

# TS-HRVU

## Ventilation unit with heat recovery

- cod. ACD200068 - cod. ACD200067 - cod. ACD200066
- cod. ACD200075 - cod. ACD200072 - cod. ACD200073
- cod. ACD200069 - cod. ACD200070 - cod. ACD200071
- cod. ACD200074

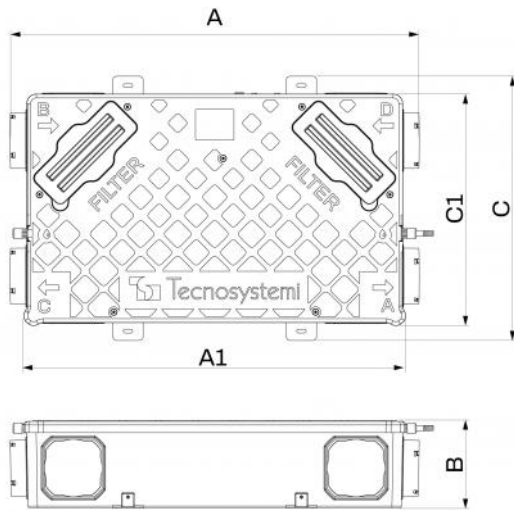


## DESCRIPTION

New ventilation unit with an innovative design designed for air exchange with heat recovery, thanks to the backflow sensitive heat exchanger.

Characterised by:

- high efficiency heat exchanger;
- thermo-acoustic insulation ensured by the entire recycled EPP casing;
- centrifugal fans, on air delivery and intake, with EC motor, with reduced electrical consumption;
- Coarse filter 60% (G4) on the suction ducts;
- automatic electronic by-pass and integrated temperature probes for detecting the air temperature;
- 90° directional grilles;
- reversibilità di montaggio connessioni aerauliche;
- condensate drain included.



## DIMENSIONS

CODE	A [mm]	A1 [mm]	B [mm]	C [mm]	C1 [mm]
ACD200068	1100	990	230	700	610
ACD200067	1100	990	230	700	610
ACD200066	1100	990	230	700	610
ACD200075	1100	990	230	700	610
ACD200072	1225	1162	290	895	825
ACD200073	1225	1162	290	895	825





## TECHNICAL DATA

	ELECTRICAL DATA					
Model	HRVU TS120	HRVU TS180	HRVU TS250	HRVU TS320	HRVU TS380	HRVU TS500
Power supply	230 V – 50 Hz					
Maximum power(W)	50	70	120	160	180	220
Maximum current (A)	0.3	0.4	0.5	0.7	0.8	1
Insulation class	Class 1					
IP rating	IP22					
Operating temperature in the installation compartment (°C)	-10°C ÷ +40°C					
Relative operating humidity (%RH at 25° C)	≤ 85 %					
	PERFORMANCE DATA					
Volumetric flow rate (m³/h) maximum at 100 Pa	120	180	250	320	380	500
Energy rating (SEC temperate climate)	A					
Heat Efficiency (%)	87	85	84	82	83	81
Type of heat recovery unit	Sensitive backflow heat exchanger HRC1a					
Thermal by-pass	Not present	Electronically operated mechanical system				
Minimum External Air Temperature (°C)	-15					
Reversible flows	yes					
Antifreeze feature	no	yes (imbalance of flows)				
Air filters as standard	ISO COARSE 65% (G4)					
Additional air filters (upon request)	ISO ePM1 ≥50% (F7)					
Sound Power LWA	46	47	48	46	46	48
	CONSTRUCTION CHARACTERISTICS					
Type of motors	Brushless EC					
Body material	Expanded polypropylene (EPP) with galvanised metal sheet supports					
Dimensions(mm)	1100x230x610			1225x290x895		
Weight (kg)	14			17		
Aeraulic fittings (Ø mm)	150			200		
Condensate drain	½" thread or hose holder					
	CONTROLS					
Remote control	0-10V regulator	4-button digital control				
Weekly programming	no	Control available on request				
BMS control	0-10 V	MODBUS - RS485				

