



VORT NRG EC RANGE

Heat recovery units equipped with static heat exchangers characterized by high levels of heat exchange efficiency, top performances consumptions



COMPOSITION OF THE RANGE

The NEW RANGE of **VORT NRG EC** heat recovery units is made up of 9 models (air flow rates between 100 m³/h and 8000 m³/h), each available in two versions:

VORT NRG EC, suitable for installation in temperate climates.

VORT NRG EC EH, equipped with automatically controlled electric pre-heating coils, suitable for operation with outdoor temperatures down to -20 °C.

The composition of the new **VORT NRG EC** series is indicated below:

Products	Code	Products	Code
VORT NRG 600 EC	45380	VORT NRG 600 EC EH	45390
VORT NRG 800 EC	45381	VORT NRG 800 EC EH	45391
VORT NRG 1500 EC	45382	VORT NRG 1500 EC EH	45392
VORT NRG 2000 EC	45383	VORT NRG 2000 EC EH	45393
VORT NRG 2500 EC	45384	VORT NRG 2500 EC EH	45394
VORT NRG 3000 EC	45385	VORT NRG 3000 EC EH	45395
VORT NRG 4500 EC	45386	VORT NRG 4500 EC EH	45396
VORT NRG 6000 EC	45387	VORT NRG 6000 EC EH	45397
VORT NRG 8000 EC	45387	VORT NRG 8000 EC EH	45398

SPECIAL VERSIONS OF EACH MODEL, AVAILABLE ON REQUEST, INCLUDE:

- advanced electronics, compatible with the management of external devices such as post-heating coils (electric or hydronic), hydronic post-cooling coils and pre-heating coils (**FIRST** versions).
- a hydronic post-heating coil (**PREMIUM BC** versions)
- an electric post-heating coil (**PREMIUM BE** versions)
- a hydronic post-heating coil and a pre-heating coil (**INFINITE BC** versions)
- an electric post-heating coil and a pre-heating coil (**INFINITE BE** versions)
- Constant pressure fan control (**LOBBY** versions)
- Constant flow fan control (**MAC2** versions)
- Automatic modulation of fan speed, between two preset limits, according to the concentration of CO₂ in the connected rooms (**DIVA** versions)
- Automatic modulation of air flow rates of fresh and stale air, between two preset limits that remain constant with variations in back pressure, in response to the concentration of CO₂ in the connected rooms (**QUATTRO** versions)



FEATURES OF CONSTRUCTION

- Cabinet frame fabricated from rounded aluminium profiles; moulded nylon spacers incorporated to provide thermal break; sandwich panels with 10/10 gauge skins (inner: zinc-coated steel; outer: pre-lacquered steel (RAL 7035) with protective film); high density rock wool insulation layer (M0), thickness 25 mm in models 600, 800, 1500, 2000 and 2500, thickness 50 mm in models 3000, 4500, 6000 and 8000.
- 2-speed, ball bearing external rotor EC motors (speeds independently adjustable at installation) directly coupled to backward curved centrifugal impellers, capable of ensuring air flow rates up to 8000 m³/h in conjunction with low noise levels.
- Air-to air, aluminium made, counter-flow heat exchanger, granting Eurovent-certified efficiency better than 90% based on European standard EN 308. The heat exchange efficiency of the new VORT NRG EC appliances meets the most stringent requirements of EU regulation 1253/2014, Tier 2, to be implemented January 2018.
- Circular ports with lip seals guaranteeing airtight flow passage (excluding models 8000).
- 100% internal by-pass, automatically operated.
- Filters, G4 in the stale air extraction duct, F7 in the fresh air supply duct, both installed upstream of internal components to guarantee their protection, mounted on slide ways (for ease of removal), and fitted with lip seals to ensure a completely airtight fit.
- Condition of filters constantly monitored by a differential pressure switch with automatic alert generated when maintenance or replacement is due.
- Dedicated cabinet panels with lock and key closure, providing direct access to filters and internal components.
- Brackets incorporated into the cabinet structure, for anchorage to floors or to fixed/suspended ceilings.
- Internal tray, suitably angled, for collection and drainage of condensate.
- Local switch mounted on the external panel; to shut off the unit in the event of breakdown.
- Installation and initial configuration simplified by plug-and-play design.
- Construction compatible with installation outdoors (models 3000 - 4500 - 6000 - 8000), canopies and rain cowls optional.
- Horizontal installation (models 600 - 800 - 1500 - 2000 - 2500 - 3000 - 4500), Horizontal and vertical installation (models 3000 - 4500), Vertical installation (models 6000 - 8000)
- Built-in electric pre-heaters, automatically controlled (**EH** versions).
- Advanced controls (**EH** version), including wired remote control panels with LCD display, allowing integration into Building Management Systems (protocols supported: Modbus, BacNet, Web TCP-IP).



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CONTROLS AND SAFETY DEVICES

- **VORT NRG EC** models are equipped with potentiometers by way of which the speed of the two fans can be independently controlled.
- **VORT NRG EC EH** models incorporate advanced electronics including a wired control box with LCD display, connected by wire (maximum distance 100 m) for models 600, 800, 1500, 2000 and 2500, and built into the casing (enclosure rating IP65) for models 3000, 4500 6000 and 8000, which allows:
 - Independent control of fan speeds
 - Weekly programming of operating mode (control software includes a calendar with public holidays and vacations covered).
 - Check on the condition of filters and indication of the need for maintenance or replacement.
 - Setting of machine emergency response mode in the event of fire; there are 5 different settings provided, selectable at the moment of installation:
 - **“STOP”**: both fans cease operation.
 - **“ON”**: start up or continue operating at maximum speed all other alarms are ignored.
 - **“AUTO”**: the unit continues to operate on the basis of the setting (OFF, low speed, high speed) selected previously.
- **“SUPPLY ONLY”**: the fan on the supply air side is made to run at maximum speed, whilst the fan in the extraction duct is shut down.
- **“EXTRACT ONLY”**: the fan on the stale air extraction side is made to run at maximum speed, whilst the fan in the supply air duct is shut down.
- To enable these operating modes, each **VORT NRG EC EH** heat recovery unit incorporates a digital “external stop” contact allowing the connection of a manual switch: if available and wired up, this switch will always have priority over the fire emergency response operating modes.
- The air flow through each fan is permanently monitored by a dedicated pressure switch; any faults detected are indicated, in the case of **VORT NRG EC EH** versions, on the display of the control panel (in the case of **VORT NRG EC** versions, a voltage free contact is available for the connection of an external indicator device).
- The machine can be shut down in emergencies by means of a local switch, mounted on the cabinet of all models, which is padlockable to prevent unauthorized access.

GENERAL SPECIFICATIONS

Equipmen	VORT NRG EC models	VORT NRG EC EH models
Two speed low energy EC fan unit: speeds independently adjustable	•	•
F7 filter on fresh air supply duct	•	•
G4 filter on stale air extraction duct	•	•
Counter cross-flow heat exchanger delivering high efficiency (>90%), certified by Eurovent	•	•
100% by-pass	•	•
Angled tray for collection and drainage of condensate	•	•
Sandwich panels 25 mm thick, with high density rock wool insulation layer and RAL 7035 finish	(models 600 - 800 - 1500 - 2000 - 2500)	(models 600 - 800 - 1500 - 2000 - 2500)
Sandwich panels 50 mm thick, with high density rock wool insulation layer and RAL 7035 finish	(models 3000 - 4500 - 6000 - 8000)	(models 3000 - 4500 - 6000 - 8000)
Circular connection ports with lip seals	• (not for model 8000)	• (not for model 8000)
Remote wired control panel (up to 100 m), with LCD display	-	(models 600 - 800 - 1500 - 2000 - 2500)
Built-in control panel (IP65) with LCD display	-	(models 3000 - 4500 - 6000 - 8000)
Communication module for integration into BMS (protocols: MODBUS RS485, BACNET TCP/IP and WEB selectable in alternation from menu)	-	•
Minimum and Maximum fan speeds controlled from panel	-	•
Potentiometers for independent setting of fan speed	•	-
Temperature sensor in supply air duct	-	•
Temperature sensor in extraction air duct	-	•
By-pass defrost sensor	•	•
Outdoor temperature sensor	•	•
Pre-heating coil sensor	-	•
Safety thermostat on electric pre-heating coil	-	•
Lockable proximity switch	•	•
Power cable gland	•	•
Functions	VORT NRG EC models	VORT NRG EH models
Defrost via by-pass	•	-
Defrost via combined action of by-pass + modulation of fresh air flow rate + pre-heater	-	•
Automatically controlled electric pre-heating coil	-	•
Automatically controlled 100% internal by-pass (ON/OFF), automatic Summer/Winter selection	•	-
Automatically controlled 100% internal by-pass (0-100% modulating)	-	•
Free-cooling function	•	•
Night-cooling function (extra ventilation)	-	•
Fresh air temperature management	-	•
Return air temperature management	-	•
Weekly clock	-	•
Vacation and public holidays clock	-	•
Differential pressure switch monitoring filter in supply air duct	•	•
Pressure switches monitoring supply and extract air flows	•	•
System response modes in the event of fire (5 options)	-	•
Management of dehumidifier module	-	•
Accessories installable on site	VORT NRG EC models	VORT NRG EH models
Remote wired control panel (up to 100 m), with Touch Screen	-	*
Dehumidifier module	-	*

