

WindFree™ Wall Mounted for VRF

Stay comfortable
with no direct cold draft,
optimizing the temperature,
humidity and purity.



Stay comfortably cool anytime and anywhere. The innovative Samsung WindFree™ air conditioner gently disperses air through 23,000 micro air holes*, so there are no unpleasant cold drafts. With its advanced air flow structure it can cool a whole room extremely quickly and evenly from corner to corner. It also

continually monitors the ambient temperature and humidity and intelligently adjusts its performance to ensure optimum comfort. And it includes a range of advanced features that make installing, maintaining and controlling your air conditioning a real breeze.

* The number of micro air holes may vary based on the capacity of each model.



Comfort

- WindFree™ Cooling
- Smart Comfort Operation
- Quiet Operation
- WindFree™ Dry Mode
- Advanced Air Flow Structure
- 4-way Swing

Cost Saving

- Low Energy Consumption

Hygiene

- Auto Clean
- Easy Filter Plus

Control

- SmartThings
- Voice Control
- Temperature Display
- Beep Off

Installation & Maintenance

- Snap-fit Design & a Roller Type Bracket

Line-up

- Various Capacities and Sizes

WindFree™ Wall Mounted for VRF

■ Comfort

WindFree™ creates the ultimate comfort, intelligently optimized for every moment

The Samsung WindFree™ air conditioner keeps you comfortably cool with its still air and humidity control, which are intelligently optimized to suit your needs.



23,000
Micro Air Holes*

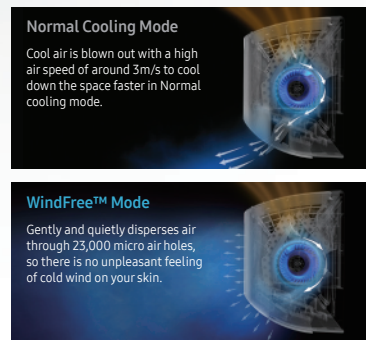
Stay comfortably cool without feeling cold

WindFree™ Cooling

When people are directly exposed to a cold wind it can feel really unpleasant and may even make them ill if they stay cold for too long. With WindFree™ technology, the Samsung WindFree™ air conditioner cools effectively without the unpleasant sensation of cold wind being blown directly onto your skin. Cool air is gently dispersed across the room through 23,000 micro air holes* that are just 1.4mm in diameter. It creates a “still air” environment** with a very low air speed of just 0.15m/s, so there are no drafts to disturb you. As it won't feel uncomfortable or cold, even if it is used for a long time, it's ideal for indoor spaces where family members gather, such as living rooms, or you spend a lot of time, like bedrooms.

* The number of micro air holes may vary based on the capacity of each model.

** ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) defines “Still Air” as when the velocity of air is below 0.15m/s, so people cannot feel any cold drafts.



Less detectable noise. Less disturbance.

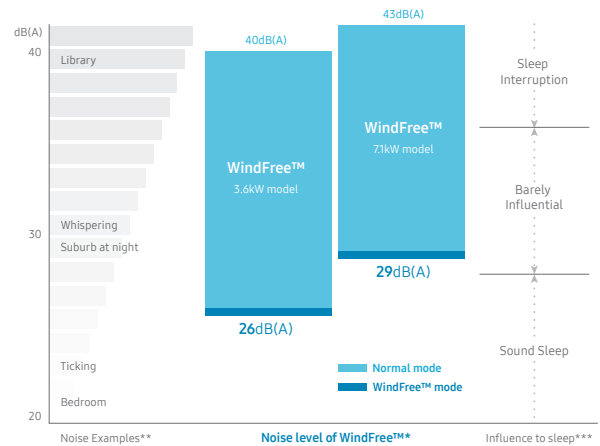
Quiet Operation

The WindFree™ air conditioner minimizes ambient noise while gently dispersing cool air across the room. And it requires no duct that may cause additional noise, so it ensures quiet operation regardless of the installation condition. Especially in the WindFree™ mode at the summer night, it generates only 26dB(A) of sound*, which is quieter than whispering**. So it doesn't disturb your sound sleep***.

* Based on internal testing of a wall mounted WindFree™ air conditioner 3.6kW model (AM036TNADKH/EU), which is usually installed in a bedroom, and a 7.1kW model (AM071TNADKH/EU), which is usually installed in a living room. May vary depending on the actual usage conditions.

