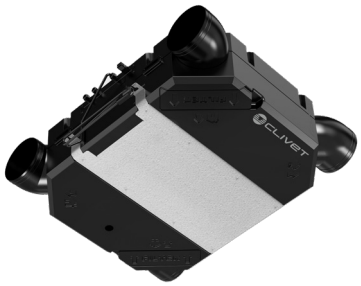
ELFOFRESH EVO

Mechanical ventilation unit with thermodynamic heat recovery



HEAT PUMPS

Energy saving

Free Cooling / Heating

Comfort

Hot Cold

Silent

Convenience

Weekley Timer

Health

Filtro ad alta densità

Fresh air renewal

Purification renewal

Eco-friendly refrigerant

Energy renewable

Management and connettivity

Input ON/ OFF

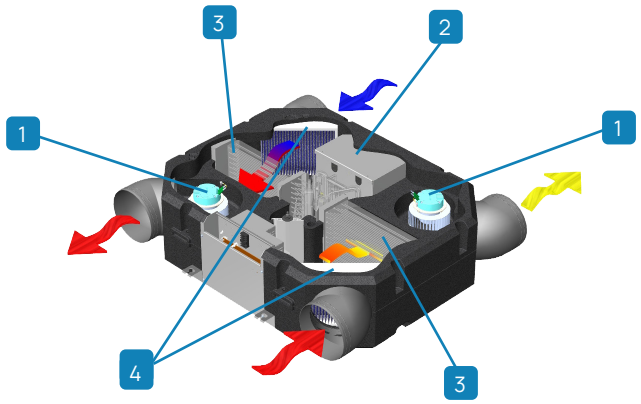
Port Modbus

Control via App

CONTROL4 NRG management

Clivet Eye monitoring

- ✓Innovative heat recovery system that alone fulfils over 85% of the building's demands
- ✓Air humidity control
- ✓Purifies the air with the high efficiency electrostatic filter (optional)
- ✓Inverter DC compressor and constant flow DC fan for the best modulation operation
- ✓SmartHome App or via the Modbus port with CONTROL4 NRG standard supplied



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

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!

Configurations

TYPE OF INSTALLATION:

-	false ceiling (standard)
EI	in-view installation

AIR FILTRATION:

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

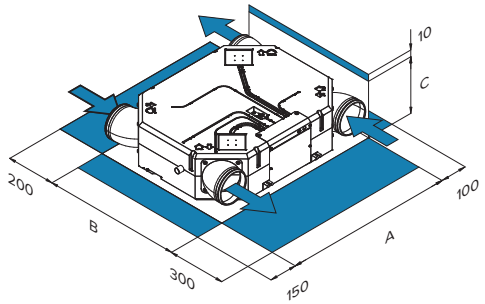
Technical data

Size					Size 2				
Ventilation	Settable air flow			m³/h	125	150	210	270	320
	Available pressure		Nominal / Maximum	Pa			50 / 120		
	Fresh Air		-	-			100%		
	Filters type		-	-			Folded filter		
	Filtration class		-	-			PM10 50%		
Winter recovery	Heating capacity	Ambient Air 20 °C/50% UR Outdoor air 7 °C/6°C WB		kW	1,42	1,55	1,86	2,05	2,49
	COP			-	3,09	3,69	4,13	4,93	4,61
	Heating capacity	Ambient Air 20 °C/50% UR Outdoor air -5 °C/80% UR		kW	1,97	2,1	2,21	2,37	2,45
	COP			-	4,93	4,04	4,7	6,5	7,66
Summer recovery	Cooling cpacity	Ambient Air 27 °C/50% UR Outdoor air 35 °C/40% UR		kW	1,57	1,64	1,73	1,92	2,23
	EER			-	4,34	3,15	3,26	3,5	2,77
Electrical power for meter sizing				kW			1,08		
Power supply		Voltage/Frequency/Phases		V/Hz/n°			230/50/1		
Sound power			Minimum / Maximum	dB(A)			47 / 58		
Sound pressure @1 m			Minimum / Maximum	dB(A)			34 / 45		
Operating range									
Operating range (Indoor air)	Heating		Minimum / Maximum	°C			15 / 30		
	Cooling		Minimum / Maximum	°C			16 / 30		
Operating range (outdoor air)	Heating		Minimum / Maximum	°C			-20 / 28		
	Cooling		Minimum / Maximum	°C			16 / 45		

Data according to EN 14511: 2022 and referred to available pressure of 50 Pa.

Valid from: January/2026 REF. DG26A902GB-01

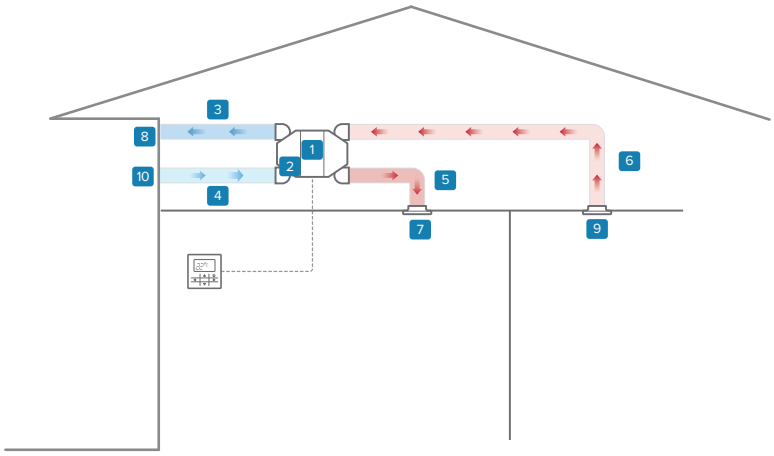
Dimensions and connections



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

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

System diagrams



Air renewal system

1. Ventilation heatpump with 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

I dati contenuti nel presente documento non sono impegnativi e possono essere modificati dal Costruttore senza obbligo di preavviso