* Optional not fitted

• Standard equipment

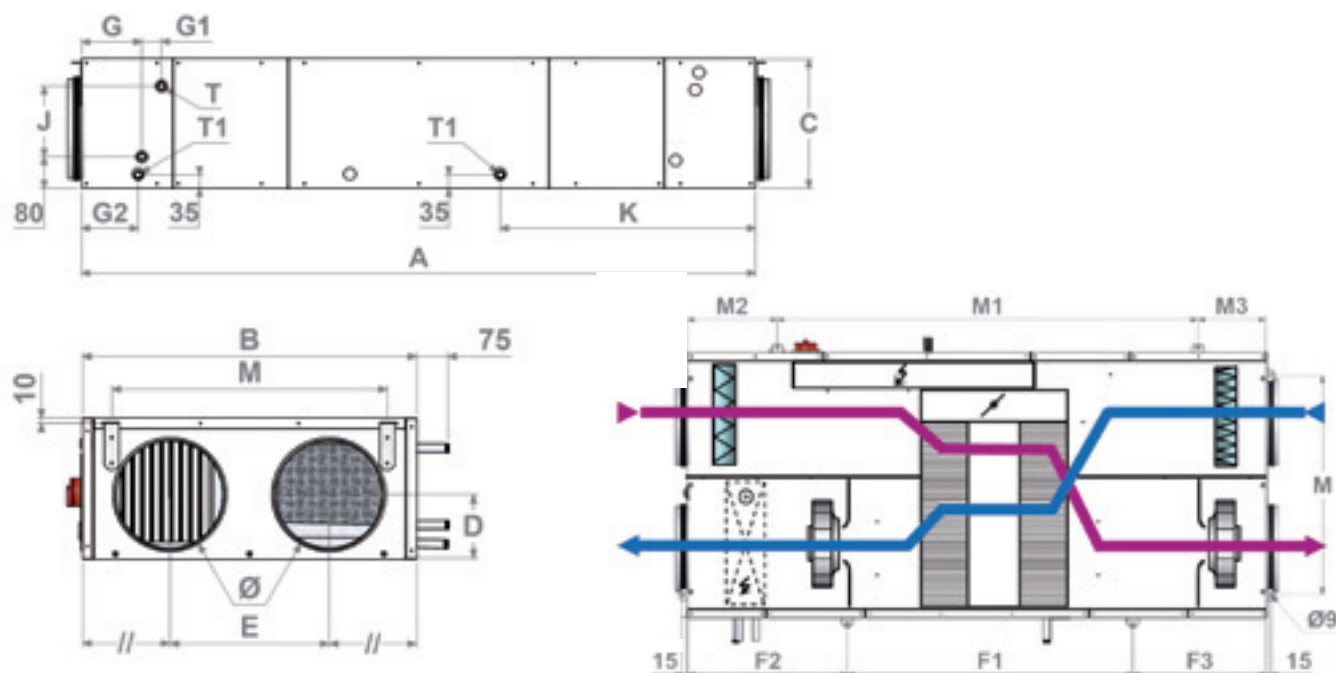
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DIMENSIONS MODELS 600-800-1500-2000-2500

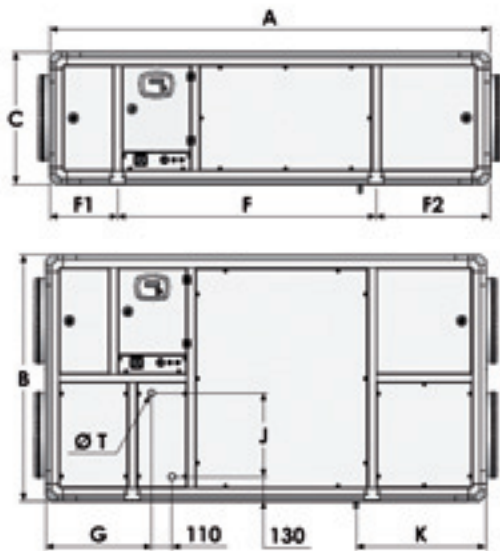


Models	Ø	A	B	C	D	E	F1	F2	F3	G	G1	G2	J	K	M	M1	M2	M3	T	T1
VORT NRG 600 EC	250	1700	780	330	150	370	-	-	-	150	50	145	180	645	640	-	-	-	1/2"	1/2"
VORT NRG 800 EC	315	2020	965	415	210	460	-	-	-	150	50	145	280	780	750	-	-	-	1/2"	1/2"
VORT NRG 1500 EC	355	2195	1220	415	215	600	885	695	615	430	50	145	280	845	950	1075	560	560	1/2"	1/2"
VORT NRG 2000 EC	400	2275	1220	495	245	600	940	715	620	430	50	425	330	885	950	1115	580	580	1/2"	1/2"
VORT NRG 2500 EC	400	2395	1740	495	235	910	840	785	770	430	50	425	330	985	1350	1235	580	580	1/2"	1/2"
VORT NRG 600 EC EH	250	1700	780	330	150	370	-	-	-	150	50	145	180	645	640	-	-	-	1/2"	1/2"
VORT NRG 800 EC EH	315	2020	965	415	210	460	-	-	-	150	50	145	280	780	750	-	-	-	1/2"	1/2"
VORT NRG 1500 EC EH	355	2195	1220	415	215	600	885	695	615	430	50	145	280	845	950	1075	560	560	1/2"	1/2"
VORT NRG 2000 EC EH	400	2275	1220	495	245	600	940	715	620	430	50	425	330	885	950	1115	580	580	1/2"	1/2"
VORT NRG 2500 EC EH	400	2395	1740	495	235	910	840	785	770	430	50	425	330	985	1350	1235	580	580	1/2"	1/2"

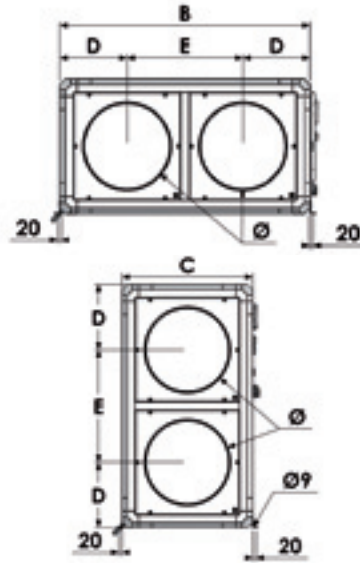
Dimensions (mm)