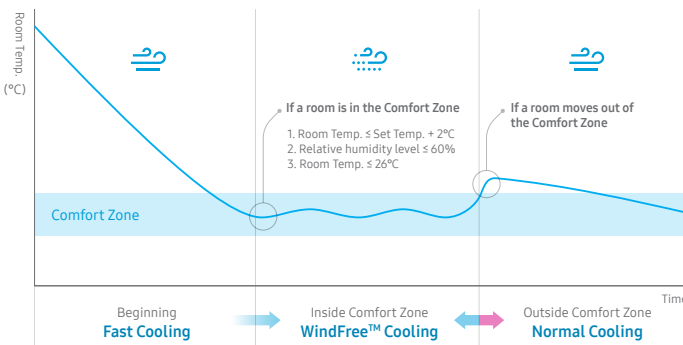
** Based on the Standard of National Noise Information System (Korea).

*** Based on the Bedroom Standard by WHO.



Automatically keeps you comfortable

Smart Comfort Operation



Temperature and humidity are both key factors that affect how people feel. They are generally most comfortable between 23-26°C and with a humidity level of 60%. So the WindFree™ air conditioner has a humidity sensor as well as a temperature sensor. It continually monitors both the temperature and relative humidity and analyzes the room conditions. It then automatically switches between operating modes to keep everyone feeling really comfortable without the need for any manual control.

Stay dry in humid weather without noise and wind

WindFree™ Dry Mode

Even when the ambient humidity is high, you can keep the room air comfortably dry with the WindFree™ Dry mode. When you select this mode on your remote control, its Humidity Sensor monitors the room humidity and effectively dehumidifies it without creating any noise or a chilly wind. So you will feel comfortable, but won't notice that it's working.



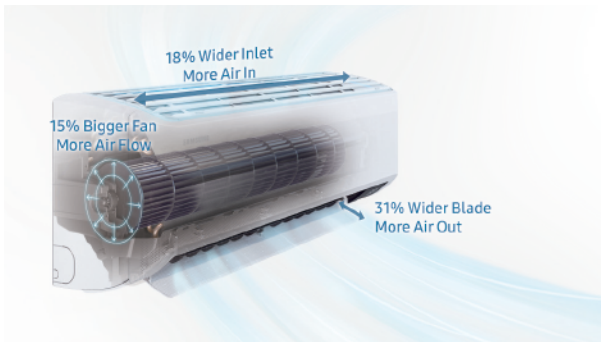
WindFree™ Wall Mounted for VRF

Comfort

Cools faster & farther with long wind

Advanced Air Flow Structure

The WindFree™ air conditioner cools rooms quickly from corner to corner, so you're always comfortable whenever you want and wherever you are. Its advanced design has a 15% bigger fan, 18% wider inlet and a 31% wider blade*. So cool air is dispersed farther and wider into every corner of a room, reaching up to 15 meters**.



Distribute air to wherever you want

4-way Swing***

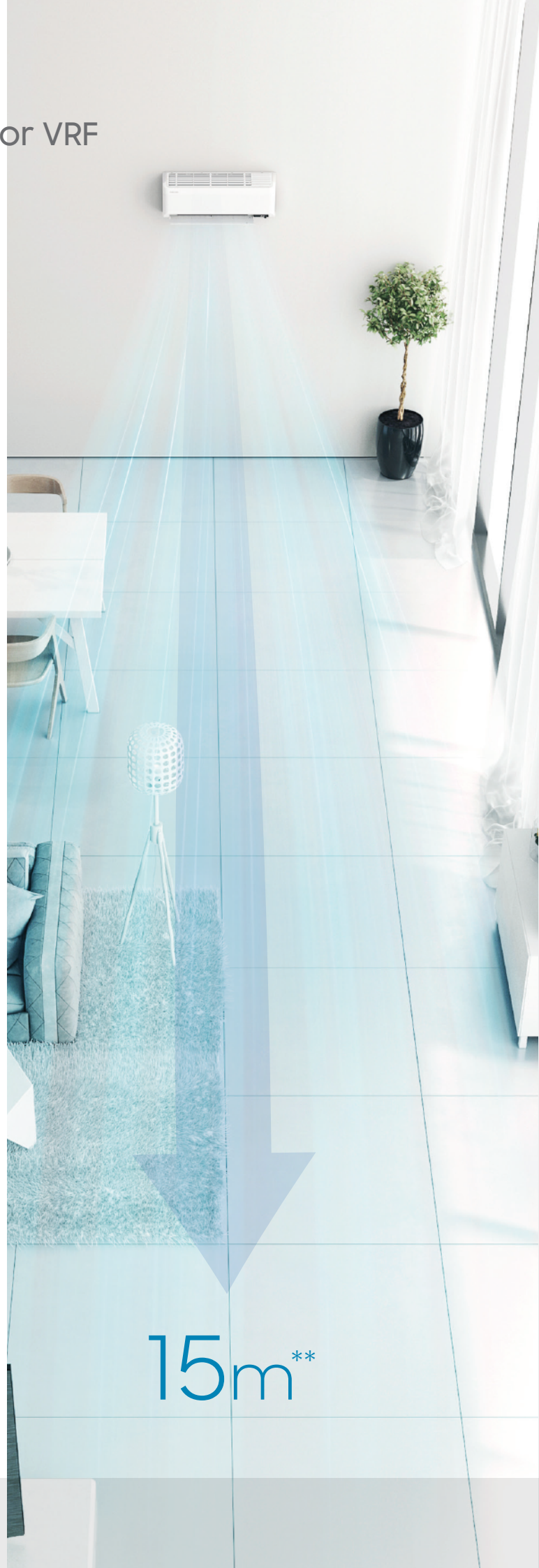
Create a comfortable environment with an even temperature in every corner of a room. The WindFree™ air conditioner features a 4-way Swing*** function that lets you remotely control the air direction, so it goes towards a specific location, or automatically expels air in every direction. As well as the auto up-down swing function it also has an auto left-right swing function, so air is evenly distributed across the room.



