

airHome 800

2.5kW to 5kW (R32), Mono and multisplit



+ COMFORT DOWN TO -20° C

Indoor units



RAK-XJ25RHAE
RAK-XJ35RHAE
RAK-XJ50RHAE

Outdoor unit



RAC-XJ25WHAE
RAC-XJ35WHAE



RAC-XJ50WHAE

Compatible controls and accessories

Infrared wireless controller



New infrared control
Ref.: RC-BGH1FA0G
Included

Wired controller



Wired controller
airPoint Room H700
Ref.: SPX-URFG



H-Link gateway
Ref.: PSC 6RAD

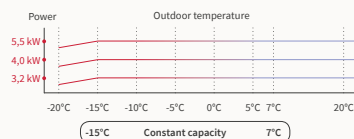
5 m extension cable for wired controller
(max. 2 extension cables/controller)
Ref.: SPX-WKT5M

Dry contact kit

Single dry contact kit
Ref.: SPX-WDC3

Failure report + operation information
Ref.: SPX-WDC8

- Constant Power technology:** rated capacity is maintained down to -15°C outside and provides heating down to -20°C.



+ EFFICIENCY

Indoor unit

- FrostWash⁽¹⁾ 3.0 technology:** self-cleaning of Indoor unit heat exchanger.



- Mold Guard 2.0 function:** Using a humidity and temperature sensor, the air conditioner determines when it is necessary to heat the Indoor unit heat exchanger to prevent mold and odor growth.

Outdoor unit

- FrostWash Outdoor unit technology:** self-cleaning of the Outdoor unit heat exchanger.
- DuraSpin:** airflow from the fan is directed to the Outdoor unit condenser, cleaning it of dirt and dust.



+ COMFORT AT HAND

- Always with you with the airCloud Go app.
- Wi-Fi as standard.
- Smart Geo Fence geolocation function.



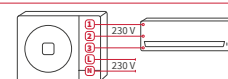
⁽¹⁾ Tests performed by Kitasato Research Environmental Science (test no. 2020-0650).

airHome 800

Model	Unit	2,5kW	3,5kW	5,0kW
Cooling Performance				
Nominal cooling capacity (min-max)	kW	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	5,00 (1,90 - 5,20)
Nominal cooling power input (min-max)	kW	0,481 (0,25 - 1,00)	0,814 (0,25 - 1,40)	1,429 (0,50 - 2,10)
EER	-	5,20	4,30	3,50
Energy class Cooling	-	A+++		A++
SEER (average climate)	-	9,50	9,00	7,60
Operating range	°C	-10°C / + 46°C		
Heating Performance				
Nominal heating capacity (min-max)	kW	3,20 (0,90 - 4,40)	4,00 (0,90 - 5,00)	6,00 (2,20 - 7,30)
Nominal heating power input (min-max)	kW	0,593 (0,25 - 1,20)	0,800 (0,25 - 1,60)	1,463 (0,50 - 2,70)
COP	-	5,40	5,00	4,10
Energy class Heating	-	A+++		A++
SCOP (average climate)	-	5,20		4,70
Operating range	°C	-20°C / + 21°C		
Indoor units				
	Unit	RAK-XJ25RHAE	RAK-XJ35RHAE	RAK-XJ50RHAE
Sound pressure Cooling, (SL/L/M/H) ⁽¹⁾	dB(A)	21 / 27 / 33 / 40 / 43	21 / 29 / 34 / 41 / 44	25 / 31 / 38 / 43 / 46
Sound pressure Heating (SL/L/M/H) ⁽²⁾	dB(A)	21 / 28 / 34 / 40 / 44	21 / 29 / 35 / 41 / 45	25 / 31 / 39 / 44 / 48
Sound power Cooling	dB(A)	57	58	60
Cooling Air Flow Rate (SL/L/M/H)	m³/h	230 / 300 / 420 / 590 / 680	230 / 325 / 485 / 650 / 720	260 / 350 / 510 / 680 / 740
Dehumidification	l/h	1,4	1,6	2
Dimensions (H x W x D)	mm	294 x 950 x 230		
Net weight	kg	11		
Controller	-	Infrared (included)		
Outdoor unit				
	Unit	RAC-XJ25WHAE	RAC-XJ35WHAE	RAC-XJ50WHAE
Sound pressure Cooling ⁽¹⁾	dB(A)	47	48	51
Sound power Cooling	dB(A)	61	62	65
Air flow rate (Cooling / Heating)	m³/h	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (H x W x D)	mm	600 x 792 x 299		736 x 800 x 350
Net weight	kg	35,8		51
Compressor	-	Rotary		Twin Rotary
Refrigerant cycle				
Piping diameter (Liq / gas)	inches	1/4" / 3/8"		1/4" / 1/2"
Initial charge of refrigerant	kg	1,03		1,3
Pre-loaded for	m	20		30
Min. piping length	m	3		
Max. piping length	m	20		30
Max difference in height (OU above/ below)	m	10 / 10		
Refrigerant	-	R32		
Electrical data				
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz		
Operating current (Cooling / Heating)	A	1,09 - 4,35 / 1,09 - 5,22	1,09 - 6,09 / 1,09 - 6,96	2,17 - 9,13 / 2,17 - 11,74

⁽²⁾ Sound pressure measurements were made at 1 meter from the Unit in free field (see technical catalog).

