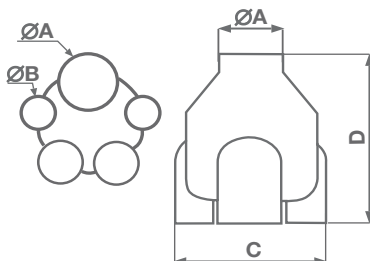
Wiring diagrams shown from page 458

TECHNICAL DATA

Models	Code	V-50Hz	W min/max	A min/max	RPM min/max	Max Airflow		Max Pressure		Lp dB(A) 3 m
						m ³ /h min/max	l/s min/max	mmH ₂ O min/max	Pa min/max	
VMC ARIANT	11899	230	60 - 90	0,4 - 0,44	1350 - 2550	200 - 385	55.6 - 106.9	25 - 37.7	245 - 370	-

Conforms with ISO 3744 for noise and pressure levels.

DIMENSIONS





Models	Ø A	Ø Bx4	C	D	Kg
VMC ARIANT	120	80	270	330	3.2

Dimensions (mm)



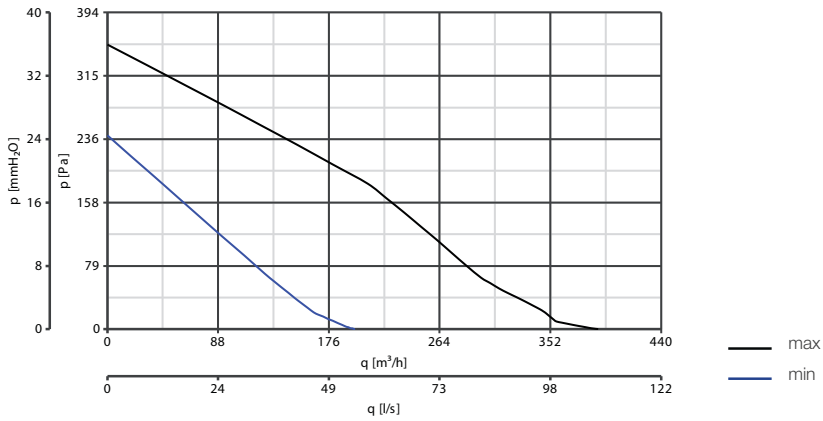
PRODUCT ACCESSORIES

Models		Code	Product
			VMC ARIANT code 11899
	CA-MU Galvanized sheet-metal brackets	22674	●
	EASY - DUCT GRIP + VALVE	11891	●

Description and sizes on page 126; System components on page 330.

PERFORMANCE CURVES

VMC ARIANT code 11899



Vortice® provides comfort indoors.

*Air pollution in the home is caused by
the presence of people and their activities.
In order to safeguard our health, rooms must be properly
ventilated to improve the quality of the air we breathe.
Vortice® offers a wide range of products that are specially
designed for Residential place.*

CE MARKING

Residential ventilation products comply with the following European Directives:

- 2006/95/EC Low Voltage Directive (LVD)
- 2004/108/EC Electromagnetic Compatibility Directive (EMC)

According to the following state of the art Standards:

Safety:

EN 60335-1
EN 60335-2-80
EN 60335-2-31
EN 62233

EMC:

EN 55014-1
EN 55014-2
EN 61000-3-2
EN 61000-3-3

KOVENT

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