

# Technical Data Sheet

CODE 45403

## VORT NRG 2500 ECR

Heat recovery units equipped with rotary heat exchangers



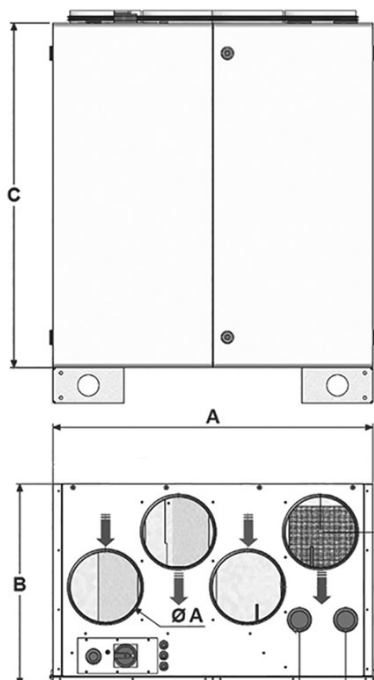
### Certifications



### TECHNICAL AND PERFORMANCE DATA

|   |    |   |        |
|---|----|---|--------|
| Filter class for extract air                          | G4 | Motor Power (W)                         | 1000X2 |
| Filter class for supply air                           | F7 | Nominal Diameter (mm)                   | 400    |
| Frequency (Hz)  | 50 | Number of Phases (Ph)                   | 3+N    |
| Max ambient temperature for continuous operation (°C) | 50 | Protection current                      | 4,3    |
| Min ambient temperature for continuous operation (°C) | -5 | Voltage (V)                             | 400    |
| Motor Class   | B  | Weight (Kg)                             | 345    |
| Motor IP protection                                   | 54 | Delivery max (m³/h)                     | 3500   |
|   |    | Sound power level - radiated Lw [dB(A)] | 68     |

### DIMENSIONS



|                         |      |
|-------------------------|------|
| Size A (mm)             | 1610 |
| Size B (mm)             | 920  |
| Size C (mm)             | 1420 |
| Vents diameter Ø A (mm) | 400  |

#### 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

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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, rotary, aluminium made heat exchanger whose high performance, certified by Eurovent, exceeds 80% according to EN 308 standard.
- Circular branch connections with lip seals to grant the system air tightness.
- 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.
- Fixed panel directly accessible from above integrating the proximity switch lockable, potentiometers and fairleads.
- Brackets crimped into the structure for fixing to the ground.
- 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 450

FPD

Code 21080

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