



RAK-PXA



RAR-5E3

## Wall Mounted

Indoor Unit			RAK-25PXA	RAK-35PXA	RAK-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	2.1	2.6	3.4
UK Cooling Capacity (sensible)		kW	2.2 (2.0)	2.7 (2.4)	4.3 (2.8)
Nominal Heating Capacity (min - max)		kW	3.4 (0.9 - 4.4)	4.2 (0.9 - 5.0)	6.3 (0.9 - 7.9)
Heating Capacity at -7°C <sup>(1)</sup>		kW	2.2	2.7	4.0
Nominal Cooling Power Input (min - max)		kW	0.58 (0.25 - 1.29)	0.92 (0.25 - 1.30)	1.55 (0.15 - 2.20)
Nominal Heating Power Input (min - max)		kW	0.79 (0.25 - 1.25)	1.01 (0.25 - 1.30)	1.75 (0.15 - 2.20)
Seasonal Efficiency SEER <sup>(3)</sup>			5.8	5.9	6.0
Energy Efficiency Class			A+	A+	A+
Annual Energy Consumption		kWh/yr	150	209	300
Seasonal Efficiency SCOP <sup>(3)</sup> (Average Climate)			4.3	4.3	4.2
Energy Efficiency Class			A+	A+	A+
Annual Energy Consumption		kWh/yr	811	999	1,529
Nominal Load Efficiency EER / COP <sup>(4)</sup>			4.31 / 4.30	3.80 / 4.16	3.22 / 3.61
Energy Class (Cool/Heat)			A / A	A / A	A / A
Noise Level Cooling (sound pressure) (SL / L / M / H)		dB(A)	20/26/32/40	22/29/35/42	25/31/39/47
Noise Level Heating (sound pressure) (SL / L / M / H)		dB(A)	20/27/33/40	22/30/35/42	25/31/39/48
Noise level (sound power) <sup>(2)</sup>		dB(A)	54	56	60
Air flow cooling mode (SL / L / M / H)		m <sup>3</sup> /h	210/270/370/480	230/300/400/520	288/408/552/690
Air flow heating mode (SL / L / M / H)		m <sup>3</sup> /h	200/330/420/570	220/360/450/610	288/438/576/780
Dehumidification		l/h	1.4	1.6	3.0
Dimensions (H x W x D)		mm	295×795×198	295×795×198	295×795×198
Weight		kg	10.0	10.0	10.0
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-5E3	Infra red RAR-5E3	Infra red RAR-5E3

Outdoor Unit			RAC-25WXA	RAC-35WXA	RAC-50WXA
Noise level cooling (sound pressure) (night mode)		dB(A)	46	47	50
Noise level heating (sound pressure) (night mode)		dB(A)	47	49	52
Noise level (sound power) <sup>(2)</sup>		dB(A)	60	61	65
Air flow (Cooling / Heating)		m <sup>3</sup> /h	1860 / 1620	1920 / 1620	1950 / 1750
Dimensions (H x W x D)		mm	548×750×288	548×750×288	600×792×299
Weight		kg	31.0	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	1.05	1.35
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	8.0
Running current (cooling / heating)		A	2.97/3.82	4.21/4.62	tbc/tbc
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

<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)