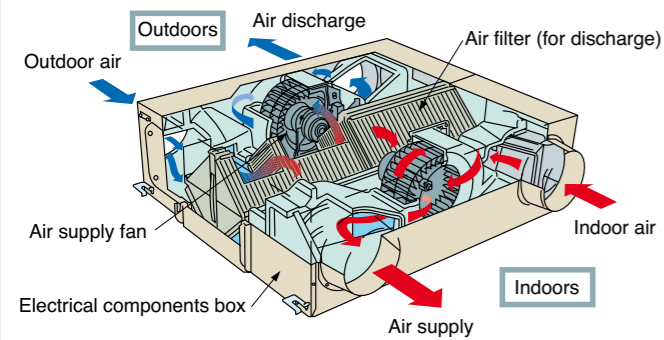


Utopia – KPI Technical Description

Structure



Fixed Type Heat Exchanging Element

- The newly developed fixed type heat exchanging element with high temperature exchange efficiency equivalent to the rotor type element, has been adopted for the new total heat exchangers (Temp Exchange Efficiency: 77% <in case of 500m³/h type unit>). In addition, reliability is increased due to reduction of moving parts.
- Low weight with simple unit structure: 33kg (in case of 500m³/h type unit).

Provides a comfortable environment by control interlocking with air conditioning units.

Controllable using the remote control switch for the air conditioning unit.

Can be controlled in various ways using the remote control switch for the air conditioning unit (PC-P2HTE).

Functions

- Simultaneous RUN/STOP switch both for air conditioning units and heat exchanging unit
- Individual operation of heat exchanging unit
- Fan speed control (high/medium/low)
- Ventilation mode selection (automatic/heat exchange/bypass)^{*1}
- Pre-cool/pre-heat control (interlocking start with delay in 30 or 60 minutes)^{*1}
- 7 day Time clock with PC-P2HTE
- Increased air supply operation
- Specific alarm display

^{*1} Required option to be selected at remote control switch.

Automatic selection of most suitable ventilation mode

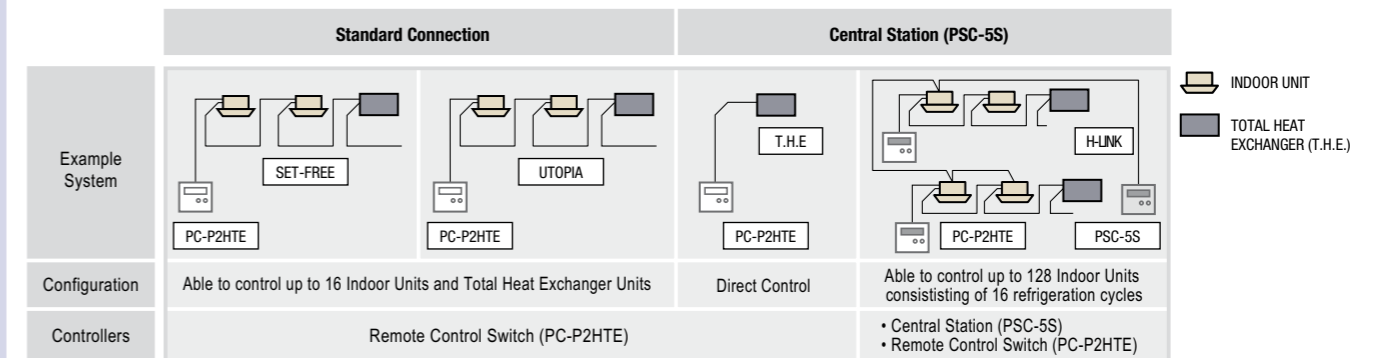
Depending on temperature conditions both outdoors and indoors, the most suitable ventilation mode is automatically selected, designed for energy efficiency.