DIMENSIONS MODELS 3000-4500-6000-8000

HORIZONTAL MOUNTING
MODELS 3000 - 4500



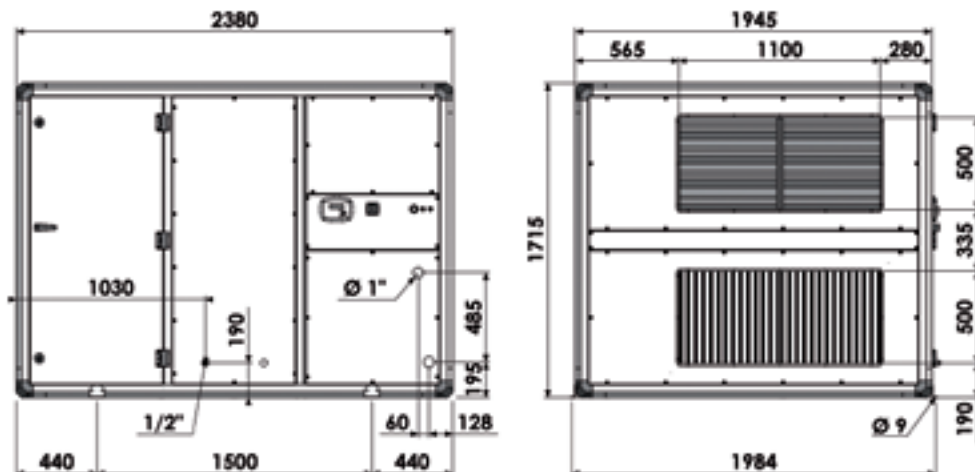
VERTICAL MOUNTING
MODELS 3000 - 4500 - 6000



Models	Ø	A	B	C	D	E	F	F1	F2	J	K	Ø T
VORT NRG 3000 EC	450	2345	1315	705	355	605	1376	362	607	445	690	3/4"
VORT NRG 4500 EC	500	2625	1515	805	405	705	1520	450	655	545	740	3/4"
VORT NRG 6000 EC	630	2970	1715	1030	455	805	1677	535	758	645	840	1"
VORT NRG 3000 EC EH	450	2345	1315	705	355	605	1376	362	607	445	690	3/4"
VORT NRG 4500 EC EH	500	2625	1515	805	405	705	1520	450	655	545	740	3/4"
VORT NRG 6000 EC EH	630	2970	1715	1030	455	805	1677	535	758	645	840	1"

Dimensions (mm)

VERTICAL MOUNTING MODEL 8000





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TECHNICAL DATA

Models	Code	Max air flow (m ³ /h)	Pre heater power (kW)	Fans					Electrical power supply				Kg
				Rated power of motors (W)	Operating temperature (°C)	IP class	Insulation class	Thermal overload protection (*)	Voltage (V)	N° phases	Frequency (Hz)	Protection current (A)	
VORT NRG 600 EC	45380	650	-	2X169	-20/+60	IP54	B	PTI	230	1	50	2,8	120
VORT NRG 800 EC	45381	950	-	2X220	-20/+60	IP44	B	PTI	230	1	50	3,4	180
VORT NRG 1500 EC	45382	1550	-	2X400	-20/+40	IP44	F	PTI	230	1	50	8,6	255
VORT NRG 2000 EC	45383	2100	-	2X400	-20/+40	IP44	F	PTI	230	1	50	8,6	275
VORT NRG 2500 EC	45384	2600	-	2X400	-20/+40	IP44	F	PTI	230	1	50	8,6	380
VORT NRG 600 EC EH	45390	650	1.25	2X169	-20/+60	IP54	B	PTI	230	1	50	8,2	127
VORT NRG 800 EC EH	45391	950	2.50	2X220	-20/+60	IP44	B	PTI	230	1	50	14,3	190
VORT NRG 1500 EC EH	45392	1550	3.5	2X400	-20/+40	IP44	F	PTI	230	1	50	23,8	265
VORT NRG 2000 EC EH	45393	2100	3.75	2X400	-20/+40	IP44	F	PTI	230	1	50	24,9	285
VORT NRG 2500 EC EH	45394	2600	5.25	2X400	-20/+40	IP44	F	PTI	230	1	50	31,4	390
VORT NRG 3000 EC	45385	2550	-	2X700	-20/+40	IP54	B	PTI	230	1	50	6,0	395
VORT NRG 4500 EC	45386	5000	-	2X2500	-20/+40	IP54	B	PTI	400	3+N	50	7,7	550
VORT NRG 6000 EC	45387	6500	-	2X1950	-20/+50	IP54	B	PTI	400	3+N	50	6,3	720
VORT NRG 8000 EC	45388	8500	-	2X2730	-20/+60	IP54	F	PTI	400	3+N	50	8,4	900
VORT NRG 3000 EC EH	45395	2550	6,75	2X700	-20/+40	IP54	B	PTI	400	3+N	50	15,7	400
VORT NRG 4500 EC EH	45396	5000	8,25	2x2500	-20/+40	IP54	B	PTI	400	3+N	50	19,6	554
VORT NRG 6000 EC EH	45397	6500	18	2x1950	-20/+50	IP54	B	PTI	400	3+N	50	32,3	725
VORT NRG 8000 EC EH	45398	8500	24,75	2X2730	-20/+60	IP54	F	PTI	400	3+N	50	44,1	915

(*) Built-in thermal cutout

ENERGY DATA

	Models		VORT NRG 600 EC	VORT NRG 800 EC	VORT NRG 1500 EC
	Code	Unit of measure	45380	45381	45382
Supplier's name or trade mark	-		Vortice	Vortice	Vortice
Declared typology	-		UVNR-B**	UVNR-B**	UVNR-B**
Type of drive	-		VSD***	VSD***	VSD***
Type of heat recovery system HRS	-		other	other	other
Thermal efficiency of heat recovery	%		79.7	79.9	82
Nominal NRUV flow rate	m ³ /s		0.1500	0.2300	0.3000
Effective electric power input	kW		0.180	0.250	0.400
SFPint ****	W/(m ³ /s)		1398	1374	1426
Face velocity at design flow rate	m/s		1.64	1.47	1.46
Nominal external pressure (Δps, ext)	Pa		219	157	234
Internal pressure drop of ventilation components (Δps, int)	Pa		229	190	194
Internal pressure drop of non-ventilation components (Δps, add)	Pa		NA*	NA*	NA*
Static efficiency of fans used in accordance with Regulation (EU) N. 327/2011	%		48.9	41.0	35.1
Declared maximum internal leakage rate of the casing of ventilation units	%		NA*	NA*	NA*
Declared maximum external leakage rate of the casing of ventilation units	%		3.5	3.5	3.4
Energy performance energy or classification of the filters	-		NA*	NA*	NA*
Description of visual filter warning	-		See instruction manual	See instruction manual	See instruction manual
Casing sound power level (LWA)	dB(A)		57	59	65

	Models		VORT NRG 2000 EC	VORT NRG 2500 EC	VORT NRG 3000 EC
	Code	Unit of measure	45383	45384	45385
Supplier's name or trade mark	-		Vortice	Vortice	Vortice
Declared typology	-		UVNR-B**	UVNR-B**	UVNR-B**
Type of drive	-		VSD***	VSD***	VSD***
Type of heat recovery system HRS	-		altro	altro	altro
Thermal efficiency of heat recovery	%		80.5	80.5	84
Nominal NRUV flow rate	m ³ /s		0.3500	0.5000	0.6300
Effective electric power input	kW		0.450	0.630	0.760
SFPint ****	W/(m ³ /s)		1384	1352	1454
Face velocity at design flow rate	m/s		1.38	1.52	1.74
Nominal external pressure (Δps, ext)	Pa		234	274	244
Internal pressure drop of ventilation components (Δps, int)	Pa		201	258	248
Internal pressure drop of non-ventilation components (Δps, add)	Pa		NA*	NA*	NA*
Static efficiency of fans used in accordance with Regulation (EU) N. 327/2011	%		38.7	43.4	52.4
Declared maximum internal leakage rate of the casing of ventilation units	%		NA*	NA*	NA*
Declared maximum external leakage rate of the casing of ventilation units	%		3.2	3.2	2.2
Energy performance energy or classification of the filters	-		NA*	NA*	NA*
Description of visual filter warning	-		See instruction manual	See instruction manual	See instruction manual
Casing sound power level (LWA)	dB(A)		65	66	59

* NA: Not applicable.