Indoor units are powered by 220-230 V directly from the OU.



airHome 600

2.5 kW to 7 kW, Mono and multisplit



4 STAGES OF FILTRATION

- AQtiv ionizer integrated as standard in the Unit
- 3 different air filtration technologies included as standard:
 - Virosense Z1 Filter
 - FrostWash: self-cleaning of the heat exchanger
 - Mold Guard: prevents the formation of mold

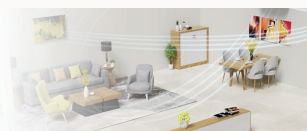
Eliminates up to 99.9%⁽¹⁾ of pollutants



EFFICIENCY

Energy saving and comfort

- **Motion sensor:** detects the presence or absence of people in the rooms and adjusts the operation of the air conditioner accordingly.
- **4 way Swing function:** Uniform air distribution throughout the room.

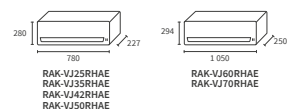


COMFORT AT HAND

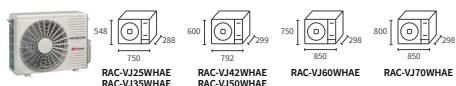
- Via the airCloud Go app.
- Wi-fi as standard.
- Smart Geo Fence geolocation function.



Indoor units



Outdoor unit



Compatible controls and accessories

Infrared wireless controller

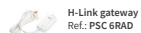


New Infrared control
Ref.: RC-AGS1EA0E
Included

Wired controller



Wired controller
airPoint Room H700
Ref.: SPX-URFG



H-Link gateway
Ref.: PSC 6RAD

5 m extension cable for wired controller
(max. 2 extension cables/controller)
Ref.: SPX-WKT5MS

Dry contact kit

Single dry contact kit
Ref.: SPX-WDC3

Failure report + operation information
Ref.: SPX-WDC8

Other accessories

Virosense Z1 filter
Ref.: SPX-VS21
Included

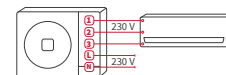
⁽¹⁾ Tests conducted by Kitasato Research Environmental Science (test No. 2020-0650).
Tests conducted by Japan Textile Product Quality and Technology Center according to ISO 18184:2019 and Nissenken Quality Evaluation Center according to JIS L1902:2015.
Tests conducted by Institute of Tokyo Environmental Allergy (test No. 11M-RPTJUN025; 11M-RPTMAV043 and 11M-RPTJUN031).
Viable Ltd. according to method JIS-L-1902 (test No. REPO0864); Nara Medical University, Boken Quality Evaluation according to method JIS Z 2801 (test No. 028669) and by atkinKi Bunseki Center, Ltd. (test No. 2011-061015, 071127).

