

TS-HRVU

Ventilation unit with heat recovery

- cod. ACD200068 - cod. ACD200067 - cod. ACD200066
- cod. ACD200075 - cod. ACD200069 - cod. ACD200077
- cod. ACD200078 - cod. ACD200070 - cod. ACD200071

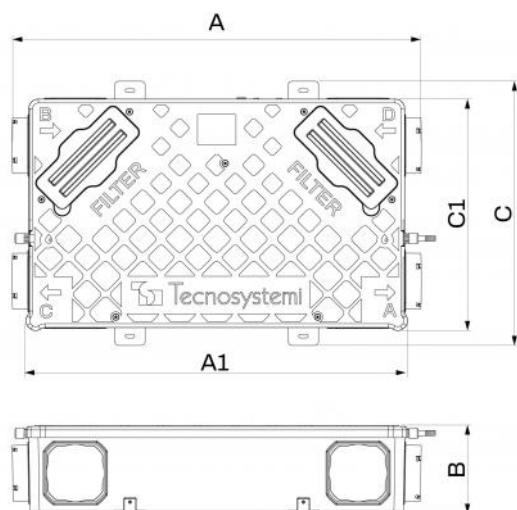


DESCRIPTION

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

Characterised by:

- maximum thermal efficiency 90%;
- high-efficiency heat exchanger made of polystyrene.
- thermo-acoustic insulation ensured by the entire EPP casing;
- centrifugal fans, on air delivery and intake, with EC motor, with reduced electrical consumption;
- ISO ePM10 50% on the suction ducts;
- automatic electronic by-pass and integrated temperature probes for detecting the air temperature;
- 90° directional grilles;
- reversibility of assembly for aeraulic connections;
- condensate drain included.
- other types of filter with different levels of filtration available on request



