



PUNTO RANGE

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

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

- **53 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.

- **8 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 PIR

- **12 models:** The unit turns on a few seconds after the person has entered the room (sensor is located in an inclined position to increase sensitivity), and continues to operate during the person's presence. When the person leaves the room, the unit will continue to run from between 3 to 20 minutes depending on the timer setting.

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.



RANGE

Diam.	BASIC	TIMER	PIR	BASIC AUTOMATIC	TIMER AUTOMATIC	PIR AUTOMATIC
Ø100	11201 M 100/4" 11641 M 100/4" P	11211 M 100/4" T	11681 M 100/4" PIR	11221 M 100/4" A 11646 M 100/4" AP	11231 M 100/4" AT	11683 M 100/4" A PIR
Ø120	11301 M 120/5" 11741 M 120/5" P	11311 M 120/5" T	11781 M 120/5" PIR	11321 M 120/5" A 11746 M 120/5" AP	11331 M 120/5" AT	11783 M 120/5" A PIR
Ø150	11401 M 150/6" 11851 M 150/6" P	11411 M 150/6" T	11881 M 150/6" PIR	11421 M 150/6" A 11856 M 150/6" AP	11431 M 150/6" AT	11883 M 150/6" A PIR

Diam.	BASIC LONG LIFE	TIMER LONG LIFE	PIR LONG LIFE	LONG LIFE AUTOMATIC	TIMER AUTOMATIC LONG LIFE	PIR AUTOMATIC LONG LIFE	TIMER AUTOMATIC HCS LONG LIFE
Ø100	11202 M 100/4" LL	11212 M 100/4" T LL	11682 M 100/4" PIR LL	11222 M 100/4" A LL	11232 M 100/4" AT LL	11684 M 100/4" A PIR LL	11616 M 100/4" AT HCS LL
Ø120	11302 M 120/5" LL	11312 M 120/5" T LL	11782 M 120/5" PIR LL	11322 M 120/5" A LL	11332 M 120/5" AT LL	11784 M 120/5" A PIR LL	11692 M 120/5" AT HCS LL
Ø150	11402 M 150/6" LL	11412 M 150/6" T LL	11882 M 150/6" PIR LL	11422 M 150/6" A LL	11432 M 150/6" AT LL	11884 M 150/6" A PIR LL	11698 M 150/6" AT HCS LL

Diam.	BASIC 12 V	TIMER 12V	BASIC AUTOMATIC 12 V	TIMER AUTOMATIC 12V
Ø100	11203 M 100/4" 12V 22150 GA 12V	11203 M 100/4" 12V 22150 GA 12V T	11223 M 100/4" A 12V 22150 GA 12V	11223 M 100/4" A 12V 22151 GA 12V T

TECHNICAL DATA

MODELS	V~50HZ	W max	A max	RPM max	MAX AIRFLOW		MAX PRESSURE		Lp dB(A) 3m max	MAX °C	KG
					m³/h	l/s	mmH ₂ O	Pa			
M 100/4"	220-240	18	0.10	2300	90	25	3	29	37.5	50	0.60
M 120/5"	220-240	20	0.12	2100	175	48.6	4.5	44	39.5	50	0.80
M 150/6"	220-240	30	0.15	2100	335	93.1	6	59	46.0	50	1.10

PUNTO RANGE
WALL/WINDOW AXIAL FANS

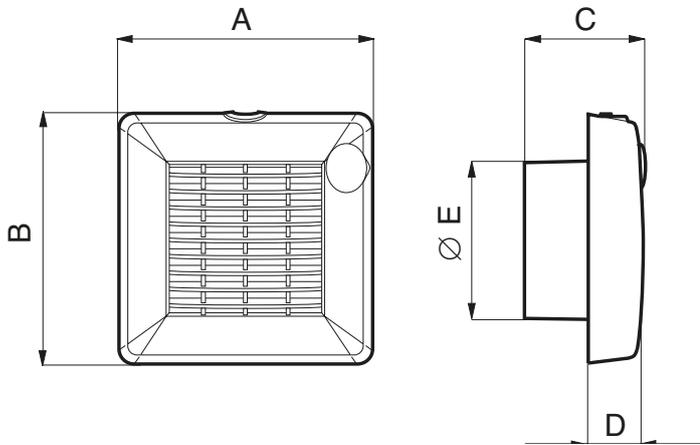
PUNTO RANGE | TECHNICAL DATA FOR REGULATION N° 1254/2014/UE

