



VORT HR 300 NETI

NEW

Wall-mounted heat recovery systems

A

Dual flow centralised unit with heat recovery for floor and wall installation. Ideal for ventilation of homes and residential and commercial premises with surface area up to 180 m².

- 1 model.
- Casings in fire-resistant expanded polypropylene (DIN EN 13501). Brackets for wall-installation included in standard supply.
- Front plastic resin panels incorporating the panels for direct access to the filters.
- Extraction and delivery spigots compatible with pipes having nominal diameter equal to 125 mm.
- Pair of electric fans driven by external rotor EC motors (brushless) with shafts mounted on ball bearings to ensure virtually "maintenance-free" operation, directly coupled to backward-curved centrifugal impellers for high aeraulic efficiency. 3 operating speeds, can be set independently on installation.
- High efficiency counter cross flow heat exchanger, made in plastic resin (PS).
- Automatically activated anti-freeze protection to prevent the formation of frost at the heat exchanger.
- Mechanical by-pass, automatic and 100% filtered to guarantee the comfort of the occupants of the rooms in mid-season, or however when the outdoor temperature does not require the action of the heat exchanger.
- Built-in control panel unit supplied as per standard
 - product switch-on and switch-off;
 - the initial configuration of the product;
 - selection of operating speed;
 - programming operation;
 - monitoring of the correct operation of the product (any malfunctioning is highlighted through error messages shown on the display);
 - indication of the condition of the saturated filters on the display.
- Pair of filters (1 x M5 outdoor air filter +1 x G4 expulsion filter), easily accessible for cleaning and replacement to guarantee the quality of the air introduced into the rooms and for protection of the internal components.
- Connections to piping positioned on the upper part of the product for easy installation on the floor or wall.
- Small dimensions (600x812x317mm) to guarantee easy installation, configuration and use.
- Performance and safety certified by third party body (CE).
- Protection rating from dusts and water: IPX2.
- Class of electric isolation: II (earthing not required).



KEY FEATURES

- High (up to 92,5%) heat exchange efficiency.
- High performance, suitable for correct ventilation of small and medium sized apartments and villas.
- Mechanical by-pass, 100% filtered, for natural ventilation (free-cooling) on summer evenings.



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TECHNICAL DATA

MODELS	CODE	V~50HZ	W max	A max	MAX FLOW RATE		MAX PRESSURE		°C* MAX	Kg
					m ³ /h	l/s	mmH ₂ O	Pa		
VORT HR 300 NETI	10935	220-240	190	1,35	300	83	75	735	40	15

* Product continuous operation maximum temperature.

ENERGY DATA

	UNIT OF MEASUREMENT	VORT HR 300 NETI 10935
Manufacturer's name or brand name	-	Vortice
Specific energy consumption class for temperate climate	-	A
Specific energy consumption sec (temperate climate)	-	- 35
Specific energy consumption sec (cold climate)	kWh/m ² year	- 74
Specific energy consumption sec (hot climate)	-	- 11
Type of ventilation unit declared	-	UVR-B**
Type of drive	-	VSD***
Type of heat exchanger system HRS	-	with recovery
Heat efficiency of heat recovery at the reference flow rate HRS	%	87,9
Maximum flow rate	m ³ /h	270
Total electric power absorbed by the fan at maximum flow rate	W	190
Sound power level	LWA [DB(A)]	57,2
Reference flow rate	m ³ /s	0.0525
Reference pressure difference	Pa	56
SFI****	W/(m ³ /h)	0.4392
Control factor CTRL	-	0.85
Type of control	-	centralised env.
Maximum percentage of internal leakage	%	2,8
Maximum percentage of external leakage	%	2,3
Rate of mixture	-	NA*
Position and description of the filters visual signal	-	See user manual
Sensitivity of the air flow to pressure changes at ± 20 PA	-	0.27
Internal/external air sealing	m ³ /h	NA*
AEC annual consumption of electricity	kWh of electricity/year	442
AHS annual heating saved with temperate climate	-	4573
AHS annual heating saved with cold climate	kWh of primary energy/year	8946
AHS annual heating saved with hot climate	-	2068

Energy data pursuant to 1254/2014 EU Regulation

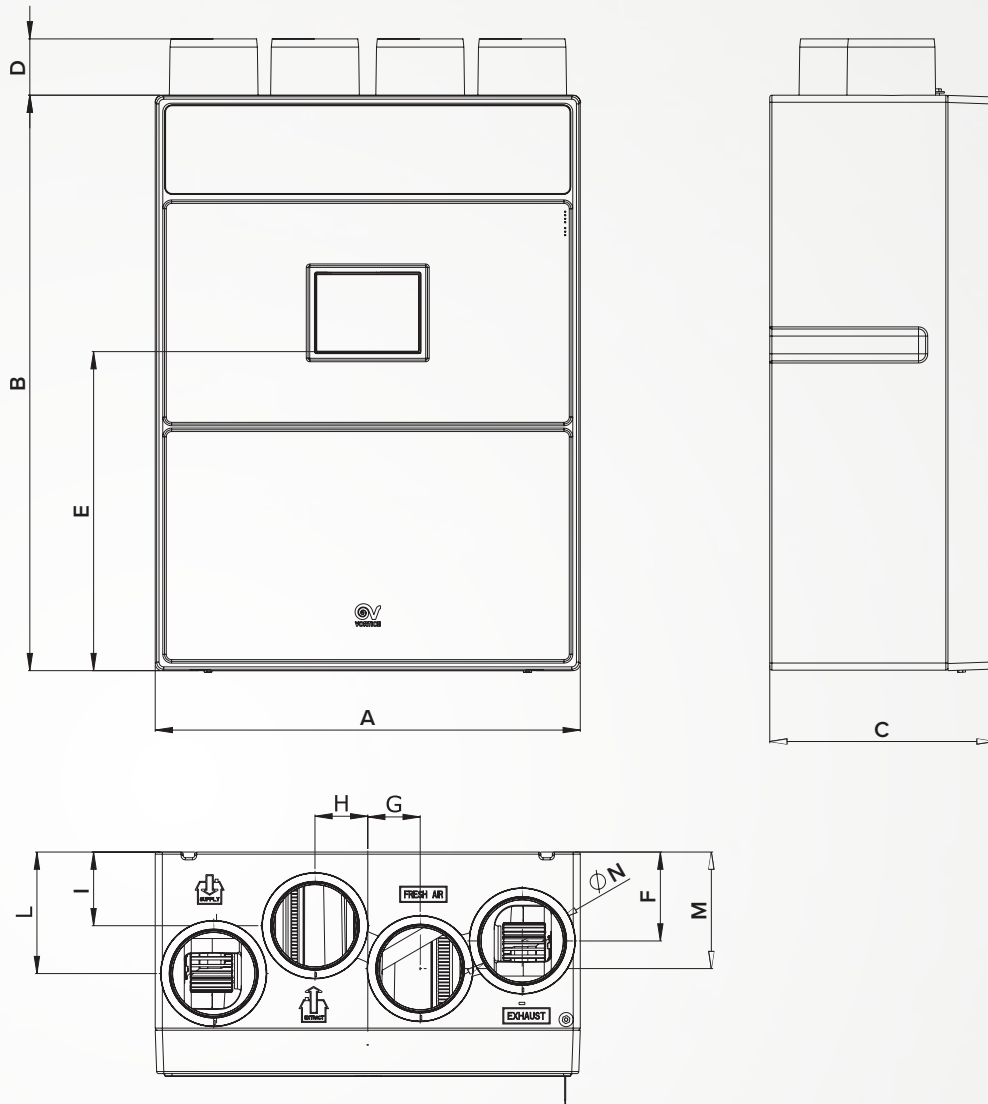
* NA: Not Applicable.