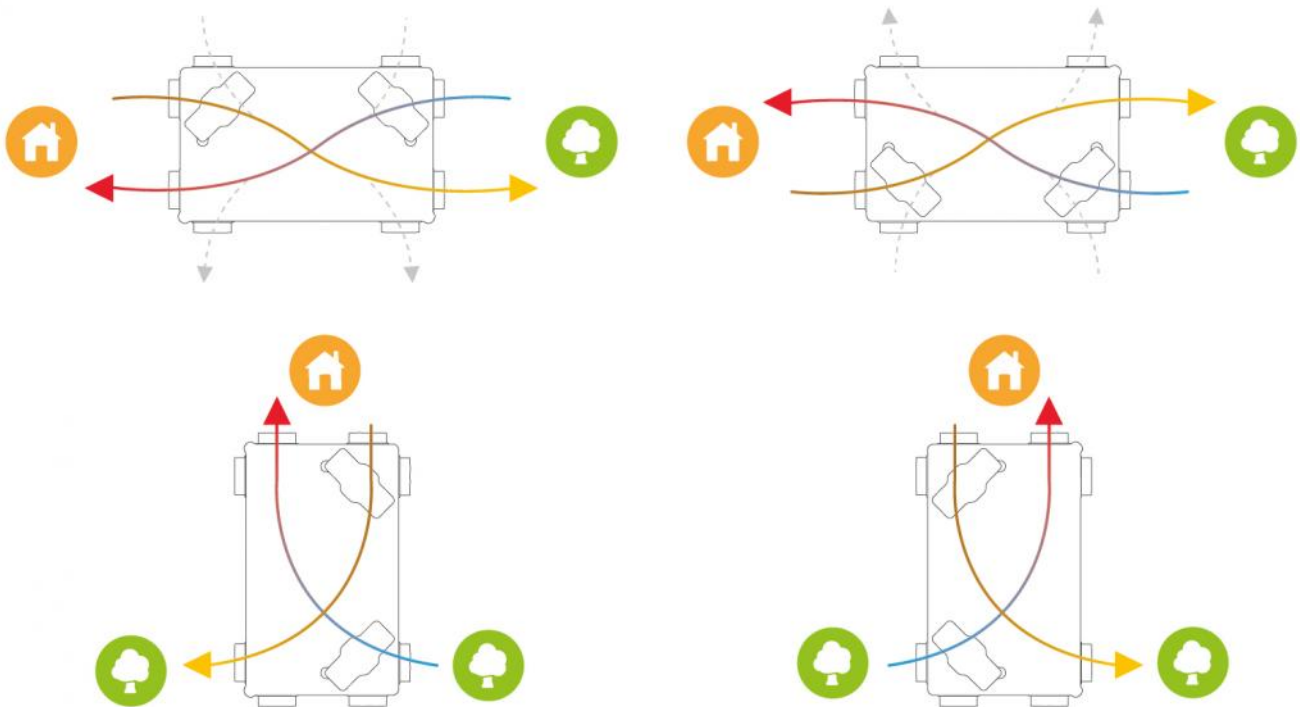
## NOTE

Performance data in accordance with EN 13141-7:2021

## CONTROL DEVICES

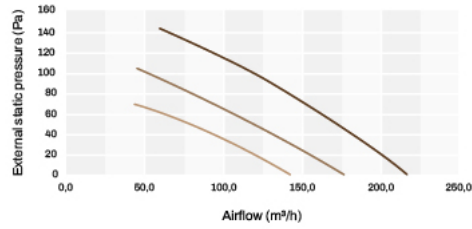
	ACD200068	ACD200067	ACD200066	ACD200075	ACD200072	ACD20073
						
						

