

# airHome 800

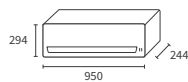
## HeatForce

2.5 to 5.0 kW (R32), Single-split and Multi-splits



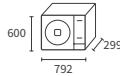
**+** OF COMFORT UP TO **-20°C**

### Indoor units

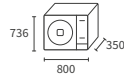


RAK-XJ25RHBE(G)  
RAK-XJ35RHBE(G)  
RAK-XJ50RHBE(G)

### Outdoor units



RAC-XJ25WHBE  
RAC-XJ35WHBE



RAC-XJ50WHBE

## Compatible controls and accessories

### Infrared controls



Standard infrared remote control  
Ref.: RC-BGH1FA0G  
Included

### Wired controls



Programmable wired remote control  
(color screen)  
Ref.: SPX-URFG1



Simplified wired remote control  
Ref.: SPX-RCDB1



H-link box  
Ref.: PSC-6RAD



5 m shielded standard  
cable  
Ref.: SPX-WKT5MS

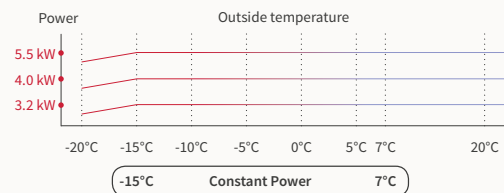
5 m extension cable for wired remote controls  
(max. 2 extension cables)  
Ref.: SPX-WKT5M

### External controls

Dry contact ON/OFF cable  
Ref.: SPX-WDC3

Error reporting interface  
+ operating status  
Ref.: SPX-WDC3

• **Constant Power technology:** maintaining heating power up to **-15°C** outdoors and heating provided up to **-20°C**.



**+** APPRAISAL

### Indoor unit

• **FrostWash technology<sup>(1)</sup> 3.0:** self-cleaning of the indoor unit heat exchanger.



Heating



Frosting



Defrosting

• **Mold Guard 2.0 function:** With the help of a humidity and temperature sensor, the unit detects the risk of mold in the heat exchanger and automatically triggers drying to reduce internal humidity (<30%) and protect it from mold.

### Outdoor unit

• **FrostWash outdoor unit technology:** self-cleaning of the heat exchanger on the outdoor unit.

• **DuraSpin:** In cooling mode, the fan rotates in reverse to remove accumulated dust.



**+** COMFORT AT YOUR FINGERTIPS

- Connected as standard via the airCloud Go app.
- Wi-Fi box included in the unit.
- Unique geotagging feature.



<sup>(1)</sup> Tests conducted by Kitasato Research Environmental Science (test no. 2020-0650)

Models	Unit	2.5 kW	3.5 kW	5.0 kW
<b>Performance, cooling</b>				
Nominal power (min. - max.)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Nominal power consumption (min. - max.)	kW	0.48 (0.25 - 1.00)	0.81 (0.25 - 1.40)	1.43 (0.50 - 2.10)
EER	-	5.20	4.30	3.50
Energy class (D to A+++)	-	A+++		A++
<b>SEER (average climate)</b>	-	<b>9.50</b>	<b>9.00</b>	<b>7.60</b>
Operating range	°C	-10°C/+46°C		
<b>Performance, heating</b>				
Nominal power (min. - max.)	kW	3.20 (0.90 - 4.40)	4.00 (0.90 - 5.00)	6.00 (2.20 - 7.30)
Nominal power consumption (min. - max.)	kW	0.59 (0.25 - 1.20)	0.80 (0.25 - 1.60)	1.46 (0.50 - 2.70)
Full load capacity at -7°C without defrosting <sup>(1)</sup>	kW	3.60	4.60	5.80
Full load capacity at -7°C with defrosting <sup>(1)</sup>	kW	3.20	4.00	5.00
COP	-	5.40	5.00	4.10
Energy class (D to A+++)	-	A+++		A++
<b>SCOP (average climate)</b>	-	<b>5.20</b>		<b>4.70</b>
Operating range	°C	-20°C / + 21°C		
<b>Indoor units</b>	<b>Unit</b>	<b>RAK-XJ25RHBE</b>	<b>RAK-XJ35RHBE</b>	<b>RAK-XJ50RHBE</b>
	White			
	Gray	<b>RAK-XJ25RHBE G</b>	<b>RAK-XJ35RHBE G</b>	<b>RAK-XJ50RHBE G</b>
Sound pressure in Cooling mode (very low/low/medium/high/very high speed) <sup>(2)</sup>	dB(A)	21/27/33/40/43	21/29/34/41/44	25/31/38/43/46
Sound pressure in Heating mode (very low/low/medium/high/very high speed) <sup>(2)</sup>	dB(A)	21/28/34/40/44	21/29/35/41/45	25/31/39/44/48
Sound power	dB(A)	57	58	60
Airflow in Cooling mode (very low/low/medium/high speed)	m <sup>3</sup> /h	230/300/420/590/680	230/325/485/650/720	260/350/510/680/740
Airflow in Heating mode (very low/low/medium/high speed)	m <sup>3</sup> /h	290/390/530/700/780	290/430/605/750/860	355/470/665/820/940
Dehumidification	l/h	1.4	1.6	2.0
Dimensions (HxWxD)	mm	294 x 950 x 244		
Net weight	kg	11.5		
Remote control	-	RC-BGH1FA0G (included)		
<b>Outdoor units</b>	<b>Unit</b>	<b>RAC-XJ25WHBE</b>	<b>RAC-XJ35WHBE</b>	<b>RAC-XJ50WHBE</b>
Sound pressure Cooling <sup>(2)</sup>	dB(A)	47	48	51
Sound pressure Heating <sup>(2)</sup>	dB(A)	48	50	51
Sound power	dB(A)	61	62	65
Airflow (Cooling/Heating)	m <sup>3</sup> /h	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (HxWxD)	mm	600 x 792 (877) <sup>(3)</sup> x 299		736 x 800 (890.5) <sup>(3)</sup> x 350
Net weight	kg	35.8		51.0
Compressor	-	Rotary		2-cylinder rotary
<b>Cooling properties</b>		<b>Subject to the DESP, category II</b>		
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"
Condensate pipe diameter (out)	mm	16		
Initial refrigerant fill	kg	1.03		1.30
Preloaded for	m	20		30
Minimum length	m	3		
Max. length	m	20		30
Max. drop (outdoor unit top/bottom)	m	10/10		
Refrigerant	-	R32		
<b>Electrical features</b>				
Power supply	V/Ph/Hz	230V/1Ph/50Hz		
Operating current (Cooling/Heating)	A	4.35 / 5.22	6.09 / 6.96	9.13 / 11.74
Cable section	mm <sup>2</sup>	1.50 x 2 + GROUND		2.50 x 2 + GROUND
Indoor/outdoor connection (protected)	mm <sup>2</sup>	1.50 x 3 + GROUND		

<sup>(1)</sup> Consult our technical catalogs to find the data relevant to your project.  
<sup>(2)</sup> Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).  
<sup>(3)</sup> Dimensions with refrigeration connection.

**Retail price per unit excluding taxes**

Indoor unit (Infrared remote control included)	RAK-XJ25RHBE(G)	RAK-XJ35RHBE(G)	RAK-XJ50RHBE(G)
Outdoor unit	RAC-XJ25WHBE	RAC-XJ35WHBE	RAC-XJ50WHBE
<b>Price for the entire Indoor + Outdoor unit</b>			

Indoor units are powered at 220-230 V from the outdoor unit.