Wall Mounted

R32 SUMMIT

RAK 18-50PED

Indoor units

- Nominal cooling capacities 2.0kW to 5.0kW
- Nominal heating capacities 2.5kW to 6.0kW
- High seasonal efficiency achieving up to SEER A+ 5.8/SCOP A+ 3.8
- Volt Free control of the air conditioning system - can be used to turn the unit on/off remotely after receiving a signal such as key-card, door or window switch, specifically useful in hotel rooms to prevent unnecessary use Accessory SPX WDC3 is required
- Guaranteed operation in heating mode down to -15°C
- Heating mode lock suitable for BREEAM assessed buildings where cooling mode might not be accepted or simply where cooling is not required
- Compact units (280 x 780 x 218) are common across the entire range and allow for easier integration.

INFRA-RED REMOTE CONTROL*

RAR-5F1

WIRED REMOTE CONTROL**

SPX-WKT3

WIRED REMOTE CONTROL**

SPX-RCDB

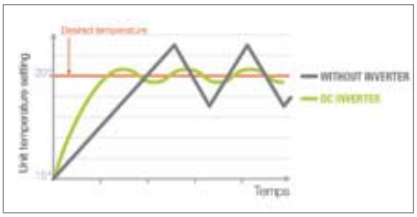
Remote controllers

- User-friendly, easy to use infra-red remote control for optimal comfort
- Optional wired controllers available.

RAC WED

DC Inverter Outdoor unit

- As the pioneer of DC Inverter driven room air conditioners our units boast the significant advantage of all DC Inverter driven compressors and fans allowing precise control of capacity and temperature.



* Standard
** Optional

RAK 18-50PED

More information on controls and options on pages 164-171

R32 SUMMIT
Wall Mounted

Room Air Conditioners

INDOOR UNITS

Indoor Unit Model		RAK-18PED	RAK-25PED	RAK-35PED	RAK-50PED
Nominal Cooling Capacity (min - max)	kW	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Sensible Cooling Capacity	kW	1.99	2.28	2.87	3.47
UK Cooling Capacity (sensible)	kW	1.9 (1.7)	2.4 (2.0)	3.3 (2.5)	4.2 (3.1)
Heating capacity at -7°C	kW	1.75	2.50	3.00	4.00
Nominal Heating Capacity (min - max)	kW	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)	4.20 (0.90 - 5.00)	6.00 (2.2- 7.30)
Nominal cooling power input (min - max)	kW	0.58(0.25-1.01)	0.70 (0.25 - 1.29)	1.09 (0.25 - 1.46)	1.56 (0.50 - 2.10)
Nominal heating power input (min - max)	kW	0.62(0.25-0.97)	0.88 (0.25 - 1.25)	1.10 (0.25 - 1.70)	1.66(0.50 - 2.75)
Seasonal Efficiency SEER[4]		5.80	5.80	5.85	5.88
Energy Efficiency Class	kWh/yr	A+	A+	A+	A+
Annual Energy Consumption		121	151	209	298
Seasonal Efficiency SCOP[4] (Average Climate)		3.80	3.80	3.80	3.80
Energy Efficiency Class	kWh/yr	A	A	A	A
Annual Energy Consumption		316	909	1.124	1.601
Nominal Load Efficiency EER / COP[5]		3.45/4.03	3.57/3.86	3.21/3.82	3.21/3.61
Energy Class (Cool/Heat)		A/A	A/A	A/A	A/A
Noise level cooling (sound pressure) (SL / L / M / H)[2]	dB(A)	21/24/33/37	22/24/33/40	25/26/36/43	28/30/40/46
Noise level heating (sound pressure) (SL / L / M / H)[2]	dB(A)	19/22/33/38	20/23/34/41	26/27/36/44	25/30/39/47
Noise level (sound power)[1]	dB(A)	51	54	57	60
Air flow cooling mode (SL / L / M / H)	m^3/h	312/350/400/440	333/370/430/510	333/400/485/600	333/450/600/700
Air flow heating mode (SL / L / M / H)	m^3/h	312/350/420/480	333/400/500/570	333/520/550/660	433/510/650/770
Dehumidification	l/h	1.2	1.4	1.6	2.0
Dimensions (H x W x D)	mm	280x780x218	280x780x218	280x780x218	280x780x218
Weight	kg	7.5	7.5	7.5	8.0
Power supply		From Outdoor Unit			
Drain diameter (ext)		φ16mm	φ16mm	φ16mm	φ16mm
Remote Control	Std	Infra Red (RAR-5F1)	Infra Red (RAR-5F1)	Infra Red (RAR-5F1)	Infra Red (RAR-5F1)
	Opt. 1	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)
	Opt. 2	Wired (SPX-WKT2)	Wired (SPX-WKT2)	Wired (SPX-WKT2)	Wired (SPX-WKT2)

OUTDOOR UNITS

Outdoor Unit Model		RAC-18WED	RAC-25WED	RAC-35WED	RAC-50WED
Noise level cooling (sound pressure) (night mode)[3]	dB(A)	45	47	48	50
Noise level heating (sound pressure) (night mode)[3]	dB(A)	46	48	49	50
Noise level (sound power)[1]	dB(A)	59	61	62	64
Air flow (Cooling / Heating)	m^3/h	1860/1620	1860/1620	1860/1620	2160/2160
Dimensions (H x W x D)	mm	530x660x278	530x660x278	530x660x278	600x792x299
Weight	kg	24.5	24.5	27.5	40.0
Piping diameter (Liquid / Gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4" / 1/2"
	mm	6.35 - 9.52	6.35 - 9.52	6.35 - 9.52	6.35 - 12.70
Minimum Piping Length	m	3.0	3.0	3.0	3.0
Maximum Piping Length / Height Difference	m	20/10	20/10	20/10	20/10
Current Quantity of Refrigerant	kg	0.72	0.72	0.95	1.25
Chargeless / Additional Refrigerant Charge	m / g/m	20/ -	20/ -	20/ -	20/ -
Power supply		230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz
Recommended fuse size	A	16	16	16	25
Starting current (cooling/heating)	A	<1 Amp	<1 Amp	<1 Amp	<1 Amp
Running current (cooling/heating)	A	1.09-4.39/1.09-4.22	1.09-5.61/1.09-5.43	1.09-6.35/1.09-7.39	2.17-9.13/2.17-11.96
Interconnecting Cables	No.	3 + E	3 + E	3 + E	3 + 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	-10°C~+43°C / -15°C~+21°C
Refrigerant / GWP		R32 / 1975	R32 / 1975	R32 / 1975	R32 / 1975
Compressor type		Rotary	Rotary	Rotary	Rotary
System Price	(£)	480	504	595	791

(1) 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
(2) Sound pressure level is measured at 0.8 meter beneath indoor unit 1m from discharge grille in anechoic chamber
(3) Sound pressure level is measured at 1.0m from front face of unit, 1.5m above the ground in anechoic chamber.
(4) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01
(5) Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)

! The indoor units are now to be supplied with 220-230 V from the outside unit.