## 90° ADJUSTABLE AERAILIC CONNECTIONS

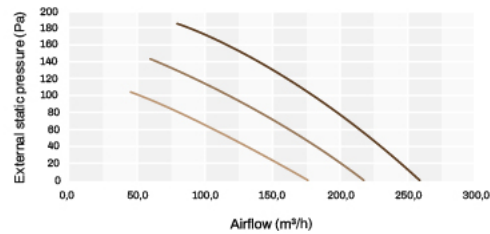


# LOAD CAPACITY AND PERFORMANCE GRAPHS

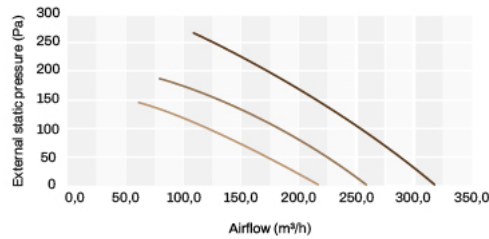
TS-HRVU  
120 m<sup>3</sup>/h



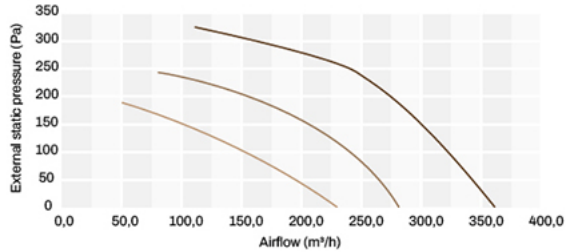
TS-HRVU  
180 m<sup>3</sup>/h



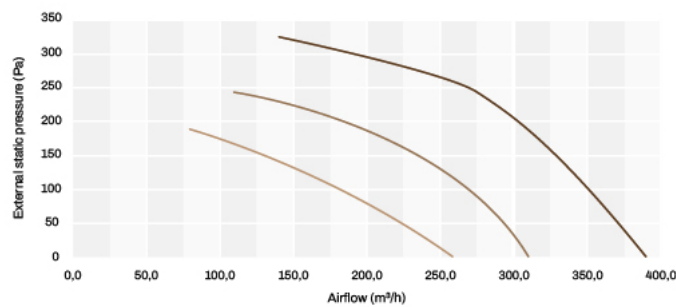
TS-HRVU  
250 m<sup>3</sup>/h



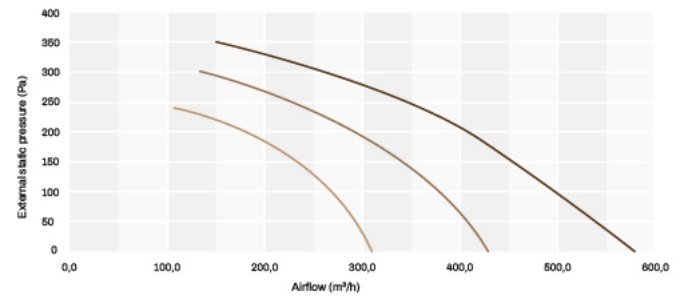
TS-HRVU  
320 m<sup>3</sup>/h



TS-HRVU  
380 m<sup>3</sup>/h



TS-HRVU  
500 m<sup>3</sup>/h



## APPLICATIONS



## ACCESSORIES



Controllo per VMC display con programmazione



Plate and mount for selector switch installation



ISO ePM10 (F7) filter accessory

## ITEMS

CODE	DESCRIPTION
ACD200068	HEAT RECOVERY UNIT HRVU TS120 0/10V
ACD200067	HEAT RECOVERY UNIT HRVU TS180 RF
ACD200066	HEAT RECOVERY UNIT HRVU TS250 RF
ACD200075	HEAT RECOVERY UNIT HRVU TS320RF
ACD200072	HEAT RECOVERY UNIT HRVU TS350 RF
ACD200073	HEAT RECOVERY UNIT HRVU TS500 RF
ACD200069	CONTROL DEVICE WITH PROGRAMMING DISPLAY
ACD200070	BLOCK FRAME FOR CONTROL DEVICE BOX503
ACD200071	FOLDED FILTER F7 ISO EMP >50% 185x255x22 FOR MODEL 120-180-250-320m3h
ACD200074	FOLDED FILTER F7 ISO Epm1 >50% FOR MODEL 380-500m3h PIEGHETTATO

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