



Hitachi's R410A All DC Inverter Ranges elevate air conditioning to a new level, incorporating significant advances in electronics technology.

With cooling and heating capacities from 2.5kW to 5.0kW, the all DC Inverter PAM driven mono split SUMMIT Framed Flat range incorporates the R410A refrigerant, Hitachi DC Scroll, or DC Twin Rotary compressor all working together for high performance and ultimate efficiency.

# Summit - FH5

- **New Flat Framed design**
- **DC inverter PAM control**
- **Highest COP up to 4.31 (AA) in cooling/ 4.30 (AA) in heating**
- **Low noise down to 20dBA on sleep mode**
- **Heating available even at -15°C ambient temperature**
- **Auto restart and Auto changeover**
- **Washable carbon and anti-bacteria air purifying filter**
- **24hr remote control timer**
- **R410A refrigerant**



# Summit – FH5 - Technical Description

## General Data

Model	Indoor Outdoor	RAS-25FH5 RAC-25YH5	RAS-35FH5 RAC-35YH5	RAS-50FH5 RAC-50YH5
<b>Power Supply</b>		AC 1Ph 220-230V 50Hz		
<b>Nominal Cooling Capacity (min-max)</b>	kW	2.5(0.9-3.1)	3.5(0.9-4.0)	5.0(0.9-5.2)
<b>Nominal Heating Capacity (min-max)</b>	kW	3.4(0.9-4.4)	4.2(0.9-5.0)	6.5(0.9-8.1)
<b>Total Input</b>				
Cooling	W	580(155-1080)	980(155-1300)	1780(155-2200)
Heating	W	790(115-1120)	1010(115-1300)	1970(115-2100)
<b>Total Current</b>				
Cooling	A	3.11 - 2.97	4.69-4.49	8.14-7.50
Heating	A	3.99 - 3.82	4.84 - 4.63	9.00-8.30
<b>EER/COP</b>				
Cooling		4.31	3.57	2.81
Heating		4.30	4.16	3.30
<b>Sound Pressure Level (Overall scale)</b>				
Cooling	dB(A)	38/32/26/20	41/35/29/25	47/39/28/24
Heating	dB(A)	39/33/27/23	41/35/30/26	47/39/31/27
<b>Condenser Sound Pressure Level</b>				
Cooling	dB(A)	45	46	50
Heating	dB(A)	46	47	52
<b>Indoor Outer Dimensions (Net/Carton)</b>				
Height	mm	280(279)	280(279)	280(279)
Width	mm	780(828)	780(828)	780(828)
Depth	mm	220(341)	220(341)	220(341)
Weight	kg	9.5(13)	9.5(13)	9.5(13)
<b>Condenser Outer Dimensions (Net/Carton)</b>				
Height	mm	548(591)	548(591)	650(698)
Width	mm	750(871)	750(871)	850(1008)
Depth	mm	288(377)	288(377)	298(394)
Weight	kg	35(38)	35(38)	45(50)
<b>Cabinet Colour (Munsell Code)</b>		Beige (5Y 7.2)	Beige (5Y 7.2)	Beige (5Y 7.2)
<b>Refrigerant</b>		R410A		
<b>Flow Control</b>		Expansion Valve		
<b>Compressor</b>				
Type		DC Scroll	DC Scroll	DC Twin Rotary
Quantity	set	1	1	1
<b>Indoor Fan</b>				
Type		DC 35V	DC 35V	DC 35V
Air Flow Rate Cooling	m³/min	8.5/7.0/6.0	10.1/8.0/6.5	13.5/10.0/6.8
Air Flow Rate Heating	m³/min	9.5/8.0/7.0	10.8/8.5/7.5	13.5/10.0/6.8
<b>Condenser Fan</b>				
Type		DC350V	DC350V	DC 350V
Air Flow Rate Cooling /Heating	m³/min	31/27	32/27	36/36
<b>Refrigerant Piping</b>		Flair Nut/Flange Connection		
Liquid Line	mm(in.)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Gas Line	mm(in.)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
<b>Pipe Run</b>				
Max Pipe Length	m	20	20	20
(Chargeless)	m	20	20	20
Max Pipe Lift	m	10	10	10
<b>Interconnection Wires</b>	pcs	3	3	3
<b>Starting Current</b>	A	3.7	4.5	10.0
<b>Recommended Fuse Size</b>	A	16	16	16
<b>Auto Restart by Previous Mode</b>		Yes	Yes	Yes
<b>Auto Changeover</b>		Yes	Yes	Yes
<b>LED Self Diagnosis</b>		Yes	Yes	Yes
<b>Air Purifying Filter Type</b>		SPX-CFH11	SPX-CFH11	SPX-CFH11
<b>Remote Control Timer</b>	Hr	24	24	24

### NOTES:

#### Cooling Operation Conditions

Indoor Air Inlet Temperature: 27 °C DB/19 °C WB  
Outdoor Air Inlet Temperature: 35 °C DB

#### Heating Operation Conditions

Indoor Air Inlet Temperature: 20 °C DB  
Outdoor Air Inlet Temperature: 7 °C DB/6 °C WB

#### Sound Pressure Level Measurement Distance:

1m from discharge grille. 0.8m beneath the unit's height centre  
1m from suction/discharge grille. Approx. 1m from floor level

**Piping Length:** 7.5 meters/**Piping Lift:** 0 meters

email: [aircon.enquiries@hitachi-eu.com](mailto:aircon.enquiries@hitachi-eu.com)  
[www.hitachiaircon.com](http://www.hitachiaircon.com)

Hitachi Europe Ltd, Whitebrook Park, Lower Cookham Road,  
Maidenhead SL6 8YA