HITACHI

WALL MOUNTED

ROOM AIR CONDITIONERS

PERFORMANCE
WALL MOUNTED

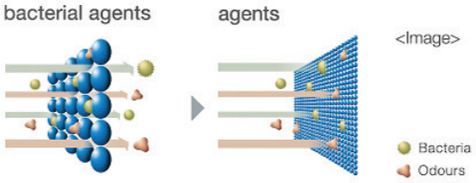
Extremely quiet units in operation and provide excellent all round comfort. Using Hitachi's rotary compressor technology the units provide high energy efficiency heating and cooling performance.

FEATURES AND BENEFITS

- Performance high-wall residential inverter heat pump with R410A
- Stylish design to blend into any interior.
- High seasonal efficiency A++ class in cooling and heating, fully ErP compliant
- Stylish and slim-line flat-panel design
- Extremely low sound level model
- Cooling operation down to -10°C ambient
- Easy installation and maintenance
- Auto-diagnosis function
- Latest digital hybrid inverter technology
- Easy-to-use remote control with extra-large display
- Stylish controller units
- Power supply to outdoor unit.

NANO TITANIUM WASABI AIR PURIFICATION

A cutting-edge technology that uses a wasabi-modified Nano Titanium catalyst to provide a powerful antibacterial, anti-mould, anti-allergen and deodorizing effect.



REMOTE CONTROLLERS

Standard
Wireless Remote Controller

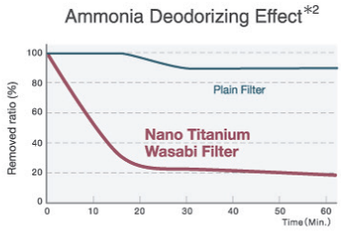
- 24-hour, 7-day infra red remote controller
- Leave Home Function - set temperature at 10°C automatically when no one is at home for up to 99 days
- Weekly Timer – 2 patterns
- Heating/Cooling Only operation – 2 ways of setting
- Room temperature display
- Error Code Display
- Alarm History

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

Ammonia Deodorizing Effect*2



82% ODOUR REMOVED

*2 Test material: Nano Titanium Wasabi Air Purifying Filter (30.8 x 27.6cm 5T), Reactor volume: 1m³
Analysis: Gas Detector Tube Method. Flow rate through kit: 1m/s
Tested by the Nanopac Testing Laboratory

