

KERS is a high-efficiency heat recovery device, specifically designed to install room-by-room heat recovery ventilation system. KERS boasts an high-efficiency ceramic recovery core that enables it to attain a heat recovery efficiency up to 97%. If KERS is installed in each room, it will improve the overall energy performance of the building and its energy class.



	Kers 50			Kers 25			[UdM]
	1	2	3	1	2	3	
SPEED							[-]
POWER SOURCE			230			230	[V]
ELECTRICAL POWER CONSUMPTION	3.8	3.9	5.5	3.8	3.9	5.5	[W]
AIRFLOW RATE	6.7	15.5	23	6.7	15.5	23	[mc/h]
NOISE	24	28	33	24	28	33	[dB]
HEAT RECOVERY OPERATING RANGE	MIN - 20°C - MAX +50°C			MIN - 20°C - MAX +50°C			[°C]
HEAT RECOVERY EFFICIENCY	UP TO 97%			UP TO 97%			[%]
CERAMIC CORE TYPE	CERAMIC SQUARE			CERAMIC SQUARE			[-]
ELECTRICAL PROTECTION CLASS	IP24			IP24			[-]

HEAT RECOVERY VENTILATION AND NO DUCTS



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The flow rate is up to 50 m3/h, that means that KERS can change the air quickly and silently, but without any energy waste. In winter the ventilation of Kers keeps humidity in check and thus **prevents or solves the problem of mold formation in the corners of the rooms.**



Kers can work as stand-alone, or it can be controlled via the remote control, supplied with each unit. Several operation modes (free cooling, extraction only, heat recovery, humidity-activated ventilation), make sure the optimal comfort is always at reach. **Kers does not require any switchboard or control box to be placed in the wall,** dispensing with the related masonry and wiring work

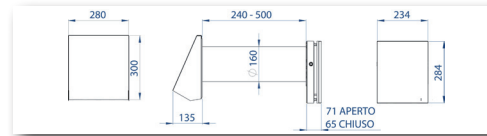
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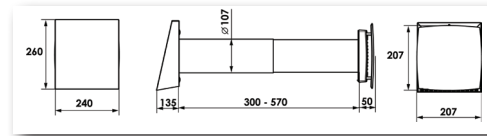
Kers



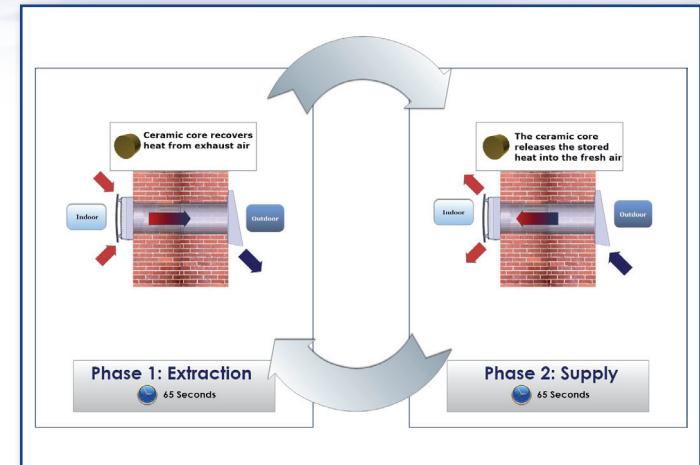
KERS.25 is suitable for heat recovery ventilation of rooms up to 10 sqm for each device. KERS.50 for rooms up to 20 sqm. To ventilate rooms bigger than this, more than one device can be installed-



KERS.50: WALL HOLE D.165mm

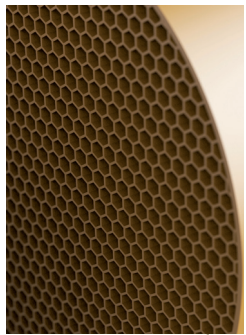


KERS.25: WALL HOLE D.110mm



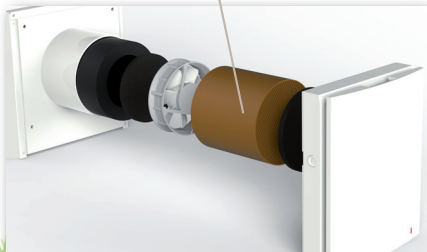
How can KERS recover energy?

The device extracts exhaust air from the room for 65 seconds, the airflow goes through the ceramic core, and it heats it up. The ceramic core stores the heat for the next phase: The fan changes direction and the fresh air coming from outside goes through the same ceramic core. The core heats up the air with the previously stored energy. The result: fresh air coming from outside, at almost same indoor temperature. The same process works in summer too, so Kers saves energy all-year around.



CLOSE UP OF THE HEXAGONAL CELLS OF THE RECOVERY CORE

Kers is the easiest way to deploy a ventilation system in existing building. A combination of the hexagonal-cell ceramic core and inverter fan motors ensure record-setting performance. Further to that, **humidity-activated ventilation and remote control are supplied as standard.**



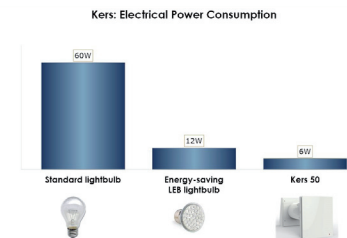
EFFICIENCY
97%



Kers can be installed virtually anywhere, it's enough to drill a hole through the wall. (Hole diameter 160 mm for Kers 50, 110 for Kers 25), wire it to power mains, and the product is ready to be used. The improved design of the indoor panel make it blend with the indoor decor.



As an optional, flexible grilles are available in white or copper finishing. **They ensure a complete indoor installation of Kers, without any outdoor scaffolding.**



KERS needs less electrical power than a LED light bulb