



Design: F. Trabucco & Associates



## PUNTO FILO RANGE

Wall axial fans **LONG LIFE 30.000 h**

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

- **21 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 Relative Humidity threshold at 60%, 70%, 80%, 90% by mean of a slide switch during installation.
- Protection rating: IPX4.
- Insulation class: II

### RANGE

**TIMER**

**PIR** Passive Infrared

**T-HCS** Humidity Control System - Timer

Ø 90		11122 MF 90/3.5"	11126 MF 90/3.5" T		
	<b>LONG LIFE 30.000 h</b>				
Ø100		11123 MF 100/4"	11127 MF 100/4" T		
	<b>LONG LIFE 30.000 h</b>	11131 MF 100/4" LL	11135 MF 100/4" T LL	11185 MF 100/4" PIR LL	11139 MF 100/4" THCS LL
Ø 120		11124 MF 120/5"	11128 MF 120/5" T		
	<b>LONG LIFE 30.000 h</b>	11132 MF 120/5" LL	11136 MF 120/5" T LL	11186 MF 120/5" PIR LL	11149 MF 120/5" THCS LL
Ø 150		11125 MF 150/6"	11129 MF 150/6" T		
	<b>LONG LIFE 30.000 h</b>	11133 MF 150/6" LL	11137 MF 150/6" T LL	11187 MF 150/6" PIR LL	11176 MF 150/6" THCS LL



## TECHNICAL DATA

MODELS	V~50Hz	W	A	RPM	MAX AIRFLOW		MAX PRESSURE		Lp dB(A) 3 m	MAX °C	Kg
					m <sup>3</sup> /h	l/s	mmH <sub>2</sub> O	Pa			
MF 90/3.5"	230 - 240	14	0.08	2500	65	18	2.5	25	28.8	50	0.5
MF 100/4"		15	0.09	2400	85	24	3	29	31.0		
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		

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

Models Code	Unit of measurement	MF 90/3.5"	MF 100/4"	MF 120/5"	MF 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	kWh/m <sup>2</sup> a	-2,5	-5,4	-8,8	-9,9
Specific Energy Consumption class SEC cold		-15,9	-18,7	-22,1	-23,2
Specific Energy Consumption class SEC warm		5,1	2,3	-1,1	-2,2
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 <sup>3</sup> /s	55	78	173	332
Electric power input of the fan drive, including any motor control equipment, at maximum flow rate	W	12,9	14,1	21,4	26,7
Sound power level LWA	LWA [dB(A)]	49	52	60	61
Reference flow rate	m <sup>3</sup> /s	0,0107	0,0152	0,0336	0,0646
Reference pressure difference	Pa	19	17	24	32
SPI	W/(m <sup>3</sup> /h)	0,33247	0,24908	0,15111	0,11833
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	m <sup>3</sup> /h	NA	NA	NA	NA
Indoor/outdoor air tightness	-	NA	NA	NA	NA
Annual electricity consumption (AEC)	kWh electricity/a	458	343	208	163
AHS average Annual heating saved	kWh primary energy/a	1397	1397	1397	1397
AHS cold Annual heating saved		2732	2732	2732	2732
AHS warm Annual heating saved		632	632	632	632

