



VERTICAL SUPPLY-EXHAUST UNIT WITH ENERGY RECOVERY



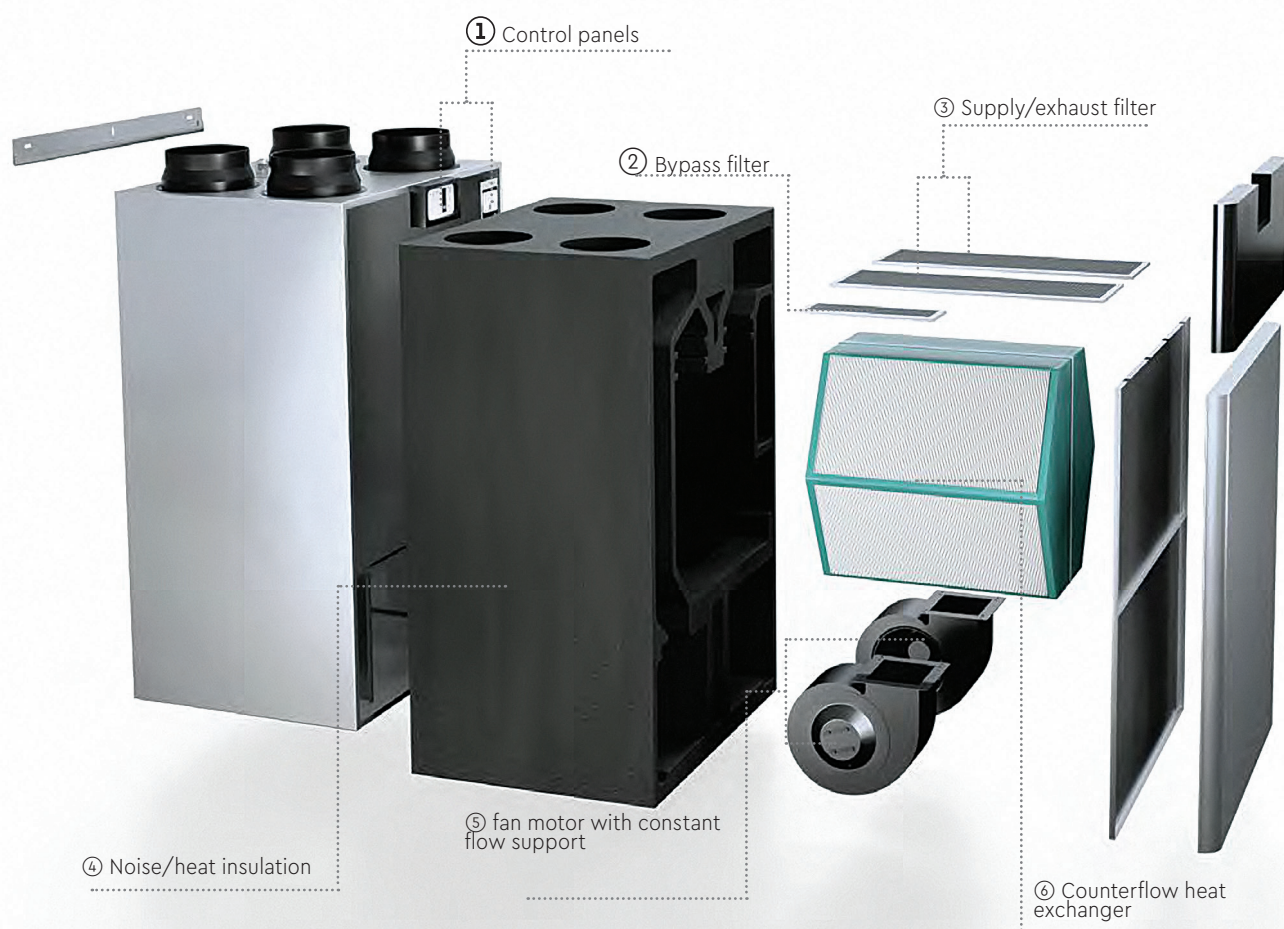
Wi-Fi

Optional

MAIN CHARACTERISTICS



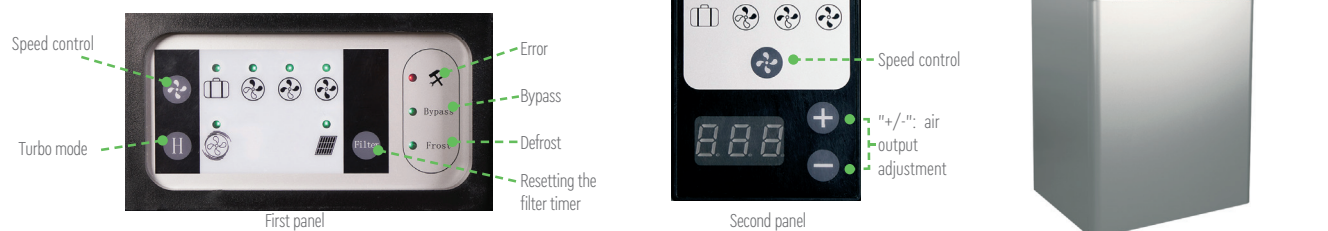
- Compact design.
- 4 operation modes
- Automatic CO₂ control
- Air duct connection from above
- Counterflow heat exchanger
- Heat recovery efficiency up to 95%
- DC fan
- «Bypass» function