** UVNR-B: Non Residential Ventilation units - Bidirectional.

*** VSD: Multiple speed.

**** SFPint: Specific power of the internal components of the ventilation.



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ENERGY DATA

	Models		VORT NRG 4500 EC	VORT NRG 6000 EC	VORT NRG 8000 EC
	Code	Unit of measure	45386	45387	45388
Supplier's name or trade mark	-		Vortice	Vortice	Vortice
Declared typology	-		UVNR-B**	UVNR-B**	UVNR-B**
Type of drive	-		VSD***	VSD***	VSD***
Type of heat recovery system HRS	-		other	other	other
Thermal efficiency of heat recovery	%		83.7	83.4	83
Nominal NRUV flow rate	m ³ /s		0.9600	1.3200	1.7800
Effective electric power input	kW		1.850	2.130	2.980
SFPint ****	W/(m ³ /s)		1395	1324	1251
Face velocity at design flow rate	m/s		1.95	1.79	1.20
Nominal external pressure (Δps, ext)	Pa		717	548	615
Internal pressure drop of ventilation components (Δps, int)	Pa		258	214	195
Internal pressure drop of non-ventilation components (Δps, add)	Pa		NA*	NA*	NA*
Static efficiency of fans used in accordance with Regulation (EU) N. 327/2011	%		59.3	61.2	61.8
Declared maximum internal leakage rate of the casing of ventilation units	%		NA*	NA*	NA*
Declared maximum external leakage rate of the casing of ventilation units	%		2.0	1.8	1.7
Energy performance energy or classification of the filters	-		NA*	NA*	NA*
Description of visual filter warning	-		See instruction manual	See instruction manual	See instruction manual
Casing sound power level (LWA)	dB(A)		61	60	59

	Models		VORT NRG 600 EC EH	VORT NRG 800 EC EH	VORT NRG 1500 EC EH
	Code	Unit of measure	45390	45391	45392
Supplier's name or trade mark	-		Vortice	Vortice	Vortice
Declared typology	-		UVNR-B**	UVNR-B**	UVNR-B**
Type of drive	-		VSD***	VSD***	VSD***
Type of heat recovery system HRS	-		other	other	other
Thermal efficiency of heat recovery	%		79.7	79.9	82
Nominal NRUV flow rate	m ³ /s		0.1500	0.2300	0.3000
Effective electric power input	kW		0.180	0.250	0.400
SFPint ****	W/(m ³ /s)		1398	1374	1426
Face velocity at design flow rate	m/s		1.64	1.47	1.46
Nominal external pressure (Δps, ext)	Pa		219	157	234
Internal pressure drop of ventilation components (Δps, int)	Pa		229	190	194
Internal pressure drop of non-ventilation components (Δps, add)	Pa		NA*	NA*	NA*
Static efficiency of fans used in accordance with Regulation (EU) N. 327/2011	%		48.9	41.0	35.1
Declared maximum internal leakage rate of the casing of ventilation units	%		NA*	NA*	NA*
Declared maximum external leakage rate of the casing of ventilation units	%		3.5	3.5	3.4
Energy performance energy or classification of the filters	-		NA*	NA*	NA*
Description of visual filter warning	-		See instruction manual	See instruction manual	See instruction manual
Casing sound power level (LWA)	dB(A)		57	59	65

* NA: Not applicable.

** UVNR-B: Non Residential Ventilation units - Bidirectional.

*** VSD: Multiple speed.

**** SFPint: Specific power of the internal components of the ventilation.

ENERGY DATA

	Models	Unit of measure	VORT NRG 2000	VORT NRG 2500	VORT NRG 3000
	Code		EC EH 45393	EC EH 45394	EC EH 45395
Supplier's name or trade mark		-	Vortice	Vortice	Vortice
Declared typology		-	UVNR-B**	UVNR-B**	UVNR-B**
Type of drive		-	VSD***	VSD***	VSD***
Type of heat recovery system HRS		-	other	other	other
Thermal efficiency of heat recovery		%	80.5	80.5	84
Nominal NRVC flow rate		m ³ /s	0.3500	0.5000	0.6300
Effective electric power input		kW	0.450	0.630	0.760
SFPint ****		W/(m ³ /s)	1384	1352	1454
Face velocity at design flow rate		m/s	1.38	1.52	1.74
Nominal external pressure (Δps, ext)		Pa	234	274	244
Internal pressure drop of ventilation components (Δps, int)		Pa	201	258	248
Internal pressure drop of non-ventilation components (Δps, add)		Pa	NA*	NA*	NA*
Static efficiency of fans used in accordance with Regulation (EU) N. 327/2011		%	38.7	43.4	52.4
Declared maximum internal leakage rate of the casing of ventilation units		%	NA*	NA*	NA*
Declared maximum external leakage rate of the casing of ventilation units		%	3.2	3.2	2.2
Energy performance energy or classification of the filters		-	NA*	NA*	NA*
Description of visual filter warning		-	See instruction manual	See instruction manual	See instruction manual
Casing sound power level (LWA)		dB(A)	65	66	59

	Models	Unit of measure	VORT NRG 4500	VORT NRG 6000	VORT NRG 8000
	Code		EC EH 45396	EC EH 45397	EC EH 45398
Supplier's name or trade mark		-	Vortice	Vortice	Vortice
Declared typology		-	UVNR-B**	UVNR-B**	UVNR-B**
Type of drive		-	VSD***	VSD***	VSD***
Type of heat recovery system HRS		-	other	other	other
Thermal efficiency of heat recovery		%	83.7	83.4	83
Nominal NRVC flow rate		m ³ /s	0.9600	1.3200	1.7800
Effective electric power input		kW	1.850	2.130	2.980
SFPint ****		W/(m ³ /s)	1395	1324	1251
Face velocity at design flow rate		m/s	1.95	1.79	1.20
Nominal external pressure (Δps, ext)		Pa	717	548	615
Internal pressure drop of ventilation components (Δps, int)		Pa	258	214	195
Internal pressure drop of non-ventilation components (Δps, add)		Pa	NA*	NA*	NA*
Static efficiency of fans used in accordance with Regulation (EU) N. 327/2011		%	59.3	61.2	61.8
Declared maximum internal leakage rate of the casing of ventilation units		%	NA*	NA*	NA*
Declared maximum external leakage rate of the casing of ventilation units		%	2.0	1.8	1.7
Energy performance energy or classification of the filters		-	NA*	NA*	NA*
Description of visual filter warning		-	See instruction manual	See instruction manual	See instruction manual
Casing sound power level (LWA)		dB(A)	61	60	59

* NA: Not applicable.

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*** VSD: Multiple speed.