	UNIT OF MEASURE	M 90/3.5"	M 100/4"	M 120/5"	M 150/6"
Supplier's name or trade mark	-	VORTICE	VORTICE	VORTICE	VORTICE
Specific Energy Consumption class SEC in average climate zone	-	NA*	NA*	NA*	NA*
Specific Energy Consumption class SEC average		-4.1	-6.6	-8.0	-9.7
Specific Energy Consumption class SEC cold	kWh/m ² year	-17.5	-20.0	-21.3	-23.0
Specific Energy Consumption class SEC warm		3.5	1.0	-0.3	-20
Declared typology	-	RVU-U*	RVU-U*	RVU-U*	RVU-U*
Type of drive	-	NA	NA	NA	NA
Type of heat recovery system HRS	-	none	none	none	none
Thermal efficiency of heat recovery at reference air flow	%	NA*	NA*	NA*	NA*
Maximum flow rate	m ³ /h	67	89	164	324
Electric power input of the fan drive, including any motor control equipment, at maximum flow rate	W	13.3	13.7	20.6	27.8
Sound power level LWA	LWA [DB(A)]	60	58	60	67
Reference flow rate	m ³ /s	0.0129	0.173	0.0319	0.630
Reference pressure difference	Pa	20	15	20	28
SPI	W/(m ³ /h)	0.28571	0.21348	0.17422	0.12434
Control factor CTRL	-	1	1	1	1
Control typology	-	manual	manual	manual	manual
Maximum internal leakage rates	%	NA	NA	NA	NA
Maximum external leakage rates	%	NA	NA	NA	NA
Mixing rate	-	NA	NA	NA	NA
Position and description of visual filter warning	-	NA	NA	NA	NA
Airflow sensitivity to pressure variations at + 20 Pa and – 20 Pa	-	NA	NA	NA	NA
Indoor/outdoor air tightness	m ³ /h	NA	NA	NA	NA
Annual electricity consumption (AEC)	kWh electricity/year	394	294	240	171
AHS average Annual heating saved		1397	1397	1397	1397
AHS cold Annual heating saved	kWh primary energy/year	2732	2732	2732	2732
AHS warm Annual heating saved		632	632	632	632

* RVU-U: Unit Ventilation Residential - Unidirectional
 ** NRVU-U: Unit Ventilation Non Residential - Unidirectional
 *** MSD: Multi-Speed Drive
 NA: Not applicable



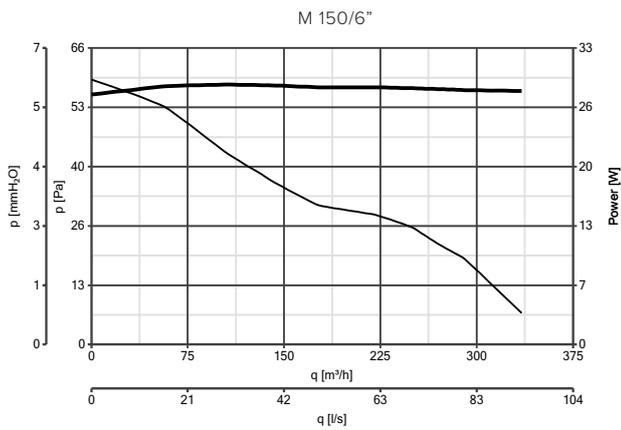
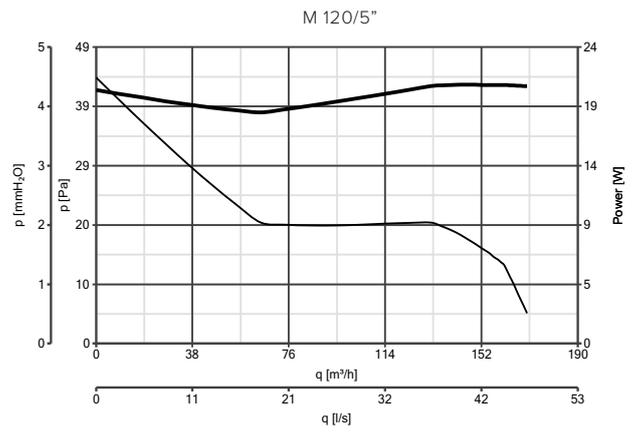
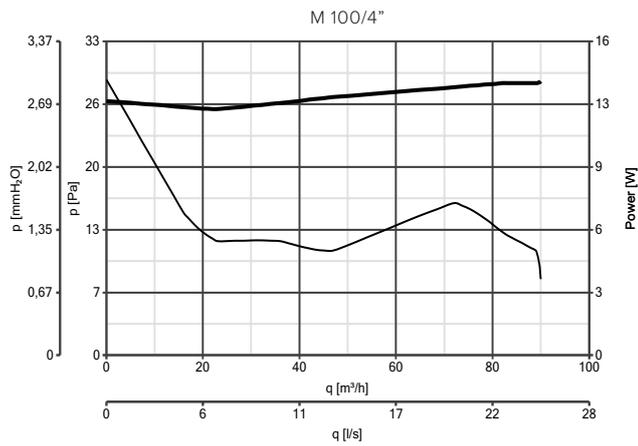
DIMENSIONS