- Control on the casing + remote control (optional)
- Left or right installation type
- Wi-Fi control (optional)



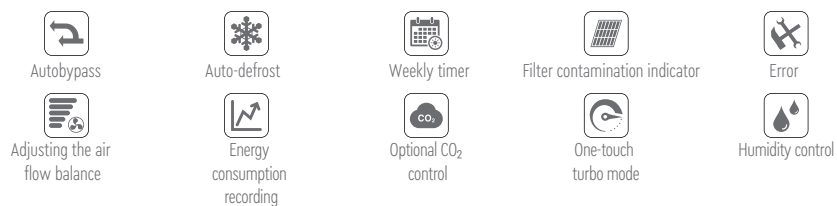
CONTROL FUNCTIONS

Built-in control panel

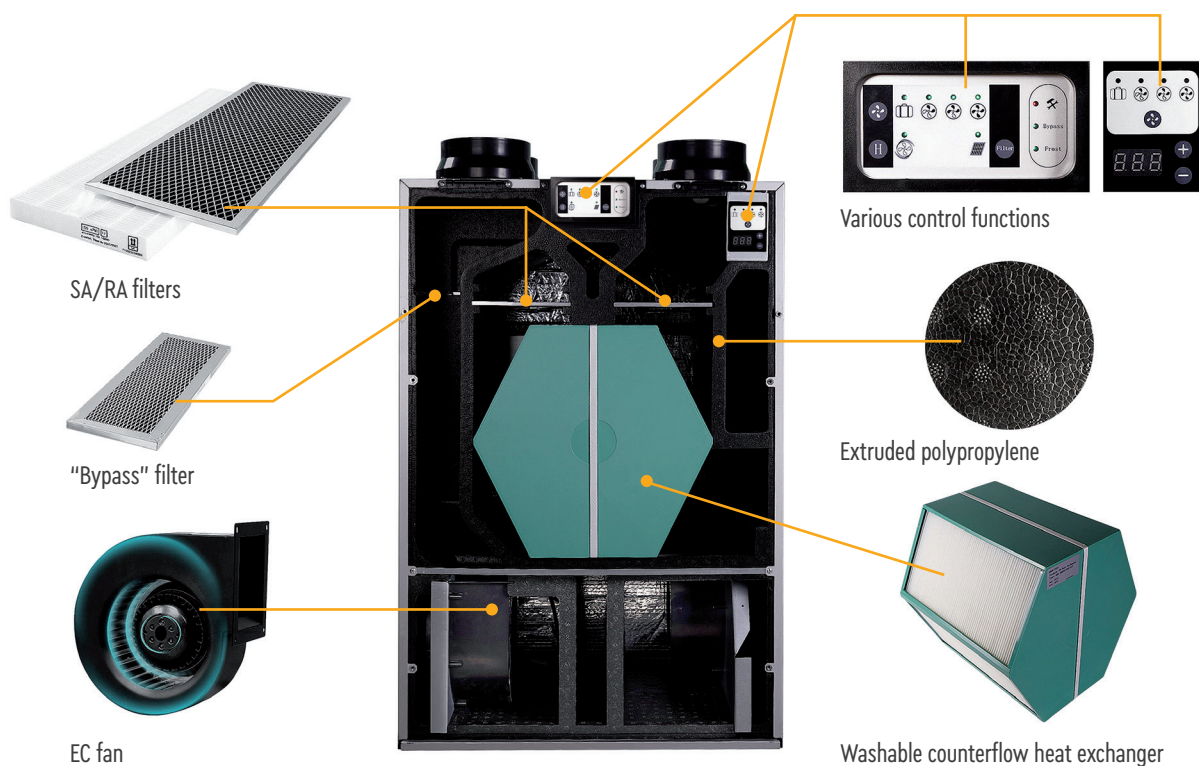
There are two control panels on the unit's body.
The first panel sets basic daily settings;
the second panel has advanced features.