**** SFPint: Specific power of the internal components of the ventilation.

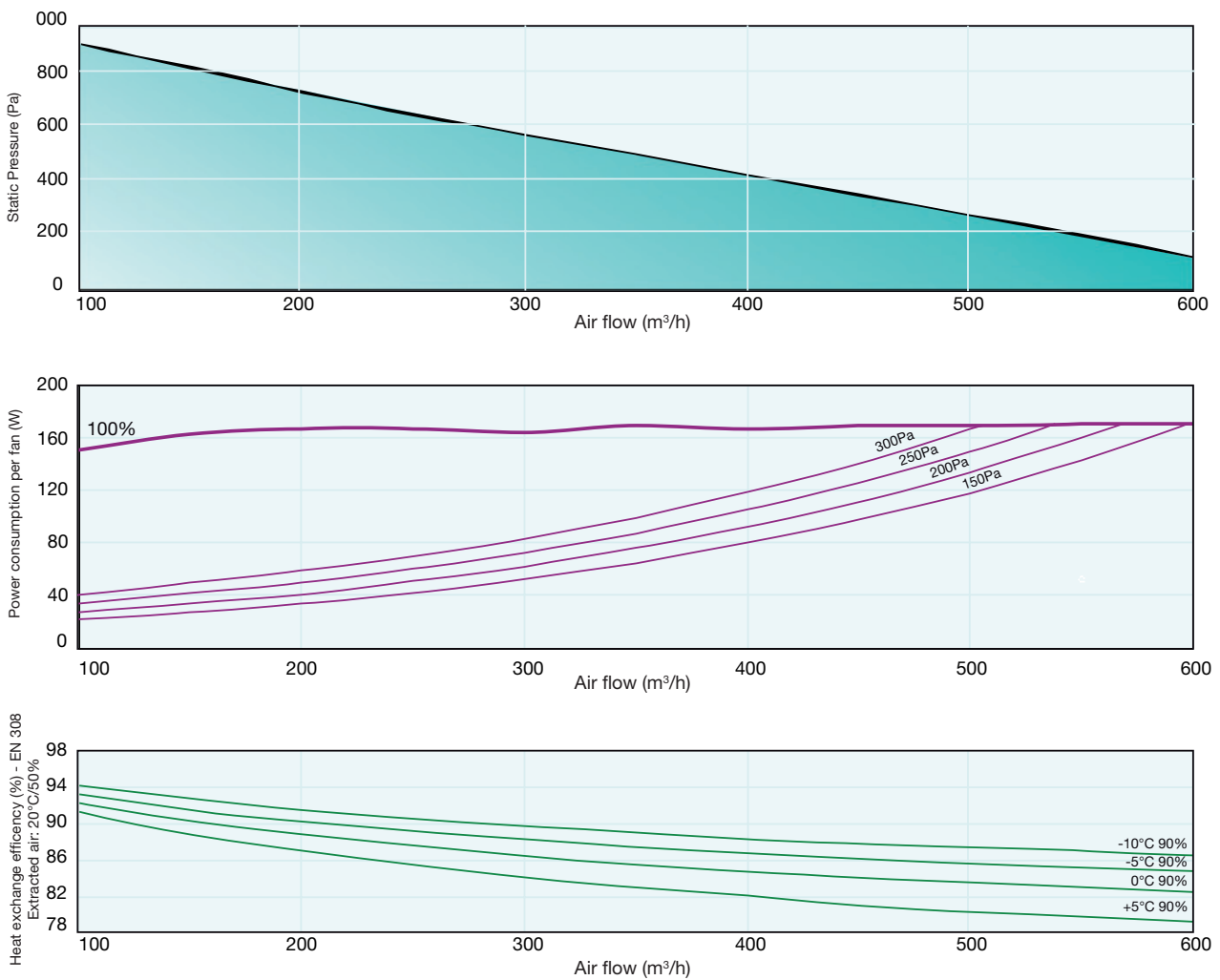


VORT NRG EC RANGE

Heat recovery units equipped with static heat exchangers characterized by high levels of heat exchange efficiency, top performances consumptions