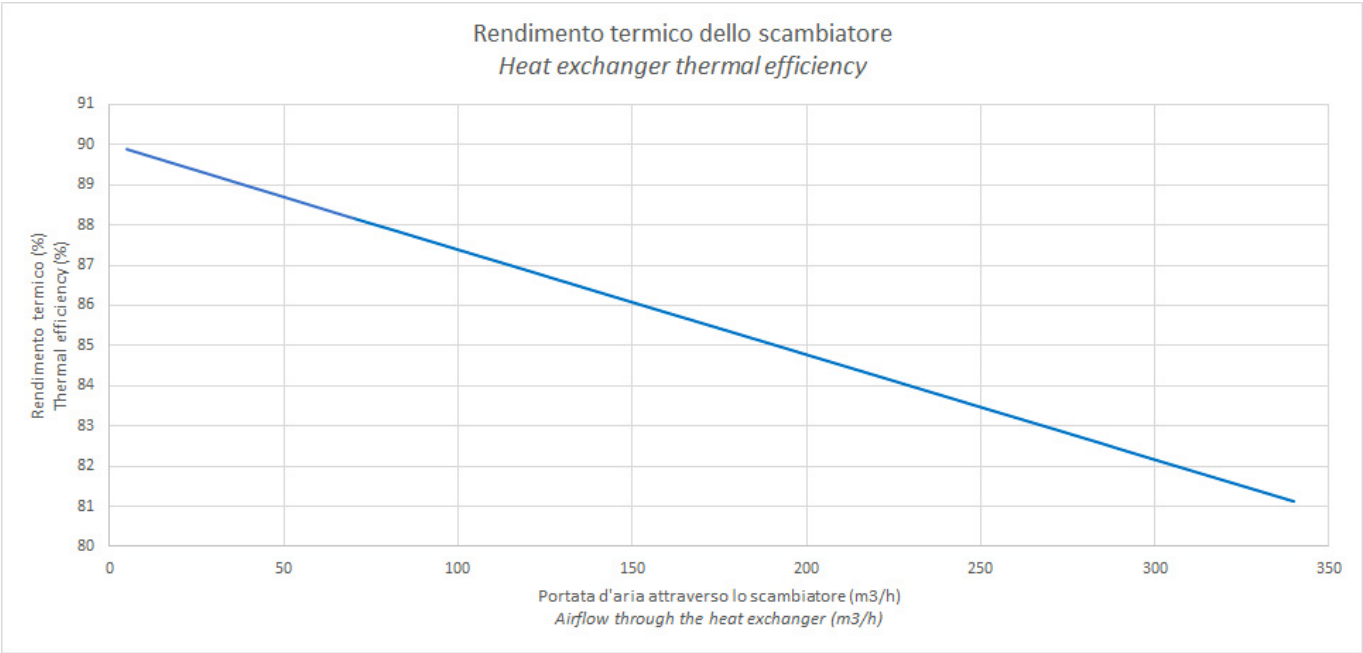
DIMENSIONS

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

TECHNICAL DATA

Modello	HRVU TS120	HRVU TS180	HRVU TS250	HRVU TS320
Alimentazione	230 V – 50 Hz			
Potenza massima (W)	50	70	120	160
Corrente massima (A)	0.3	0.4	0.5	0.7
Classe di isolamento	Classe 1			
Grado IP	IP22			
Temperatura funzionamento vano di installazione (°C)	-10°C ÷ +40°C			
Umidità relativa di funzionamento (%RH @25°C)	< 85 %			
	DATI PRESTAZIONALI			
Portata volumetrica (m³/h)	120	180	250	320
Classe energetica (SEC clima temperato)	A			
Rendimento termico (%)	88	87	85	84
Tipologia di recuperatore di calore	Scambiatore di calore sensibile in controflusso HRC1a			
By-pass termico	Non presente	Meccanico ad azionamento elettronico		
Temperatura minima dell'aria esterna (°C)	-15			
Flussi reversibili	sì			
Funzione antigelo	no	sì (sbilanciamento dei flussi)		
Filtri aria di serie	ISO ePM10 50%			
Filtri aria aggiuntivi (a richiesta)	ISO ePM1 >50%			
Potenza Sonora LWA	46	47	48	49
	CARATTERISTICHE COSTRUTTIVE			
Tipo di motori	Brushless EC			
Materiale scocca	Polipropilene espanso (EPP) con supporti in lamiera zincata			
Dimensioni (mm)	1100x230x610			
Peso (kg)	14			
Raccordi aeraulici (Ø mm)	150			
Scarico condensa	Filettato ½" o portagomma			
	COMANDI			
Controllo remoto	Regolatore 0-10V	Comando digitale a 4 tasti - Wireless		
Programmazione settimanale	no	Comando disponibile a richiesta		
Controllo BMS	0-10 V	MODBUS - RS485 RTU		

