

Wall Mounted



SCOP
A++

SEER
A+++



WALL MOUNTED

Hitachi offers a wide range of stylish and highly-efficient wall mounted systems suitable for a variety of applications.

COP
4.03



SUMMIT

RAK 18 - 50 PEB _____ pages 32 and 33

COP
4.31



PERFORMANCE

RAK 18 - 50 RPB _____ pages 34 and 35
RAK 60 - 70 PPA _____ pages 34 and 35

COP
4.57



SHIROKUMA

RAK 25 - 50 RXB _____ pages 36 and 37

COP
6.13



S-SERIES

RAK 18 - 35 PSB _____ pages 38 and 39

COP
2.96



UTOPIA ES

RPK 3.0 FSN3M _____ pages 40 and 41

COP
3.15



UTOPIA IVX COMFORT

RPK 3.0 - 4.0 FSN3M _____ pages 42 and 43

COP
3.44



UTOPIA IVX PREMIUM

RPK 2.0 - 4.0 FSN3M _____ pages 44 and 45

WALL MOUNTED Range



Installation

Discrete, economical and easy to install on the wall or above a door, the wall mounted unit frees up floor space.

Wide range

Nominal cooling output (kW)		2	2.5	3.5	5	5.6	6	7	7.1	10
	SUMMIT <i>(pages 32 and 33)</i>	/	/	/	/					
	NEW PERFORMANCE <i>(pages 34 and 35)</i>	/	/	/	/		/	/		
	NEW SHIROKUMA <i>(pages 36 and 37)</i>		/	/	/					
	S-SERIES <i>(pages 38 and 39)</i>	/	/	/						
	UTOPIA ES <i>(pages 40 and 41)</i>							/		
	UTOPIA IVX COMFORT <i>(pages 42 and 43)</i>							/	/	
	UTOPIA IVX PREMIUM <i>(pages 44 and 45)</i>				/	/		/	/	

Wall Mounted SUMMIT



RAK 18-50PEB

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.

* Standard
** Optional



INFRA-RED REMOTE CONTROL*
RAR-5F1



WIRED REMOTE CONTROL**
SPX-RCDB

Remote controllers

- /// User-friendly, easy to use infra-red remote control for optimal comfort.



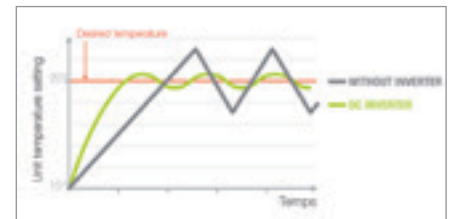
RAC 18-35WEB



RAC 50WEB

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.



RAK 18-50PEB

INDOOR 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)	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	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

		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)	m ³ /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			
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			
Compressor type		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 metre 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.

