



VORT NOTUS RANGE

AXIAL FANS FOR CONTINUOUS VENTILATION

CENTRALIZED VENTILATION

WALL MOUNTED

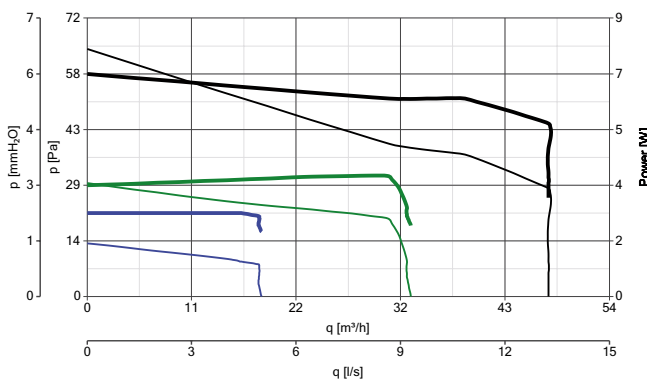
UP TO 60/90 M²

Axial wall and ceiling fans compatible with in-line installation, ideal for continuous ventilation, thanks to the very low consumption of the EC (brushless) motor used, of small and medium-sized residential and commercial premises whose plan allows direct or short ducted discharge.



- Self-extinguishing polypropylene casing.
- DC-EC motor with very low electrical consumption (max 6.4W), constant flow operation.
- Built-in adjustable timer (3'-20'), built-in humidity control sensor (adjustable from 60% to 90%).
- Protection degree IPX4.
- Power supply 220-230V - 50Hz

PERFORMANCE AND ABSORPTION



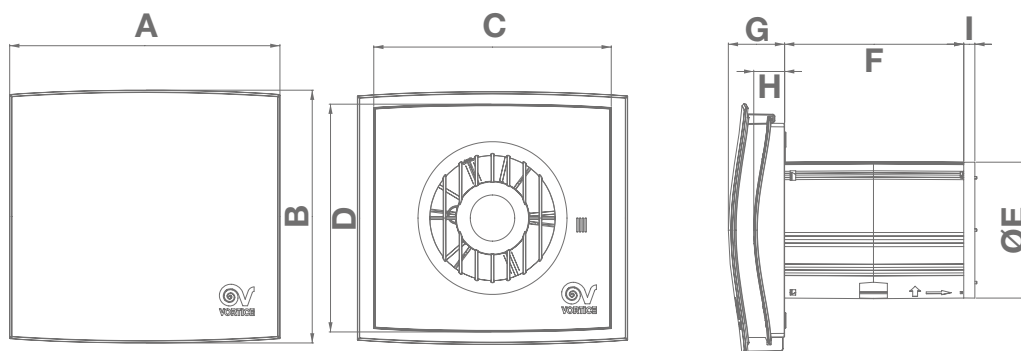
TECHNICAL DATA

PRODUCTS	CODE	Nom. Ø (mm)	(m ³ /h)	(W)	(PA)	Lp [dB (A)] 3m
VORT NOTUS	11177	100	42	6.4	86.3	17.3
VORT NOTUS T-HCS	11903	100	42	2.8	86.3	17.3

CONSUMPTION CURVES
 — max
 — med
 — min

PERFORMANCE CURVES
 — max
 — med
 — min

DIMENSIONS



PRODUCTS	CODE	A	B	C	D	ØE	F	G	H	I
VORT NOTUS	11177	194.6	182	171	164	97.8	129	40.5	22.2	8
VORT NOTUS T-HCS	11903	194.6	182	171	164	97.8	129	40.5	22.2	8

