

Hitachi Air Conditioning

Engineered for tomorrow.



Room Air Conditioners

Summit Wall Mounted RAK-PEB

Compact, cost effective, stylish wall units with high seasonal efficiency and low noise.

Our Summit models from the Room Air Conditioning range are designed to complement the interior of any residential or commercial space.



Features and Benefits

Seasonal Efficiency:

All Hitachi's RAC units offer high seasonal efficiencies, with models in the Summit range achieving up to SEER A+ 5.8/SCOP A+ 3.8

Volt Free Contact

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

Super Quiet:

Low noise levels courtesy of Super Low fan speed

Heating at low temperatures

Guaranteed efficiency 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

The compact dimensions of the Summit model (280 x 780 x 218) are common across the entire range and allow for easier integration

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.

Remote Controllers

RAR-5F1

12-hour timer for convenient daily programming



RAR-5F1

ECO operation energy saving function

Leave Home Function - Set a minimum hold temperature (10°C) in heating mode for the periods you are away either on holiday or business.

SPX-RCDB

Wired Remote Controller (Optional)



SPX-RCDB

Outdoor unit



RAC WEB



ErP-compliant products

ErP compliant, A+ across the range



RAK-18~50PEB



RAC WEB

Room Air
Conditioners

Summit – Wall mounted

INDOOR UNITS

	Units	RAK-18PEB	RAK-25PEB	RAK-35PEB	RAK-50PEB
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	1.9	2.2	2.8	3.4
UK Cooling Capacity (sensible)	kW	1.9 (1.7)	2.4 (2.0)	3.3 (2.5)	4.2 (3.1)
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⁾		5.8	5.8	5.9	5.9
Energy Efficiency Class		A+	A+	A+	A+
Annual Energy Consumption	kWh/yr	121	151	209	298
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.8	3.8	3.8	3.8
Energy Efficiency Class		A	A	A+	A
Annual Energy Consumption	kWh/yr	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)	m³/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)	m³/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	280 x 780 x 218	280 x 780 x 218	280 x 780 x 218	280 x 780 x 218
Weight	kg	7.5	7.5	7.5	8.0
Power supply		230V / 1Ph / 50Hz			
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	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)

OUTDOOR UNITS

	Units	RAC-18WEB	RAC-25WEB	RAC-35WEB	RAC-50WEB
Noise level cooling (sound pressure) (night mode) ⁽³⁾	dB(A)	46	48	49	51
Noise level heating (sound pressure) (night mode) ⁽³⁾	dB(A)	47	49	50	51
Noise level (sound power) ⁽¹⁾	dB(A)	60	62	63	65
Air flow (Cooling / Heating)	m³/h	1860/1620	1860/1620	1860/1620	2160/2160
Dimensions (H x W x D)	mm	530x660 x278	530x660 x278	530x660 x278	600x792x299
Weight	kg	27.5	27.5	27.5	40.0
Piping diameter (Liquid / Gas)	Inch mm	1/4 - 3/8 6.35 - 9.52	1/4 - 3/8 6.35 - 9.52	1/4 - 3/8 6.35 - 9.52	1/4" / 1/2" 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	0.95	0.95	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	A	3.5	4.7	5.6	7.6
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		R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975
Compressor type		Rotary	Rotary	Rotary	Rotary

(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

(3) Sound pressure level is measured at 1.0m from front face of unit, 1.5m above the ground

(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)