

# 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

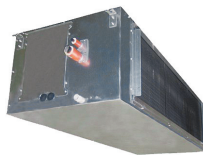


TS002  
touchscreen

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



RPI-FSN4E



RPI-FSN3E

**SYSTEM  
FREE**

## 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) <sup>(1)</sup>	kW	5.0	5.6	7.1	10.0	12.5	14.0
Nominal Heating Capacity (Utopia System) <sup>(2)</sup>	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) <sup>(1)</sup>	kW	5.6	7.1	8.0	11.2	14.0	16.0
Nominal Heating Capacity (Set Free System) <sup>(2)</sup>	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) <sup>(3)</sup> (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) <sup>(3)</sup> (SP-00)	m <sup>3</sup> /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

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

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

<sup>(3)</sup> 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) <sup>(1)</sup>	kW	20.0	25.0
Nominal Heating Capacity (Utopia System) <sup>(2)</sup>	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) <sup>(1)</sup>	kW	22.4	28.0
Nominal Heating Capacity (Set Free System) <sup>(2)</sup>	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 <sup>3</sup> /h	3600/3960/3960	4110/4500/4500
Air flow cooling mode (L / M / H) (SP-Low)	m <sup>3</sup> /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	
Recommended fuse size	A	10	10

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

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