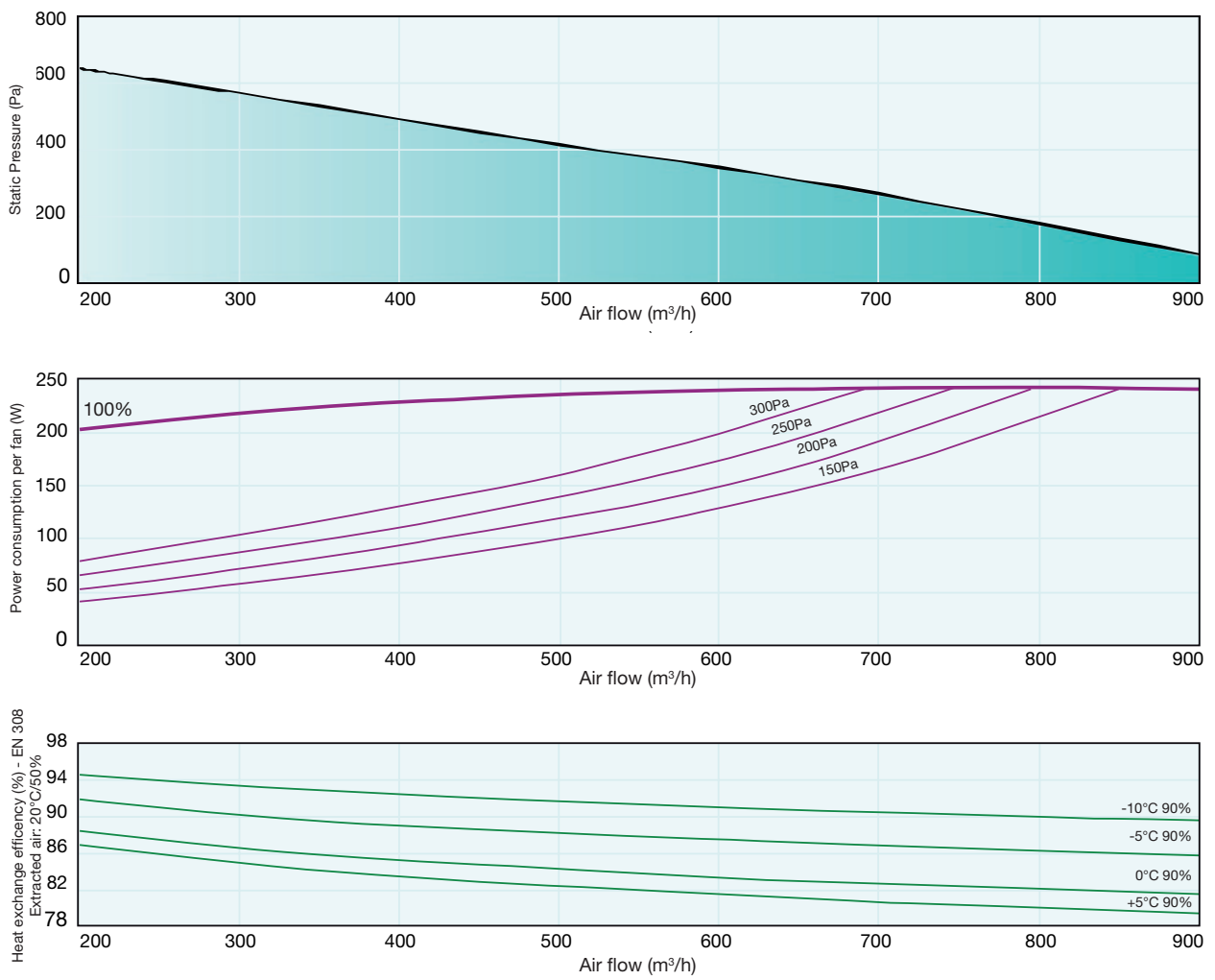
PERFORMANCE AND ENERGY USAGE

VORT NRG 600 EC - EC EH



PERFORMANCE AND ENERGY USAGE

VORT NRG 800 EC - EC EH



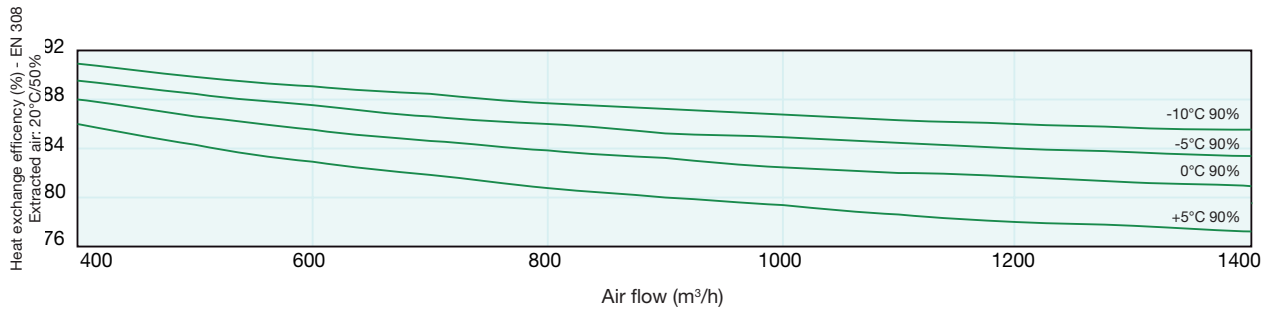
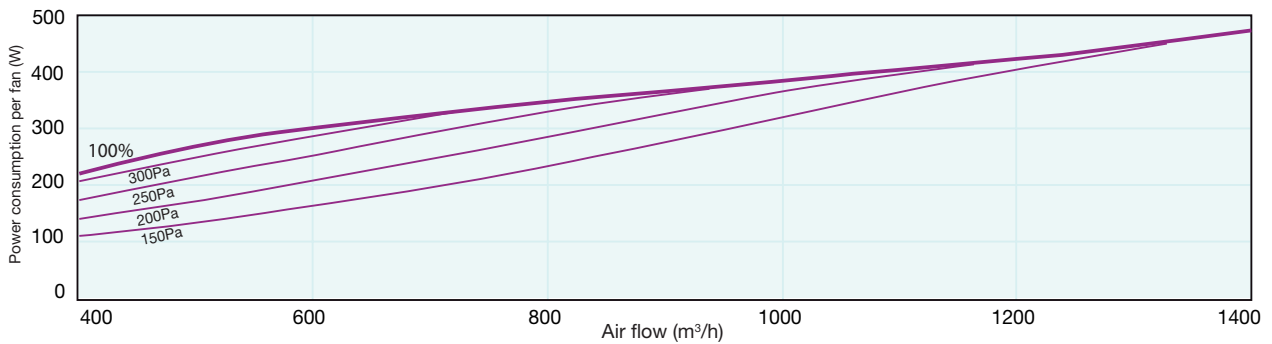
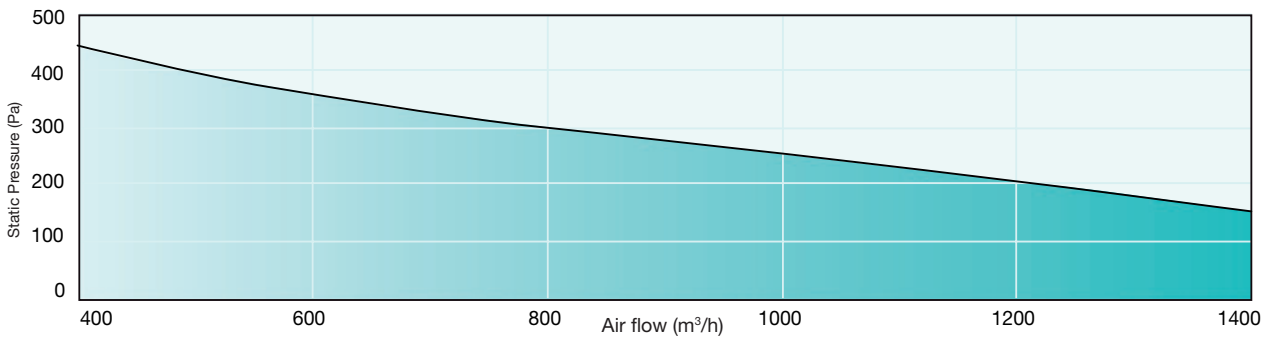


VORT NRG EC RANGE

Heat recovery units equipped with static heat exchangers characterized by high levels of heat exchange efficiency, top performances consumptions

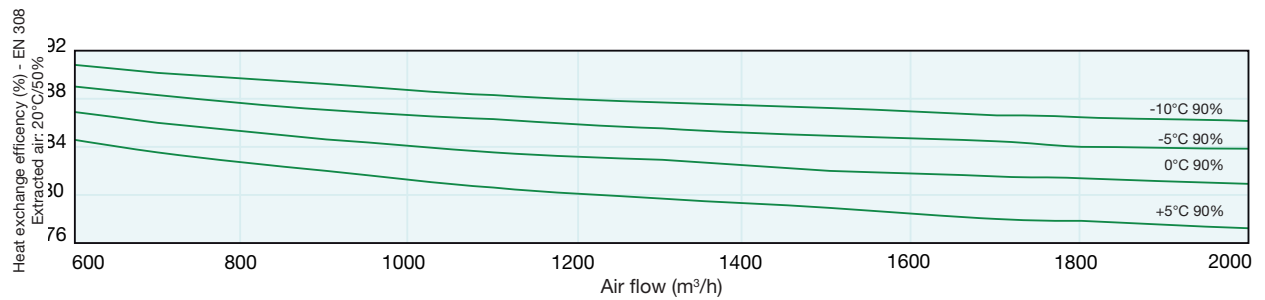
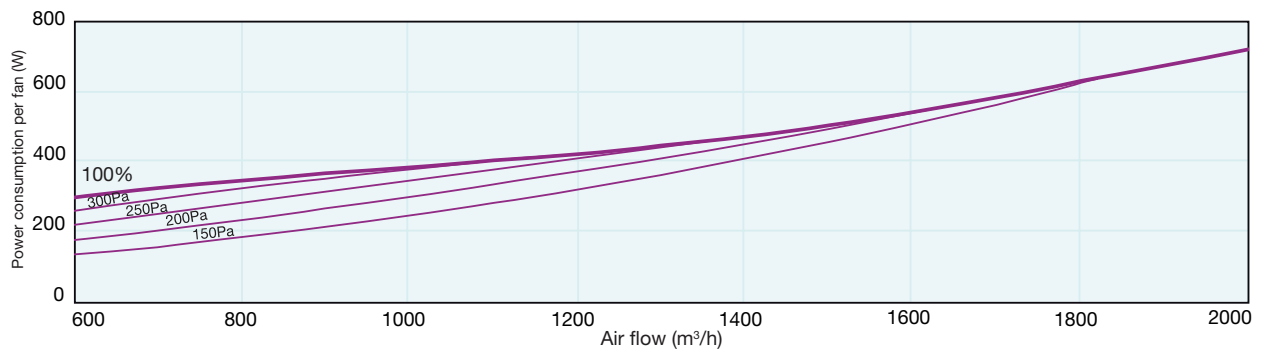
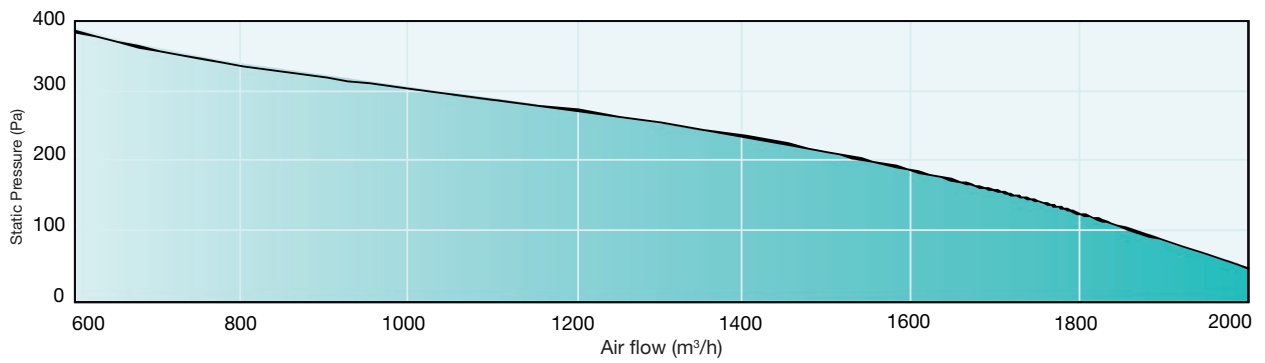
PERFORMANCE AND ENERGY USAGE

