

SAMSUNG



# Airise

WindFree with built-in Wi-Fi



Air conditioning with purification for your home



Image for illustrative purposes only.

# Advanced cooling



Image for illustrative purposes only.

## More than a trusted air conditioning solution

Home is a place full of special moments and wonderful memories where we live and grow in our unique ways. At Samsung, we imagine innovative ways to improve how your home functions – to help give you more quality time to enjoy life.

Samsung air conditioners have been designed with the same passion for innovation and quality that has helped make Samsung one of the world's top electronics producers and one of the Interbrand 2021 Best Global Brands.<sup>1</sup>

<sup>1</sup>Source: Interbrand Best Global Brands 2021 rankings.

Samsung air conditioning systems are held in high esteem around the world and have been selected for a multitude of developments including apartments, housing, shopping centres, airports, stadiums and hotels. Samsung continues to invest heavily in R&D, performance testing and quality control to deliver quality air conditioning systems to market.





## Control your climate with intelligent Samsung technology

The Samsung WindFree™ split air conditioning system is designed to offer intelligent airflow control. It helps you maintain your comfort level, providing efficiency and reliability to deliver amazing performances.

### Tri-Care Purification

Each WindFree™ air conditioning unit includes 2 tri-care filters to extract fine dust and eliminates certain bacteria and allergens<sup>2</sup>.

<sup>2</sup>Tested by Korea test lab for anti bacteria & virus, Japan test lab for anti allergy. Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use.

### Reliable performance

Reliability often is a key factor when choosing an air conditioning system. Samsung air conditioners offer robust design and reliability to help ensure consistent performance.

# Why choose Samsung for your air conditioning needs?

## 1. We create innovative technology to help you do the impossible

### Windfree™ Cooling

WindFree™ Cooling is designed to cool down fast with Fast Cooling Mode. When the desired temperature is reached the air conditioning vent closes and the temperature is maintained through the thousands of air holes. The WindFree™ Technology helps maintain the cool air quietly to give you convenience and comfort of ducted technology but with a split system.



### A.I. Cooling

Experience an intelligent way of living with AI Auto Cooling.<sup>3</sup> To help make life simple and efficient, it can automatically optimise the various modes by analysing the room conditions and your usage patterns.<sup>4</sup> Based on your preferred temperature and the outside temperature, it automatically switches to the most appropriate mode, including Wind-Free™, Fast and Normal Cooling, to help you to maintain the optimal room conditions and to help keep you feeling comfortable.

<sup>3</sup>Wi-Fi enabled control requires a wireless router. Internet connection required, data charges may apply. <sup>4</sup>Stores user data, and usage pattern to suggest the most suitable setting option.







Image for illustrative purposes only.

## 2. Our air conditioners are intelligent and progressive

Built-in Wi-Fi, no additional accessories needed<sup>5</sup>

Intelligently connect and control to help ensure your home is comfortable and ready before you arrive using the SmartThings App. This technology is built-in to the air conditioning unit.

<sup>5</sup>Each SmartThings compatible device requires a network connection. Feature performance may vary based on distance and network quality. All devices should be registered with a single Samsung Account. Compatible devices and available features depend on country, region and carrier. Check compatible devices and available features at <https://www.samsung.com/au/apps/smartthings/#search> or in the SmartThings app. A Wi-Fi connection and compatible phone is required.



### Whisper Quiet with WindFree™ Good Sleep

The WindFree™ Good Sleep mode can help you to create the ideal sanctuary for sleeping – without an unpleasant cold air flow or uncomfortable draught. Its temperature control with WindFree™<sup>6</sup> Cooling can help you to set the environment for a deep, comfortable sleep to wake up feeling fully refreshed.

<sup>6</sup>Creates a 'Still Air' environment. ASHRAE defines "Still Air" as air currents at speeds below 0.15m/s which lacks the presence of cold drafts. The device provides cooling at or below this speed in WindFree Cooling mode.