** UVR-B: Residential Ventilation Unit - Bidirectional.

*** VM: Multiple Speed. VSD: Variable Speed Drive.

**** SFI: Power absorbed power.

DIMENSIONS



MODELS	A	B	C	D	E	F	G	H	I	L	M	ØN
VORT HR 300 NETI	600	812	317	80	450	125	74	74	104	172	165	125

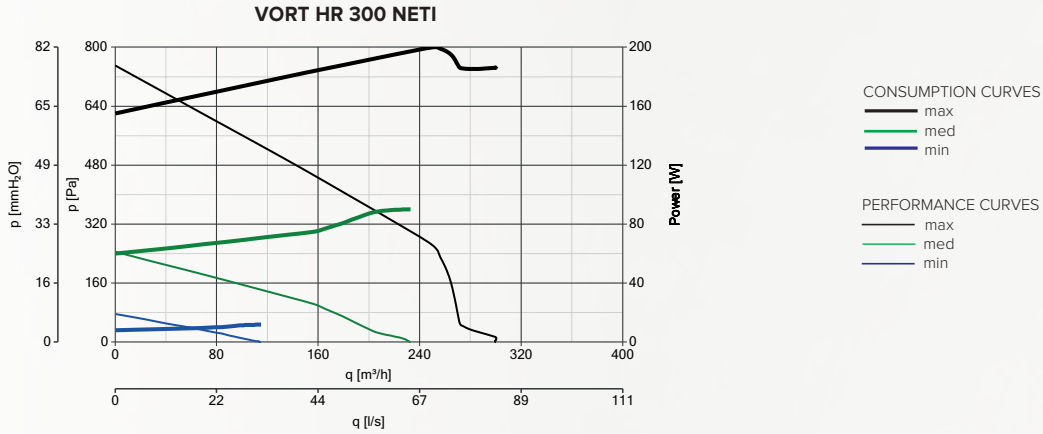
Dimensions (mm)



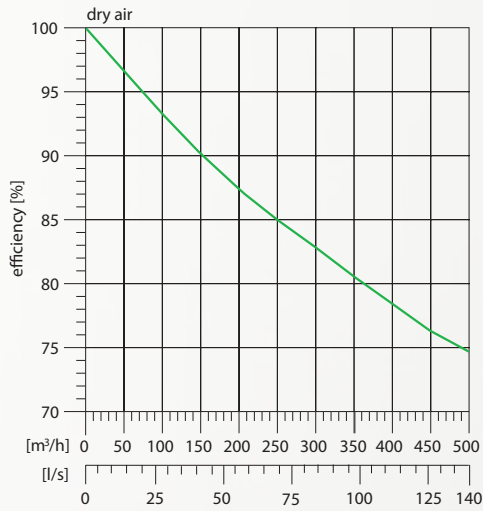
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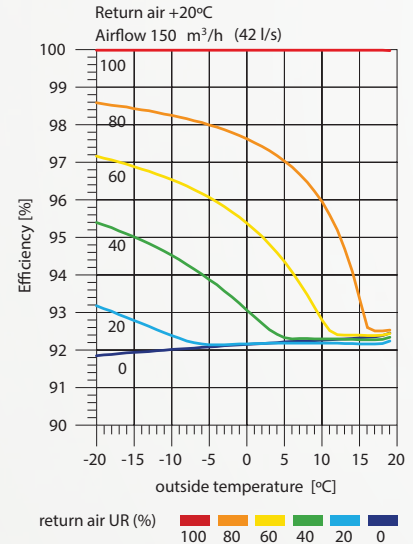
PERFORMANCE CURVES



Efficiency as a function of the airflow



Influence on efficiency due to condensation heat



ACCESSORIES



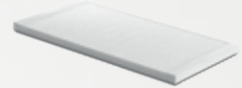
Electric heater HRI 200 PHANTOM
code 22734
Electric heater HRI 350 PHANTOM
code 22735



Electric heater 500
code 22467
Electric heater 1200
code 22468
Electric heater 1800
code 22469



F7 filter NET1
code 21201



F8 filter NET1
code 21202

CONTROLS



CB LCD R - code 21194
Remote unit control



CB LCD D - code 21381
Remote unit control



Box 503 - code 22461
Flush mounting box 503
only for code 21194