* Tested on the AR12TXCAAWK model compared with the Samsung conventional model AQ12EASER.

** Based on internal testing on the AR24TXFCAWKN model in Fast mode, distance reaching more than 0.6m height with 0.25m/s wind speed. May vary depending on individual usage condition.

*** Optionally available on certain models.



15m**

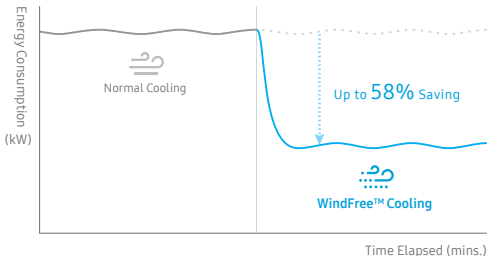
Cost Saving - Maintain comfort with minimum cost

The Samsung WindFree™ Wall Mounted air conditioner creates an environment that offers maximum long-term comfort using minimal energy. As well as being highly energy-efficient, WindFree™ Cooling is also proven to keep a room comfortably cool for over 8 hours.

Reduces energy use by 58%* while keeping you comfortable**

Low Energy Consumption

Save money every day by optimizing power usage with the WindFree™ air conditioner’s highly energy-efficient WindFree™ Cooling. When operating in WindFree™ mode, the outdoor unit consumes only minimal power – using up to 58% less electricity compared to the Normal cooling mode*. But it still keeps the room comfortably cool**, so you feel like you’ve entered a cave on a hot summer’s day.



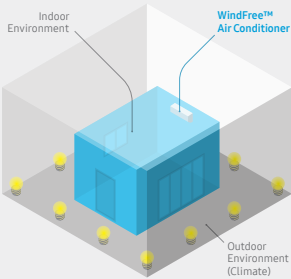
* Based on internal testing on the AM080JXVGH/ET, AM015TNVDKH/EU, AM036TNVDKH/EU, AM045TNVDKH/EU and AM082TNVDKH/EU models, comparing the power consumption of Normal mode vs. WindFree™ Cooling mode. Temperature conditions: Outdoor 35°C DB / 24°C WB, Indoor 27°C DB / 19°C WB. Results may vary depending on environmental factors and individual use.

** Based on internal testing on a WindFree™ Wall Mounted air conditioner 7.1kW model in a Test Lab, following the experimentation method described below.

HOW TO TEST

Proven to keep you cool indoors with WindFree™ Cooling

In order to stringently test the air conditioning systems in various climate conditions, Samsung runs a Test Lab that has a house inside it and can create and maintain simulated outdoor conditions. With the indoor and outdoor temperatures both being 35°C, a WindFree™ air conditioner installed in the house began cooling using the Normal mode. After reaching the set temperature of 25°C, it changed mode to WindFree™ and maintained a stable indoor temperature (25°C±0.5°C) for over 8 hours.