### 3. Purifies the air to help ensure a hygienic home

#### Tri-Care Filters accredited by Sensitive Choice<sup>7</sup>

Support air hygiene and help to maintain the performance of the Heat Exchanger with a Tri-Care Filter. Its three layers include a high-density filter that is designed to help extract large dust particles, fibres and even animal hairs. It also has a Zeolite Coating Filter that is designed to help capture fine dust, and reduce certain potentially dangerous viruses, bacteria and allergens.<sup>1</sup>

<sup>7</sup>Sensitive Choice approved for its anti-microbial and anti-bacterial features only. <sup>6</sup>Tested by Korea test lab for anti-bacteria & virus, Japan test lab for anti-allergy. Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use.

#### Hygienic self-cleaning filter system with Freeze Wash

Support consistent performance with the push of a button. Freeze Wash quickly freezes the Heat Exchanger and then defrosts the ice. It removes 90% of certain micro-organisms.<sup>7</sup> Finally, it dries up any moisture left. And it alerts you when it is time for a clean.<sup>8</sup>

<sup>8</sup>Tested by Intertek. Freeze Wash course can remove 90% of the *Staphylococcus aureus* ATCC 6538 and *Escherichia coli* ATCC 8739 bacteria on the surface of heat exchanger. Some Windfree model may not be able to use Freeze Wash feature.

<sup>9</sup>Only available on certain models that have Wi-Fi connectivity





## Auto Clean (3 Steps)

Keep the inside your air conditioner hygienic with minimal involvement. After it has been working, the Auto Clean function automatically dries the Heat Exchanger using a 3-step process. It removes moisture by blowing air for between 10 to 30 minutes. So it prevents the build-up of bacteria and odours.

\*Image simulated for illustrative purposes only

## 4. One solution, all year round



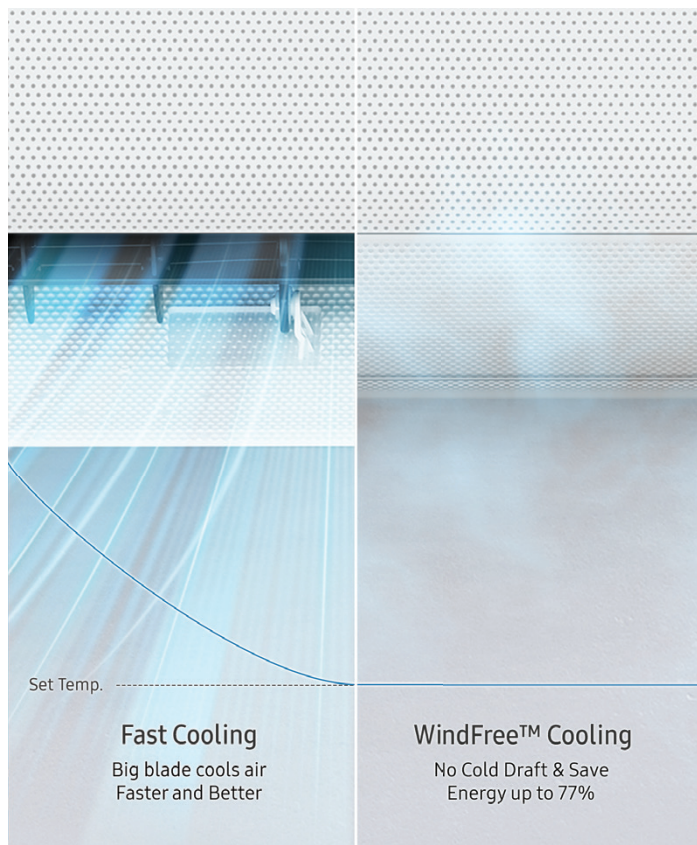
### Designed to cool faster, wider and further on the hot summer days

Cool rooms quickly from across the space, so you're always comfortable. Digital Inverter Boost technology cools the air 43% faster<sup>10</sup>. Its advanced design also has a 15% larger fan, 18% wider inlet and a 31% wider blade. So cool air is dispersed farther and wider<sup>2</sup>, reaching up to 15 meters cover larger room sizes.

<sup>10</sup>Tested on the AR12TXCAAWKEU model compared with the Samsung conventional model AQ12EASER. <sup>2</sup>Tested on the AR24TXCAWKNEU model.

