



SYSTEM
FREE



KPI 252E4E-2002E4E



PC ARFPE



DOUBLE FLOW EXCHANGER

Functions

- /// Airflows from 250 to 2,000m³/h
 - The Hitachi heat recovery ventilation system (KPI) adjusts the temperature and humidity of incoming fresh air to match the indoor environment
- /// Low noise level
 - ErP lot 11 compliant fan motors resulting in low noise levels of 24dB(A)
- /// Highly-efficient exchanger with the following features:
 - Fresh air supply for indoor environments
 - Energy recovery ventilation between supply and extract air supplies (forced energy exchange mode) efficiencies up to 78%
 - Automatic ventilation (KPI controls which mode to operate within to achieve maximum energy efficiency)
 - Ventilation mode (forced bypass mode).

Comfort

- /// Over the entire KPI range high-efficiency filters (F7) are available. The same applies to consumption from the motors which has halved with values on the 1000 m³/h model only reaching 285 W
- /// The noise level has also been refined, with the lowest value obtained from the 252 model being 24 dB(A). Different static pressures are available in order to meet all the requirements possible.

Safety

- /// Possibility of fine tuning the CO₂ level complements these innovations (sensor not included)
- /// All insulation in the KPI range is M1 (NF-P92-501) certified to comply with the mandatory fire-retardant standards issued by ErP (Order of 11th December 2009, Article CH36).



KPI 502E4E-2002E4E

KPI Energy Recovery & Heat Recovery



ENERGY RECOVERY

		KPI 252E4E	KPI 502E4E	KPI 802E4E	KPI 1002E4E	KPI 1502E4E	KPI 2002E4E
Air Flow Rate (H/M/L)	m ³ /h	250 / 208 / 180	500 / 420 / 360	800 / 650 / 540	1000 / 800 / 620	1500 / 1250 / 950	2000 / 1450 / 1200
External Static Pressure ⁽¹⁾ (H/M/L)	Pa	55 / 35 / 30	80 / 50 / 37	90 / 60 / 40	95 / 65 / 40	100 / 70 / 45	120 / 65 / 40
Maximum external pressure (nom. air flow)	Pa	240	210	120	190	200	170
Sound Pressure Level ⁽²⁾ (H/M/L)	dB(A)	28 / 27 / 25	33 / 31 / 30	35 / 34 / 33	37 / 34 / 32	39 / 37 / 35	40 / 39 / 36
Exchanger Material		Air to Air cross flow Celluloid material (Total Energy Exchange)					
Temp Efficiency	%	79	78	78	83	80	80
Enthalpy Efficiency	Heating	66	65	65	68	68	66.5
	Cooling	60	61	62	62	62.5	61.5
Dimensions (H x W x D)	mm	270x900x750	330x1130x920	385x1210x1015	385x1600x1295	525x1800x1130	525x1800x1430
Weight	kg	34	46	51	79	97	106
Duct Sizes (dia)	mm	150	200	250	300	355	355
Supplied Air Filter Class (EN779) ⁽³⁾		G3	G3	G3	G3	G3	G3
Nominal Power Input (High)	W	48	117	243	261	462	666
Specific Fan Power (High)	W/(m ³ /s)	408	550	762	545	836	891
Working Range ⁽⁴⁾		-20°C – 46°C					
Power Supply		230V / 1Ph / 50Hz					
Recommended Fuse Size	A	5	5	5	10	10	10

If a KPI is operated individually add the PC-ARFPE remote controller to the price.
For details of interlocks with Utopia & Set Free systems contact your local sales office.

(1) Default fan pressure setting

(2) Sound pressure level has been measured in an anechoic chamber, with the measuring point 1.5m below the center of the unit, with no ceiling under the unit and using a sound insulated duct.

(3) Reflected sound must be considered when installing the unit in the field.

(4) High efficiency filter class F7 (EN779) is available as accessory.

(5) The installation of an electric heater is necessary when temperature becomes lower than -5°C (DB).

F7 FILTER	HEF-252	HEF-502	HEF-802	HEF-1002	HEF-1502	HEF-2002
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ATTENUATOR	-	STL-30-200-L600	STL-30-250-L600	STL-30-300-L600	STL-30-355-L600	STL-30-450-L600
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