VORT NRG 1500 EC - EC EH



PERFORMANCE AND ENERGY USAGE

VORT NRG 2000 EC - EC EH



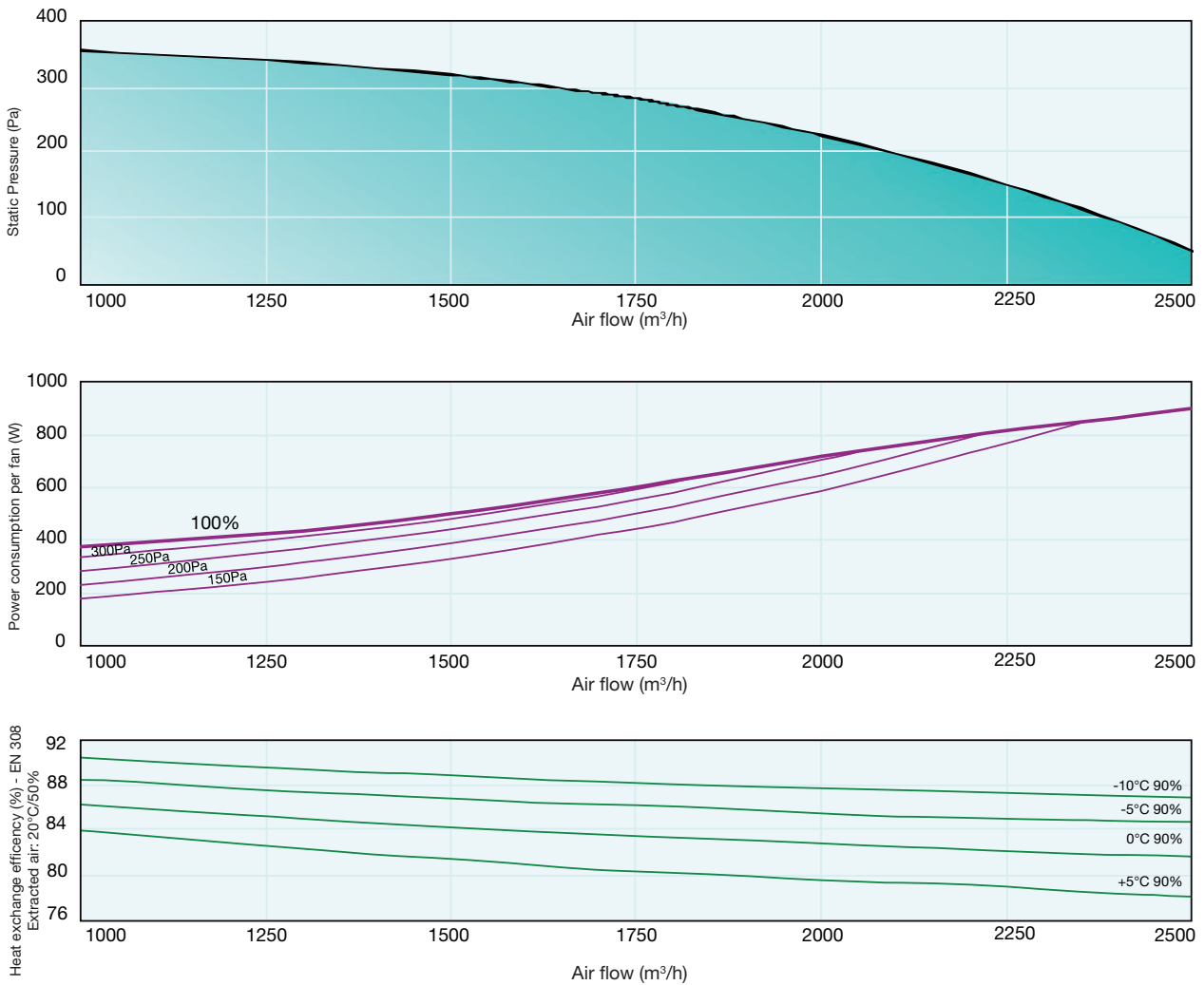


VORT NRG EC RANGE

Heat recovery units equipped with static heat exchangers characterized by high levels of heat exchange efficiency, top performances consumptions

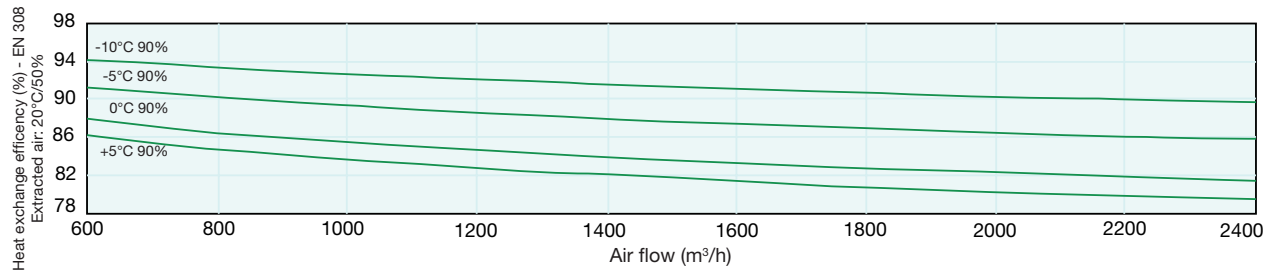
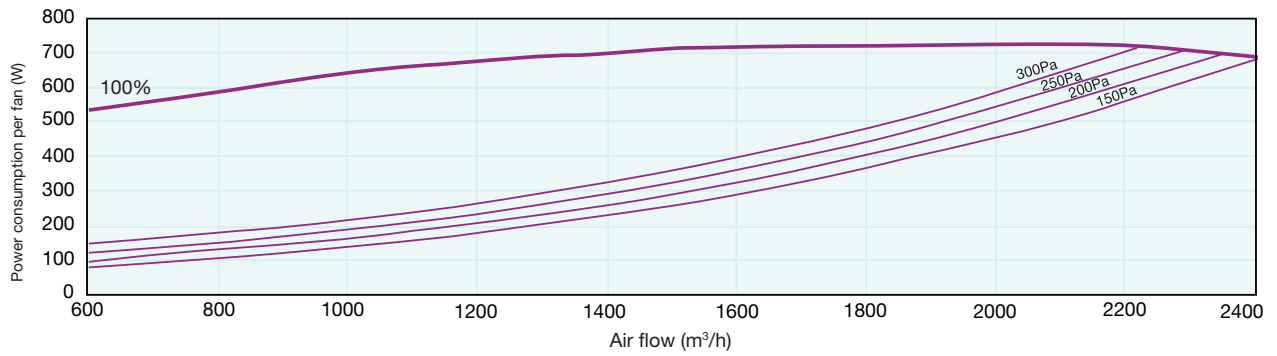
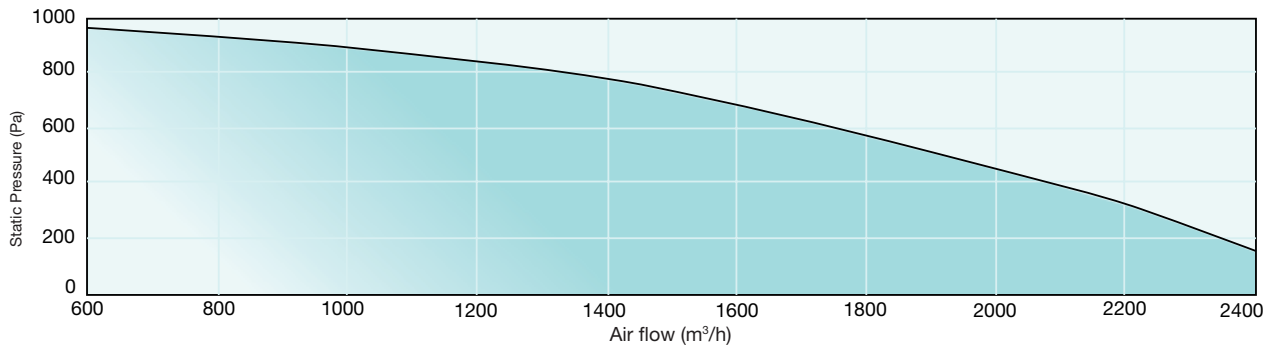
PERFORMANCE AND ENERGY USAGE

