

# Technical Data Sheet

CODE 45385

## VORT NRG 3000 EC

Heat recovery units equipped with static heat exchangers



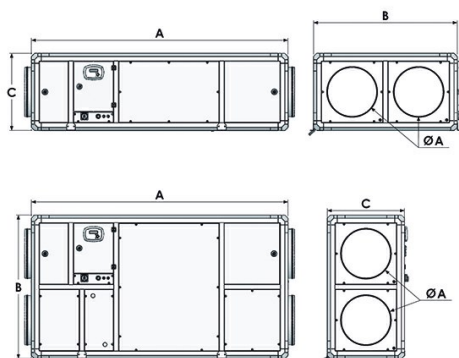
## Certifications



## TECHNICAL AND PERFORMANCE DATA

Filter class for extract air	G4	Nominal Diameter (mm)	450
Filter class for supply air	F7	Number of Phases (Ph)	1
Frequency (Hz)	50	Protection current	6,0
Max ambient temperature for continuous operation (°C)	40	Voltage (V)	230
Motor Class	B	Weight (Kg)	395
Motor IP protection	54	Delivery max (m <sup>3</sup> /h)	2550
Motor Power (W)	700X2	Sound power level - radiated Lw [dB(A)]	59

## DIMENSIONS



Size A (mm)	2345
Size B (mm)	1315
Size C (mm)	705
Size D (mm)	355
Size E (mm)	605
Size F (mm)	607
Size F1 (mm)	1376
Size F2 (mm)	362
Vents diameter Ø A (mm)	450

### PER INFORMAZIONI:

Servizio al Cliente: tel +39 02 90699395 premendo 1 dopo messaggio registrato (consulenza su prodotti e impianti)

Pre & Post Vendita: fax +39 02 90699302

Email prevendita: [prevendita@vortice-italy.com](mailto:prevendita@vortice-italy.com)

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### DESCRIPTION

- Frames consisting of rounded aluminium profiles with built-in, polyamide made, spacers for class TB2 thermal break; corners made of reinforced polyamide; double skin (sandwich), 10/10 panels (inner side with galvanized steel sheet, outer side with pre-laquered metal sheet (RAL 7035) with protective film); insulation through 50 mm high density (M0) mineral wool.
- 2 EC motors, independently adjustable, external rotor type, integrating safety thermal cut-outs, with backward curved impellers directly driven by ball bearings; 2 speeds adjustable during the installation.
- Air-to-air, counter cross-flow, aluminium made heat exchanger whose high performance, certified by Eurovent, exceeds 90% according to EN 308 standard.
- Circular branch connections with lip seals to grant the system air tightness.
- 100% inner automatic by-pass.
- 2 filters, respectively G4 on extracted air (stale) and F7 on (fresh) air supply, both mounted upstream of inner components, on runners fitted with lip seals to ensure effective air tightness.
- Access to filters and inner components by security latch on removable panels.
- Brackets crimped into the structure for fixing to the ground or ceiling/false ceiling.
- Inner slanted tray to assure the proper condensate removal at product horizontally installed.
- A dedicated pressure switch constantly controls the airflow across each fan, which indicates the presence of a fault on any external device which can be connected on the clean contact on board of the machine.
- A podlockable local circuit breaker, mounted on front panel, allows to stop the unit in case of fault.
- Potentiometers to independently adjust each fan speed.

### ACCESSORIES



**POTI NRG**  
Code 21039



**NRG EC RRC V**  
**3000**  
Code 21081



**NRG EC RRO**  
**3000**  
Code 21076

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