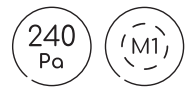


Ventilation units

With energy recovery



KPI



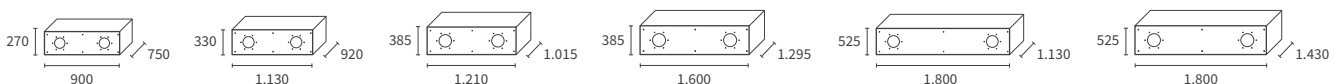
Functions and features

- Suitable for a wide variety of buildings applications.
- Option to connect a CO₂ sensor (not supplied) and automatically regulate air quality based on a pre-set maximum CO₂ concentration.
- High-efficiency F7 filters are available (optional).
- The Hitachi heat recovery ventilation system adjusts the temperature and humidity of incoming fresh air to match the indoor environment.
- Automatic ventilation mode where the KPI controls which mode to operate within to ensure maximum energy efficiency.
- Forced bypass mode where 100% fresh air is supplied for free cooling
- KPI units can alter a room's pressurisation level if required to either help keep air in or extract air depending on the requirement.

Advantages

- Temperature exchange efficiency up to 83%.
- Low-consumption electronic fan motors.
- Sound pressure from 25 dB(A).
- All insulation with these KPIs is M1-certified (NF-P92-501).
- Up to 240 Pa available static pressure.

KPI



KPI-252E4E

KPI-502E4E

KPI-802E4E

KPI-1002E4E

KPI-1502E4E

KPI-2002E4E

KPI

| Celluloid paper heat exchanger | Unit | KPI-252E4E | KPI-502E4E | KPI-802E4E | KPI-1002E4E | KPI-1502E4E | KPI-2002E4E |
|---------------------------------------|-------------------|-----------------|------------------|-------------------|-------------------|-------------------|--------------------|
| Nominal air flow | m ³ /h | 250 | 500 | 800 | 1000 | 1500 | 2000 |
| Exchange efficiency (H / M / L) | % | 74 / 77 / 79 | 74 / 77 / 78 | 75 / 76 / 78 | 78 / 81 / 83 | 73 / 76 / 80 | 76 / 78 / 80 |
| Airflow 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 |
| Sound pressure level (H / M / L) | dB(A) | 28 / 27 / 25 | 33 / 31 / 30 | 35 / 34 / 33 | 37 / 34 / 32 | 39 / 37 / 35 | 40 / 39 / 36 |
| Available static pressure (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 (nominal) | Pa | 240 | 210 | 120 | 190 | 200 | 170 |
| Dimensions (H x W x D) | mm | 270 x 900 x 750 | 330 x 1130 x 920 | 385 x 1210 x 1015 | 385 x 1600 x 1295 | 525 x 1800 x 1130 | 525 x 1800 x 1430 |
| Weight | kg | 34 | 46 | 51 | 79 | 97 | 106 |
| Power supply | - | 1~230V 50Hz | | | | | |
| Recommended fuse size | A | 5 | | | 10 | | |

Controls and compatible accessories (see the tab VRF TWIN controls)



Wired remote control
weekly timer
PC-ARFP1E



Noise attenuator
SLT-30-200-L600:
Compatible with KPI-502E4E
SLT-30-250-L600:
Compatible with KPI-802E4E
SLT-30-300-L600:
Compatible with KPI-1002E4E
SLT-30-355-L600:
compatible with KPI-1502-2002E4E



High-efficiency filter
HEF-252:
Compatible with KPI-252E4E
HEF-502:
Compatible with KPI-502E4E
HEF-802:
Compatible with KPI-802E4E
HEF-1002:
Compatible with KPI-1002E4E
HEF-1502:
Compatible with KPI-1502E4E
HEF-2002:
Compatible with KPI-2002E4E