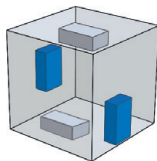




Product description

- Nominal flow rate 570 m³/h
- Max. efficiency 93 %
- Vertical installation
- Easy service and operation

Installation



Energy class



Technical description

- **Heat recovery**
Heat exchanger of the type in countercurrent entirely made of plastic material. Very high efficiency.
- **Structure**
Free standing EPS seal with outer coat painted steel complete of filters extraction system and drain condensate. Automatic by-pass included.
- **Fans**
Plug fan type with EC Brushless engine.
- **Filters**
The units are equipped with standard filter cells synthetic fiber efficiency G4 (ISO coarse > 65 %), optional F7 (ISO e PM1 > 65 %) efficiency on fresh air.
- **Speed control**
Wireless plug & play control system 4BRF included.
- **Models**
RDCD 70 SH – standard
RDCD 70 SHE – with enthalpic heat exchanger
RDCD 70 SHI – with IONIC ionizer

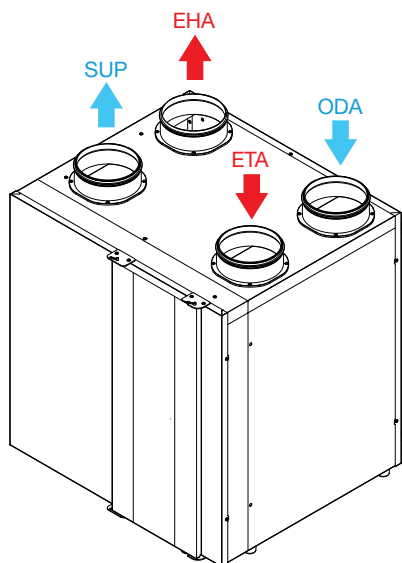
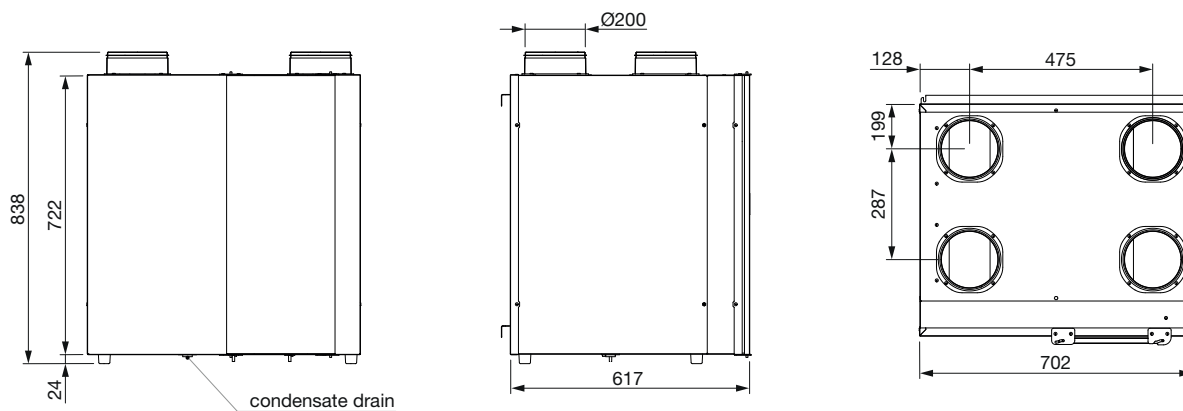
Accessories

- RDCD 70 G4/G4 replacement filter kit
- RDCD 70 F7 replacement outdoor air filter
- ED Flex® LOCK System modular air distribution system

Type	Nominal air flow [m ³ /h]	Number of speeds * [rpm]	Installed power * [W]	Current * [A]	Rated voltage [V]	Max. temp. [°C]	Weight [kg]
RDCD 70 SH	570	3+1	169	1.5	230	40	41

