



RAK-18-25/35PPA

## Wall Mounted

Indoor Unit		RAK-18PPA	RAK-25PPA
Nominal Cooling Capacity (min - max)	kW	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)
Cooling Sensible Capacity	kW	1.9	2.1
UK Cooling Capacity (sensible)	kW	1.9 (1.7)	2.4 (2.0)
Nominal Heating Capacity (min - max)	kW	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)
Heating capacity at -7°C <sup>(1)</sup>	kW	1.6	2.2
Nominal cooling power input (min - max)	kW	0.55 (0.25 - 1.01)	0.70 (0.25 - 1.29)
Nominal heating power input (min - max)	kW	0.58 (0.25 - 0.97)	0.88 (0.25 - 1.25)
Seasonal Efficiency SEER <sup>(3)</sup>		5.8	5.8
Energy Efficiency Class		A+	A+
Annual Energy Consumption	kWh/yr	121	151
Seasonal Efficiency SCOP <sup>(3)</sup> (Average Climate)		4.2	4.2
Energy Efficiency Class		A+	A+
Annual Energy Consumption	kWh/yr	609	823
Nominal Load Efficiency EER / COP <sup>(4)</sup>		3.64 / 4.31	3.57 / 3.86
Energy Class (Cool/Heat)		A / A	A / A
Noise level cooling (sound pressure) (SL / L / M / H)	dB(A)	21/27/33/37	22/24/33/40
Noise level heating (sound pressure) (SL / L / M / H)	dB(A)	19/28/34/38	20/21/34/41
Noise level (sound power) <sup>(2)</sup>	dB(A)	51	54
Air flow cooling mode (SL / L / M / H)	m <sup>3</sup> /h	312/350/400/440	333/370/430/510
Air flow heating mode (SL / L / M / H)	m <sup>3</sup> /h	312/350/420/480	333/400/500/570
Dehumidification	l/h	1.2	1.4
Dimensions (H x W x D)	mm	280 x 780 x 218	280 x 780 x 218
Weight	kg	7.5	7.5
Power supply		35V DC from outdoor unit	35V DC from outdoor unit
Drain diameter (ext)		φ16mm	φ16mm
Remote Control (Standard)		infra red RAR-5E2	infra red RAR-5E2

Outdoor Unit		RAC-18WPA	RAC-25WPA
Noise level cooling (sound pressure) (night mode)	dB(A)	46	48
Noise level heating (sound pressure) (night mode)	dB(A)	47	49
Noise level (sound power) <sup>(2)</sup>	dB(A)	60	62
Air flow (Cooling / Heating)	m <sup>3</sup> /h	1860/1620	1860/1620
Dimensions (H x W x D)	mm	505 x 700 x 258	505 x 700 x 258
Weight	kg	27.0	27.0
Piping diameter (Liquid / Gas)	Inch	1/4 - 3/8	1/4 - 3/8
	mm	6.35 - 9.52	6.35 - 9.52
Minimum Piping Length	m	5	5
Maximum Piping Length / Height Difference	m	20 / 10	20 / 10
Current Quantity of Refrigerant	kg	0.82	0.82
Chargeless / Additional Refrigerant Charge	m / g/m	20 / -	20 / -
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	16	16
Starting current	A	5.0	5.0
Running current (cooling / heating)	A	2.65 / 2.84	3.58 / 4.25
Interconnecting Cables	No.	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
Refrigerant / GWP		R410A / 1975	R410A / 1975
Compressor type		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)