

Hitachi Air Conditioning

Engineered for tomorrow.



Monozone Ducted In the Ceiling RAD-RPA

The Monozone Ducted range can be positioned discreetly in the ceiling. The units are ideal for hotel bedrooms, banks and small offices where very low noise levels are needed.



Features and Benefits

- ✓ Capacities from 2.5kW to 6.0kW
- ✓ Compatible with H-LINK control and CS Net Web
- ✓ Compact design
- ✓ Built-in condensate drain pump
- ✓ Washable pre-filter as standard.

Remote Controller

✓ **SPX-RCDA**
Wired Remote Controller



SPX-RCDA

✓ **SPX-RCKA**
Wired Remote Controller



SPX-RCKA



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.



RAD-RPA



Room Air Conditioners

Ducted In the Ceiling

Indoor Unit		RAD-25RPA	RAD-35RPA	RAD-50RPA
Nominal Cooling Capacity (min - max)	kW	2.5 (0.9 - 3.0)	3.5 (0.9 - 4.0)	5.0 (0.9 - 5.6)
Cooling Sensible Capacity	kW	2.0	2.5	3.8
UK Cooling Capacity (sensible)	kW	2.3 (1.8)	3.2 (2.2)	4.1 (3.0)
Nominal Heating Capacity (min - max)	kW	3.5 (0.9 - 5.5)	4.8 (0.9 - 6.6)	6.0 (0.9 - 7.5)
Heating Capacity at -7°C ⁽¹⁾	kW	2.3	3.1	3.6
Nominal Cooling Power Input (min - max)	kW	0.69 (0.15 - 1.05)	1.24 (0.15 - 1.28)	2.00 (0.15 - 2.06)
Nominal Heating Power Input (min - max)	kW	0.97 (0.11 - 1.40)	1.70 (0.11 - 1.92)	2.30 (0.11 - 2.53)
Seasonal Efficiency SEER ⁽³⁾		5.1	5.1	4.7
Energy Efficiency Class		A	A	B
Annual Energy Consumption	kWh/yr	180	240	380
Seasonal Efficiency SCOP ⁽³⁾ (Average Climate)		3.8	3.8	3.8
Energy Efficiency Class		A	A	A
Annual Energy Consumption	kWh/yr	960	1,280	1,560
Nominal Load Efficiency EER / COP ⁽⁴⁾		3.60 / 3.61	2.82 / 2.82	2.50 / 2.61
Energy Class (Cool/Heat)		A / A	C / D	E / E
Noise Level Cooling (sound pressure) (SL / L / M / H)	dB(A)	29/31/34/36	29/31/34/36	29/32/35/38
Noise Level Heating (sound pressure) (SL / L / M / H)	dB(A)	27/30/33/37	27/30/33/37	29/32/35/38
Noise level (sound power) ⁽²⁾	dB(A)	57	57	58
Air flow cooling mode (SL / L / M / H)	m ³ /h	330/390/450/510	330/390/450/510	330/360/450/510
Air flow heating mode (SL / L / M / H)	m ³ /h	360/420/480/600	360/420/480/600	360/420/480/630
Dehumidification	l/h	1.4	2.1	2.8
Dimensions (H x W x D)	mm	235x750x400	235x750x400	235x750x400
Weight	Kg	19.0	19.0	19.0
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 (not included)		Wired or wireless available	Wired or wireless available	Wired or wireless available

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)