



Mono Split

4 Way Cassette RAI-RPA

PAM DC inverter Heat pump



RAI 25-35-50 RPA
+ RAI - ECPP PANEL

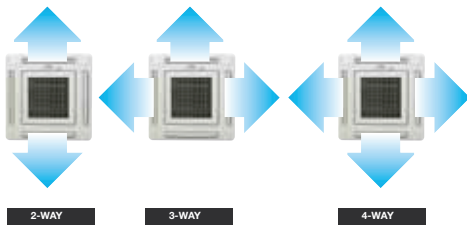


■ **COMPACT DESIGN:**

Thanks to its compact design, the 60 x 60 cm cassette unit fits into a standard ceiling module, thus reducing installation work to the minimum.

■ **FLEXIBILITY OF USE:**

The user may opt for 2, 3 or 4-way operation of automatic swing air outlets. Furthermore, when the unit is installed on high ceilings, air flow power may be increased by means of a switch.



■ **EXCEPTIONAL SEASONAL EFFICIENCY:**

the air conditioner features exceptional seasonal

■ **BUILT-IN CONDENSATE DRAIN PUMP**

This unit is fitted with an internal drain pump to remove the condensate water which accumulates in the drip pan during operation. A float monitors the water level and automatically actuates the pump when required.



efficiency levels both in cooling and heating mode.

■ **HEATING AT LOW TEMPERATURES:**

guaranteed efficiency in heating mode up to -15°C

■ **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

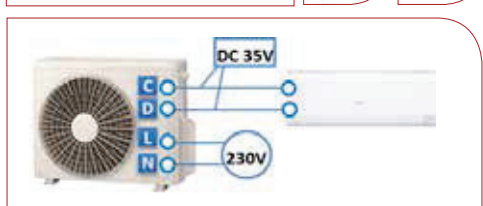


+43
-10



- BUILT-INCONDENSATE DRAIN PUMP
- COMPACT DESIGN
- FLEXIBILITY OF USE
- SEASONAL EFFICIENCY
- HEATING AT LOW TEMPERATURES
- 7-DAY TIMER
- LEAVE HOME
- INFO KEY
- CLEAN FEATURE

RAC 25-35-50 NPA





TECHNICAL SPECIFICATIONS

OUTDOOR UNIT	Unit of measurement	RAC-25NPA	RAC-35NPA	RAC-50NPA
Nominal Cooling Capacity (min - max)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (0.90 - 5.20)
Nominal Heating Capacity (min - max)	kW	3.50 (0.90 - 5.00)	4.80 (0.90 - 6.60)	6.50 (0.90 - 8.10)
Nominal Cooling Power Input (min - max)	kW	0.695 (0.155 - 1.050)	1.100 (0.155 - 1.280)	1.990 (0.155 - 2.200)
Nominal Heating Power Input (min - max)	kW	0.940 (0.155 - 1.400)	1.36 (0.115 - 1.920)	2.160 (0.155 - 2.700)
EER / COP		3.60 / 3.72	3.18 / 3.53	2.51 / 3.01
SEER		5.7	5.8	5.2
Cooling energy efficiency class		A+	A+	A
Cooling annual consumption	kWh / year	150	210	340
P design	kW	2.5	3.5	5.0
SCOP (average climate)		3.8	3.8	3.8
Heating energy efficiency class		A	A	A
Heating annual consumption	kWh / year	1000	1310	1540
P design	kW	2.7	3.6	4.2
Cooling sound pressure level	dB(A)	2.7	3.6	4.2
Heating sound pressure level	dB(A)	46	49	52
Sound power	dB(A)	65	65	65
Air flow rate (Cooling / Heating)	m ³ / h	- / -	- / -	- / -
Dimensions (H x L x D)	mm	570 x 750 x 280	570 x 750 x 280	650 x 850 x 298
Weight	kg	43	43	50
Power supply	V / Hz	AC 220 - 240V / 1ph / 50Hz	AC 220 - 240V / 1ph / 50Hz	AC 220 - 240V / 1ph / 50Hz
Starting current	A	4.20	4.20	10.00
Nominal current	A	3.20 - 2.93 / 4.30 - 3.96	4.94 - 4.72 / 6.04 - 5.77	9.20 - 8.40 / 10.60 - 9.70
Piping diameter (Liq / Gas)	inch.	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"
	mm	6.35 - 9.52	6.35 - 9.52	6.35 - 12.7
Min piping length	m	5	5	5
Piping length / Max lift	m	20 / 10	20 / 10	20 / 10
Amount of pre-charged refrigerant	kg	1.15	1.15	1.00
Max pre-charge length / Amount of additional refrigerant	m / g / m	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
Refrigerant		R410A	R410A	R410A
Compressor	type	TWIN ROTARY	TWIN ROTARY	TWIN ROTARY

INDOOR UNIT	Unit of measurement	RAI-25RPA	RAI-35RPA	RAI-50RPA
Cooling sound pressure (SL / L / M / H)	dB(A)	25 / 29 / 32 / 35	26 / 29 / 34 / 39	29 / 32 / 35 / 43
Heating sound pressure (SL / L / M / H)	dB(A)	27 / 30 / 33 / 36	29 / 32 / 36 / 40	30 / 32 / 36 / 43
Sound power	dB(A)	52	56	58
Cooling air flow rate (SL / L / M / H)	m ³ / h	330 / 348 / 420 / 510	330 / 348 / 480 / 648	330 / 348 / 480 / 720
Heating air flow rate (SL / L / M / H)	m ³ / h	330 / 348 / 420 / 510	330 / 348 / 480 / 648	330 / 348 / 480 / 720
Dehumidification	l / h	1.40	1.80	2.00
Condensate drain pump		included	included	included
Condensate drain pump head rise	mm	115	115	115
Dimensions (H x L x D)	mm	285 x 580 x 580	285 x 580 x 580	285 x 580 x 580
Weight	kg	20	20	20
Nominal current	A	3.20 / 4.40	5.10 / 6.20	9.10 / 9.90
Power supply	V	35 V DC from outdoor unit	35 V DC from outdoor unit	35 V DC from outdoor unit
Condensate drain diameter (ext)	mm	Ø 16 mm	Ø 16 mm	Ø 16 mm
Standard remote controller	type	Infra Red	Infra Red	Infra Red
	code	RAR - 5E2	RAR - 5E2	RAR - 5E2

PANEL	Unit of measurement	RAI-ECPP	RAI-ECPP	RAI-ECPP
Panel dimensions (H x L x D)	mm	32 x 650 x 650	32 x 650 x 650	32 x 650 x 650
Panel weight	kg	4	4	4
Panel colour (RAL)		RAL 9010	RAL 9010	RAL 9010

WIRED OPTIONAL REMOTE CONTROLLER	type	Wired controller	Wired controller	Wired controller
	code	SPX - RCDB	SPX - RCDB	SPX - RCDB