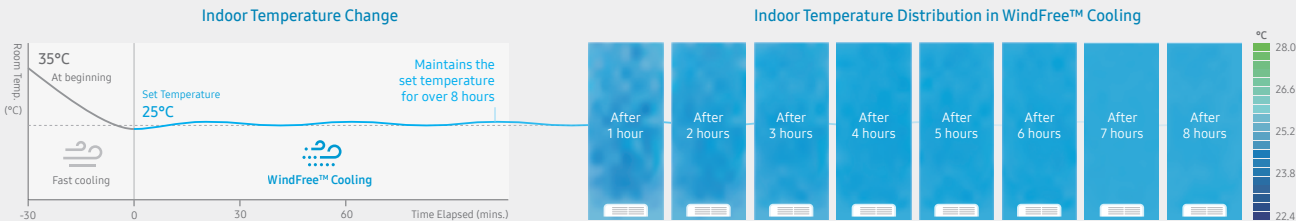


Test Condition

- Temperature: Outdoor 35°C (Sustained), Indoor 35°C (At beginning)
- Indoor Area: 40m²
- Product: WindFree™ Wall Mounted air conditioner 7.1kW model
- Measurement: Temperature distribution and consumed energy using Normal cooling and then WindFree™ Cooling

Test Result

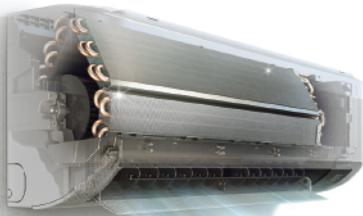
- Using fast cooling, the room temperature reached the set temperature after 30 minutes.
- Mode changed to WindFree™, which maintained the indoor temperature (25°C±0.5°C) while the outdoor temperature remained constant.



WindFree™ Wall Mounted for VRF

Hygiene - Even more comfort with even cleaner air

Staying cool is one thing, but to be really comfortable you also need to be breathing clean air. So the Samsung WindFree™ Wall Mounted air conditioner incorporates an air purifier that is designed to improve the air quality with its advanced filtration system.



Stays hygienic with less moisture

Auto Clean

When an air conditioner is turned off after working in cooling mode the difference in internal and external temperatures can lead to moisture condensing on the heat exchanger, enabling mold to grow that causes odors. To prevent this, the Samsung WindFree™ air conditioner has a humidity sensor and features the Auto Clean function*. After it's been working, it automatically dries the heat exchanger using 3 types of drying case, choosing the optimal method based on the temperature and humidity levels. So it prevents the build-up of bacteria and odors.

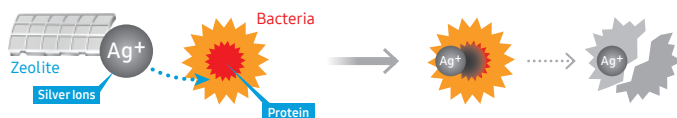
Case 1	Case 2	Case 3
 WindFree™	 WindFree™ + Mild Wind	 WindFree™ + Strong Wind
17 min.	18 min.	23 min.

* Only available in WindFree™ models that have a humidity sensor.

Easy to clean anti-bacterial filter

Easy Filter Plus

Keep your air conditioner working efficiently with less effort. The Easy Filter Plus has dense mesh that keeps the heat exchanger clean and an anti-bacterial coating helps protect you against dangerous airborne contaminants*.



Step 1
Silver ions penetrate the surface of the bacteria when they come into contact with the Zeolite.

Step 2
Silver ion reacts with the protein in bacteria.

It is also washable and reusable, and located outside, on the top, so it can be easily be taken out and cleaned**. It means you can continue enjoying clean, fresh air, while also saving on maintenance costs as you don't need to buy new filters.

Step 01



Use a soft brush or vacuum cleaner to remove any dust or debris on the filter.

Step 02



Soak the filter in a solution of water and mild detergent for 30 minutes.

Step 03



Rinse the filter and let it air dry in a well-ventilated area that is out of direct sunlight.



* Tested in the Korea test lab. Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use.
** Recommended cleaning frequency: every 2 weeks.

Control - Intuitive and easy to use

The Samsung WindFree™ air conditioner provides a choice of convenient ways to control it - using a remote control, your own smartphone or even your voice. So it's easy to optimize your comfort.

Remotely control it anytime, anywhere

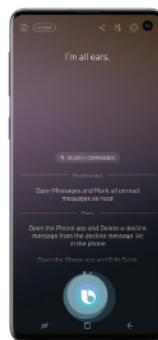


SmartThings

Control the temperature in your home anytime and anywhere. Using the SmartThings App* you can turn your air conditioner on and off, and select the operating mode and temperature with your smartphone. You can also simply schedule when it starts and stops. So, even when you're not there, it gives you peace of mind that your room is cooled efficiently and your air conditioning is not left on unnecessarily wasting energy.