\* RVU-U: Unit Ventilation Residential - Unidirectional

\*\* NRUV-U: Unit Ventilation Non Residential - Unidirectional

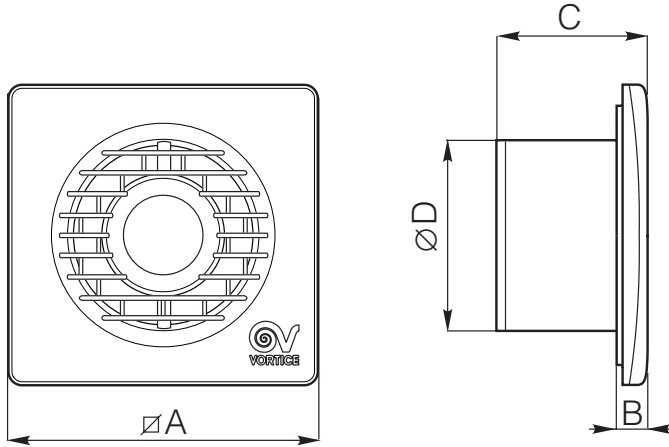
\*\*\* MSD: Multi-Speed Drive



# RESIDENTIAL VENTILATION

## PUNTO FILO RANGE

### DIMENSIONS

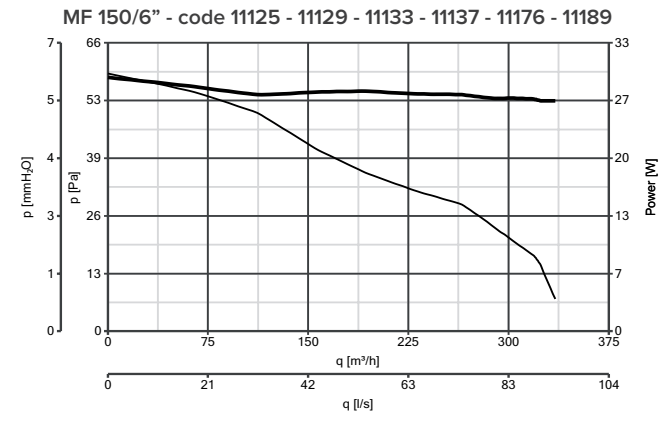
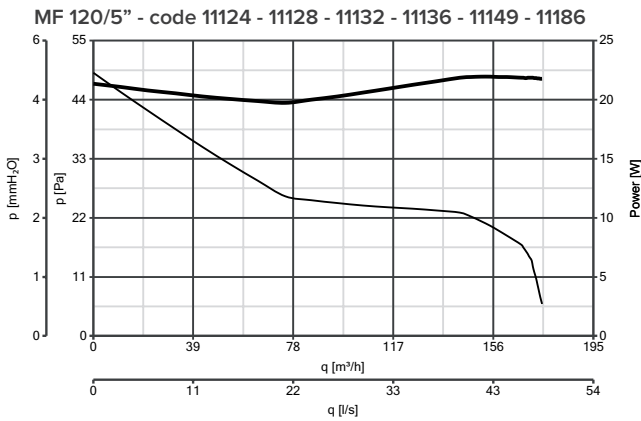
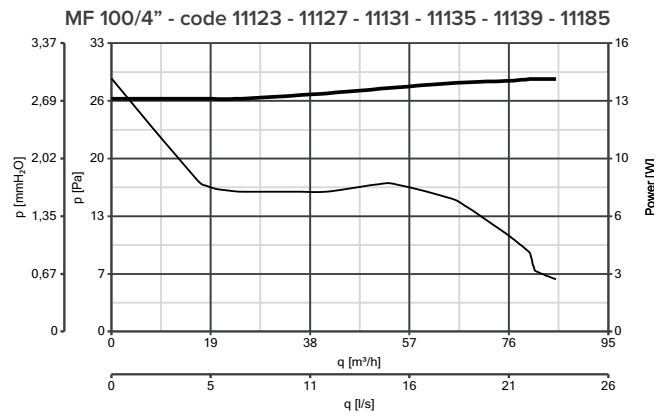
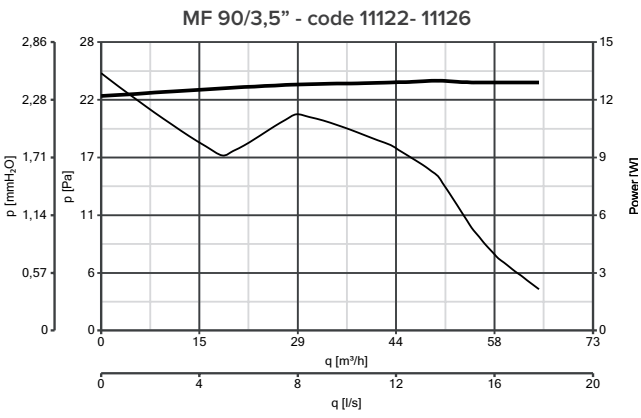


MODELS	Ø A	B	C	Ø D
MF 90/3.5"	159	17	77	92.5
MF 100/4"				98
MF 120/5"	179	17	89	119
MF 150/6"	214		96	156

Dimensions (mm)




### PERFORMANCE CURVES

— Power consumption — Delivery





ACCESSORIES ON REQUEST

MODELS	DESCRIPTION	CODE	PRODUCT	
	C 1.5 Electronic speed controller 1.5 A	12966	11122 - 11123 - 11131 - 11124 - 11132 - 11125 - 11133	
	SCB KIT Built-in controller adaptor for C 1.5	22481	12966	
	SF KIT - Ceiling kit	90 - 100	22162	11122 - 11126 - 11123 - 11131 - 11127 11135 - 11185 - 11139
		120	22163	11124 - 11132 - 11128 - 11136 - 11186 - 11149
		150	22164	11125 - 11133 - 11129 - 11137 - 11187 - 11176

Accessories on request (description and technical data on page 146)

APPLICATIONS