ADVANCED LCD REMOTE CONTROL PANEL (optional)



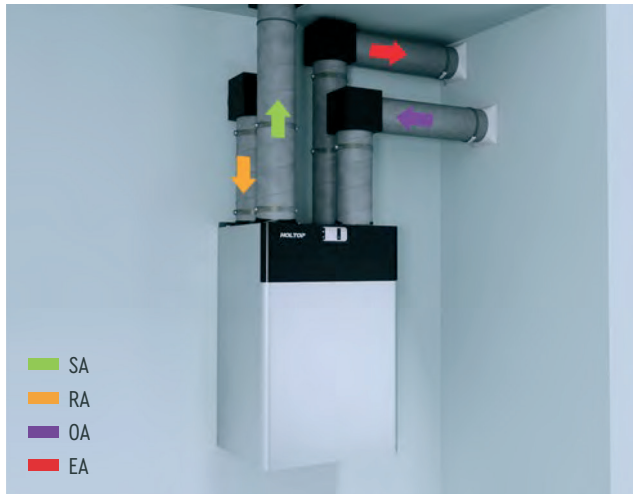
DESIGN



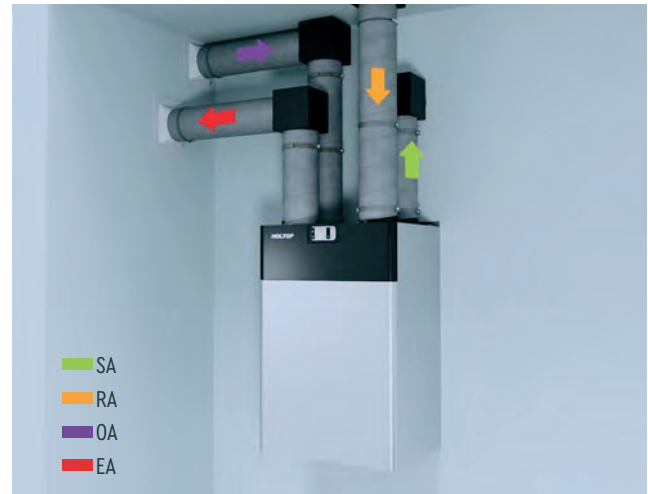
FLEXIBLE INSTALLATION

The right/left installation type can be configured on site according to site requirements.

Right type (default)



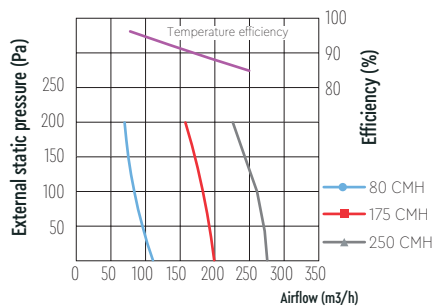
Left type



OA – inlet to the unit (intake)
RA – exhaust air (exhaust)
SA – supply air (inflow)
FR (EA) – exhaust air (exhaust)

