



# Mono Split

## Wall Performance RAK-PPA

### PAM DC inverter Split Heat pump



RAK 18~25~35~50PPA



RAK 60~70PPA

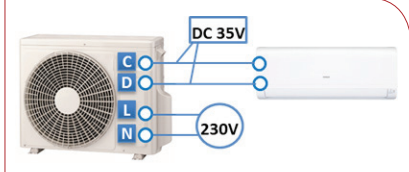


- WIDE RANGE:**  
 available in 6 power levels, from 1.8kW to 7kW in cooling mode to adapt to a wide range of different needs
- WASABI NANO TITANIUM:**  
 the WASABI NANO TITANIUM air filter supplied guarantees the high quality of the air you breathe in your room
- VERTICAL / HORIZONTAL SWING:**  
 the air flow is vertically and horizontally orientable from the remote controller thanks to the motorised flaps (\*for certain power levels)
- EXCEPTIONAL 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
- 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



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RAC 18-25-35-50-60-70WPA



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	RAK 18WPA	RAK 25WPA	RAK 35WPA	RAK 50WPA	RAK 60WPA	RAK 70WPA
Nominal cooling capacity (min-max)	kW	2.00 (0.90 - 2.50)	2.50 (1.60 - 3.10)	3.50 (0.90 - 4.00)	5.00 (0.90 - 5.20)	6.1 (0.90 - 6.50)	7.00 (1.50 - 8.00)
Nominal heating capacity (min-max)	kW	2.50 (0.90 - 3.20)	3.40 (1.70 - 4.00)	4.20 (0.90 - 5.00)	6.00 (0.90 - 8.10)	6.80 (0.90 - 8.50)	8.00 (1.50 - 9.20)
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)	1.56 (1.55 - 2.20)	1.85 (1.55 - 2.30)	2.17 (2.00 - 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 (1.55 - 2.20)	1.88 (1.20 - 2.55)	2.20 (2.00 - 2.97)
EER / COP		3.64 / 4.31	3.57 / 3.86	3.21 / 3.82	3.21 / 3.61	3.30 / 3.62	3.23 / 3.64
SEER		5.8	5.8	5.85	6.1	6	6.8
Cooling energy efficiency class		A+	A+	A+	A++	A+	A++
Cooling annual consumption	kWh / year	121	151	210	290	350	360
P design	kW	2.0	2.5	3.5	5.0	6.1	7.0
SCOP (average climate)		4.16	4.19	4.26	4.3	4	4.4
Heating energy efficiency class		A+	A+	A+	A+	A+	A+
Heating annual consumption	kWh / year	609	823	1003	1520	1670	2060
P design	kW	1.8	2.5	3.0	4.7	4.7	6.4
Cooling sound pressure level	dB(A)	46	48	49	50	50	52
Heating sound pressure level	dB(A)	47	49	50	52	53	54
Sound power	dB(A)	60	62	63	65	66	67
Air flow rate (cooling/heating)	m <sup>3</sup> / h	1.860 / 1.620	1.860 / 1.620	1.920 / 1.620	- / -	- / -	- / -
Dimensions (AxLxP)	mm	505 x 700 x 258	505 x 700 x 258	548 x 750 x 288	650 x 850 x 298	650 x 850 x 298	800 x 850 x 298
Weight	kg	27	27	35	45	45	55
Power supply	V / Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	220 - 230V / 1Ph / 50Hz	220 - 230V / 1Ph / 50Hz	220 - 230V / 1Ph / 50Hz
Starting current	A	5.00	5.00	5.00	10.00	8.50	10.00
Nominal current	A	2.65 / 2.84	3.58 / 4.25	5.00 / 5.03	7.15 - 6.56 / 7.60 - 7.00	8.50 - 7.80 / 8.60 - 7.90	9.95 / 10.10
Piping diameter (liq/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 - 12.70	6.35 - 12.70	6.35 - 15.88
Min piping length	m	5	5	5	3	3	3
Piping length / max lift	m	20 / 10	20 / 10	20 / 10	20 / 10	30 / 20	30 / 20
Amount of pre-charged refrigerant	kg	0.82	0.82	1.00	1.65	1.65	1.85
Max pre-charge length / amount of additional refrigerant	m / g/m	20 / -	20 / -	20 / -		30 / -	30 / -
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	-10°C +43°C / -15°C +21°C	-10°C +43°C / -15°C +21°C
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Compressor	type	ROTARY	ROTARY	ROTARY	TWIN ROTARY	TWIN ROTARY	TWIN ROTARY
PRICE	€	731	751	853	1397	1,666	2,198

INDOOR UNIT	Unit of measurement	RAK 18PPA	RAK 25PPA	RAK 35PPA	RAK 50PPA	RAK 60PPA	RAK 70PPA
Cooling sound pressure (SL/L/M/H)	dB(A)	21 / 27 / 33 / 37	22 / 24 / 33 / 40	25 / 26 / 36 / 43	24 / 28 / 39 / 47	48 / 42 / 33 / 30	30 / 33 / 42 / 47
Heating sound pressure (SL/L/M/H)	dB(A)	19 / 28 / 34 / 38	20 / 21 / 34 / 41	26 / 27 / 36 / 44	27 / 31 / 39 / 47	33 / 34 / 42 / 49	30 / 33 / 42 / 47
Sound power	dB(A)	51	54	57	60	63	61
Cooling air flow rate (SL/L/M/H)	m <sup>3</sup> /h	312 / 350 / 400 / 440	333 / 370 / 430 / 510	333 / 400 / 485 / 600	246 / 330 / 540 / 750	480 / 540 / 690 / 930	510 / 630 / 870 / 1020
Heating air flow rate (SL/L/M/H)	m <sup>3</sup> /h	312 / 350 / 420 / 480	333 / 400 / 500 / 570	333 / 520 / 550 / 660	330 / 420 / 570 / 750	480 / 510 / 720 / 1050	510 / 630 / 870 / 1080
Dehumidification	l/h	1.20	1.40	1.60	2.80	2.80	4.50
Dimensions (HxLxD)	mm	280 x 780 x 218	280 x 780 x 218	280 x 780 x 218	300 x 790 x 230	295 x 1,030 x 207	333 x 1,150 x 245
Weight	kg	7.50	7.50	7.50	10.00	12.00	15.00
Nominal current	A	2.65 / 2.84	3.58 / 4.25	5.00 / 5.03	5.00 (0.90 - 5.20)	8.50 ~ 7.80 / 8.60 ~ 7.90	7.00 (1.50 - 8.00)
Power supply	V	35 V DC from outdoor unit	35 V DC from outdoor unit	35 V DC from outdoor unit	35 V DC from outdoor unit	35V DC & 230V, 1Ph, 50Hz from outdoor unit	35V DC & 230V, 1Ph, 50Hz from outdoor unit
Condensate drain diameter (ext)	mm	Ø 16 mm	Ø 16 mm	Ø 16 mm	Ø 16 mm	Ø 16 mm	Ø 16 mm
Standard remote controller	type	Infra Red	Infra Red	Infra Red	Infra Red	Infra Red	Infra Red
	code	RAR - 5E2	RAR - 5E2	RAR - 5E2	RAR - 5E1	RAR - 5E2	RAR - 5E1
PRICE	€	269	278	351	570	969	1,061

SYSTEM PRICE	€	1,000	1,029	1,204	1,967	2,635	3,259
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