



Mono Split

Ductable RAD-RPA

PAM DC inverter Split Heat pump



RAD 25~35~50 RPA



- HEAD RISE SELECTOR:**
 depending on whether ductless or linear ducting (up to 4m) installation is opted for, fan head rise may be adjusted via a suitable selector on the electronic board
- OPTIMISED REFRIGERANT CONNECTIONS FOR CONVENIENT INSTALLATION:**
 the refrigerant connections are located at the rear of the unit to make installation easier. Ideal for above door installation!
- SEASONAL EFFICIENCY:**
 the air conditioner features good seasonal efficiency levels both in cooling and heating
- HEATING AT LOW TEMPERATURES:**
 guaranteed efficiency in heating mode up to -15°C
- OPTIONAL INFRA RED OR WIRED REMOTE CONTROLLER**
 The preferred type of controller may be selected (IR infra red or wired) on purchase. The IR controller includes a higher number of features.

- 7-DAY TIMER:**
 6 on/off settings for every day of the week, two storable programs (summer/winter). (*with IR controller only)
- 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! (*with IR controller only)
- INFO KEY:**
 room temperature reading, power consumption display, alarm signals (*with IR controller only)
- CLEAN FEATURE:**
 evaporator drying to prevent mould formation (*with IR controller only)

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.



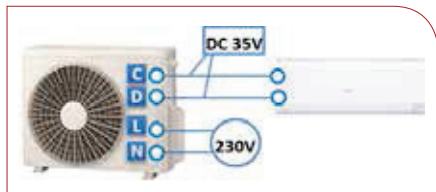
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- BUILT-IN CONDENSATE DRAIN PUMP
- HEAD RISE SELECTOR
- OPTIMISED REFRIGERANT CONNECTIONS FOR EASY INSTALLATION
- SEASONAL EFFICIENCY
- HEATING AT LOW TEMPERATURES
- OPTIONAL INFRA RED OR WIRED REMOTE CONTROLLER
- 7-DAY TIMER
- LEAVE HOME
- INFO KEY
- 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 (0.1550 - 1.280)	1.990 (0.155 - 2.200)
Nominal Heating Power Input (min - max)	kW	0.940 (0.155 - 1.400)	1.360 (0.115 - 1.920)	2.160 (0.155 - 2.700)
EER / COP		3.60 / 3.61	2.82 / 2.82	2.50 / 2.61
SEER		5.1	5.1	4.7
Cooling energy efficiency class		A	A	B
Cooling annual consumption	kWh / year	171	239	372
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	966	1272	1520
P design	kW	2.6	3.5	4.1
Cooling sound pressure level	dB(A)	46	47	50
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
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	RAD-25RPA	RAD-35RPA	RAD-50RPA
Cooling sound pressure (SL / L / M / H)	dB(A)	29 / 31 / 34 / 36	29 / 31 / 34 / 36	29 / 32 / 35 / 38
Heating sound pressure (SL / L / M / H)	dB(A)	27 / 30 / 33 / 37	27 / 30 / 33 / 37	29 / 32 / 35 / 38
Sound power	dB(A)	56	59	56
Cooling air flow rate (SL / L / M / H)	m ³ / h	330 / 372 / 438 / 492	330 / 372 / 456 / 510	330 / 372 / 456 / 510
Heating air flow rate (SL / L / M / H)	m ³ / h	330 / 372 / 450 / 552	330 / 372 / 456 / 558	330 / 372 / 456 / 558
Cool.-Heat. static pressure (L / M / H)*	Pa	25 / 28 / 34 - 26 / 29 / 36	26 / 29 / 36 - 26 / 29 / 39	26 / 29 / 36 - 26 / 29 / 39
Dehumidification	l / h	1.40	2.10	2.10
Condensate drain pump		included	included	included
Condensate drain pump lift	mm	300	300	300
Dimensions (H x L x D)	mm	235 x 750 x 400	235 x 750 x 400	235 x 750 x 400
Weight	kg	19	19	19
Nominal current	A	3.20 / 4.50	5.70 / 7.90	9.20 / 10.60
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	not included	not included	not included

OPTIONAL REMOTE CONTROLLER	type	Infra Red	Infra Red	Infra Red
	code	SPX - RCKA	SPX - RCKA	SPX - RCKA
OPTIONAL REMOTE CONTROLLER	type	Wired controller	Wired controller	Wired controller
	code	SPX - RCDA	SPX - RCDA	SPX - RCDA

* referred to a 4m duct, please refer to technical documentation for full details



Mono Split

Ductable RAD-PPA

PAM DC inverter Split Heat pump



RAD 50~60~70 PPA



- BUILT-IN CONDENSATE DRAIN PUMP
- HEAD RISE SELECTOR
- WASHABLE PREFILTER
- SEASONAL EFFICIENCY
- HEATING AT LOW TEMPERATURES
- OPTIONAL INFRA RED OR WIRED REMOTE CONTROLLER
- 7-DAY TIMER
- LEAVE HOME
- INFO KEY
- CLEAN FEATURE

- HEAD RISE SELECTOR:**
 depending on whether ductless or ducted installation is opted for, fan head rise may be adjusted via a suitable selector on the electronic board. Three static pressure levels (30 / 50 / 80 Pa) may be selected. Ideal for very long ducting!
- WASHABLE PREFILTER:**
 the unit is fitted with a complementary washable prefilter
- SEASONAL EFFICIENCY:**
 the air conditioner features good seasonal efficiency levels both in cooling and heating
- HEATING AT LOW TEMPERATURES:**
 guaranteed efficiency in heating mode up to -15°C
- OPTIONAL INFRA RED OR WIRED REMOTE CONTROLLER:**
 The preferred type of controller may be selected (IR infra red or wired) on purchase. The IR controller includes a higher number of features

