

Kers + 50

High-efficiency, independent, punctual heat recovery unit for installation on perimeter walls for punctual energy-controlled mechanical ventilation systems



ITEM OF SPECIFICATIONS

Point heat recovery unit, to be inserted in perimeter walls, with a high efficiency 97% hexagonal cell ceramic exchanger, capable of treating a maximum flow rate of 50 mc / h of air alternately in input and extraction, for a internal volume that can be served up to 50 m3. The wind damper prevents unwanted drafts when the device is not in operation. Sound pressure at 3 m less than 26 dB according to UNI EN ISO 3746:1997, external noise attenuation of 42 dB, energy-saving EC motor, power consumption less than 5 W. Supplied with remote control as standard. It is Wi-Fi Ready and, with the addition of Wi-Fi+, is usable with dedicated app.

code	product	
VRKS52W	Decentralized HRV Kers+ 50 with remote control, Wi-Fi Ready	

NUOVO

FIELD OF USE

Kers + units are designed to perform the following functions in each individual room e:

- Provide fresh air, taken from outside the building, with flow rate up to 50 m3/h of fresh air.
- Recover up to 97% of the heat from the stale air extracted from rooms to heat (in winter) and cool (in summer) the new air, before releasing it into the environment, with significant energy savings.
- Filter the air coming from outside and the air extracted from the premises. The units are designed for use in residential construction, and in particular to ventilate rooms for which it is not considered useful to install centralized systems. They can be installed through walls and are therefore particularly suitable for the recovery and partial renovation of rooms in which mold forms due to insufficient ventilation.

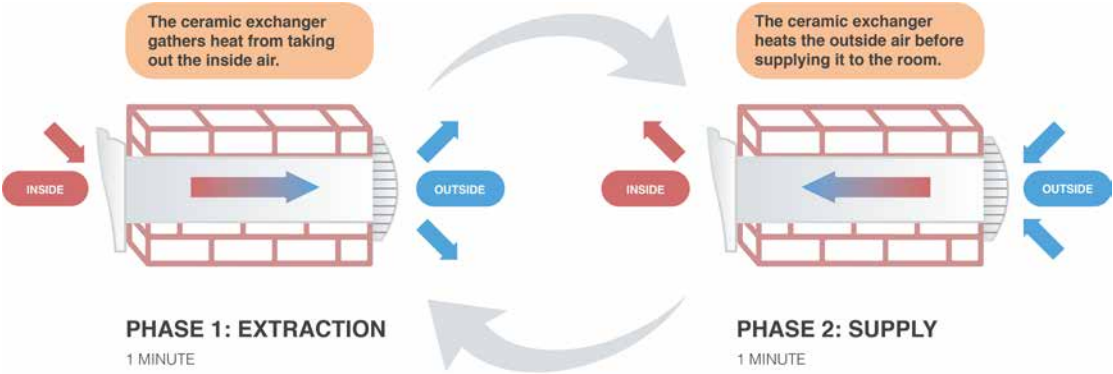
The maximum air flow of each unit is 50 m3/h. Thanks to their alternating-mode operation (50% of the time in extraction and 50% in introduction), the effective exchange rate is 25 m3/h. Kers + 50 recuperators provide air renewal in rooms with a floor area of up to 18 sq m, while Kers + 25 recuperators serve up to 9.2 sq m (calculated considering an air renewal rate of 0.5 vol/h and an indoor room height of 2.7 m).

Description	[UoM]	Kers+ 50			
Speed		Max.	Med.	Min.	Sup. Min.
Air flowrate	mc/h	50	30	19	12
Renewal scope in alt. function	mc/h	25	15	9.5	6
Noise level at 3 meters	dB	26.4	16.4	7.6	5
Energy recovery efficiency	%	Up to 97%			
Type of recuperator	-	Ceramic Hexagonal			
Electrical protection class	-	IPX4			
Power	V	230			

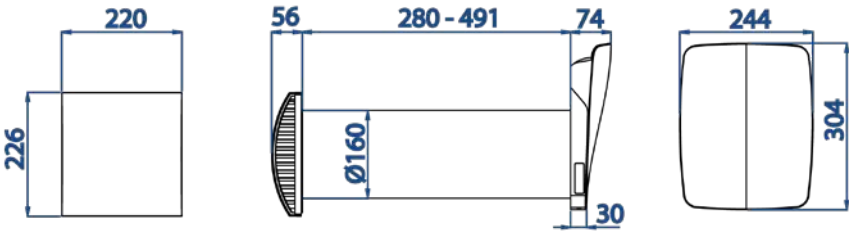
PRINCIPLE OF OPERATION

Phase 1:
The fan extracts the hot air from the room and sends it outside, through the recuperator. This cools the air and retains the heat contained in it.

Phase 2:
The fan reverses the flow and draws in cold air from the outside. This, in contact with the recuperator, heats up before entering the room.



