



PUNTO EVO ES RANGE

Wall axial fans energy savings **LONG LIFE 30.000 h**

Wall, ceiling and false-ceiling axial fans, ideal for continuous ventilation (thanks to very low consumption of the electronic switch-over - EC brushless motors - used) in small and medium-size residential and commercial premises, also in the presence of medium length exhaust ducts.

Key features

- 2 speed EC motors with particularly low consumption
- Very low noise emissions for high comfort of use.
- Very high (IP45) protection rating from dust and water jets, exceeding the requirements of use in Zone 1 bathroom installations.
- Sealed non-return valves to prevent unwanted inflows of air and bad odours when the device is switched off.
- Reduced exhaust sleeve depth, compatible with installation immediately upstream of a 90° bend.



IPX5

Version

- 2 models, with nominal diameter 100 and 120 mm.

Technical features

- White, shock-proof, plastic resin (ABS) panels, prevents ageing caused by exposure to sunlight ("UV resistant").
- 2 speed, EC motors (brushless), heat protected and characterised by very low consumption, with shafts mounted on ball bearings to guarantee long lasting (at least 40,000 h) continuous service at the maximum plate temperature.
- Helico-centrifugal impellers optimised to ensure high performance, low consumption and low noise emissions, when coupled with underlying flow conditioners.
- Air-tight butterfly valve on the delivery spigots, to prevent unwanted inflows of air and bad odours when the device is switched off.
- Safety certified by third party body (IMQ)
- Protection rating from dust and water: IP45.
- Class of electric isolation: II □ (earthing not required).

TECHNICAL DATA

MODELS	CODE	V~50HZ	W min/max	A min/max	RPM min/max	MAX AIRFLOW		MAX PRESSURE		Lp dB(A)* 3m min/max	Lw dB(A) 3m min/max	MAX °C**	KG
						m³/h min/max	l/s min/max	mmH ₂ O min/max	Pa min/max				
ME 100/4" ES	11268	230	2.1 3.6	0.030 0.041	1680 2280	65 95	18.1 26.4	2.7 5.1	26.5 50.0	21.0 27.8	41.5 48.3	50	0.64
ME 120/5" ES	11269	230	3.3 7.0	0.040 0.068	1680 2150	130 180	36.1 50.0	3.6 5.8	35.3 56.9	26.2 33.3	46.7 53.8	50	0.80

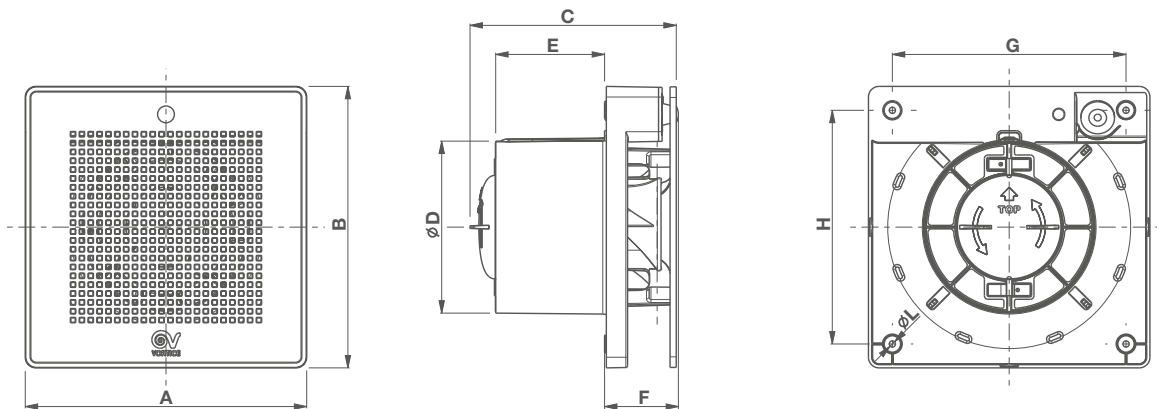


PUNTO EVO ES RANGE | TECHNICAL DATA FOR REGULATION N° 1254/2014/UE

	UNIT OF MEASURE	ME 100/4" ES	ME 120/5" ES
Supplier's name or trade mark	-	VORTICE	VORTICE
Specific Energy Consumption class SEC in average climate zone	-	NA	NA
Specific Energy Consumption class SEC average	-	-12.1	-12.3
Specific Energy Consumption class SEC cold	kWh/m ² year	-25.5	-25.6
Specific Energy Consumption class SEC warm	-	-4.5	-4.6
Declared typology	-	RVU-U*	RVU-U*
Type of drive	-	NA	NA
Type of heat recovery system HRS	-	none	none
Thermal efficiency of heat recovery at reference air flow	%	NA*	NA*
Maximum flow rate	m ³ /h	89	175
Electric power input of the fan drive, including any motor control equipment, at maximum flow rate	W	3.5	6.6
Sound power level LWA	LWA [DB(A)]	48	54
Reference flow rate	m ³ /s	0.0173	0.0340
Reference pressure difference	Pa	21	20
SPI	W/(m ³ /h)	0.05297	0.04980
Control factor CTRL	-	1	1
Control typology	-	manual	manual
Maximum internal leakage rates	%	NA	NA
Maximum external leakage rates	%	NA	NA
Mixing rate	-	NA	NA
Position and description of visual filter warning	-	NA	NA
Airflow sensitivity to pressure variations at + 20 Pa and - 20 Pa	-	NA	NA
Indoor/outdoor air tightness	m ³ /h	NA	NA
Annual electricity consumption (AEC)	kWh electricity/year	73	69
AHS average Annual heating saved	-	1397	1397
AHS cold Annual heating saved	kWh primary energy/year	2732	2732
AHS warm Annual heating saved	-	632	632