### In the wet, humid days stay cool and dry with Dehumidification mode

Perfect for those hot, humid times when everything is sticky and unbearable, simply put the air conditioning unit in Dehumidification mode to help reduce moisture in the air, and circulate dry air throughout the room.



#### Fast Cooling

Big blade cools air  
Faster and Better

#### WindFree™ Cooling

No Cold Draft & Save  
Energy up to 77%

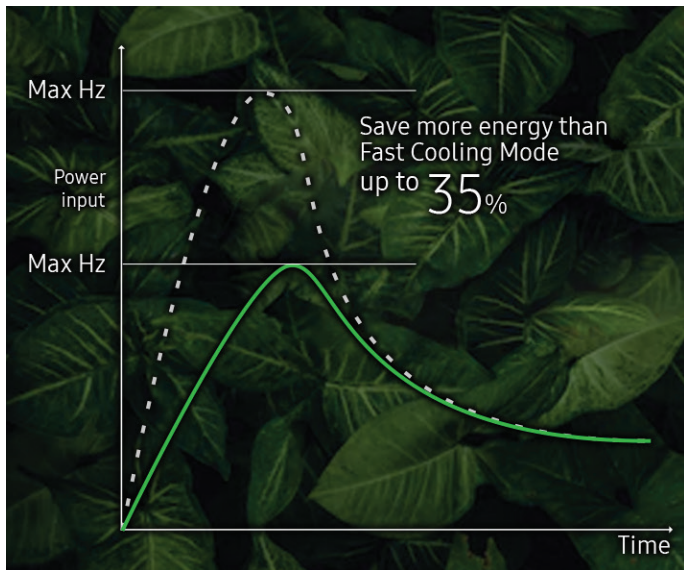


## Warm air to every corner of your room with fast heating

The outdoor unit is equipped with a base heater that prevents it from becoming frozen, and has additional drain hole to improve the drainage of any melted water so even at  $-25^{\circ}\text{C}$  it continues working well in heating mode without freezing.



## 5. Our energy efficient solutions help take care of the environment and your wallet



When operating in WindFree™ for Cooling mode, the outdoor unit consumes over 77% less energy than when operating in Fast Cooling mode.<sup>11</sup>

<sup>11</sup>Tested on the AR07T9170HA3 model, based on the power consumption of Fast Cooling mode vs. WindFree™ Cooling mode. Illustration indicative only, actual effect will vary.

## 6. Designed for streamlined installation

Ideal for easy installation and maintenance in hot Australian conditions, this compact outdoor unit has a modular design for easy transportation and fast mounting.

The Indoor head unit can be removed from the bracket with no special tool required. It has only 3 modular parts and reduced screw points for ease of handling. Also, the outdoor unit is 27% smaller and 18% lighter.<sup>12</sup>

<sup>12</sup>AR12TXCAWKNEU model with AR12NXWCWKNEU. International Samsung model.



### Ready to support

#### 5 Year Warranty

Enjoy peace of mind knowing we have you covered with Samsung's 5 year parts and labour warranty<sup>13</sup> for residential application, in regards to products featured in this brochure. Refer to the warranty card included with your product for full details.

<sup>13</sup>This is in addition to the rights of consumers under consumer guarantees pursuant to the Australian Consumer Law.

### National Samsung service network

Our extensive national repairer network and dedicated Service Centres are on hand to support your product. And with extensive spare parts in Australia to help ensure we get your air conditioning back up and running fast.

### Product Support Line

If you have any concerns about your product simply call **1300 362 603** and our friendly staff will assist with your enquiry and book a service call if required.



