

## STANDARD PERFORMANCE

Indoor Unit	Units	RAK-25PPA	RAK-35PPA	RAK-50PPA	RAK-60PPA	RAK-70PPA
Nominal Cooling capacity (min - max)	kW	2.50((0,90 - 3.10)	3,50 (0,90- 4.00)	5.0(0.9-5.2)	6.10 (0.9-6.5)	7.00 (1.5-8.00)
Nominal Heating capacity (min - max)	kW	3.40 (0,90- 4.00)	4.20 (0,90- 5.00)	6.00 (0.9-8.1)	6.80 (0.9-8.5)	8.00 (1.5-9.2)
Noise level cooling (sound pressure) (SL / L / M / H)	dB(A)	23/24 / 33 /40	26/26/36/43	24/28/39/47	48/42/33/30	30/33/42/47
Noise level heating (sound pressure) (SL / L / M / H)	dB(A)	21/21 / 34 / 41	27/27/36/44	27/31/39/47	49/42/34/33	30/33/42/47
Noise level (sound power)	dB(A)	54	57	60	63	65
Dimensions (H x W x D)	mm	280 x 780 x 218	280 x 780 x 218	300X790X230	295x1030x207	333x1150x245
Weight	kg	7.5	7.5	10.0	12.0	15.0
Running current	A	3.58/4.25	5.00/5.03	5.0(0.9-5.2)	8.5~7.8/8.6~7.9	7.00 (1.5-8.00)
Power supply		35 V DC from outdoor unit	35 V DC from outdoor unit	35 V DC from outdoor unit	230V , 1Ph , 50Hz from outdoor unit	230V , 1Ph , 50Hz from outdoor unit
Piping diameter (Liq / Gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4" / 1/2"	1/4" / 1/2"	1/4" / 5/8"
Drain diameter (ext)		φ16mm	φ16mm	φ16mm	φ16mm	φ16mm
Remote control standard		infra red	infra red	Infra red	Infra red	Infra red

Outdoor Unit	Units	RAC-25WPA	RAC-35WPA	RAC-50WPA	RAC-60WPA	RAC-70WPA
Nominal Cooling capacity (min - max)	kW	2.50 (1.60 - 3.10)	3,50 (0,90- 4.00)	5.0(0.9-5.2)	6.1 (0.9-6.5)	7.0 (1.5-8.00)
Nominal Heating capacity (min - max)	kW	3, 40 (1.70 - 4.00)	4.20 (0,90- 5.00)	6.00 (0.9-8.1)	6.8 (0.9-8.5)	8.0 (1.5-9.2)
Nominal cooling power input (min - max)	kW	0,70 (0,25 - 1,29)	1.090 (0,25 - 1,46)	1.56 (155-2200)	1.85 (155-2,300)	2.17 (200-2,820)
Nominal heating power input (min - max)	kW	0,88 (0,25 - 1,25)	1.100(0,25 - 1,45)	1.66(155-2200)	1.88 (120-2,550)	2.2 (200-2,970)
EER / COP		5.80/4.19	5.85/4.26	3.21/3.61	3.30 /3.62	3.23/3.64
Energy class (Cooling / Heating)		A +/ A +	A +/ A +	A/A	A/A	A/A
Noise level cooling (sound pressure) (night mode)	dB(A)	48	49	50	50	52
Noise level heating (sound pressure) (night mode)	dB(A)	49	50	52	53	54
Noise level (sound power)	dB(A)	62	63	65	66	70
Air flow (Cooling / Heating)	m3/h	1860 / 1620	1920 / 1620	-/-	-/-	-/-
Dimensions (H x W x D)	mm	505 x 700 x 258	548x750x288	650X850X298	650x850x298	800x850x298
Weight	kg	29.0	35.0	45.0	50.0	60.0
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	220-230V , 1Ph , 50Hz	220-230V , 1Ph , 50Hz	220-230V , 1Ph , 50Hz
Recommanded fuse size	A	15	15	16	20	30
Starting current	A	5.0	5.0	10.0	8.5	10.0
Running current	A	3.58/4.25	5.00/5.03	7.15-6.56/7.60-7.00	8.50-7.80/8.60-7.90	9.95/10.1
Cable section	mm <sup>2</sup>	3x1.50	3x1.50	Ø2.0	2.500	2.500
Interconnexion between indoor unit and outdoor unit	mm <sup>2</sup>	2x0.75	2x0.75	Ø1.6 OR Ø2.0	2x2.5 + 2x1.6 or 2.0	2x2.5 + 2x1.6 or 2.0
Piping diameter (Liq / Gaz)	Inch	1/4 - 3/8	1/4 - 3/8	1/4" / 1/2"	1/4" / 1/2"	1/4" / 5/8"
Minimum piping length	m	5.0	5.0	3.0	3.0	3.0
Maximum piping lenght / height difference	m	20 / 10	20 / 10	20 / 10	30 / 20	30 / 20
Current quantity of refrigerant / Chargeless	kg	0.82	1.00	1.65	1.65	1.85
Chargeless / Additionnal refrigerant charge	m / g/m	20/-	20/-	-	30 / chargeless	30 / chargeless
Working range (cooling / heating)	°C	-10°C—43°C/-15°C—21°C	-10°C—43°C/-15°C—21°C	-10 ~ 43 / -15 ~ 21	-10 ~ 43 / -15 ~ 21	-10 ~ 43 / -15 ~ 21
Refrigerant		R410A	R410A	R410A	R410A	R410A
Compressor type		ROTARY	ROTARY	2-Cylinder Rotary	2-Cylinder Rotary	2-Cylinder Rotary

In case of noise level (sound pressure), the value should be in anechoic chamber at 1,0m.

