



RAR-5E4

RAF-PXA

## Floor Mounted

Indoor Unit		RAF-25PXA	RAF-35PXA	RAF-50PXA
Nominal Cooling Capacity (min - max)	kW	2.5 (0.9 - 3.1)	3.5(0.9 - 4.0)	5.0 (0.9 - 5.2)
Cooling Sensible Capacity	kW	2.50	2.95	3.80
UK Cooling Capacity (sensible)	kW	2.4 (1.9)	3.1 (2.5)	4.2 (3.1)
Nominal Heating Capacity (min - max)	kW	3.4(0.9 - 4.4)	4.5(0.9 - 5.0)	6.5 (0.9 - 8.1)
Heating Capacity at -7°C <sup>1)</sup>	kW	2.3	2.9	4.0
Nominal Cooling Power Input (min - max)	kW	0.58 (15 - 1,16)	1.02 (0.15 - 1.38)	1.56 (0.15 - 1.95)
Nominal Heating Power Input (min - max)	kW	0.79 (0.11 - 1.17)	1.22 (0.11 - 1.35)	1.78 (0.15 - 2.10)
Seasonal Efficiency SEER <sup>3)</sup>		6.38	6.39	5.97
Energy Efficiency Class		A++	A++	A+
Annual Energy Consumption	kWh/yr	140	196	299
Seasonal Efficiency SCOP <sup>3)</sup> (Average Climate)		4.24	4.14	4.15
Energy Efficiency Class		A+	A+	A+
Annual Energy Consumption	kWh/yr	824	1,120	1,614
Nominal Load Efficiency EER / COP <sup>4)</sup>		4.31 / 4.30	3.43 / 3.69	3.21 / 3.65
Energy Class (Cool/Heat)		A / A	A / A	A / A
Noise Level Cooling (sound pressure) (SL / L / M / H)	dB(A)	20/26/31/38	20/26/31/39	22/29/36/43
Noise Level Heating (sound pressure) (SL / L / M / H)	dB(A)	20/26/31/38	20/26/31/39	22/29/36/44
Noise level (sound power) <sup>2)</sup>	dB(A)	55	56	59
Air flow cooling mode (SL / L / M / H)	m <sup>3</sup> /h	270/390/510/630	270/390/510/630	300/450/540/720
Air flow heating mode (SL / L / M / H)	m <sup>3</sup> /h	300/420/540/660	300/420/540/660	330/480/570/750
Dehumidification	l/h	1.4	1.9	2.8
Dimensions (H x W x D)	mm	590x750x215	590x750x215	590x750x215
Weight	kg	15.0	15.0	15.0
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-5E4	Infra red RAR-5E4	Infra red RAR-5E4

Outdoor Unit		RAC-25FXA	RAC-35FXA	RAC-50FXA
Noise Level Cooling (sound pressure) (night mode)	dB(A)	45	46	50
Noise Level Heating (sound pressure) (night mode)	dB(A)	47	48	52
Noise level (sound power) <sup>2)</sup>	dB(A)	62	63	65
Air flow (Cooling / Heating)	m <sup>3</sup> /h	1860 / 1620	1920 / 1620	1950 / 1750
Dimensions (H x W x D)	mm	590x750x215	590x750x215	600x792x299
Weight	kg	35.0	35.0	42.0
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	0.87	1.45
Chargeless / Additional Refrigerant Charge	m / g/m	20 / -	20 / -	30 / -
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	16	16	16
Starting Current	A	tbc	tbc	tbc
Running Current (Cooling / Heating)	A	2.66 / 3.63	4.68 / 5.60	7.16 / 8.17
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		Scroll	Scroll	Scroll

<sup>1)</sup> Value includes the defrost ratio.

<sup>2)</sup> 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

<sup>3)</sup> Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

<sup>4)</sup> Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)