# Specifications

| Cooling capacity      |  | 2.50kW                        | 3.50kW                        | 5.00kW                       | 7.00kW                            | 8.00kW                         |
|-----------------------|--|-------------------------------|-------------------------------|------------------------------|-----------------------------------|--------------------------------|
| Room size guide       |  | Small: Up to 21m <sup>2</sup> | Medium: 21 ~ 36m <sup>2</sup> | Large: 36 ~ 51m <sup>2</sup> | Very large: 51 ~ 60m <sup>2</sup> | Open living: >60m <sup>2</sup> |
| Model code            |  | F-AR09BXECNWK1                | F-AR12BXECNWK1                | F-AR18BXECNWK1               | F-AR24BXECNWK1                    | F-AR30BXECNWK1                 |
| Capacity              | Heating capacity                         | 3.20kW                        | 4.00kW                        | 6.00kW                       | 7.20kW                            | 9.00kW                         |
|                       | Capacity (cooling, min - max)            | 0.96 ~ 3.35kW                 | 0.99 ~ 4.0kW                  | 1.6 ~ 6.7kW                  | 1.4 ~ 7.6kW                       | 2.5 ~ 9.3kW                    |
|                       | Capacity (heating, min - max)            | 0.72 ~ 5.0kW                  | 0.74 ~ 5.5kW                  | 1.3 ~ 8.0kW                  | 1.2 ~ 9.4kW                       | 2.4 ~ 13.0kW                   |
| Air purification      | Tri-Care filter                          | Yes                           | Yes                           | Yes                          | Yes                               | Yes                            |
|                       | Easy Filter Plus (anti-bacteria)         | Yes                           | Yes                           | Yes                          | Yes                               | Yes                            |
|                       | Freeze Wash                              | Yes                           | Yes                           | Yes                          | Yes                               | Yes                            |
|                       | Auto Clean (self cleaning)               | Yes                           | Yes                           | Yes                          | Yes                               | Yes                            |
| Convenience           | Built-in Wi-Fi (SmartThings)             | Yes                           | Yes                           | Yes                          | Yes                               | Yes                            |
|                       | AI Auto Cooling                          | Yes                           | Yes                           | Yes                          | Yes                               | Yes                            |
|                       | Fast Cool                                | Yes                           | Yes                           | Yes                          | Yes                               | Yes                            |
|                       | Good Sleep                               | Yes                           | Yes                           | Yes                          | Yes                               | Yes                            |
|                       | Dehumidification                         | Yes                           | Yes                           | Yes                          | Yes                               | Yes                            |
| Refrigerant           | Type                                     | R32                           | R32                           | R32                          | R32                               | R32                            |
|                       | Weight (kg)                              | 0.95                          | 0.95                          | 1.15                         | 1.15                              | 2.0                            |
| Installation          | Max. length (outdoor to indoor)          | 15                            | 15                            | 30                           | 30                                | 30                             |
|                       | Chargeless length (outdoor to indoor)    | 15                            | 15                            | 15                           | 15                                | 15                             |
|                       | Max. height (between ID/OD)              | 8                             | 8                             | 15                           | 15                                | 15                             |
| Energy efficiency     | EER (cooling)                            | 4.39W/W                       | 3.80W/W                       | 3.60W/W                      | 3.30W/W                           | 3.27W/W                        |
|                       | COP (heating)                            | 4.32W/W                       | 3.81W/W                       | 3.53W/W                      | 3.27W/W                           | 3.27W/W                        |
|                       | Star rating (cooling - hot/average/cold) | 4.5 / 4.5 / 4.5               | 4.0 / 4.0 / 4.5               | 3.5 / 3.5 / 3.5              | 3.0 / 3.0 / 3.0                   | 3.0 / 3.0 / 3.0                |
|                       | Star rating (cooling - hot/average/cold) | 3.5 / 3.0 / 2.5               | 3.0 / 2.5 / 2.0               | 3.0 / 2.0 / 1.5              | 3.0 / 2.0 / 1.5                   | 3.0 / 2.0 / 1.5                |
| Electrical data       | Power source(Φ/V/Hz)                     | 1 / 220~240 / 50              | 1 / 220~240 / 50              | 1 / 220~240 / 50             | 1 / 220~240 / 50                  | 1 / 220~240 / 50               |
| Indoor unit           | Shipping dimension (WxHxD)               | 950 x 290 x 375mm             | 950 x 290 x 375mm             | 1115 x 290 x 375mm           | 1115 x 290 x 375mm                | 1115 x 290 x 375mm             |
|                       | Net dimension (WxHxD)                    | 889 x 299 x 215mm             | 889 x 299 x 215mm             | 1055 x 299 x 215mm           | 1055 x 299 x 215mm                | 1055 x 299 x 215mm             |
|                       | Shipping weight                          | 11.6kg                        | 11.6kg                        | 13.2kg                       | 13.2kg                            | 14.0kg                         |
|                       | Net weight (kg)                          | 10.1kg                        | 10.1kg                        | 11.5kg                       | 11.6kg                            | 12.4kg                         |
|                       | Noise level (high/low)                   | 38 / 17dBA                    | 40 / 17dBA                    | 41 / 25dBA                   | 45 / 26dBA                        | 47 / 30dBA                     |
| Outdoor unit          | Shipping dimension (WxHxD)               | 913 x 622 x 371mm             | 913 x 622 x 371mm             | 1023 x 724 x 413mm           | 1023 x 724 x 413mm                | 995 x 1096 x 426mm             |
|                       | Net dimension (WxHxD)                    | 790 x 548 x 285mm             | 790 x 548 x 285mm             | 880 x 638 x 310mm            | 880 x 638 x 310mm                 | 940 x 998 x 330mm              |
|                       | Shipping weight                          | 31.9kg                        | 31.9kg                        | 43.1kg                       | 46.2kg                            | 72.0kg                         |
|                       | Net weight (kg)                          | 29.8kg                        | 29.8kg                        | 39.5kg                       | 43.2kg                            | 67.8kg                         |
|                       | Noise level (high/low)                   | 45dBA                         | 46dBA                         | 51dBA                        | 54dBA                             | 57dBA                          |
| Technical information | Piping length (max)                      | 15m                           | 15m                           | 30m                          | 30m                               | 30m                            |
|                       | Piping height (max)                      | 8m                            | 8m                            | 15m                          | 15m                               | 15m                            |
|                       | Connection size (liquid)                 | 6.35                          | 6.35                          | 6.35                         | 6.35                              | 6.35                           |
|                       | Connection size (gas)                    | 9.52                          | 9.52                          | 12.7                         | 15.88                             | 15.88                          |
| Operating range       | Low ambient (cooling)                    | -10 ~ 46°C                    | -10 ~ 46°C                    | -10 ~ 46°C                   | -10 ~ 46°C                        | -10 ~ 46°C                     |
|                       | Low ambient (heating)                    | -15 ~ 24°C                    | -15 ~ 24°C                    | -15 ~ 24°C                   | -15 ~ 24°C                        | -15 ~ 24°C                     |