Dimensions in mm



ENERGY DATA

	UNIT OF MEASURE	VORT NOTUS VORT NOTUS T-HCS
MANUFACTURER'S NAME OR TRADE NAME	-	VORTICE
CLASS OF SPECIFIC ENERGY CONSUMPTION FOR TEMPERATE CLIMATE	-	NA*
SPECIFIC ENERGY CONSUMPTION SEC (TEMPERATE CLIMATE)	kWh/m ² year	-6.2
SPECIFIC ENERGY CONSUMPTION SEC (COLD CLIMATE)		-19.5
SPECIFIC ENERGY CONSUMPTION SEC (WARM CLIMATE)		1.5
DECLARED TYPE OF THE VENTILATION UNIT	-	UVR-U**
DRIVE TYPE	-	NA*
HRS TYPE HEAT EXCHANGER	-	absent
THERMAL EFFICIENCY OF HEAT RECOVERY AT THE HRS REFERENCE FLOW RATE	%	NA*
MAXIMUM FLOW RATE	m ³ /h	43
TOTAL ELECTRIC POWER ABSORBED BY THE FAN AT MAXIMUM FLOW RATE	w	3.5
Sound LEVEL	LWA [dB(A)]	32.4
REFERENCE FLOW RATE	m ³ /s	0.0084
REFERENCE PRESSURE DIFFERENCE	Pa	62
SPI****	W/(m ³ /h)	0.22591
CTRL CONTROL FACTOR	-	1
CONTROL TYPE	-	manual
MAXIMUM PERCENTAGE OF INTERNAL LEAKAGE	%	NA*
MAXIMUM PERCENTAGE OF EXTERNAL LEAKAGE	%	NA*
MIXING RATE	-	NA*
POSITION AND DESCRIPTION OF THE VISUAL FILTER SIGNAL	-	na*
AIR FLOW SENSITIVITY AT PRESSURE VARIATIONS OF ± 20 PA	-	NA*
INDOOR/OUTDOOR AIR SEALING	m ³ /h	NA*
AEC ANNUAL ELECTRICITY CONSUMPTION	kWh of electricity/year	311
TEMPERATE AHS ANNUAL HEATING SAVINGS	kWh of primary energy /year	1397
COLD AHS ANNUAL HEATING SAVINGS		2732
WARM AHS ANNUAL HEATING SAVING		632

* NA: Not applicable. ** UVR-U: Residential Ventilation Unit - Uni-directional. *** VM: Multiple speeds. VSD: Variable Speed Drive.

**** SPI: Specific power input.



VORT NOTUS RANGE

AXIAL FANS FOR CONTINUOUS VENTILATION

TECHNICAL CHARACTERISTICS

- **2 models** with a nominal diameter of 100 mm, also in version with timer and humidistat.
- **Plastic resin construction** (ABS) white, resistant TO impact and aging due to exposure to the sun ("UV resistant").
- **EC motors (brushless)**, thermally protected, with external rotor, with shafts mounted on ball bearings to guarantee prolonged continuous service (at least 30,000 h) at the maximum plate temperature, characterized by very low consumption and capable of delivering 3 different flow levels, 2 of which can be set as an alternative at the time of installation.
- Helical impellers with wing profile blades **optimized to combine high efficiency with low sound emissions**.
- T-HCS model **equipped with an electronic board with relative humidity sensor (RH)** which automatically switches from the minimum flow previously set to the maximum flow. The board integrates an electronic timer that restores operation at minimum speed, after the return of the RH below the threshold value, with a delay that can be set during installation in the 3'-20' interval (default setting 3').
- Performance and safety certified by third parties (CE and BRE).
- **Degree of dust and water protection:** IPX4 (suitable for Zone 1 installation).
- **Electrical insulation class:** II (grounding not required).

TECHNICAL DATA

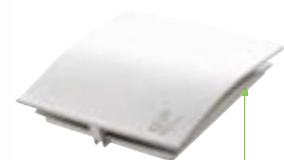
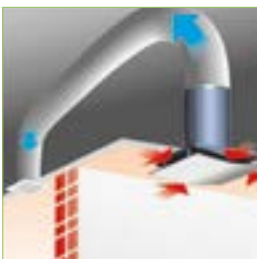
PRODUCTS	CODE	V~50HZ	W min/max	A min/max	MAX FLOW RATE		MAX PRESSURE		Lp dB(A)* 3m min/max	°C* MAX	KG
					m ³ /h min/max	l/s min/max	mmH ₂ O min/max	Pa min/max			
VORT NOTUS	11903	220-230	1.5 2.8	0.018 0.025	11.7 42.0	3.3 11.7	2.4 8.8	23.5 86.3	10.1 17.3	50	0.80
VORT NOTUS T-HCS	11177	220-230	2.1 6.4	0.028 0.037	11.7 42.0	3.3 11.7	2.4 8.8	23.5 86.3	10.1 17.3	50	0.80

* Acoustic pressure measured from 3 m in free field, in compliance with ISO 3741.

** Maximum continuous operating temperature of the product.



DETAILS



Reduced thickness (approx. 40 mm) which minimizes visual impact.

Reliability over time: the duration of the motors is guaranteed for at least 30,000h of continuous operation at the maximum certified temperature.

LONG LIFE 30.000 h

Strong water protection, suitable for use in Zone 1 of the bathrooms and in the presence of high humidity levels.