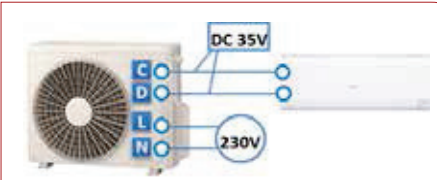
- 7-DAY TIMER:**
 6 on/off settings for every day of the week, two storable programs (summer/winter). (*with IR controller only)
- LEAVE HOME:**
 the feature lets you set a minimum hold temperature (10°C) in heating mode for the periods you are away either on holiday or business; up to 99 days may be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

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.



RAC 50~60~70 DPA





TECHNICAL SPECIFICATIONS

OUTDOOR UNIT	Unit of measurement	RAC-50DPA	RAC-60DPA	RAC-70DPA
Nominal Cooling Capacity (min - max)	kW	5.00 (0.90 - 6.00)	6.00 (0.90 - 7.00)	7.10 (0.90 - 8.00)
Nominal Heating Capacity (min - max)	kW	6.00 (0.90 - 7.00)	7.30 (0.90 - 8.00)	8.00 (0.90 - 9.00)
Nominal Cooling Power Input (min - max)	kW	1.40 (2.00 - 2.10)	1.87 (2.00 - 2.50)	2.53 (2.00 - 2.92)
Nominal Heating Power Input (min - max)	kW	1.59 (2.00 - 2.20)	2.13 (2.00 - 2.60)	2.34 (2.00 - 3.10)
EER / COP		3.57 / 3.77	3.21 / 3.43	2.81 / 3.42
SEER		5.4	5.1	5.1
Cooling energy efficiency class		A	A	A
Cooling annual consumption	kWh / year	325	411	481
P design	kW	5.0	6.0	7.1
SCOP (average climate)		3.8	3.8	3.8
Heating energy efficiency class		A	A	A
Heating annual consumption	kWh / year	1595	2007	1828
P design	kW	4.4	5.4	5.0
Cooling sound pressure level	dB(A)	4.4	5.4	5.0
Heating sound pressure level	dB(A)	50	51	55
Sound power	dB(A)	65	65	67
Air flow rate (Cooling / Heating)	m ³ / h	- / -	- / -	- / -
Dimensions (H x L x D)	mm	800 x 850 x 298	800 x 850 x 298	800 x 850 x 298
Weight	kg	65	65	60
Power supply	V / Hz	220 - 230V / 1Ph / 50Hz	220 - 230V / 1Ph / 50Hz	220 - 230V / 1Ph / 50Hz
Starting current	A	10.00	10.00	10.00
Nominal current	A	6.40 - 5.90 / 7.30 - 6.70	8.55 - 7.90 / 9.75 - 9.00	11.60 - 10.70 / 10.70 - 9.80
Piping diameter (Liq / Gas)	inch.	1/4" - 1/2"	1/4" - 1/2"	1/4" - 5/8"
	mm	6.35 - 12.70	6.35 - 12.70	6.35 - 15.88
Min piping length	m	5	5	5
Piping length / Max lift	m	30 / 20	30 / 20	30 / 20
Amount of pre-charged refrigerant	kg	1.80	1.80	2
Max pre-charge length / Amount of additional refrigerant	m / g / m	30 / -	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
Refrigerant		R410A	R410A	R410A
Compressor	type	TWIN ROTARY	TWIN ROTARY	TWIN ROTARY

INDOOR UNIT	Unit of measurement	RAD-50PPA	RAD-60PPA	RAD-70PPA
Cooling sound pressure (SL / L / M / H)	dB(A)	28 / 30 / 32 / 34	28 / 30 / 32 / 34	28 / 30 / 32 / 35
Heating sound pressure (SL / L / M / H)	dB(A)	29 / 31 / 33 / 35	29 / 31 / 33 / 35	29 / 31 / 33 / 36
Sound power	dB(A)	60	60	58
Cooling air flow rate (SL / L / M / H)	m ³ / h	618 / 660 / 780 / 900	618 / 660 / 780 / 900	618 / 660 / 780 / 960
Heating air flow rate (SL / L / M / H)	m ³ / h	618 / 660 / 780 / 900	618 / 660 / 780 / 900	618 / 660 / 780 / 960
Static pressure (SL / L / M / H)	Pa	- / 30 / 50 / 80	- / 30 / 50 / 80	- / 30 / 50 / 80
Dehumidification	l / h	2.80	2.80	2.80
Condensate drain pump		included	included	included
Condensate drain pump lift	mm	500	500	500
Dimensions (H x L x D)	mm	270 x 900 x 720	270 x 900 x 720	270 x 900 x 720
Weight	kg	35	35	35
Nominal current	A	6.4-5.9 / 7.3-6.7	8.55-7.90 / 9.75-9.00	11.60 / 10.70
Power supply	V	35V DC & 230V, 1Ph, 50Hz 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
Standard remote controller	type	not included	not included	not included

OPTIONAL REMOTE CONTROLLER	type	Infra Red	Infra Red	Infra Red
	code	SPX - RCKA	SPX - RCKA	SPX - RCKA
OPTIONAL REMOTE CONTROLLER	type	Wired controller	Wired controller	Wired controller
	code	SPX - RCDA	SPX - RCDA	SPX - RCDA