

Hitachi's range of air conditioning systems has developed significantly in recent years. This development investment ensures that we are continuously producing sophisticated energy-saving air conditioning systems that help to reduce CO<sub>2</sub> emissions and protect the environment.

Today our Air Conditioning systems provide complete flexibility with regards to product selection and installation, as all the indoor units are now common and can be connected to any of the outdoor units from the Set Free and Utopia ranges. Saving you time! Making it simple!

All our Air Conditioning systems offer the advantage of a well proven combination of Hitachi's advanced high pressure Scroll Compression Technology allied to the DC Inverter ensuring highly reliable, high energy saving and highly efficient air conditioning.

#### Floor mounted indoor units – RPF

- Space saving slim unit only 220mm in depth
- With a height of 630mm, may be installed by a window
- A unique patented Hitachi fan blade results in extremely quiet operation
- A lightweight unit for easy installation
- Improved performance using the DC Compressor
- Compatible with Hitachi CS-Net
- Models available from 1.0 to 2.5 HP
- 24hr remote controller comes as standard

#### Floor concealed indoor units – RPF1

- Compact design for the smallest space inside of perimeter wall
- Special emphasis placed on interior design compatibility allowing it to fit perfectly into the space below a bay window
- Install the remote control switch under the plastic cover
- Models available from 1.0 to 2.5HP
- 24hr remote controller comes as standard

## Floor mounted/concealed



# RPF-RPFI Technical Description

## General Data

Model		RPF-1.0FSNE	RPF-1.5FSNE	RPF-2.0FSNE	RPF-2.5FSNE	RPFI-1.0FSNE	RPFI-1.5FSNE	RPFI-2.0FSNE	RPFI-2.5FSNE
<b>Power Supply</b>		AC10, 230v, 50Hz				AC10, 230v, 50Hz			
<b>Nominal Cooling Capacity</b>	W	2,800	4,500	5,600	7,100	2,800	4,500	5,600	7,100
<b>Nominal Heating Capacity</b>	W	3,200	5,000	6,300	8,500	3,200	5,000	6,300	8,500
<b>Air Flow Rate</b> (Hi/Me/Lo)	m <sup>3</sup> /min	8.5/7/6	12/10/9	16/14/11	16/14/11	8.5/7/6	12/10/9	16/14/11	16/14/11
<b>Fan Motor</b>	W	20	28	45	45	20	28	45	45
<b>Sound Pressure Level</b>									
<b>(Overall A Scale)</b>	dB(A)	35/32/29	38/35/31	39/36/32	42/38/34	35/32/29	38/35/31	39/36/32	42/38/24
<b>Outer Dimensions</b>									
Height	mm	630	630	630	630	620	620	620	620
Width	mm	1045	1170	1420	1420	863	988	1238	1238
Depth	mm	220	220	220	220	220	220	220	220
<b>Net Weight</b>	kg	19	23	33	34	19	23	27	28
<b>Colour</b> (Munsell Code)		Spring White (4.1Y 8.5/0.7)				Spring White (4.1Y 8.5/0.7)			
<b>Refrigerant</b>		R410A (Nitrogen Charged in Factory for Corrosion-Resistance)				R410A (Nitrogen Charged in Factory for Corrosion-Resistance)			
<b>Connections</b>									
Refrigerant Piping		Flare-nut Connection (with flare nut)				Flare-nut Connection (with flare nut)			
Liquid Line	mm(in.)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.53 (3/8)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 9.53 (3/8)
Gas Line	mm(in.)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)	Ø 15.88 (5/8)	Ø 15.88 (5/8)
Condensate Drain	mm	Ø 18.5 OD	Ø 18.5 OD	Ø 18.5 OD	Ø 18.5 OD	Ø 18.5 OD	Ø 18.5 OD	Ø 18.5 OD	Ø 18.5 OD
<b>Packing Measurements</b>	m <sup>3</sup>	0.22	0.24	0.29	0.29	0.22	0.23	0.25	0.25

### NOTES:

1. The nominal cooling and heating capacity is the combined capacity of the HITACHI standard split system, and are based on the JISB 8616.

#### Cooling Operation Conditions

Indoor Air Inlet Temperature: 27.0 °C DB  
19.0 °C WB

Outdoor Air Inlet Temperature: 35.0 °C DB

#### Heating Operation Conditions

Indoor Air Inlet Temperature: 20.0 °C DB

Outdoor Air Inlet Temperature: 7.0 °C DB  
6.0 °C WB

#### Piping Length: 7.5 meters

DB: Dry Bulb; WB: Wet Bulb

2. The Sound Pressure Level is based on the following conditions:

– 1.0 metres from the unit, 1.0 meters from the floor level.

– Voltage of the power source for the indoor fan motor is 230V.

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration when installing the unit.

### Remote Control Switch

Features a wide range of functions, including a large liquid crystal display screen, self-diagnostic capabilities, and a timer which can be set in 0.5 hour intervals. A convenient remote control which is supplied as standard with all units.



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