

PUNTO EVO FLEXO RANGE

WALL AXIAL FANS



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Wall axial fans **LONG LIFE 90.000 h**

Wall, ceiling and false-ceiling axial fans, ideal for ventilation in small and medium-size residential and commercial premises, also in the presence of medium length exhaust ducts.

Key features

- Very low noise emissions for high comfort of use.
- Very high (IP45) protection rating from dust and water jets, Suitable for bathroom installation.
- Modern design, in line with the latest trends, which combines aesthetic elegance with easy product cleaning and maintenance.
- 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.
- Low consumption

Version

- 4 models, with nominal diameter 100 and 120 mm, also in the versions with timer.

Technical features

- White, shock-proof, plastic resin (ABS) panels, prevents ageing caused by exposure to sunlight ("UV resistant").
- Shaded pole motors, heat protected, with shafts mounted on ball bearings to guarantee long lasting (at least 30,000 h) continuous service at the maximum plate temperature. Speed adjustment using VORTICE accessory devices.
- 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.
- T models equipped with electronic timer for automatic product switch-off after a pre-fixed period of time, which can be set in the installation phase, from 3'-20' (default setting 3').
- Performance and safety certified by third party body (IMQ)
- Protection rating from dust and water: IP45.
- Class of electric isolation: II □ (earthing not required).

TECHNICAL DATA

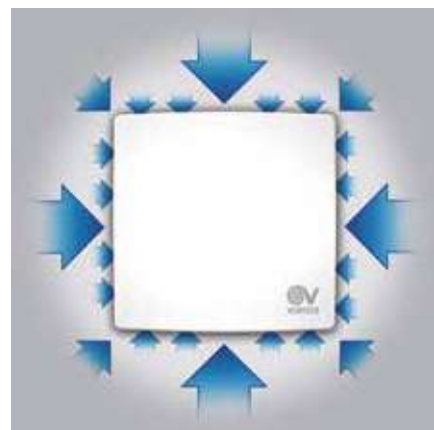
MODELS	CODE		V~50HZ	W max	A max	RPM max	MAX AIRFLOW		MAX PRESSURE		Lp dB(A) 3m max	MAX °C	KG
	BASIC	TIMER					m³/h	l/s	mmH ₂ O	Pa			
MEX 100/4" LL 1S	11313	11314	230	9	0.052	2175	90	25	4	39.23	26.9	50	0.60
MEX 120/5" LL 1S	11333	11334	230	13	0.095	2075	175	48.6	5	49.04	32.3	50	0.77



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

	UNIT OF MEASURE	MF 90/3.5"	MF 150/6"
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		-9,9	-10,0
Specific Energy Consumption class SEC cold	kWh/m ² year	-23,2	-23,4
Specific Energy Consumption class SEC warm		-2,2	-2,4
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	87	168
Electric power input of the fan drive, including any motor control equipment, at maximum flow rate	W	8,0	14,1
Sound power level LWA	LWA [DB(A)]	47	53
Reference flow rate	m ³ /s	0,0169	0,0327
Reference pressure difference	Pa	21	19
SPI	W/(m ³ /h)	0,11823	0,11480
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	163	158
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

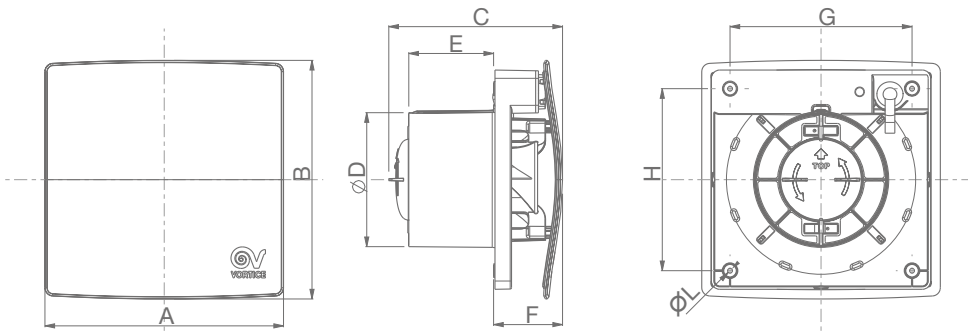
* RVU-U: Unit Ventilation Residential - Unidirectional - **NRVU-U: Unit Ventilation Non Residential - Unidirectional - ***MSD: Multi-Speed Drive - NA: Not applicable



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DIMENSIONS



MODELS

	A	B	C	Ø D	E	F	G	H	Ø L
MEX 100/4" LL 1S	173	173	126	98	61.5	50	132	132	3.5
MEX 100/4" LL 1S T	173	173	126	98	61.5	50	132	132	3.5
MEX 120/5" LL 1S	193	193	138	119	71	53	152	152	3.5
MEX 120/5" LL 1S T	193	193	138	119	71	53	152	152	3.5

Dimensions (mm)

EXPLODED VIEW

Flow conveyor able to reduce turbulence and optimize performance

Motor holder made of anti-UV ABS thermoplastic material

Butterfly backdraught shutter built into the motor carrier

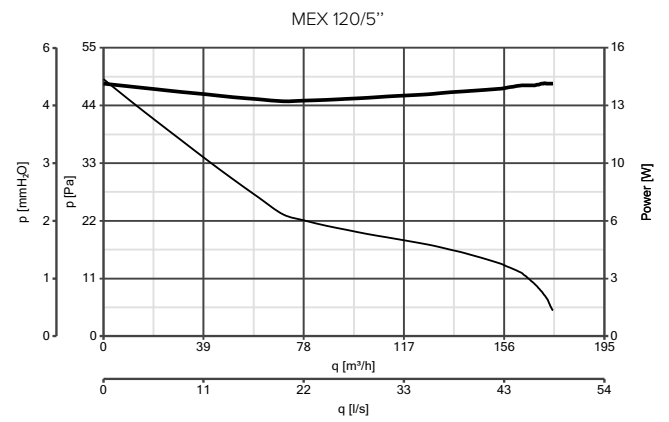
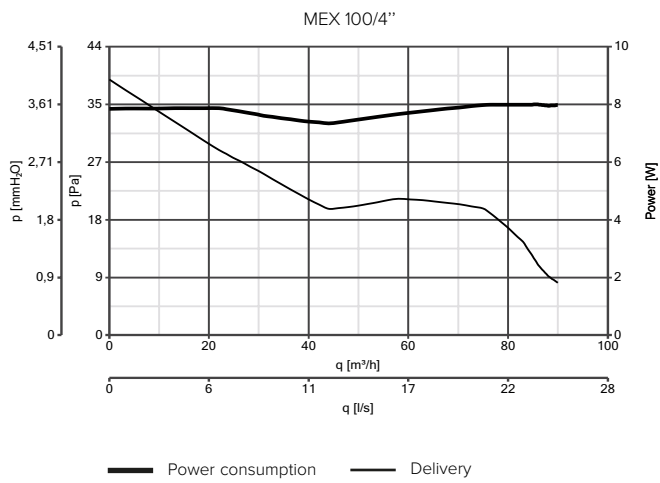
High efficiency helico-centrifugal impeller ensuring high performance for flow rate and pressure with low noise emissions

Front panel can easily be removed without tools





PERFORMANCE CURVES



APPLICATIONS