* each fan

Dimensions



SUP – supply air
ODA – outdoor air
ETA – extract air
EHA – exhaust air

Controllers
4BRF*

RHRF

CO2RF

MODBUSRF

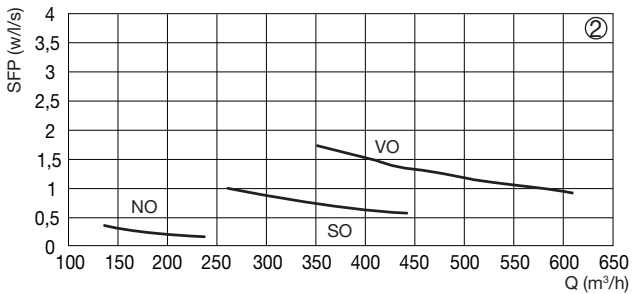
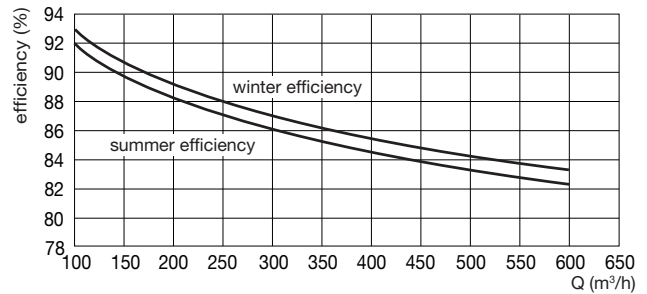
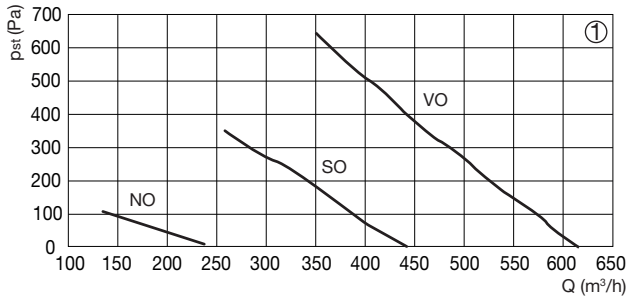
APPRF

DSPRF


Speed control	•	•	•		•	•
By-pass	•	•	•		•	•
Defrost protection	•	•	•		•	•
Clogged filters signalization	•	•	•		•	•
Humidity control		•				
CO ₂ control			•			
Booster function	•				•	•
MODBUS gate way				•	•	
Speed settings						•
ON/OFF						•
Punctual alarms	•	•	•			•

* included, others optional

Performance curves



VO – Maximum speed
SO – Medium speed
NO – Minimum speed

Performance EN 13141:7:2011 certified.
Heat exchanger EN 308 certified.

① Data with standard G4 filters.
Air pressure drop with F7 efficiency filter 80 Pa at maximum air flow rate with clean filter

② Data for single fan

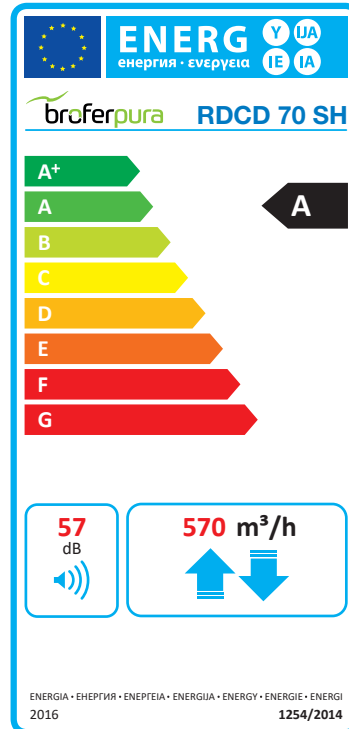
Summer efficiency
Fresh air: 32 °C / 50 % R.H.
Return air: 26 °C / 50 % R.H.

Winter efficiency chart
Fresh air: -5 °C / 80 % R.H.
Return air: 20 °C / 50 % R.H.

Sound pressure in [dB(A)]

napětí	63	125	250	500	1000	2000	4000	8000
10 V	29	35	49	53	54	52	45	37
8 V	26	33	43	43	43	42	39	29
6 V	23	24	32	32	30	28	17	14

EN ISO 5135 certified.



DECLARATION OF PERFORMANCE

Supplier name	BROFER		
Supplier Model Identifier and options installed	RDCD 70 SH		
Reference climate	Temperate	Cold	Hot
SEC [kWh / (m²a)]	-33,54	-76,50	-8,93
SEC Class	B	A+	F
Declared Typology	UVR-B Bidirectional		
Type of drive installed	Multi-speed drive		
Type of heat recovery	Recuperative		
Thermal efficiency ¹	87,2 %		
Maximum flow rate [m³/h] ²	570		
Maximum electric Power [W]	333		
Sound Power Level [dB(A)] ³	57		
Reference flow rate [m³/h] ⁴	399		
Reference pressure difference[Pa]	50		
SPI [W/m³/h] ⁵	0,349		
Control factor and typology	1		
Declared maximum internal leakage [%] ⁶	1,24		
Declared maximum external leakage [%] ⁶	0,85		
Internet address for pre/dis-assembly instruction	www.broferpura.it		

1 – Efficiency according EN13141-7:2010 at reference flow at 50 Pa

2 – Maximum flow at 100 Pa external pressure

3 – Casing radiation at reference flow rate at 50 Pa external pressure

4 – Reference flow rate is 70% of maximum flow at 50 Pa external pressure according EN13141-7:2010

5 – According to EN13141-7:2010 at reference flow rate

6 – According to EN13141-7:2010