

Hitachi Air Conditioning

Engineered for tomorrow.

**SYSTEM
FREE**

Ducted In the Ceiling RPI FSN3(4)E

This unobtrusive range of units from Hitachi can be discreetly positioned in ceilings. They are ideal for shops, offices or for large spaces requiring extensive ductwork.



Features and Benefits

SYSTEM FREE **Static pressure settings**

The unit has three static pressure settings and can be adapted to suit the installation requirements. The high static pressure setting can be used for longer duct installations and the low static pressure setting for those installations with short duct lengths

SYSTEM FREE **Static pressure adjustment via remote controller**

SYSTEM FREE **Built-In Drain Pump**

The units are equipped with an automatic internal drain pump, which removes the accumulated condensation from the drain pan. An electronic sensor monitors the water level activating the pump only when necessary*

SYSTEM FREE **Intake Filter as standard**

RPI unit is equipped with an intake filter as standard. The standard filter is removable for cleaning even if return air ductwork is connected to the unit

SYSTEM FREE **Air Intake direction**

Air intake direction can be horizontal or vertical by interchanging the bottom panel with the fan cover.

* excludes RPI-FSN3E models

Optional Control Systems

SYSTEM FREE **PC-ART**

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



PC-ART

SYSTEM FREE **PSC-A64GT**

Touch Screen Central Controller (64 Groups, 160 Units)



PSC-A64GT

SYSTEM FREE **PC-ARF**

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



PC-ARF

SYSTEM FREE **CS Net Web**

Web based controller



CS Net Web

SYSTEM FREE **PC-ARH**

Simple wired remote controller



PC-ARH

SYSTEM FREE **Touch screen**

For CS Net Web



TS002
touchscreen

All Hitachi System Free indoor units are compatible with Hitachi's full range of commercial outdoor units.



RPI-FSN4E



RPI-FSN3E

**SYSTEM
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Ducted In the Ceiling (standard)

| Indoor Unit | | RPI 2.0FSN4E | RPI 2.5FSN4E | RPI 3.0FSN4E | RPI 4.0FSN4E | RPI 5.0FSN4E | RPI 6.0FSN4E |
|---|-------------------|---|---------------|----------------|----------------|----------------|----------------|
| Nominal Cooling Capacity (Utopia System) ⁽¹⁾ | kW | 5.0 | 5.6 | 7.1 | 10.0 | 12.5 | 14.0 |
| Nominal Heating Capacity (Utopia System) ⁽²⁾ | kW | 5.6 | 6.3 | 8.0 | 11.2 | 14.0 | 16.0 |
| UK Cooling Capacity Total/Sensible (Utopia) | kW | 5.3 / 4.0 | 5.9 / 4.5 | 7.7 / 5.8 | 10.6 / 7.7 | 13.2 / 9.5 | 15.7 / 11.3 |
| Nominal Cooling Capacity (Set Free System) ⁽¹⁾ | kW | 5.6 | 7.1 | 8.0 | 11.2 | 14.0 | 16.0 |
| Nominal Heating Capacity (Set Free System) ⁽²⁾ | kW | 6.3 | 8.5 | 9.0 | 12.5 | 16.0 | 18.0 |
| UK Cooling Capacity Total/Sensible (Set Free) | kW | 5.2 / 4.2 | 6.4 / 4.9 | 7.5 / 5.6 | 10.5 / 7.7 | 12.7 / 9.1 | 14.8 / 10.7 |
| Noise Level (sound pressure) (L / M / H) ⁽³⁾ (SP-00) | dB(A) | 27/29/29 | 28/30/30 | 29/31/31 | 25/28/30 | 28/32/35 | 29/33/36 |
| Noise level (sound power) (SP-00) | dB(A) | 55 | 56 | 57 | 62 | 65 | 66 |
| Air flow cooling mode (L / M / H) ⁽³⁾ (SP-00) | m ³ /h | 780/900/960 | 900/1020/1140 | 1020/1200/1320 | 1500/1680/1800 | 1680/1920/2100 | 1740/1980/2160 |
| Static Pressure Nom. (min ~ max) | Pa | 30 (0 - 120) | 30 (0 - 140) | 30 (0 - 150) | 45 (0 - 110) | 50 (0 - 140) | 50 (0 - 150) |
| Dimensions (H x W x D) | mm | 275x1084x600 | 275x1084x600 | 275x1084x600 | 275x1474x600 | 275x1474x600 | 275x1474x600 |
| Weight | Kg | 35 | 36 | 36 | 48 | 48 | 48 |
| Included Condensate Pump | | yes | yes | yes | yes | yes | yes |
| Condensate Pump Lift | mm | 850 mm from the bottom edge of the unit | | | | | |
| Drain Diameter (ext) | | φ32mm | φ32mm | φ32mm | φ32mm | φ32mm | φ32mm |
| Piping Diameter (Liquid / Gas) | Inch | 1/4 / 5/8 | 3/8 / 5/8 | 3/8 / 5/8 | 3/8 / 5/8 | 3/8 / 5/8 | 3/8 / 5/8 |
| | mm | 6.35 / 15.88 | 9.53 / 15.88 | 9.53 / 15.88 | 9.53 / 15.88 | 9.53 / 15.88 | 9.53 / 15.88 |
| Power Input | W | 40 | 80 | 110 | 160 | 200 | 220 |
| Power supply | | 230V / 1Ph / 50Hz | | | | | |
| Recommended fuse size | A | 5 | 5 | 5 | 5 | 5 | 5 |

