

airHome 800

HeatForce

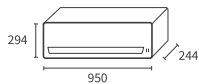
NEW

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



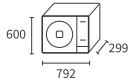
+ OF COMFORT UP TO **-20°C**

Indoor units

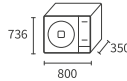


RAK-XJ25RHBE(G)
RAK-XJ35RHBE(G)
RAK-XJ50RHBE(G)

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

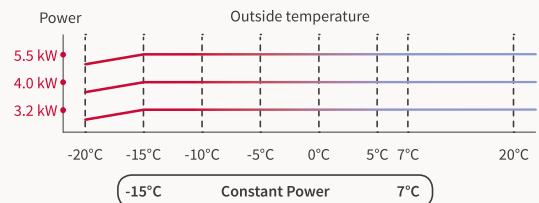
5 m extension cable for wired remote controls
(max. 2 extension cables)
Ref.: SPX-WKT5M

External controls

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

Error reporting interface
+ operating status
Ref.: SPX-WDC8

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



+ APPRAISAL

Indoor unit

- **FrostWash technology⁽¹⁾ 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.



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

| Models | Unit | 2.5 kW | 3.5 kW | 5.0 kW |
|---|------|--------------------|--------------------|--------------------|
| Performance, cooling | | | | |
| 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++ |
| SEER (average climate) | - | 9.50 | 9.00 | 7.60 |
| Operating range | °C | -10°C/+46°C | | |

| | | | | |
|--|----|--------------------|--------------------|--------------------|
| Performance, heating | | | | |
| 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 ⁽¹⁾ | kW | 3.60 | 4.60 | 5.80 |
| Full load capacity at -7°C with defrosting ⁽¹⁾ | kW | 3.20 | 4.00 | 5.00 |
| COP | - | 5.40 | 5.00 | 4.10 |
| Energy class (D to A+++) | - | A+++ | | A++ |
| SCOP (average climate) | - | 5.20 | | 4.70 |
| Operating range | °C | -20°C / + 21°C | | |

| Indoor units | White | Unit | RAK-XJ25RHBE | RAK-XJ35RHBE | RAK-XJ50RHBE |
|--|-------|-------|------------------------|---------------------|---------------------|
| | Gray | | RAK-XJ25RHBE G | RAK-XJ35RHBE G | RAK-XJ50RHBE G |
| Sound pressure in Cooling mode (very low/low/medium/high/very high speed) ⁽²⁾ | | 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) ⁽²⁾ | | 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) | | m³/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) | | m³/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) | | |

| Outdoor units | Unit | RAC-XJ25WHBE | RAC-XJ35WHBE | RAC-XJ50WHBE |
|---------------------------------------|-------|--------------------------------------|--------------|--|
| Sound pressure Cooling ⁽²⁾ | dB(A) | 47 | 48 | 51 |
| Sound pressure Heating ⁽²⁾ | dB(A) | 48 | 50 | 51 |
| Sound power | dB(A) | 61 | 62 | 65 |
| Airflow (Cooling/Heating) | m³/h | 1860 / 1620 | 1920 / 1620 | 2160 / 2160 |
| Dimensions (HxWxD) | mm | 600 x 792 (877) ⁽³⁾ x 299 | | 736 x 800 (890.5) ⁽³⁾ x 350 |
| Net weight | kg | 35.8 | | |
| Compressor | - | Rotary | | |
| | | 2-cylinder rotary | | |

| Cooling properties | | Subject to the DESP, category II | | |
|-------------------------------------|--------|----------------------------------|---|-------------|
| 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 | | |

| Electrical features | | | | |
|---------------------------------------|---------|-------------------|-------------|-------------------|
| 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 | mm² | 1.50 x 2 + GROUND | | 2.50 x 2 + GROUND |
| Indoor/outdoor connection (protected) | mm² | 1.50 x 3 + GROUND | | |

⁽¹⁾ Consult our technical catalogs to find the data relevant to your project.
⁽²⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).
⁽³⁾ 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) |
| | RAC-XJ25WHBE | RAC-XJ35WHBE | RAC-XJ50WHBE |
| Price for the entire Indoor + Outdoor unit | | | |