Other Characteristics

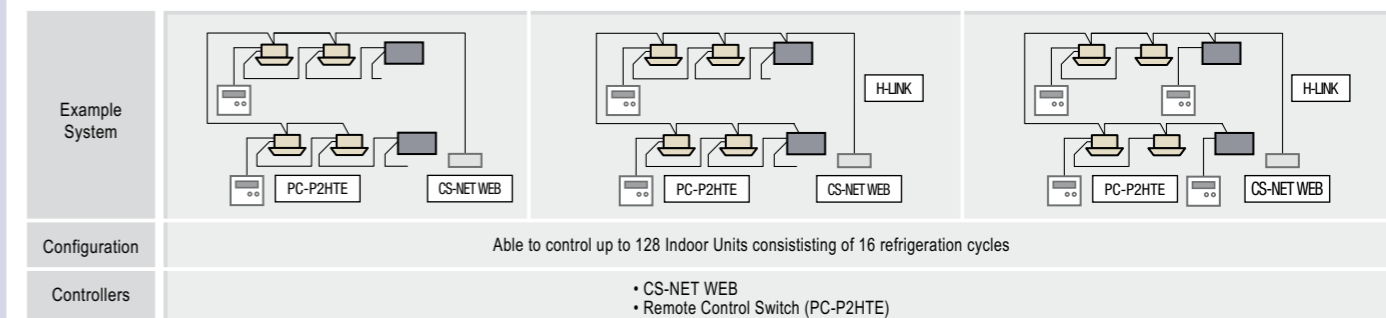
- Quiet operation with low noise level of 32.5-33.5 dB (A) (at Hi Tap of KPI 5021 Type) has been realised by improving the flow path configuration.
- Operation not only with SET-FREE Series Indoor Unit, but also with UTOPIA Series Indoor Unit.
- Connectable to H-LINK System with Central Station or with CS-NET in Operation with Indoor Unit.
- Flexible Duct Installation: The connecting direction of duct at outdoor side (OA,EA) can be changed according to the condition of the installation site (2 directions).
- Reduced packing material for environment protection. The wood for the packing use has been reduced for environment protection.
- Can also be installed upside down.



General Data



Hitachi Computer Control Network System CS-NET WEB



General Data

Model	KPI-2521	KPI-5021	KPI-8021	KPI-10021	
Power Supply	AC 1Ø, 230V, 50 Hz				
Air Flow Rate (m ³ /min)	Hi Me Lo	4.1 4.1 2.75	8.3 8.3 5.8	13.3 13.3 11.1	16.6 16.6 14.5
External Pressure (mmAq)	Hi Me Lo	6.5 4 2	15 6 3	14 10 7	16 10 8
Temperature Exchange Efficiency (%)	Hi Me Lo	78 78 83	77 77 82	78 78 80.5	79 79 81
Enthalpy Exchange Efficiency for Heating/Cooling (%)	Hi Me Lo	69/62.5 69/62.5 74/68	67/61.5 67/61.5 73/68	71/64.5 71/64.5 73/68	70/64.5 70/64.5 73/67
Sound Pressure Level (Overall A Scale) at 1.5m from the unit (under) ^{*3}	Hi Me Lo	26.5-27.5 25-26 21-22	32.5-33.5 30-31 23.5-24.5	33.5-34.5 32-33 30-31	36-37 34-35 31.5-32.5
Outer Dimensions					
Height	275	317	398	398	
Width	735	1016	1004	1231	
Depth	780	888	1164	1164	
Net Weight	Kg	21	33	61	72
Approx Packing Measurement	m ³	0.26	0.46	0.70	0.84

NOTES:

^{*1} KPI-10021 has different units according to the applied power supply, 220-240v, 50Hz and 200V/60Hz

^{*2} Use it under the following conditions. KPI-8021: 29Pa or more, KPI-10021: 49Pa or more

^{*3} The sound pressure level is based on the following conditions; 1.5 meter beneath the unit and this data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

^{*4} The sound pressure is based on the total heat exchange mode. In case of the bypass ventilation mode, the sound pressure level increased by approximately 1dB(A).

Total heat exchanger