HEAT EXCHANGER HEAT EFFICIENCY



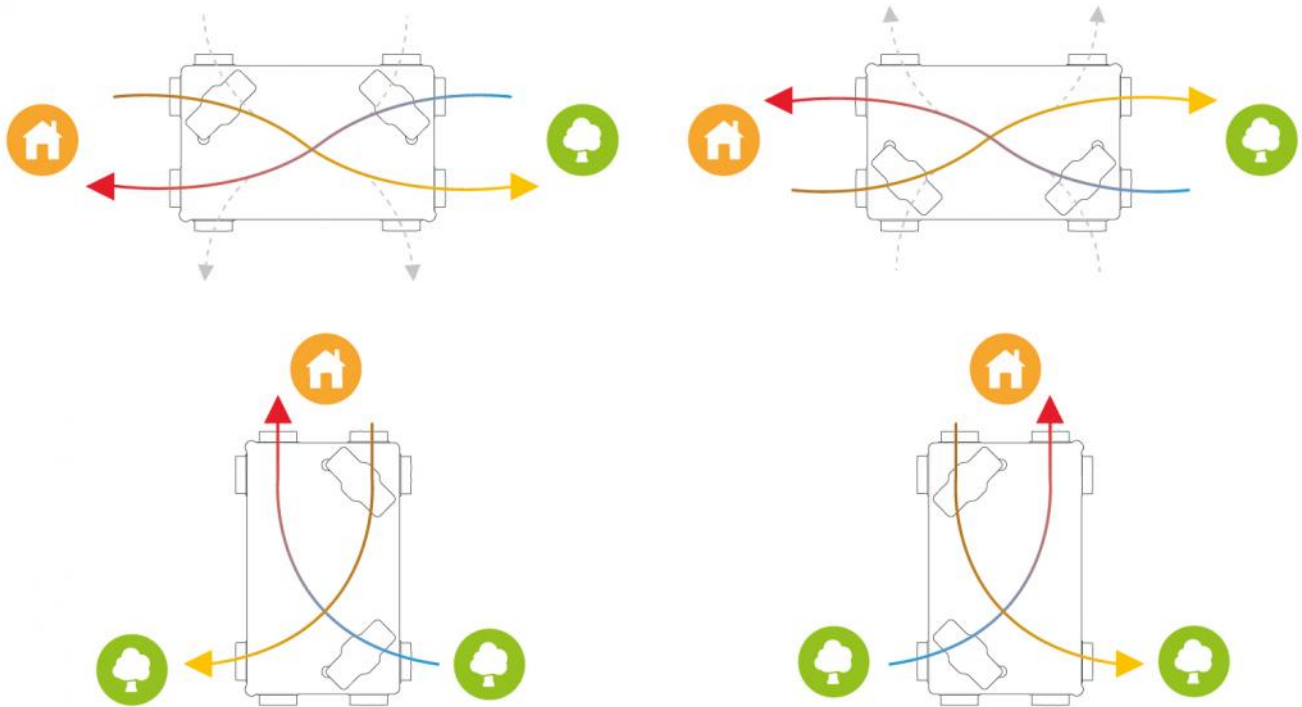
CONTROL DEVICES

	ACD200068	ACD200067	ACD200066	ACD200075
				
				

