

# Hitachi Air Conditioning

Engineered for tomorrow.



## KPI Active + DX Coil KPI-X3E

Hitachi's heat recovery ventilation system adjusts the temperature and humidity of incoming fresh air to match the indoor environment.



### Features and Benefits

- ✎ Capacities from 5.3kW to 12.9kW
- ✎ Linear flow between intake and air extraction ducts
- ✎ Reduced noise level: 26 dB (A) on KPI 502X3E
- ✎ Compatible with System Free indoor units, H-LINK II and CS Net Web
- ✎ R410A DX Coil allows connection to Utopia IXV split systems and Set Free VRF systems.

### 3 models available:

- ✎ 500 m<sup>3</sup> - Cooling capacity 5.3kW (1.5HP)
- ✎ 800 m<sup>3</sup> - Cooling capacity 8.0kW (2HP)
- ✎ 1000 m<sup>3</sup> - Cooling capacity 10.8kW (2.5HP)

Compatible with Hitachi's full range of commercial outdoor units.

## Optional Remote Controllers

### ✎ PC-ART

Standard wired remote controller (inc. 7-day time clock)



PC-ART

### ✎ PC-ARF

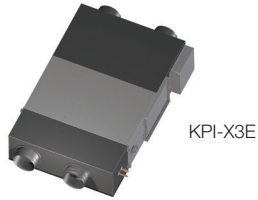
Advanced wired LED controller (inc. 7-day time clock)



PC-ARF

	KPI Active + DX Coil
	KPI 502 ~ 1002X3E
Air Flow Rate (m <sup>3</sup> /h)	500 ~ 1000
Capacity HP	1.5 ~ 2.5
Nominal Cooling Capacity (Utopia System) <sup>(1)</sup>	7.4 ~ 9.7
Nominal Heating Capacity (Utopia System) <sup>(1)</sup>	9.1 ~ 11.4
Nominal Cooling Capacity (Set Free System) <sup>(1)</sup>	5.3 ~ 10.8
Nominal Heating Capacity (Set Free System) <sup>(1)</sup>	6.9 ~ 12.9
Total Enthalpy Heat exchange	✓
Free Cooling	✓
EC Fans - EuP Lot 11 2nd Tier Compliant	✓
Hi Efficiency Filter (F7 based on EN779)	Option
Automatic Ventilation via CO <sub>2</sub> Sensor input	✓
Operating Range	-20°C ~ 46°C
Remote Controller Type (not included)	Infra Red or Wired

<sup>(1)</sup> The nominal cooling and heating capacity is the combined capacity of outdoor and indoor unit of the system and is based on Standard EN14511.



KPI-X3E



## KPI Active

Active Energy Recovery		KPI 502X3E	KPI 802X3E	KPI 1002X3E
	HP	1.5	2.0	2.5
Nominal Cooling Capacity (Utopia System) <sup>(1)</sup>	kW	-	7.4 (2.9)	9.7 (3.7)
Nominal Heating Capacity (Utopia System) <sup>(1)</sup>	kW	-	9.1 (3.5)	11.4 (4.4)
Nominal Cooling Capacity (Set Free System) <sup>(1)</sup>	kW	5.3 (1.8)	8.0 (2.9)	10.8 (3.7)
Nominal Heating Capacity (Set Free System) <sup>(1)</sup>	kW	6.9 (2.1)	9.8 (3.5)	12.9 (4.4)
Air Flow Rate (H/M/L)	m <sup>3</sup> /h	500 / 430 / 380	800 / 700 / 590	1000 / 820 / 740
External Static Pressure <sup>(2)</sup> (H/M/L)	Pa	150 / 120 / 100	125 / 95 / 70	120 / 85 / 70
Boost External Static Pressure	Pa	235 (500m <sup>3</sup> /h)	125 (800m <sup>3</sup> /h)	125 (1000m <sup>3</sup> /h)
Sound Pressure Level <sup>(3)</sup> (H/M/L)	dB(A)	29 / 27 / 26	31 / 30 / 29	34 / 33 / 31
Exchanger Material		Air to Air cross flow Celluloid material (Total Energy Exchange)		
Temp Efficiency	%	75	75	78
Enthalpy Efficiency Heating	%	65	65	68
Cooling	%	61	62	62
Dimensions (H x W x D)	mm	330x1630x920	385x1710x1015	385x2100x1295
Weight	Kg	62	69	100
Piping diameter (Liquid / Gas)	Inch	1/4 / 1/2	1/4 / 5/8	3/8 / 5/8
	mm	6.35 / 12.70	6.35 - 15.88	9.53 - 15.88
Duct Sizes (dia)	mm	200	250	300
Supplied Air Filter Class (EN779) <sup>(5)</sup>		G3	G3	G3
Nominal Power Input (H/M/L)	W	159 / 99 / 72	272 / 190 / 122	335 / 195 / 150
Specific Fan Power (H/M/L)	W/ (m <sup>3</sup> /s)	1145 / 829 / 682	1224 / 977 / 744	1206 / 856 / 730
Drain Diameter (ext)	mm	φ32	φ32	φ32
Working Range <sup>(4)</sup>		-20°C ~ 46°C		
Power Supply		230V / 1Ph / 50Hz		
Running Current	A	1.2	1.9	2.2
Recommended Fuse Size	A	5	5	5

For details of interlocks with Utopia & Set Free systems contact your local sales office.

<sup>(1)</sup> The nominal cooling and heating capacity is the combined capacity of outdoor and indoor unit of the system and is based on Standard EN14511.

<sup>(2)</sup> Default fan pressure setting.

<sup>(3)</sup> Sound pressure level has been measured in an anechoic chamber, with the measuring point 1.5m below the centre of the unit, with no ceiling under the unit and using a sound insulated duct. Reflected sound must be considered when installing the unit in the field.

<sup>(4)</sup> The installation of an electric heater is necessary when temperature becomes lower than -5°C(DB).

<sup>(5)</sup> Hi Efficiency filter class F7 (EN779) is available as accessory.