



RAC Floor Mounted



RAF-RPA



RAR-5E2

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)