

# Technical Data Sheet

CODE 45094

## VORT HRI 500 DH RC

Ceiling-mounting heat recovery units with built-in dehumidifier



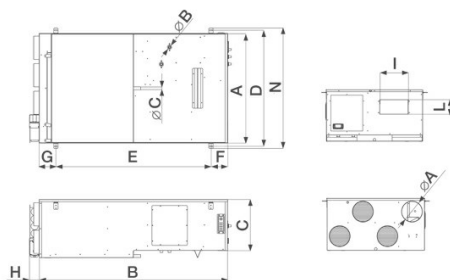
## Certifications



## TECHNICAL AND PERFORMANCE DATA

Absorbed Power of air supply fan (min/nom/max) (W)	30/60/130/	Weight (Kg)	80
Absorbed Power of extractor fan (min/nom/max) (W)	22/40/68/	Battery Water flow (min/nom/max) (l/h)	200/350/600/
Filter class	G4	Dehumidification Capacity (l/24 hr)	61,8
Frequency (Hz)	50	Delivery in winter mode (m3/h)	0-250
Insulation Class	I°	Delivery in summer mode (m3/h)	500
IP	X2	Nominal efficiency of HRU in summer (%)	70
Nominal absorbed power of compressor (W)	480	Nominal efficiency of HRU in winter (%)	90
Nominal Diameter (mm)	160	Pressure drops of hydraulic circuit (nom) (kPa)	35
Refrigerant Type	R410A	Pressure of exhaust fan (Pa)	50-140
Thermal power recovery in winter	1850	Pressure of supply fan (Pa)	50/140/
Total cooling capacity indoor (W)	2820	Sound power level Lw [dB(A)]	52
Voltage (V)	230	Sound Pressure level Lp [dB (A)] 3m	44

## DIMENSIONS



Condensate drain $\varnothing$ C (mm)	20
Size A (mm)	756
Size B (mm)	1308
Size C (mm)	405
Size D (mm)	802
Size E (mm)	1074
Size F (mm)	117
Size G (mm)	117
Size H (mm)	38
Size I (mm)	224
Size L (mm)	114
Size N (mm)	832
Vents diameter $\varnothing$ A (mm)	160
Water charge / discharge $\varnothing$ B (mm)	1/2"

### 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

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### DESCRIPTION

- Zinc-coated pressed steel enclosure with removable panels.
- 2 x EC brushless motor with shafts turning in ball bearings, coupled to centrifugal impellers.
- Trimmer control allowing selection of speeds from 0 to Max in response to system pressure losses.
- Ventilation air flow between 140 m<sup>3</sup>/h and 250 m<sup>3</sup>/h. Dehumidifying air flow between 250 m<sup>3</sup>/h and 500 m<sup>3</sup>/h.
- Ultra high-efficiency counter-flow type heat exchanger fashioned from moulded plastic (PS)
- It contains fluorinated greenhouse gases.
- Compressor operating with HFC-R410A refrigerant
- Prewired for mechanical thermo-hygrostat (product code 22609)
- Dual water/air condenser
- Flow switch
- Three-way modulating valve
- Motorized recirculation damper
- Antifreeze protection
- 2 x G4 filters
- Electronic control unit with microprocessor and LCD display
- Remote control panel RCP (code 22607) available as optional
- Hermetically sealed equipment.

### ACCESSORIES



**RCP (HRI DH)**

Code 22607



**MTRH (HRI DH)**

Code 22609



**RS 485 PCB  
(HRI DH)**

Code 22653



**R2T 500 (HRI  
DH)**

Code 22657

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