RAK-18-25RPB

RAK-60PPA

RAK-35-50RPC

RAK-70PPA

RAC WPC

PERFORMANCE

WALL MOUNTED

Indoor Unit Model		RAK-18RPB	RAK-25RPB	RAK-35RPC	RAK-50RPC	RAK-60PPA	RAK-70PPA
Nominal Cooling Capacity (min - max)	kW	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.0(1.9 - 5.2)	6.10 (0.9 - 6.5)	7.00 (1.5 - 8.00)
Sensible Cooling Capacity	kW	1.90	2.20	2.70	3.80	4.37	5.39
UK Cooling Capacity (sensible)	kW	1.9 (1.7)	2.4 (2.0)	3.3 (2.5)	4.2 (3.1)	5.3 (4.0)	6.5 (4.8)
Heating capacity at -7°C	kW	2.00	3.00	3.70	4.60	4.19	5.64
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)	6.80 (0.9 - 8.5)	8.00 (1.5 - 9.2)
Nominal cooling power input (min - max)	kW	0.55 (0.25 - 1.01)	0.70 (0.25 - 1.29)	1.09 (0.25 - 1.46)	1.56 (0.50 - 2.10)	1.85 (0.15 - 2.30)	2.17 (0.20 - 2.82)
Nominal heating power input (min - max)	kW	0.58 (0.25 - 0.97)	0.88 (0.25 - 1.25)	1.10 (0.25 - 1.70)	1.66 (0.50 - 2.75)	1.88 (0.12 - 2.55)	2.20 (0.20 - 2.97)
Seasonal Efficiency SEER[4]	kWh/yr	7.0	7.6	7.2	7.2	6.0	6.8
Energy Efficiency Class		A++	A++	A++	A++	A+	A++
Annual Energy Consumption		100	115	170	243	350	360
Seasonal Efficiency SCOP[4] (Average Climate)	kWh/yr	4.3	4.4	4.6	4.41	4.0	4.4
Energy Efficiency Class		A+	A+	A++	A+	A+	A+
Annual Energy Consumption		591	786	928	1,381	1,670	2,060
Nominal Load Efficiency EER / COP[5]		3.64/4.31	3.57/3.86	3.21/3.82	3.21/3.61	3.30/3.62	3.23 / 3.64
Energy Class (Cool/Heat)		A/A	A/A	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	25/28/39/46	30/33/42/48	30/33/42/47
Noise level heating (sound pressure) (SL / L / M / H)[2]	dB(A)	19/22/33/38	20/23/34/41	26/27/36/44	27/31/39/46	33/34/42/49	30/33/42/47
Noise level (sound power)[1]	dB(A)	51	54	57	60	63	61
Air flow cooling mode (SL / L / M / H)	m^3/h	312/350/400/440	333/370/430/510	353/420/485/680	353/410/540/750	480/540/690/930	510/630/870/1020
Air flow heating mode (SL / L / M / H)	m^3/h	312/350/420/480	333/400/500/570	363/480/570/780	380/500/610/820	480/510/720/1050	510/630/870/1080
Dehumidification	l/h	1.2	1.4	1.6	2.0	2.8	4.5
Dimensions (H x W x D)	mm	280x780x218	280x780x218	295x900x230	295x900x230	295x1030x207	333x1150x245
Weight	kg	7.5	7.5	10.0	10.0	12.0	15.0
Power supply		From Outdoor Unit					
Drain diameter (ext)		φ16mm	φ16mm	φ16mm	φ16mm	φ16mm	φ16mm
Remote Control	Std	Infra Red (RAR-6N2)	Infra Red (RAR-6N2)	Infra Red (RAR-6N1)	Infra Red (RAR-6N1)	Infra Red (RAR-5E2)	Infra Red (RAR-5E1)
	Opt. 1	Wired (SPX-RCDB)	Wired (SPX-RCDB)	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-18WPB	RAC-25WPB	RAC-35WPC	RAC-50WPC	RAC-60WPA	RAC-70WPA
Noise level cooling (sound pressure)[3]	dB(A)	46	48	49	50	50	52
Noise level heating (sound pressure)[3]	dB(A)	47	49	50	50	53	54
Noise level (sound power)[1]	dB(A)	60	62	63	64	66	67
Air flow (Cooling / Heating)	m^3/h	1860 / 1620	1860 / 1620	1920 / 1620	2160 / 2160	2160 / 2160	2820 / 2820
Dimensions (H x W x D)	mm	530x660x278	530x660x278	548x750x288	600x792x299	650x850x298	800x850x298
Weight	kg	27.5	27.5	33.0	41.0	45.0	55.0
Piping diameter (Liquid / Gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 / 1/2	1/4 / 1/2	1/4 / 5/8
	mm	6.35 - 9.52	6.35 - 9.52	6.35 - 9.52	6.35 - 12.7	6.35 - 12.7	6.35 - 15.88
Minimum Piping Length	m	3.0	3.0	3.0	3.0	3.0	3.0
Maximum Piping Length / Height Difference	m	20/10	20/10	20/10	20/10	30/20	30 / 20
Current Quantity of Refrigerant	kg	0.95	0.95	1.05	1.25	1.65	1.85
Chargeless / Additional Refrigerant Charge	m / g/m	20/-	20/-	20/-	20/-	30/-	30 / -
Power supply		230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz
Recommended fuse size	A	16	16	16	25	25	32
Starting current (cooling/heating)	A	<1 Amp	<1 Amp	<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	7.80~8.50/7.90~8.60	9.1~9.95 / 9.3~10.1
Interconnecting Cables	No.	3 + E	3 + E	3 + E	3 + E	2(Screened) + 2 + E	2(Screened) + 2 + E
Working Range (cooling/heating)	°C	-10°C~+43°C / -15°C~+21°C					
Refrigerant / GWP		R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975
Compressor type		Rotary	Rotary	Rotary	Twin Rotary	Twin Rotary	Twin 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 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)

ErP active

For ErP performance data visit us at:
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