REVERSIBILITY OF ASSEMBLY

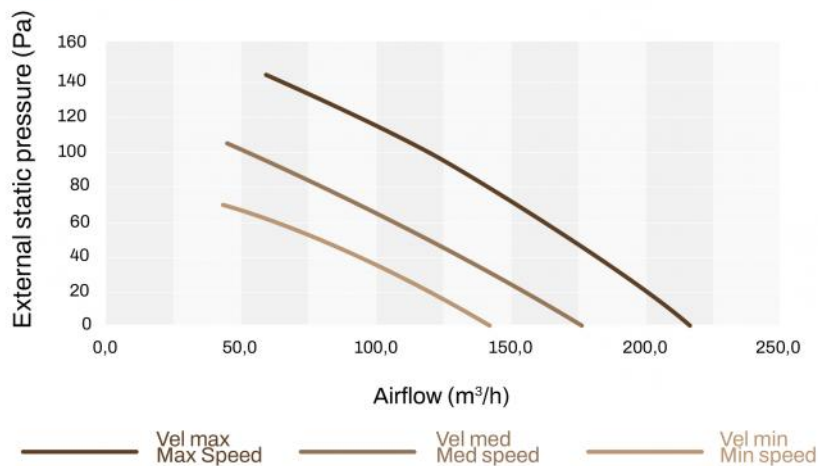


90° ADJUSTABLE AERAULIC CONNECTIONS

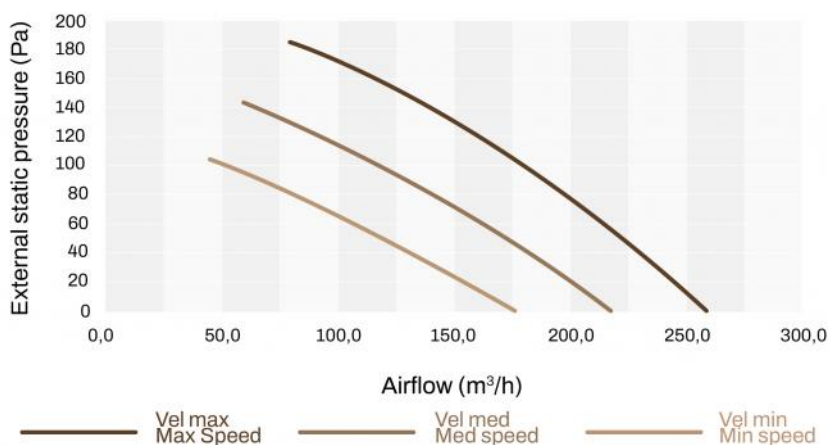


LOAD CAPACITY AND PERFORMANCE GRAPHS

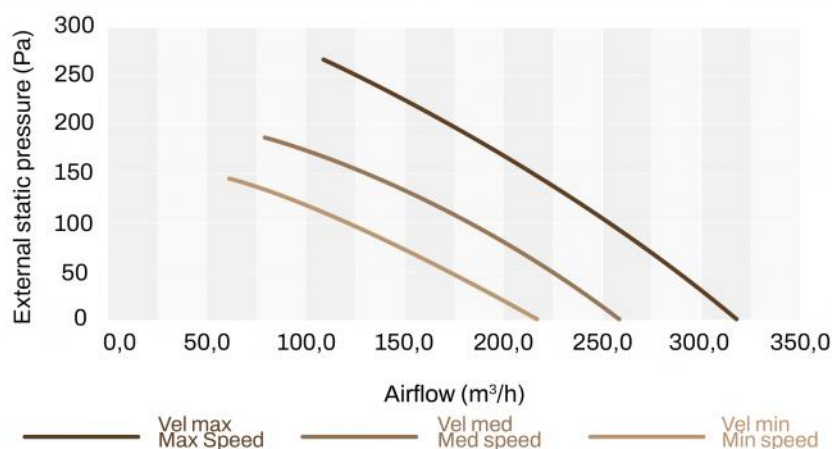
TS-HRVU 120 m³/h



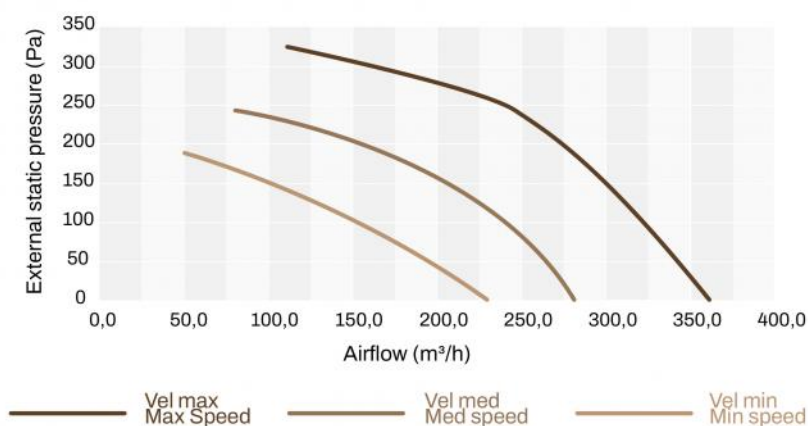
TS-HRVU 180 m³/h



TS-HRVU 250 m³/h



TS-HRVU 320 m³/h



APPLICATIONS



ACCESSORIES



Control for VMC display
with programming



Plate and mount for selector switch
installation



Control for HRVU VMC
CO² sensor



Control for HRVU VMC
humidity sensor

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
ACD200069	CONTROL DEVICE WITH PROGRAMMING DISPLAY
ACD200077	
ACD200078	
ACD200070	BLOCK FRAME FOR CONTROL DEVICE BOX503
ACD200071	FOLDED FILTER F7 ISO EMP >50% 185x255x22 FOR MODEL 120-180-250-320m3h

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