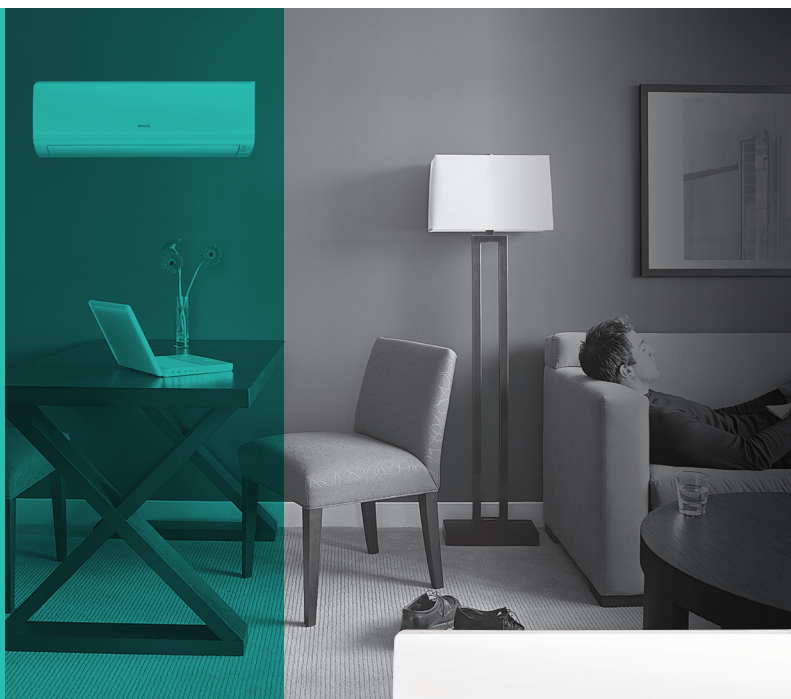


## SUMMIT WALL MOUNTED RAK-PEC

The Summit range of inverter high-wall units has been specifically designed for residential applications. The modern design fits well into any interior room.

The units are extremely quiet in operation and provide excellent all round comfort. Using Hitachi rotary compressor technology, the units give high energy efficient heating and cooling.

For higher efficiency models see Performance, Shirokuma and S-Series ranges.



### FEATURES AND BENEFITS

- High seasonal efficiency A+ class in cooling and heating, fully ErP compliant
- Stylish slim-line design
- Very low sound level
- Easy installation and maintenance
- Auto-diagnosis function
- Latest digital hybrid inverter technology
- Easy-to-use remote control with large display.

### REMOTE CONTROLLERS



**Standard**  
Wireless Remote Controller

- 12-hour timer for convenient daily programming
- ECO operation energy saving function



**SPX-RCDB (optional)**  
Wired Remote Controller



**SPX-WKT2 (optional)**  
Wired 7-day Remote Controller

- Daily Timer
- Weekly timer
- Sleep timer
- Leave Home Function
- Error Code Display
- Alarm History
- Control remotely via smartphone Hi-Kumo app



**ERP-COMPLIANT PRODUCTS**  
A+ across the range





RAK 18-50PEC



RAC WEC

## SUMMIT WALL MOUNTED RAK-PEC

Indoor Unit Model		RAK-18PEC	RAK-25PEC	RAK-35PEC	RAK-50PEC
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 <sup>(4)</sup>		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 <sup>(4)</sup> (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 <sup>(5)</sup>		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) <sup>(2)</sup>	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) <sup>(2)</sup>	dB(A)	19/22/33/38	20/23/34/41	26/27/36/44	25/30/39/47
Noise level (sound power) <sup>(3)</sup>	dB(A)	51	54	57	60
Air flow cooling mode (SL / L / M / H)	m <sup>3</sup> /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 <sup>3</sup> /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)		ø16mm	ø16mm	ø16mm	ø16mm
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 Unit Model		RAC-18WEC	RAC-25WEC	RAC-35WEC	RAC-50WEC
Noise level cooling (sound pressure) (night mode) <sup>(3)</sup>	dB(A)	45	47	48	50
Noise level heating (sound pressure) (night mode) <sup>(3)</sup>	dB(A)	46	48	49	50
Noise level (sound power) <sup>(3)</sup>	dB(A)	59	61	62	64
Air flow (Cooling / Heating)	m <sup>3</sup> /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		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 3m 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)



For ErP performance  
data visit us at:  
[hitachiaircon.com/erpactive](http://hitachiaircon.com/erpactive)

UNITED KINGDOM  
[aircon.uk@jci-hitachi.com](mailto:aircon.uk@jci-hitachi.com)  
tel: 01628 585 394

IRELAND  
[aircon.ireland@jci-hitachi.com](mailto:aircon.ireland@jci-hitachi.com)  
tel: 00 353 1 216 4406