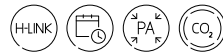


Heat recovery units

Active KPI. High-efficiency recovery with direct expansion coil



Active KPI-X4E

With direct expansion coil, which conditions the outdoor air in accordance with indoor requirements.

Compliance with standard

Compliance with the ErP Ecodesign Directive Lot 6 for ventilation units with requirements in force as of 1st January 2018.

G3 and F7 filters to purify the air

KPIs are supplied from the factory with two G3 filters, one for the air input and one for the output. In addition, a high-efficiency F7 air filter (classified according to EN779) is available as an accessory for installations where an additional filter section is required to ensure indoor air quality, reducing the effects of outdoor pollution.

Versatile ventilation systems

The user can choose from three operating options to ensure maximum comfort and also improve indoor air quality through renewal: forced energy recovery, free ventilation and automatic ventilation (default).

Static pressure adjustment

KPIs are designed for installation in almost any facility.

The ventilation pressure level can be adjusted quickly and easily using the base plate, in accordance with installation requirements. This guarantees that ventilation flow is reached.

KPIs also have an extra-high speed for installations with long duct runs or for additional filters.

Flexibility

Active KPI is compatible with:
- 2 and 2.5 HP Utopia.
- VRF Mini and VRF Set Free Sigma

Air adaptation

Additional treatment beforehand adapts the air to the conditions required in the room.

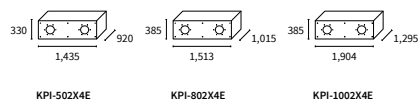
Air flow temperature control

The Active KPI acts just like another indoor unit. The control will take the temperature set using the remote control as the required discharge temperature.

Automatic by-pass

The KPI units have an automatically controlled internal by-pass damper which removes the need to add thermal load with the ventilation air supply when outdoor conditions are unfavourable for heat recovery.

Heat recovery unit



Heat recovery unit with direct expansion coil

		KPI-502X4E	KPI-802X4E	KPI-1002X4E
Nominal capacity (recovered)	Cooling	5.32 (1.81)	7.96 (2.94)	10.83 (3.73)
	Heating	6.92 (2.12)	9.79 (3.49)	12.93 (4.43)
Air flow (Low - Medium - High)	m ³ /h	380-430-500	590-700-800	740-820-1000
Static pressure (Low - Medium - High)	Pa	60-82-90	57-80-110	80-105-170
Maximum static pressure at nominal air flow	Pa	165	110	170
Outside operating temp.	°C	-20 to 40	-20 to 40	-20 to 40
Exchanger type		Air-to-air cross flow	Air-to-air cross flow	Air-to-air cross flow
Heat exchanger efficiency (High - Medium - Low)	%	76-75-73	79-78-76	79-78-76
Enthalpic exchanger efficiency in heating (High)	%	65	65	68
Enthalpic exchanger efficiency in cooling (High)	%	61	62	62
Sound pressure (Low - Medium - High)	dB(A)	29-30-32	32-33-34	31-33-36
Sound power	dB(A)	50	53	54
Pipe diameter	Liquid-gas inches	1/4-1/2	1/4-5/8	3/8-5/8
Dimensions (H x W x D)	mm	330x1,435x920	385x1,513x1,015	385x1,904x1,295
Diameter dimensions air intake mouth	mm	Ø 200	Ø 250	Ø 300
Weight	kg	62	69	100
Filter type included		G3	G3	G3
Electrical power		1~ 230 V 50 Hz	1~ 230 V 50 Hz	1~ 230 V 50 Hz

Compatible controls and accessories:

