



Mono Split

Wall Performance RAK-PPB

PAM DC inverter Split Heat pump

* available from May 2014



RAK 18~25PPB



RAK 35~50PPB



- **EXTREMELY HIGH SEASONAL EFFICIENCY:**
the air conditioner features exceptional seasonal efficiency levels both in cooling and heating mode
- **HEATING AT LOW TEMPERATURES:**
guaranteed efficiency in heating mode up to -15°C
- **WASABI NANO TITANIUM:**
the WASABI NANO TITANIUM air filter supplied guarantees the high quality of the air you breathe in your room
- **VERTICAL / HORIZONTAL SWING:**
the air flow is vertically and horizontally orientable from the remote controller thanks to the motorised flaps (*for certain power levels)
- **SUPER QUIET:**
only 20dBA noise level at the SUPER LOW speed - peaceful sleep is guaranteed

- **7-DAY TIMER:**
6 on/off settings for every day of the week, two storable programs (summer/winter)
- **LEAVE HOME:**
the feature lets you set a minimum hold temperature (10°C) in heating mode for the periods you are away either on holiday or business; up to 99 days may be set. Ideal for holiday homes!
- **INFO KEY:**
room temperature reading, power consumption display, alarm signals
- **CLEAN FEATURE:**
the evaporator is dried to prevent mould formation

+21
-15



+43
-10



SEASONAL EFFICIENCY IS EXTREMELY HIGH

HEATING AT LOW TEMPERATURES

WASABI NANO TITANIUM

VERTICAL / HORIZONTAL SWING

SUPER QUIET

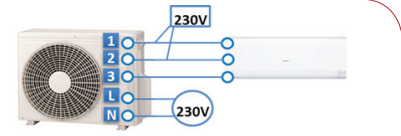
7-DAY TIMER

LEAVE HOME

INFO KEY

CLEAN FEATURE

RAC 18-25-35-50WPB



The appearance of the products may be slightly different from those pictured, depending on the selected power level.



TECHNICAL SPECIFICATIONS					
OUTDOOR UNIT	Unit of measurement	RAC-18WPB	RAC-25WPB	RAC-35WPB	RAC-50WPB
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)
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	0.55(0.25 - 1.01)	0.70 (0.25 - 1.29)	1.090 (0.25 - 1.46)	1.560 (0.50 - 2.10)
Nominal heating power input (min-max)	kW	0.58(0.25 - 0.97)	0.88 (0.25 - 1.25)	1,100(0.25 - 1.70)	1,660(0.50 - 2.75)
EER / COP		3.64/4.31	3.57/3.86	3.21/3.82	3.21/3.61
SEER		7.0	7.6	7.2	7.2
Cooling energy efficiency class		A++	A++	A++	A++
Cooling annual consumption	kWh / year	100	115	170	243
P design	kW	2.0	2.5	3.5	5.0
SCOP (average climate)		4.3	4.4	4.6	4.4
Heating energy efficiency class		A+	A+	A++	A+
Heating annual consumption	kWh / year	591	786	928	1381
P design	kW	1.8	2.5	3.1	4.4
Cooling sound pressure level	dB(A)	46	48	49	51
Heating sound pressure level	dB(A)	47	49	50	51
Sound power	dB(A)	60	62	63	65
Air flow rate (cooling/heating)	m ³ / h	1860 / 1620	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (HxLxD)	mm	530x660 x278	530x660 x278	548x750x288	600x792x299
Weight	kg	27.5	27.5	34	40
Power supply	V / Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Starting current	A	3.34/3.49	4.36/4.56	5.27/5.51	7.59/7.93
Nominal current	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
Piping diameter (liq/gas)	inch. mm	1/4" / 3/8"	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"
Min piping length	m	3	3	3	3
Piping length / max lift	m	20 / 10	20 / 10	20 / 10	20 / 10
Amount of pre-charged refrigerant	kg	0.950	0.950	1.050	1.250
Max pre-charge length / amount of additional refrigerant	m / g/m	20/-	20/-	20/-	20/-
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		R410A	R410A	R410A	R410A
Compressor	type	ROTARY	ROTARY	ROTARY	ROTARY
PRICE	€	754	774	879	1,440

INDOOR UNIT	Unit of measurement	RAK-18PPB	RAK-25PPB	RAK-35PPB	RAK-50PPB
Cooling sound pressure (SL/L/M/H)	dB(A)	21/24 / 33 / 37	22/24 / 33 / 40	25/26/36/43	25/28/39/46
Heating sound pressure (SL/L/M/H)	dB(A)	19/22 / 33 / 38	20/23 / 34 / 41	26/27/36/44	27/31/39/46
Sound power	dB(A)	51	54	57	60
Cooling air flow rate (SL/L/M/H)	m ³ /h	312 / 350 / 400 / 440	333 / 370 / 430 / 510	353 / 420 / 485 / 680	353/410/540/750
Heating air flow rate (SL/L/M/H)	m ³ /h	312 / 350 / 420 / 480	333 / 400 / 500/ 570	363 / 480 / 570/ 780	380/500/610/820
Dehumidification	l/h	1.2	1.4	1.6	2.0
Dimensions (HxLxD)	mm	280 x 780 x 218	280 x 780 x 218	295 x 900 x 230	295 x 900 x 230
Weight	kg	7.5	7.5	10	10
Nominal current	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
Power supply	V	220-230V	220-230V	220-230V	220-230V
Condensate drain diameter (ext)	mm	Ø16	Ø16	Ø16	Ø16
Standard remote controller	type code	Infra Red RAR-5E2	Infra Red RAR-5E2	Infra Red RAR-5E1	Infra Red RAR-5E1
PRICE	€	277	287	362	588

SYSTEM PRICE	€	1,031	1,061	1,241	2,028
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