

ELFOFresh EVO

CPAN-YIN SIZE2

Controlled mechanical ventilation unit
with thermodynamic heat recovery

ENERGY SAVING



Free Cooling / Heating

COMFORT



Hot Cold



Silent

RELIABILITY



Condensate drain pump

HEALTH



High density filter



Fresh air renewal



Purification renewal



Eco-friendly refrigerant



Energy renewable

CONVENIENCE



Weekly Timer

MANAGEMENT AND CONNECTIVITY



Input ON/OFF



Port Modbus



Control via App



Control4 NRG management



Clivet Eye monitoring

VMC WITH RECOVERY



- ✓ Innovative heat recovery system that alone fulfils over 85% of the building's demands
- ✓ Humidity control of incoming air
- ✓ Purifies the air with the high efficiency electrostatic filter (optional)
- ✓ Inverter DC compressor and constant flow DC fan for the best modulation operation
- ✓ Advanced connectivity: management via the dedicated SmartHome App or via the Modbus port with Control4 NRG standard supplied

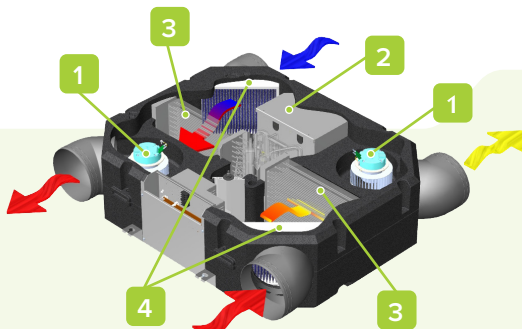
Heats or cools for free

As well as renewing and purifying the ambient air, ELFOFresh EVO is a real support for the main heating and cooling generator.

Alone, it can fulfil up to 85% of the thermal demands of the house, whereas a traditional passive recuperator can typically only contribute between 10% (in summer) and 45% (in winter).

In spring or autumn, when the weather is mild, ELFOFresh EVO works mainly in Free Cooling / Heating: it only uses the thermal content of outdoor air for air conditioning, working at virtually zero (energy and economic) cost.

Chosen during design, ELFOFresh EVO allows a smaller generator to be used: less space and cheaper!



1. DC inverter fan with constant flow
2. Inverter DC rotary compressor
3. Air-gas finned exchanger
4. Air filter

configurations

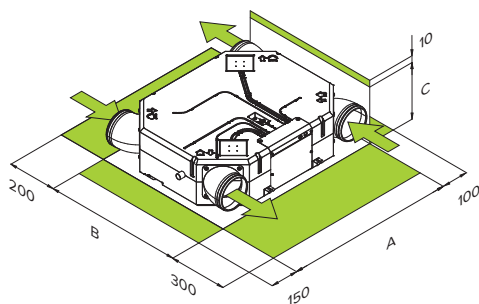
TYPE OF INSTALLATION:

- **false ceiling (standard)**
- EI** false ceiling (standard)

AIR FILTRATION:

- **Standard filter (standard)**
- FIFD** Electronic filters with iFD technology (ISO 16890 ePM1 90%)