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

Dimensions (mm)

PERFORMANCE CURVES



 Power consumption
 Delivery

PUNTO RANGE
WALL/WINDOW AXIAL FANS

CONTROLLER

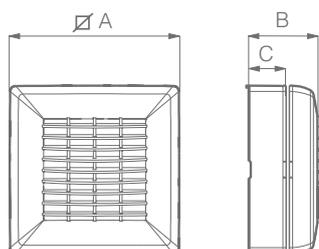
MODELS	DESCRIPTION	CODE	PRODUCT
	IREM 30 - Single phase speed controller	12912	All products
	C 1.5 - Electronic speed controller 1.5 A	12966	11201- 11202 - 11222 - 11301 - 11302 11321 - 11322 - 11401 - 11402 - 11421 - 11422
	SCNRB - Electronic speed controller built-in	12971	11201- 11202 - 11221 - 11222 - 11301 11302 - 11321 - 11322 - 11401 - 11402 - 11421 11422
	SCB KIT - Built-in controller adaptor for C 1.5	22481	12966

ACCESSORIES ON REQUEST

MODELS	DESCRIPTION	CODE	PRODUCT
	F KIT - Kit to window-mount	100/4"	11201 - 11202 - 11203 - 11211 - 11212 - 11681 - 11682 - 11221 - 11222 - 11223 - 11231 - 11232 - 11683 - 11684 - 11616
		120/5"	11301 - 11302 - 11311 - 11312 - 11781 - 11782 - 11783 - 11321 - 11322 - 11331 - 11332 - 11784 - 11692
		150/6"	11401 - 11402 - 11411 - 11412 - 11881 - 11882 - 11421 - 11422 - 11431 - 11432 - 11883 - 11884 - 11698
	S KIT - Ceiling kit	100/4"	11201 - 11202 - 11203 - 11211 11212 - 11681 - 11682 - 11221 - 11222 - 11223 11231 - 11232 - 11683 - 11684 - 11616
		120/5"	11301 - 11302 - 11311 - 11312 - 11781 - 11782 - 11783 - 11321 - 11322 - 11331 - 11332 - 11784 - 11692
		150/6"	11401 - 11402 - 11411 - 11412 - 11881 - 11882 - 11421 - 11422 - 11431 - 11432 - 11883 - 11884 - 11698
	GA	12V	11203 - 11223
		12V T	11203 - 11223

F KIT - KIT TO WINDOW-MOUNT TECHNICAL DATA AND DIMENSIONS OF THE "PRODUCT+KIT".

MODELS	KIT	CODE	W	A	RPM	MAX AIRFLOW		LP DB(A) 3m	MAX °C	KG
						m ³ /h	l/s			
M 100/4"	F 100/4"	22131	18	0.10	2300	85	23.6	38	50	0.85
M 120/5"	F 120/5"	22132	20	0.12	2000	140	38.9	40.5	50	1.15
M 150/6"	F 150/6"	22133	30	0.15	1950	280	77.8	44.5	50	1.56



MODELS	Ø A	B	C	Ø GLASS HOLE	THICKNESS
M 100/4"	158	69	22	123 ÷ 128	20
M 120/5"	179	80	33	143 ÷ 148	20
M 150/6"	213	87	40	178 ÷ 183	20

Dimensions (mm)

APPLICATIONS