DIMENSIONS AND ACCESSORIES



	specific accessories for Kers +	cod. art	
	Extension 70 cm for Kers + 50	VPKT12	
	Flexible outer grid for Kers +.50 White	VTGF03	
	Flexible External Grid for Kers +.50 Copper Color	VTGF04	
	Wi-Fi+ stick	TQCT07	

Energy class A
At the top of the sector

EC fans
Maximum silence

7 dB
SUPER
SILENZIOSO

Acoustic attenuation
External noise 42dB

Remote control as standard
No breaks necessary

Ceramic module
with hexagonal cells

Recovery efficiency
up to 97%

97%
RECUPERO
ENERGIA

Kers + 25

High-efficiency, independent, punctual heat recovery unit for installation on perimeter walls for punctual energy-controlled mechanical ventilation systems



ITEM OF SPECIFICATIONS

Decentralized heat recovery unit, for insertion in perimeter walls, with ceramic hexagonal cell heat exchanger with very high efficiency up to 97%, capable of treating a maximum flow rate of 25 mc/h of air alternately in supply and exhaust, for an internal serviceable volume of up to 24.5 m³. Quietness less than 29 dB according to UNI EN ISO 3746:1997, sound attenuation of external noise of 42 dB, energy-saving EC motor, supplied with remote control. It is Wi-Fi Ready and, with the addition of Wi-Fi+, is usable with dedicated app.

code	product	
VRKS27W	Decentralized HRV Kers + 25 with remote control, Wi-Fi Ready	

NUOVO

FIELD OF USE

Kers + units are designed to perform the following functions in each individual room:

- Provide fresh air, taken from outside the building, with flow rate up to 50 m³/h of fresh air.
- Recover up to 97% of the heat from the stale air extracted from rooms to heat (in winter) and cool (in summer) the new air, before releasing it into the environment, with significant energy savings.
- Filter the air coming from outside and the air extracted from the premises. The units are designed for use in residential construction, and in particular to ventilate rooms for which it is not considered useful to install centralized systems.

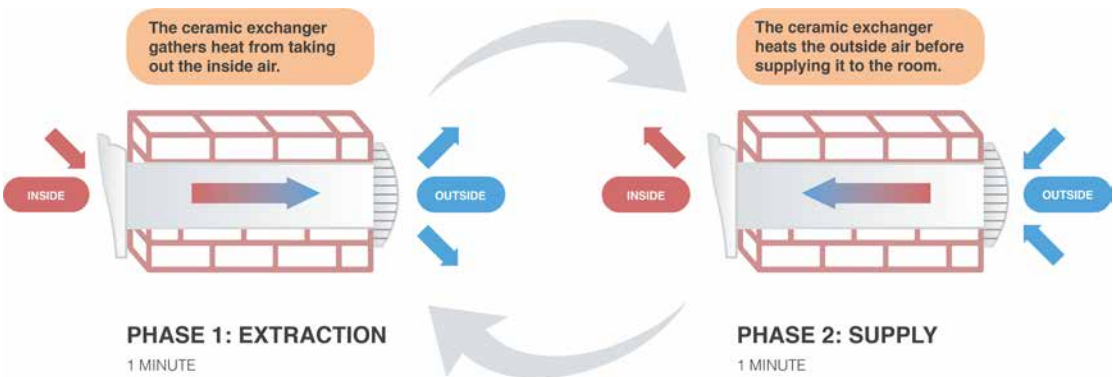
They can be installed through walls and are therefore particularly suitable for the recovery and partial renovation of rooms in which mold forms due to insufficient ventilation. The maximum air flow of each unit is 50 m³/h. Thanks to their alternating-mode operation (50% of the time in extraction and 50% in introduction), the effective exchange rate is 25 m³/h. Kers + 50 recuperators provide air renewal in rooms with a floor area of up to 18 sq m, while Kers + 25 recuperators serve up to 9.2 sq m (calculated considering an air renewal rate of 0.5 vol/h and an indoor room height of 2.7 m).

Description	[UoM]	Kers+ 25			
Speed		Max.	Med.	Min.	Sup. Min.
Air flowrate	mc/h	25	15	9	7
Renewal scope in alt. function	mc/h	12,5	7.5	4.5	3.5
Noise level at 3 meters	dB	28.5	18.6	7.8	4
Energy recovery efficiency	%	Up to 97%			
Type of recuperator	-	Ceramic Hexagonal			
Electrical protection class	-	IPX4			
Power	V	230			

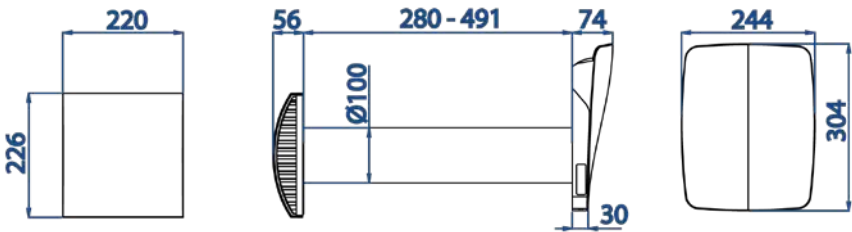
PRINCIPLE OF OPERATION

Phase 1:
The fan extracts the hot air from the room and sends it outside, through the recuperator. This cools the air and retains the heat contained in it.

Phase 2:
The fan reverses the flow and draws in cold air from the outside. This, in contact with the recuperator, heats up before entering the room.



DIMENSIONS AND ACCESSORIES



Kers +.25: INSTALLATION HOLE D.100 mm

	specific accessories for Kers +	cod. art	
	Extension 70 cm for Kers + 25	VPKT13	
	Flexible outer grid for Kers +.25 White	VTGF01	
	Flexible External Grid for Kers +.25 Copper Color	VTGF02	
	Wi-Fi+ stick	TQCT07	

Energy class A
At the top of the sector



EC fans
Maximum silence



Recovery efficiency
up to 97%



Remote control as standard
No gap needed for control



Ceramic module
with hexagonal cells