airHome 600

Model	Unit	2,0kW	2,5kW	3,5kW	4,2kW	5,0kW	6,0kW	7,0kW
Cooling Performance								
Nominal cooling capacity (min-max)	kW	2,00 (0,90 - 2,50)	2,50 (0,90 - 3,10)	3,50 (0,90 - 4,00)	4,20 (1,70 - 5,00)	5,00 (1,90 - 5,20)	6,00 (1,75 - 6,80)	7,00 (1,75 - 7,50)
Nominal cooling power input (min-max)	kW	0,419 (0,25 - 1,01)	0,549 (0,25 - 1,29)	0,875 (0,25 - 1,46)	1,120 (0,30 - 1,70)	1,471 (0,30 - 2,10)	1,714 (0,5 - 3,05)	2,160 (0,5 - 3,50)
EER	-	4,77	4,55	4,00	3,75	3,40	3,50	3,24
Energy class Cooling	-	-	A+++	-	-	A++	-	-
SEER (average climate)	-	-	8,50	-	7,50	7,35	-	7,00
Operating range	°C	-10°C / + 46°C			-15°C / + 46°C		-15°C / + 46°C	
Heating Performance								
Nominal heating capacity (min-max)	kW	2,50 (0,90 - 3,20)	3,40 (0,90 - 4,40)	4,20 (0,90 - 5,00)	5,40 (1,7 - 6,00)	6,00 (2,2 - 7,30)	7,00 (1,75 - 7,80)	8,00 (1,90 - 8,30)
Nominal heating power input (min-max)	kW	0,519 (0,25 - 0,97)	0,733 (0,25 - 1,50)	1,000 (0,25 - 1,70)	1,317 (0,50 - 2,10)	1,558 (0,50 - 2,75)	1,842 (0,5 - 3,05)	2,150 (0,5 - 3,50)
COP	-	4,82	4,64	4,20	4,10	3,85	3,80	3,72
Energy class Heating	-	-	-	-	A++	-	-	-
SCOP (average climate)	-	-	4,90	-	-	-	4,60	-
Operating range	°C	-15°C / + 21°C			-15°C / + 24°C		-15°C / + 24°C	
Indoor units								
Unit	RAK-VJ18RHAE	RAK-VJ25RHAE	RAK-VJ35RHAE	RAK-VJ42RHAE	RAK-VJ50RHAE	RAK-VJ60RHAE	RAK-VJ70RHAE	
Sound pressure Cooling: (SL/L/M/H) ⁽¹⁾	dB(A)	21/24/33/35/37	22/24/33/38/40	25/26/36/41/43	25/28/39/44/46	32/36/42/45/47	32/36/42/45/48	32/36/42/45/48
Sound pressure Heating (SL/L/M/H) ⁽²⁾	dB(A)	19/22/33/36/38	20/23/34/39/41	26/27/36/42/44	27/31/39/44/46	27/31/39/44/46	32/36/42/45/47	32/36/42/45/48
Sound power Cooling	dB(A)	51	54	57	60	60	63	63
Air flow rate Cooling (SL/L/M/H)	m³/h	206/240/330/390/500	210/260/340/440/550	210/260/400/500/680	230/300/420/560/720	230/300/420/560/750	545/680/800/925/1050	573/680/830/950/1080
Dehumidification	l/h	1,2	1,4	1,6	1,8	2	2,8	4,8
Dimensions (H x W x D)	mm	280 x 780 x 227			294 x 1050 x 250		294 x 1050 x 250	
Net weight	kg	8,6			8,8		12,5	
Controller	-	Infrared (Included)			Infrared (Included)		Infrared (Included)	
Outdoor unit								
Unit	RAC-VJ18WHAE	RAC-VJ25WHAE	RAC-VJ35WHAE	RAC-VJ42WHAE	RAC-VJ50WHAE	RAC-VJ60WHAE	RAC-VJ70WHAE	
Sound pressure Cooling: ⁽³⁾	dB(A)	44	46	48	49	53	54	
Sound power Cooling	dB(A)	58	60	61	63	65	67	
Air flow rate (Cooling / Heating)	m³/h	1860 / 1620		1920 / 1620		2160 / 2160		2700 / 2700
Dimensions (H x W x D)	mm	548 x 750 x 288			600 x 792 x 299		750 x 850 x 298	
Net weight	kg	31,6			39,5		48	
Compressor	-	Rotary			Twin Rotary		Rotary	
Refrigerant cycle								
Piping diameter (Liq / gas)	inches	1/4" / 3/8"			1/4" / 1/2"		1/4" / 5/8"	
Initial charge of refrigerant	kg	0,870			1,050		1,5	
Pre-loaded for	m	20			3		30	
Min. piping length	m	20			3		30	
Max. piping length	m	20			3		30	
Max difference in height (OU above/ below)	m	10 / 10			20 / 20		20 / 20	
Refrigerant	-	R32			R32		R32	
Electrical data								
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz			230V / 1Ph / 50Hz		230V / 1Ph / 50Hz	

⁽²⁾ Sound pressure measurements were made at 1 meter from the Unit in free field (see technical catalog).

Indoor units are powered at 220-230 V via OU



airHome 400

2.5kW to 7kW (R32), Mono and multisplit



+ INDOOR AIR QUALITY

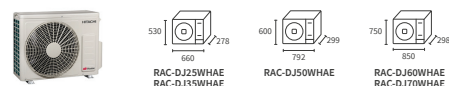
Virosense Z1 zinc pyrithione filter as standard.

99%
Of viruses and bacteria
eliminated⁽¹⁾

Indoor units



Outdoor unit



Compatible controls and accessories

Infrared wireless controller

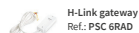


New Infrared control
Ref.: RC-AGU1EA0G
Included

Wired controller



Wired controller
airPoint Room H700
Ref.: SPX-URFG



H-Link gateway
Ref.: PSC 6RAD

5 m extension cable for wired controller
(max. 2 extension cables/controller)
Ref.: SPX-WKT5MS

Dry contact kit

Single dry contact kit
Ref.: SPX-WDC3

Other accessories

Virosense virus filter Z1
Ref.: SPX-VSZ1
Included

⁽¹⁾ Tests performed by Japan Textile Product Quality and Technology Center in accordance with ISO 18184:2019 and by Nissenken Quality Evaluation Center in accordance with JIS L1902:2015.