1. Specification may be subject to change without prior notice. 2. Performance is based on the following test conditions: Cooling: Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB, 24°C WB. Heating: Indoor temperature 20°C DB, 15°C WB, Outdoor temperature 7°C DB, 6°C WB. Equivalent refrigerant pipe length 5m, Level differences 0m. 3. Select wire size based on maximum current amps and in accordance with local electrical regulation standards. 4. Sound pressure level is obtained in an anechoic room. The sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure levels may differ depending on operation conditions.

This information should be used as a guide only. There are many variables that will affect the requirements of your air conditioning, such as orientation, usage, dimensions, construction materials, insulation, equipment, heat loads, etc. For cooling, if your room is a warm room with a lot of sun exposure during summer, then it is recommended that you use the smaller room size as your guide.

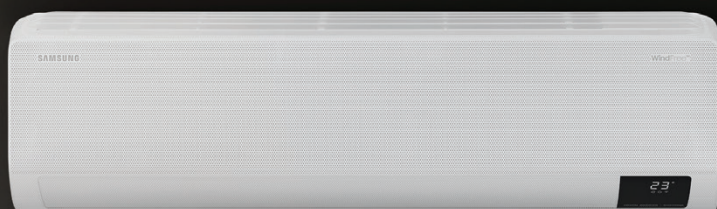


Image for illustrative purposes only.

# SAMSUNG

## Customer Support

For any product or service related queries for Airise Air conditioners please call  
Samsung Customer Support on 1300 362 603 / 8am – 8pm, 7 days

Version 1