dimensions and connections



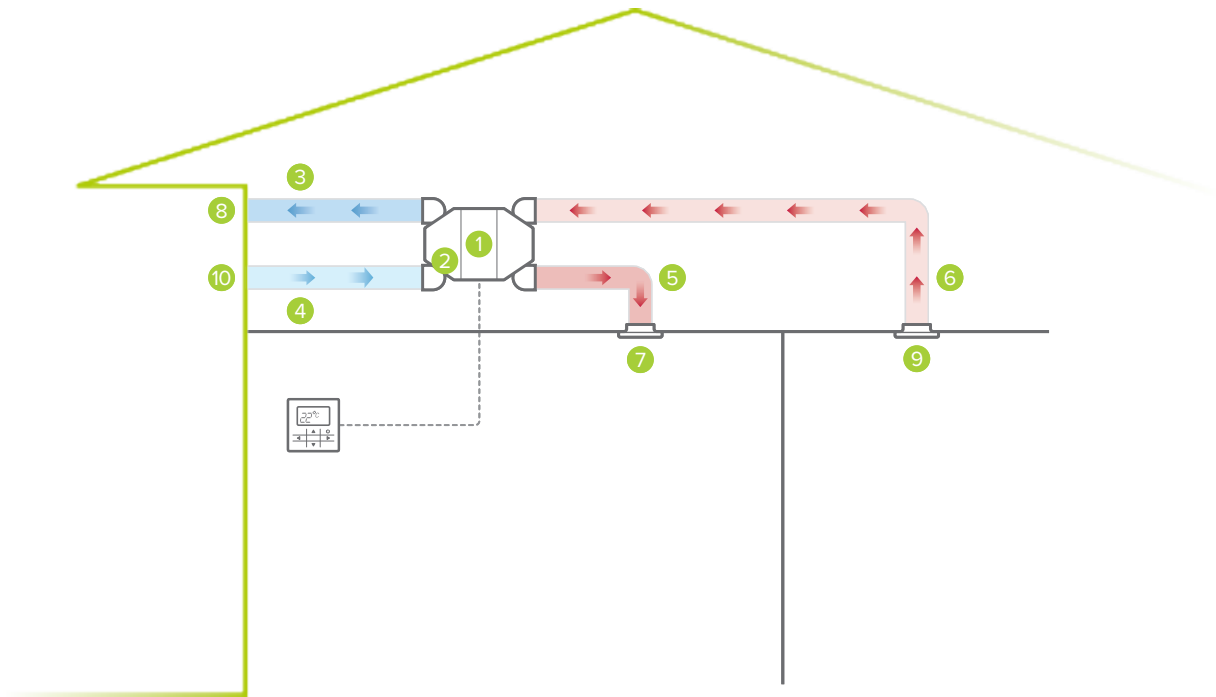
For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

Size		Size 2	
Dimensions	AxCxB	mm	1.107x290x900
Weight		kg	44
Refrigerant charge		tipo / GWP	R-32 / 675
		kg	0,30
		CO ₂ tons	0,20
External diameters	Air	mm	200
	Condensate drain	mm	32

technical data

Size		Size 2					
			125	150	210	270	320
Ventilation	Settable air flow						
	Available pressure	Nominal / Maximum			50 / 120		
	Fresh Air				100%		
	Filters type				Folded filter		
	Filtration class				PM10 50%		
Winter recovery	Heating capacity	Ambient Air 20 °C/50% UR					
	COP	Outdoor air 7 °C/6°C WB					
	Heating capacity	Ambient Air 20 °C/50% UR					
	COP	Outdoor air -5 °C/80% UR					
Summer recovery	Cooling capacity	Ambient Air 26 °C/50% UR					
	EER	Outdoor air 35 °C/50% UR					
Electrical power for meter sizing					1,08		
Power supply	Voltage/Frequency/Phases				230/50/1		
Sound power		Minimum / Maximum			47 / 58		
Sound pressure @1 m		Minimum / Maximum			34 / 45		
Operating range							
Operating range (Indoor air)	Heating	Minimum / Maximum			15 / 30		
	Cooling	Minimum / Maximum			16 / 30		
Operating range (outdoor air)	Heating	Minimum / Maximum			-20 / 28		
	Cooling	Minimum / Maximum			16 / 45		

Data according to EN 14511: 2018 and referred to available pressure of 50 Pa.



Air renewal system

- 1 Mechanical ventilation unit with thermodynamic heat recovery
- 2 integrated electrostatic filter (optional)
- 3 Exhaust air duct (optional)
- 4 outdoor air duct (optional)
- 5 intake air duct (optional)
- 6 Extracted air duct (optional)
- 7 Supply grille (optional)
- 8 Exhaust grille (optional)
- 9 extraction grille (optional)
- 10 outdoor air grille (optional)

Note: for the distribution system in detail see the ELFOAir section