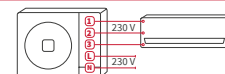
⁽²⁾ Tests performed by Kitasato Research Environmental Science (test No. 2020-0650).

airHome 400

Model	Unit	2,0kW	2,5kW	3,5kW	5,0kW	6,0kW	7,0kW
Cooling Performance							
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)	6,00 (1,75 - 6,80)	7,10 (1,75 - 7,50)
Nominal cooling power input (min-max)	kW	0,58 (0,25 - 1,01)	0,70 (0,25 - 1,29)	1,08 (0,25 - 1,46)	1,55 (0,50 - 2,10)	1,81 (0,50 - 3,05)	2,63 (0,50 - 3,15)
EER	-	3,45	3,57		3,23	3,31	2,70
Energy class Cooling	-			A++			
SEER (average climate)	-		7,5		7,0	6,80	6,20
Operating range	°C		-10°C / + 46°C			-15°C / + 46°C	
Heating Performance							
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)	7,00 (1,75 - 7,80)	8,10 (1,75 - 8,30)
Nominal heating power input (min-max)	kW	0,6 (0,25 - 0,97)	0,93 (0,25 - 1,25)	1,05 (0,25 - 1,70)	1,62 (0,50 - 2,75)	2,00 (0,50 - 3,05)	2,61 (0,50 - 3,05)
COP	-	4,20	3,65	4,00	3,71	3,50	3,10
Energy class Heating	-		A++			A+	
SCOP (average climate)	-		4,60		4,50	4,10	4,00
Operating range	°C		-15°C / + 21°C			-15°C / + 21°C	
Indoor units							
Unit		RAK-DJ18RHAE	RAK-DJ25RHAE	RAK-DJ35RHAE	RAK-DJ50RHAE	RAK-DJ60RHAE	RAK-DJ70RHAE
Nominal pressure Cooling (SL/L/M/H) ⁽²⁾	dB(A)	20 / 24 / 29 / 33 / 37	20 / 24 / 30 / 36 / 40	20 / 27 / 35 / 39 / 43	28 / 33 / 38 / 42 / 46	30 / 33 / 42 / 45 / 48	30 / 36 / 42 / 45 / 48
Sound pressure Heating (SL/L/M/H) ⁽²⁾	dB(A)	20 / 24 / 30 / 34 / 38	20 / 25 / 31 / 36 / 41	20 / 28 / 36 / 40 / 44	25 / 31 / 37 / 42 / 47	30 / 33 / 42 / 45 / 48	30 / 36 / 42 / 45 / 48
Sound power to Cooling	dB(A)	51	54	57	60	62	62
Cooling Air Flow Rate (SL/L/M/H)	m³/h	204 / 255 / 384 / 431 / 545	204 / 255 / 394 / 513 / 620	204 / 302 / 446 / 608 / 653	265 / 360 / 528 / 608 / 663	360 / 510 / 700 / 940 / 1000	
Dehumidification	l/h	1,2	1,4	1,6	2	2,8	4,8
Dimensions (H x W x D)	mm			280 x 780 x 222		294 x 950 x 230	
Net weight	kg		7,7		8,4	10,5	
Controller	-			Infrared (Included)			
Outdoor unit							
Unit		RAC-DJ18WHAE	RAC-DJ25WHAE	RAC-DJ35WHAE	RAC-DJ50WHAE	RAC-DJ60WHAE	RAC-DJ70WHAE
Sound pressure Cooling ⁽¹⁾	dB(A)	45	47	48	50	53	54
Sound power Cooling	dB(A)	59	61	62	64	64	67
Air flow rate (Cooling / Heating)	m³/h		1860 / 1620		2160 / 2160		2700 / 2700
Dimensions (H x W x D)	mm		530 x 660 x 278		600 x 792 x 299		750 x 850 x 298
Net weight	kg		23	24,4	39,1		48
Compressor	-		Rotary		Twin Rotary		Rotary
Refrigerant cycle							
Piping diameter (Liq / gas)	inches		1/4" / 3/8"			1/4" / 1/2"	1/4" / 5/8"
Initial charge of refrigerant	kg	0,58		0,72	0,93	1,5	1,5
Pre-loaded for	m		20				30
Min. piping length	m		3				3
Max. piping length	m		20				30
Max difference in height (OU above / below)	m		10 / 10				20 / 20
Refrigerant	-				R32		
Electrical data							
Power supply	V/Ph/Hz				230V / 1Ph / 50Hz		

⁽²⁾ Sound pressure measurements were made at 1 meter from the Unit in free-field (see technical catalog).

Indoor units are
powered by
220-230 V via OU



+ COMFORT AT HAND

- Command wherever you are via airCloud Go APP.
- Wi-fi Included.
- Unique Smart Geo Fence geolocation function.