* Available on Android and iOS devices. An optional Wi-Fi Kit with a Wi-Fi connection and a Samsung account are required.

Don't look for a button, your voice does it all



Voice Control

Simply tell the voice control artificial intelligence (AI) system* what you want** and it does it. To stay comfortable, just say things like:

- Turn on the air conditioner!
- Lower the room temperature!
- Change the mode to WindFree™ mode!
- Check the indoor temperature!
- Raise the room temperature!

* Available on Android and iOS devices. An optional Wi-Fi Kit with a Wi-Fi connection and a Samsung account are required.

** Voice control supported in English (US, UK), Indian, Chinese, Korean, French, German, Italian, Spanish and Portuguese.

Intuitively know the room temperature

Temperature Display

A large numeric display with clear and simple icons makes it much easier to see the room temperature and intuitively check the current status of your air conditioner - even from a distance.



Silently control for a more peaceful life

Beep Off

When you use your remote control the air conditioner normally responds with a beep sound to let you now that it has received your instructions. But, if you prefer, you can simply mute this sound using the Beep Off function and enjoy a more peaceful atmosphere.



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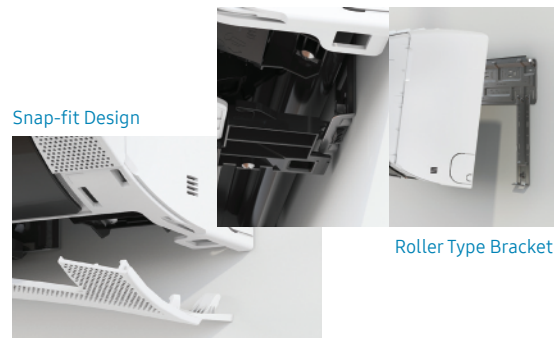
Installation & Maintenance - Install effortlessly, maintain without hassle

The Samsung WindFree™ air conditioner is designed to make your life easier. It includes a range of advanced technologies to keep it working effectively, without a lot of effort.

Quick and easy to install and service

Snap-fit Design & a Roller Type Bracket

The WindFree™ air conditioner features a snap-fit bottom cover that can be easily opened and closed without screws – for installation and servicing. And, unlike conventional brackets that have to be fitted on two fixed hooks, it uses a roller type bracket that simplifies the installation process. So you can easily mount it by installing the bracket on the wall and just hanging the air conditioner, then effortlessly sliding it into the exact position that you want.



Conventional
Wall Mounted Air Conditioner

Samsung WindFree™
Wall Mounted Air Conditioner



Screw points are on the bottom.
Need to unscrew them to remove the cover panel.

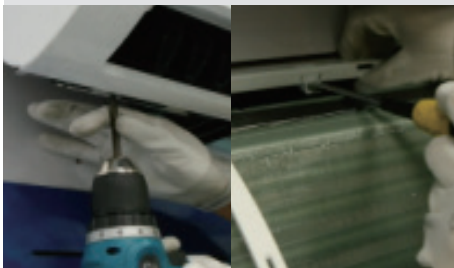
Easy Installation

Easy to detach cover
The cover panel can be easily removed thanks to a Snap-fit Design that doesn't use screws.

Fewer screws save time and effort
After mounting the bracket on the wall, there's no need for any more screws.



No screw points, but levers are on the bottom.
Simply pull them to remove the cover panel by hand.



Disassembly points are at the rear.
A special tool and screwing are necessary to service.

Quick Service

Easy to disassemble indoor unit
Don't need to access to the rear side to disassemble the indoor unit, so no additional tools are necessary.

Fewer screws save time and effort
No screws are necessary to inspect the inside of the indoor unit.



There's no disassembly points at the rear.
Simply pull it to remove the cover without a special tool.

Line-up - A wide choice to fit many needs

The Samsung WindFree™ Wall Mounted system air conditioner is available in 2 types of model and with various capacities ranging from 1.5kW to 8.2kW. So you can choose the ideal system for optimum comfort and efficiency in a wide variety of spaces.



Premium Plus

For those who prefer or don't care about direct wind.



WindFree™ Premium Plus

For those who want WindFree™ comfort to stay cool without cold drafts.



* Model name and capacity may vary depending on the region.