



RAI-RPA

RAR-5E2

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
Panel reference			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)