⁽¹⁾ Cooling: Internal ambient 27°C (19°C WB) - Ambient 35°C; Refrigerant piping length 7.5m, level difference 0m.

⁽²⁾ Heating: Internal ambient 20°C - Ambient 7°C (6°C WB); Refrigerant piping length 7.5m, level difference 0m.

⁽³⁾ SP: Static Pressure settings via optional functions in the remote controller (SP-00 = Std; SP-01 High static pressure; SP-02 low static pressure)

☉ Unit Capacity Dipswitch available

Ducted In the Ceiling (large capacity)

| Indoor Unit | | RPI 8.0FSN3E | RPI 10.0FSN3E |
|---|-------------------|-------------------|-------------------|
| Nominal Cooling Capacity (Utopia System) ⁽¹⁾ | kW | 20.0 | 25.0 |
| Nominal Heating Capacity (Utopia System) ⁽²⁾ | kW | 22.4 | 28.0 |
| UK Cooling Capacity Total/Sensible (Utopia) | kW | 21.1 / 16.2 | 26.1 / 20.6 |
| Nominal Cooling Capacity (Set Free System) ⁽¹⁾ | kW | 22.4 | 28.0 |
| Nominal Heating Capacity (Set Free System) ⁽²⁾ | kW | 25.0 | 31.0 |
| UK Cooling Capacity Total/Sensible (Set Free) | kW | 18.4 / 14.2 | 22.9 / 18.1 |
| Noise Level (sound pressure) (L / M / H) | dB(A) | 51/54/54 | 25/55/55 |
| Noise level (sound power) | dB(A) | 77 | 78 |
| Air flow cooling mode (L / M / H) (SP-High) | m ³ /h | 3600/3960/3960 | 4110/4500/4500 |
| Air flow cooling mode (L / M / H) (SP-Low) | m ³ /h | 3570/3960/3960 | 4056/4500/4500 |
| Static Pressure (SP-High) | Pa | 180/220/220 | 180/220/220 |
| Static Pressure (SP-Low) | Pa | 140/180/180 | 140/180/180 |
| Dimensions (H x W x D) | mm | 432x 1592x600 | 432x 1592x600 |
| Weight | Kg | 85 | 87 |
| Included Condensate Pump | | no | no |
| Condensate Pump Lift | mm | - | - |
| Drain Diameter (ext) | | φ25mm | φ25mm |
| Piping Diameter (Liquid / Gas) | Inch | 3/8 / 3/4 | 3/8 / 7/8 |
| | mm | 9.53 / 19.05 | 9.53 / 22.2 |
| Power Input | W | 970 | 1060 |
| Power supply | | 230V / 1Ph / 50Hz | 230V / 1Ph / 50Hz |
| Recommended fuse size | A | 10 | 10 |

⁽¹⁾ Cooling: Internal ambient 27°C (19°C WB) - Ambient 35°C; Refrigerant piping length 7.5m, level difference 0m.

⁽²⁾ Heating: Internal ambient 20°C - Ambient 7°C (6°C WB); Refrigerant piping length 7.5m, level difference 0m.