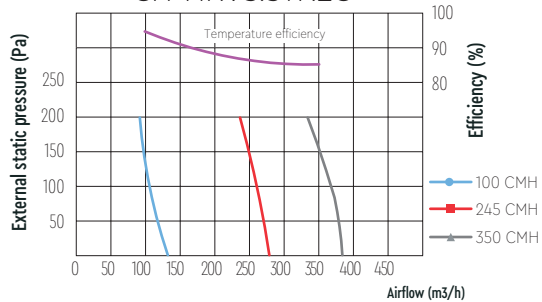
PERFORMANCE CHART

CH-HRV2.5TKEC



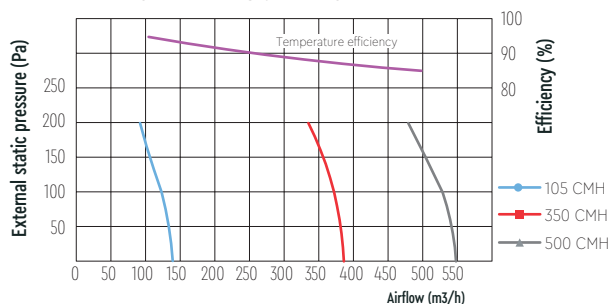
CH-HRV2.5TKEC				
Nº	Air flow rate (m³/h)	P (Pa)	N (W)	SFP*(W/l/sec)
1	250	100	128.0	0.14
2	250	50	110.0	0.12
3	175	100	78.5	0.12
4	175	50	62.0	0.10
5	80	100	41.3	0.14
6	80	50	31.0	0.11

CH-HRV3.5TKEC



CH-HRV3.5TKEC				
Nº	Air flow rate (m³/h)	P (Pa)	N (W)	SFP*(W/l/sec)
1	350	100	267.3	0.21
2	350	50	260.0	0.21
3	245	100	128.0	0.15
4	245	50	106.0	0.12
5	100	100	43.8	0.12
6	100	50	34.0	0.09

CH-HRV50TKEC



CH-HRV50TKEC				
Nº	Air flow rate (m³/h)	P (Pa)	N (W)	SFP*(W/l/sec)
1	500	100	399.0	0.22
2	500	50	380.0	0.21
3	350	100	209.3	0.17
4	350	50	155.0	0.12
5	105	100	60.9	0.16
6	105	50	30.0	0.08

* SFP (indicator of power ventilation pressure) includes the energy consumption of fans and heating circuit boards.

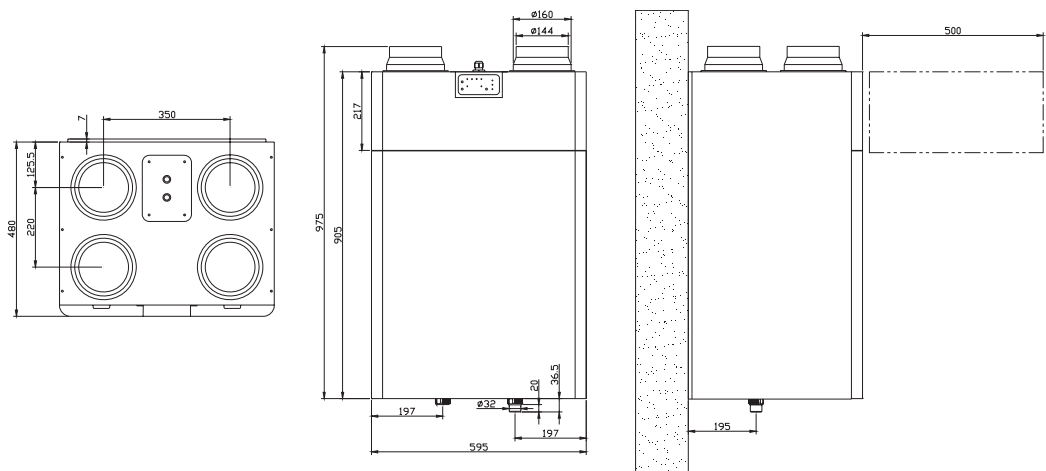
TECHNICAL SPECIFICATIONS

Model		CH-HRV2.5TKEC	CH-HRV3.5TKEC	CH-HRV5TKEC
Power supply	V/Hz/Ph	230/1/50		
Air flow volume	m³/h	250	350	500
External static pressure	Pa	130	150	160
Temperature efficiency rate	%	85	85	85
Heat recovery rate	%	90	87	88
Power input	W	137	272	412
Current input	A	1.5	2.4	3.2
Operating range (with heater)	°C	-25 ...+40		
Operating range (no heater)	°C	-10 ...+40		
Case material		Galvanized steel		
Isolation		Foam polypropylene		
Filter class		G4		
Connection diameter	mm	160	160	200
Sound pressure*	dB(A)	35	37	39
Energy efficiency grade		A+	A	A
Weight	kg	40	40	50

Note: This noise level is measured at 70% of maximum air flow and 50 Pa static pressure.

OVERALL DIMENSIONS

CH-HRV2.5TKEC, CH-HRV3.5TKEC



CH-HRV5.0TKEC