VORT NRG 2500 EC - EC EH



PERFORMANCE AND ENERGY USAGE

VORT NRG 3000 EC - EC EH



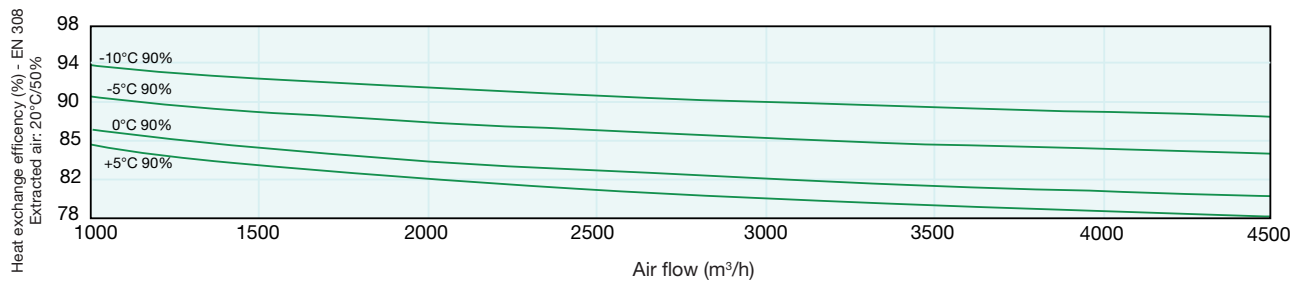
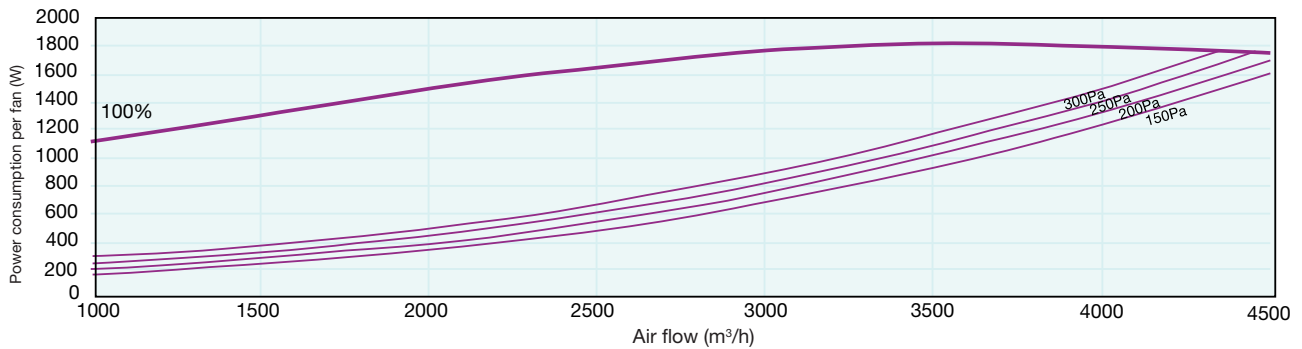
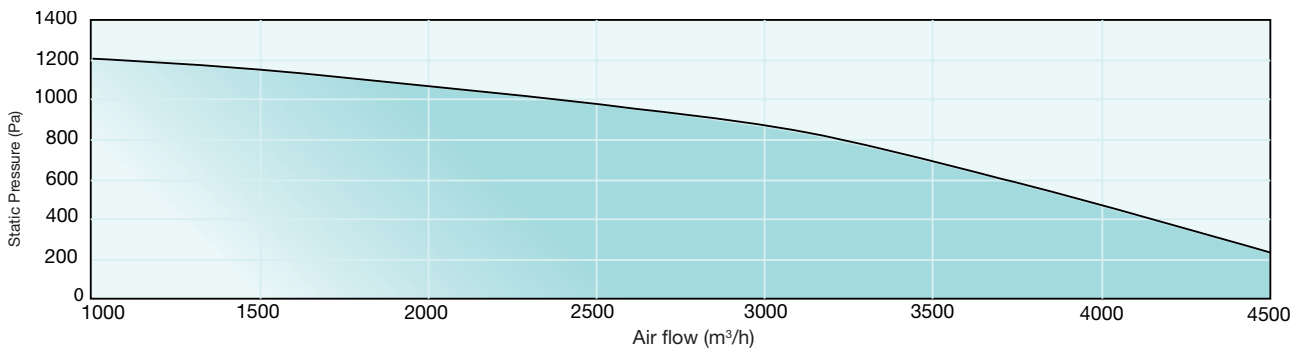


VORT NRG EC RANGE

Heat recovery units equipped with static heat exchangers characterized by high levels of heat exchange efficiency, top performances consumptions

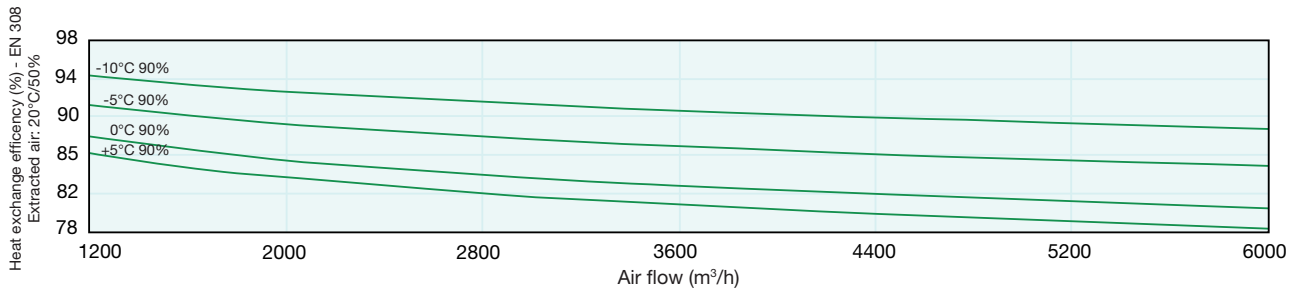
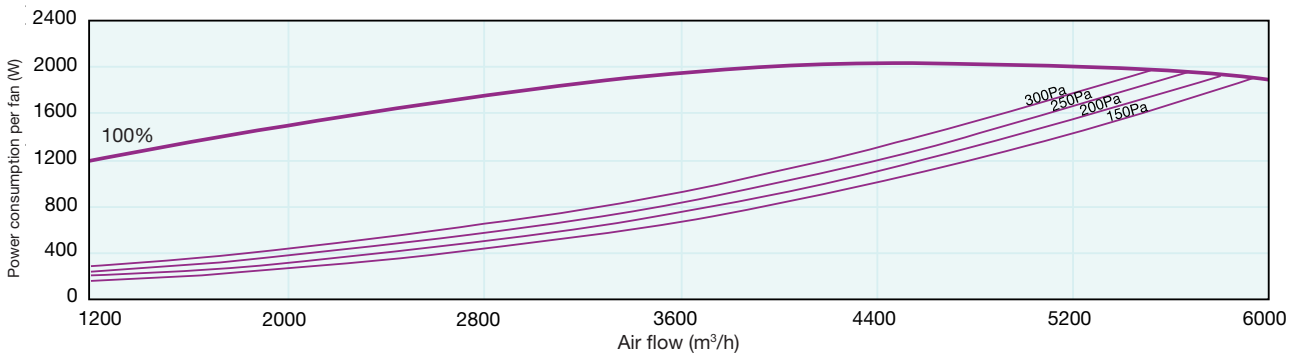
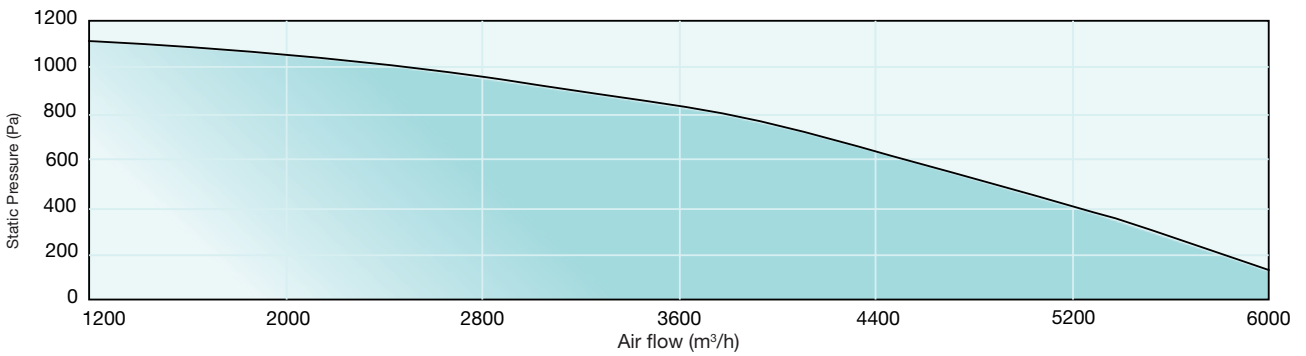
PERFORMANCE AND ENERGY USAGE

VORT NRG 4500 EC - EC EH



PERFORMANCE AND ENERGY USAGE

VORT NRG 6000 EC - EC EH





VORT NRG EC RANGE

Heat recovery units equipped with static heat exchangers characterized by high levels of heat exchange efficiency, top performances consumptions

PERFORMANCE AND ENERGY USAGE

VORT NRG 8000 EC - EC EH

