

Hitachi Air Conditioning

Engineered for tomorrow.



Monozone 600x600 cassette RAI RPA

Hitachi's Monozone cassettes are designed for small rooms where wall space is limited. The compact 600 x 600 cassette fits perfectly into a standard ceiling module allowing for a quick and easy installation.



Features and Benefits

- ❑ Cooling & Heating capacities from 2.5kW to 6.2kW
- ❑ Mini 600 x 600 cassette design fits standard ceiling module, minimising installation work
- ❑ All Hitachi's RAC units offer high seasonal efficiencies, with models in the Monozone range achieving up to SEER A+ 5.8/SCOP A 3.8
- ❑ Built-in condensate drain pump
- ❑ Flexible 2-Way, 3-Way or 4-Way air outlets with auto-oscillation
- ❑ Ideal for small rooms such as offices and restaurants
- ❑ **NEW** 24-hour, 7-day infra red remote controller with 'view energy usage' option as standard
- ❑ Connects to Hitachi's H-LINK II system via PSC-6RAD adapter providing compatibility with CS Net web
- ❑ 35vdc power supply to the indoor unit.

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

- ❑ **SPX-RCDB**
Wired Remote Controller



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 already exceed the 2014 ErP Lot 10 standards.



RAI-RPA



Mini 600x600 Cassette

Indoor Unit		RAI-25RPA	RAI-35RPA	RAI-50RPA
Nominal Cooling Capacity (min - max)	kW	2.5 (0.9 - 3.0)	3.5 (0.9 - 4.0)	5.0 (0.9 - 5.2)
Cooling Sensible Capacity	kW	2.0	2.9	3.8
UK Cooling Capacity (sensible)	kW	2.3 (1.8)	3.2 (2.0)	4.1 (3.0)
Nominal Heating Capacity (min - max)	kW	3.5 (0.9 - 5.0)	4.8 (0.9 - 6.6)	6.2 (0.9 - 7.6)
Heating Capacity at -7°C ⁽¹⁾	kW	2.4	3.2	3.7
Nominal Cooling Power Input (min - max)	kW	0.69 (0.15 - 1.05)	1.10 (0.15 - 1.28)	1.99 (0.15 - 2.20)
Nominal Heating Power Input (min - max)	kW	0.94 (0.15 - 1.40)	1.36 (0.11 - 1.92)	2.16 (0.15 - 2.70)
Seasonal Efficiency SEER ⁽³⁾		5.7	5.8	5.2
Energy Efficiency Class		A+	A+	A
Annual Energy Consumption	kWh/yr	150	210	340
Seasonal Efficiency SCOP ⁽³⁾ (Average Climate)		3.8	3.8	3.8
Energy Efficiency Class		A	A	A
Annual Energy Consumption	kWh/yr	1,000	1,310	1,560
Nominal Load Efficiency EER / COP ⁽⁴⁾		3.60 / 3.72	3.18 / 3.53	2.51 / 2.87
Energy Class (Cool/Heat)		A / A	B / B	E / D
Noise Level Cooling (sound pressure) (SL / L / M / H)	dB(A)	25/29/32/35	26/29/34/39	29/32/35/43
Noise Level Heating (sound pressure) (SL / L / M / H)	dB(A)	27/30/33/36	29/32/36/40	30/32/36/43
Noise level (sound power) ⁽²⁾	dB(A)	50	58	58
Air flow cooling mode (SL / L / M / H)	m ³ /h	330/348/420/510	330/348/480/648	330/348/480/720
Air flow heating mode (SL / L / M / H)	m ³ /h	330/348/420/510	330/348/480/648	330/348/480/720
Dehumidification	l/h	1.4	1.8	2.0
Dimensions (H x W x D)	mm	285x580x580	285x580x580	285x580x580
Weight	Kg	20.0	20.0	20.0
Panel dimensions (H x W x D)	mm	32x650x650	32x650x650	32x650x650
Panel weight	Kg	4.0	4.0	4.0
Grille panel		RAI-ECPP	RAI-ECPP	RAI-ECPP
Included drain pump		yes	yes	yes
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-25NPA	RAC-35NPA	RAC-50NPA
Noise level cooling (sound pressure) (night mode)	dB(A)	46	47	50
Noise level heating (sound pressure) (night mode)	dB(A)	46	49	52
Noise level (sound power) ⁽²⁾	dB(A)	65	65	65
Air flow (Cooling / Heating)	m ³ /h	1620 / 1620	1620 / 1620	2160 / 2160
Dimensions (H x W x D)	mm	570x750x280	570x750x280	650x850x298
Weight	Kg	38.0	38.0	45.0
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	1.15	1.15	1.40
Chargeless / Additional Refrigerant Charge	m/g/m	20 / -	20 / -	20 / -
Power supply		AC 220-240V/1ph/50Hz	AC 220-240V/1ph/50Hz	AC 220-240V/1ph/50Hz
Recommended fuse size	A	16	16	16
Starting current	A	4.2	4.2	10.0
Running current (cooling / heating)	A	3.20-2.93 / 4.30-3.96	4.94-4.72 / 6.04-5.77	9.2-8.4 / 10.6-9.7
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		Twin Rotary	Twin Rotary	Twin 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)