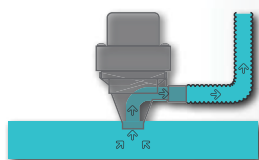


Cassettes

MONOZONE



RAI 25-50RPA



DRAINAGE PUMP INCLUDED

Indoor units

- /// Nominal cooling capacities 2.5kW to 5.0kW
- /// Nominal heating capacities 3.5kW 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
- /// Flexible 2-Way, 3-Way or 4-Way air outlets with auto-oscillation
- /// Heating mode lock - suitable for BREEAM assessed buildings where cooling mode might not be accepted or simply where cooling is not required
- /// Volt Free control of the air conditioning system - can be used to turn the unit on/off remotely after receiving a signal such as key-card, door or window switch, specifically useful in hotel rooms to prevent unnecessary use. Accessory SPX WDC2 is required.



INFRA-RED REMOTE CONTROL*
RAR-5E2



WIRED REMOTE CONTROL**
SPX-WKT3



INFRA-RED WIRED REMOTE CONTROL**
SPX-RCDB

Remote controllers

- /// 24-hour, 7-day Infra-red remote controller
- /// 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.

* Standard
** Optional



RAI 25-50RPA



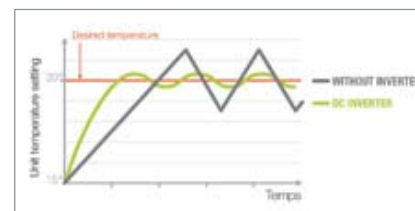
RAC 25-35NPA



RAC 50NPA

DC Inverter Outdoor unit

- /// As the pioneer of DC Inverter driven room air conditioners our units boast the significant advantage of all DC Inverter driven compressors and fans allowing precise control of capacity and temperature.



MINI 4-WAY CASSETTE

Monozone



INDOOR UNITS

		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)
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 ⁽⁴⁾		5.7	5.8	5.2
Energy Efficiency Class		A+	A+	A
Annual Energy Consumption	kWh/yr	150	210	340
Seasonal Efficiency SCOP ⁽⁴⁾ (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 ⁽³⁾		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) ⁽²⁾	dB(A)	25/29/32/35	26/29/34/39	29/32/35/43
Noise Level Heating (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	27/30/33/36	29/32/36/40	30/32/36/43
Noise level (sound power) ⁽¹⁾	dB(A)	50	58	58
Air flow cooling mode (SL / L / M / H)	m³/h	330/360/420/480	390/420/510/570	390/450/510/630
Air flow heating mode (SL / L / M / H)	m³/h	390/420/480/540	450/480/510/660	450/510/540/690
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)		32x650x650	32x650x650	32x650x650
Panel weight		4.0	4.0	4.0
Panel reference		RAI-ECPP	RAI-ECPP	RAI-ECPP
Included drain pump		yes	yes	yes
Condensate Pump Lift	mm	115		
Power supply		35 V DC from outdoor unit		
Drain diameter (ext)		ø16mm	ø16mm	ø16mm
		Infra red	Infra red	Infra red
Remote Control (standard)		RAR-5E2	RAR-5E2	RAR-5E2

OUTDOOR UNITS

		RAC-25NPA	RAC-35NPA	RAC-50NPA
Noise level cooling (sound pressure) (night mode) ⁽³⁾	dB(A)	46	47	50
Noise level heating (sound pressure) (night mode) ⁽³⁾	dB(A)	46	49	52
Noise level (sound power) ⁽¹⁾	dB(A)	65	65	65
Air flow (Cooling / Heating)	m³/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 mm	1/4 - 3/8 6.35 - 9.52	1/4 - 3/8 6.35 - 9.52	1/4 / 1/2 6.35 - 12.70
Minimum Piping Length	m	5.0	5.0	5.0
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	5.05-4.63 / 6.24-5.72	9.1-8.37 / 9.87-9.05
Interconnecting Cables	No.	2 (screened) + E	2 (screened) + E	2 (screened) + 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
System Price (£)	(£)	1,327	1,457	1,717

System price includes infra-red remote controller.

(1) 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

(2) Sound pressure level is measured at 0.8m beneath unit and 1.5m from discharge grille in anechoic chamber

(3) Sound pressure level is measured at 1.0m from front face of unit, 1.5m above the ground in anechoic chamber

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

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