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

DIMENSIONS

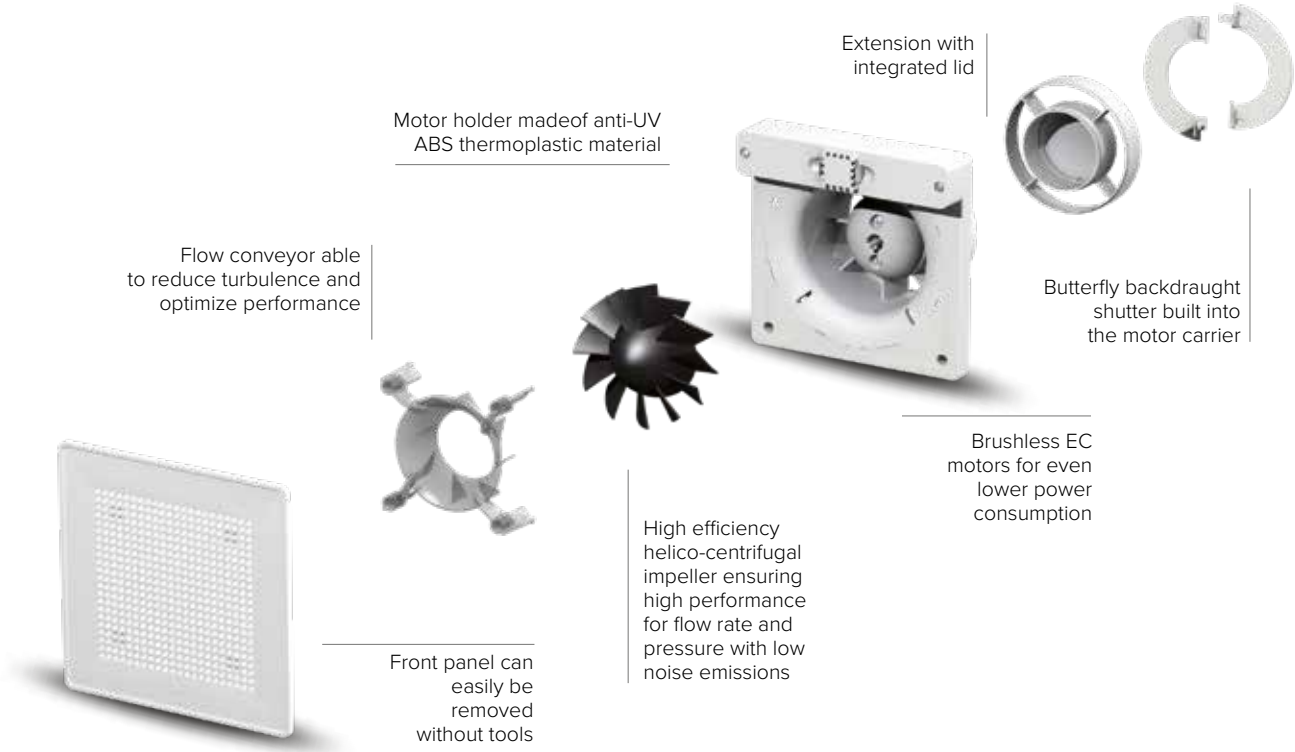


MODELS	A	B	C	ØD	E	F	G	H	ØL
ME 100/4" ES	159	159	132	98	77.5	40.5	132	132	3.5
ME 120/5" ES	179	179	138	118	81	42.5	152	152	3.5

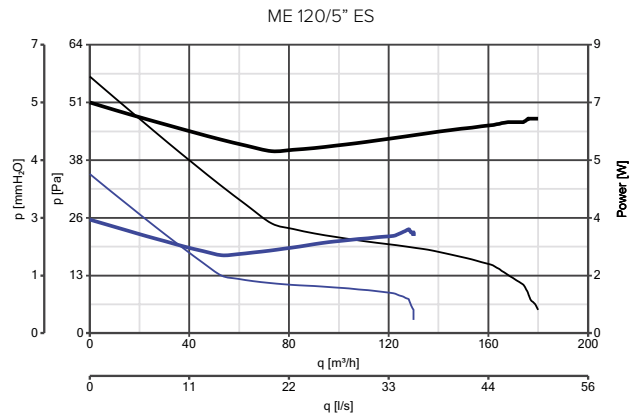
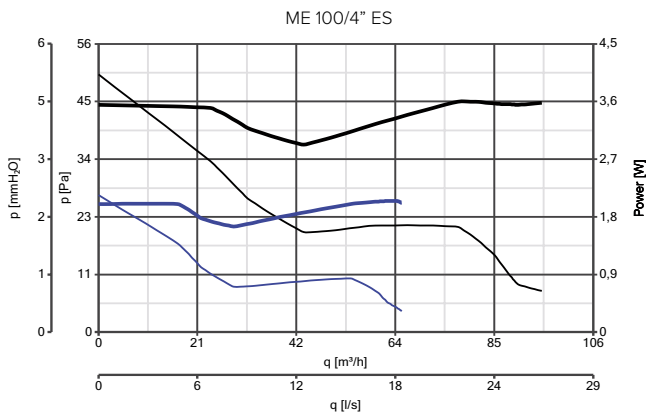
Dimensions (mm)

PUNTO EVO ES RANGE
WALL AXIAL FANS ENERGY SAVINGS

EXPLODED VIEW



PERFORMANCE CURVES



POWER CONSUMPTION
— max
— min

PERFORMANCE CURVES
— max
— min