

Hitachi Air Conditioning

Engineered for tomorrow.



Room Air Conditioners

Standard Floor Mounted RAF-RPA

The Hitachi range of DC Inverter Floor Mounted Split System air conditioners, have been developed to provide exceptional comfort, easy operation, substantial power savings and full automatic control for homes, apartments, shops, offices and small buildings.



Features and Benefits

- ✔ Capacities from 2.5kW to 6.0kW
- ✔ Compatible with H-LINK control and CS Net Web
- ✔ Compact and stylish design
- ✔ Low noise levels courtesy of Super Low fan speed
- ✔ Nano Titanium air purifying filter
- ✔ High seasonal efficiency
- ✔ Stainless steel pre-filter as standard.

High air quality

Cutting edge Hitachi nano-titanium filters are fitted as standard which help to eliminate odours and remove dust particles from the air. Titanium oxide has been used as a photocatalyst for many years but Hitachi has now enhanced it by reducing its size to a nanometer – over 1,000 times smaller than ordinary bacterial agents. This ultrafine catalyst can, therefore, catch smaller microbes or bacteria which may escape from other filters leading to higher air quality circulating around the room.



ErP-compliant products

The Eco-Design of Energy-related products (ErP) Directive provides consistent EU-wide rules for improving the environmental performance of energy-related products (ErP) – ensuring reduced energy consumption to benefit both businesses and consumers.

Hitachi has always engineered the most environmentally-friendly heating and cooling products from its factories, and is delighted that its new product ranges exceed the 2014 ErP Lot 10 standards.

Remote Controllers

NEW

- ✔ **RAR-5E2**
24-hour, 7-day infra red Remote Controller



RAR-5E2

- ✔ ECO operation energy saving function
- ✔ Leave Home Function - set temperature at 10°C automatically when no one is at home for up to 99 days
- ✔ Weekly Timer – 6 patterns
- ✔ Heating/Cooling Only operation – 2 ways of setting
- ✔ Room temperature display.

- ✔ **SPX-RCDB**
Wired Remote Controller



SPX-RCDB



RAF-RPA



Room Air
Conditioners

Standard floor mounted

Indoor Unit		RAF-25RPA	RAF-35RPA	RAF-50RPA
Nominal Cooling Capacity (min - max)	kW	2.5 (0.9 - 3.1)	3.5 (1.1 - 4.2)	5.0 (1.9 - 5.2)
Cooling Sensible Capacity	kW	2.3	2.9	3.8
UK Cooling Capacity (sensible)	kW	2.1 (1.9)	2.9 (2.5)	4.2 (3.2)
Nominal Heating Capacity (min - max)	kW	3.4 (0.9 - 4.4)	4.2 (1.1 - 5.2)	6.0 (2.2 - 7.3)
Heating Capacity at -7°C ⁽¹⁾	kW	2.2	2.7	3.9
Nominal Cooling Power Input (min - max)	kW	0.67 (0.25 - 1.29)	0.94 (0.25 - 1.40)	1.51 (0.50 - 2.10)
Nominal Heating Power Input (min - max)	kW	0.85 (0.25 - 1.25)	1.05 (0.25 - 1.80)	1.66 (0.50 - 2.70)
Seasonal Efficiency SEER ⁽³⁾		5.80	6.00	5.86
Energy Efficiency Class		A+	A+	A+
Annual Energy Consumption	kWh/yr	151	202	299
Seasonal Efficiency SCOP ⁽³⁾ (Average Climate)		4.30	4.30	4.00
Energy Efficiency Class		A+	A+	A+
Annual Energy Consumption	kWh/yr	774	989	1,518
Nominal Load Efficiency EER / COP ⁽⁴⁾		3.73 / 4.00	3.72 / 4.00	3.31 / 3.61
Energy Class (Cool/Heat)		A / A	A / A	A / A
Noise Level Cooling (sound pressure) (SL / L / M / H)	dB(A)	23 / 26 / 32 / 40	25 / 29 / 35 / 42	25 / 30 / 37 / 46
Noise Level Heating (sound pressure) (SL / L / M / H)	dB(A)	23 / 27 / 33 / 40	26 / 30 / 35 / 42	25 / 30 / 37 / 47
Noise level (sound power) ⁽²⁾	dB(A)	54	56	60
Air flow cooling mode (SL / L / M / H)	m ³ /h	378 / 462 / 540	400 / 485 / 600	430 / 530 / 650
Air flow heating mode (SL / L / M / H)	m ³ /h	408 / 498 / 600	440 / 525 / 600	470 / 570 / 720
Dehumidification	l/h	1.4	1.6	2.0
Dimensions (H x W x D)	mm	600 x 760 x 235	600 x 760 x 235	600 x 760 x 235
Weight	Kg	14.0	14.0	14.0
Included drain pump		no	no	no
Power Supply		35V DC from outdoor unit	35V DC from outdoor unit	35V DC from outdoor unit
Drain Diameter (ext)		φ16mm	φ16mm	φ16mm
Remote Controller (standard)		infra red RAR-5E2	infra red RAR-5E2	infra red RAR-5E2

Outdoor Unit		RAC-25FPA	RAC-35FPA	RAC-50FPA
Noise Level Cooling (sound pressure) (night mode)	dB(A)	47	48	51
Noise Level Heating (sound pressure) (night mode)	dB(A)	49	49	52
Noise level (sound power) ⁽²⁾	dB(A)	61	62	65
Air flow (Cooling / Heating)	m ³ /h	1860/1620	1920/1620	2160/2160
Dimensions (H x W x D)	mm	548 x 750 x 288	548 x 750 x 288	600 x 792 x 299
Weight	Kg	31.0	35.0	40.0
Piping Diameter (Liquid / Gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 / 1/2
	mm	6.35 - 9.52	6.35 - 9.52	6.35 - 12.70
Minimum Piping Length	m	5	5	5
Maximum Piping Length / Height Difference	m	20 / 10	20 / 10	20 / 10
Current Quantity of Refrigerant	Kg	0.87	1.05	1.25
Chargeless / Additional Refrigerant Charge	m/g/m	20 / -	20 / -	20 / -
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	16	16	16
Starting Current	A	5.0	5.0	9.0
Running Current (Cooling / Heating)	A	3.43 / 4.11	4.30 / 4.81	6.63 / 7.29
Interconnecting Cables	No.	2 + E	2 + E	2 + E
Working Range (Cooling / Heating)	°C	-10°C~43°C / -15°C~21°C	-10°C~43°C / -15°C~21°C	-10°C~43°C / -15°C~21°C
Refrigerant / GWP		R410A / 1975	R410A / 1975	R410A / 1975
Compressor type		Rotary	Rotary	Rotary

⁽¹⁾ Value includes the defrost ratio.

⁽²⁾ Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the "cooling" mode operation in accordance to EN12102

⁽³⁾ Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

⁽⁴⁾ Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)