

**SAMSUNG**  
Climate Solutions



**WindFree™**  
**Find your flow.**

[samsung.com/windfree-range](https://samsung.com/windfree-range)

# Find your flow.

## Create your perfect environment.

Samsung's WindFree™ range uses innovative technologies to provide comfort to any space – so you can experience optimal indoor climate no matter where you are or what you are doing.

WindFree™ Cooling technology uses thousands of micro-holes to spread air without any unpleasant cold drafts. In WindFree™ mode air is spread evenly, allowing you to enjoy maximum comfort.

### How Samsung WindFree™ works



#### Step 1

The panel opens, and Fast Cooling mode cools the room quickly from corner to corner.



#### Step 2

The set temperature is reached in Fast Cooling mode, and the panel closes.



#### Step 3

WindFree™ mode spreads air uniformly through thousands of micro-holes.

### The available range



#### WindFree™ Wall-Mount

Available in Residential and Multi Split ranges in capacities from 2.0 up to 6.8 kW.<sup>1</sup>

A+++

A+++



#### WindFree™ 1-Way Cassette

Available in Multi Split, Commercial and VRF ranges in capacities from 1.7 up to 7.1 kW.<sup>1</sup>



#### WindFree™ 4-Way Cassette

Available in Multi Split, Commercial and VRF ranges in capacities from 1.7 up to 14.0 kW.<sup>1</sup>



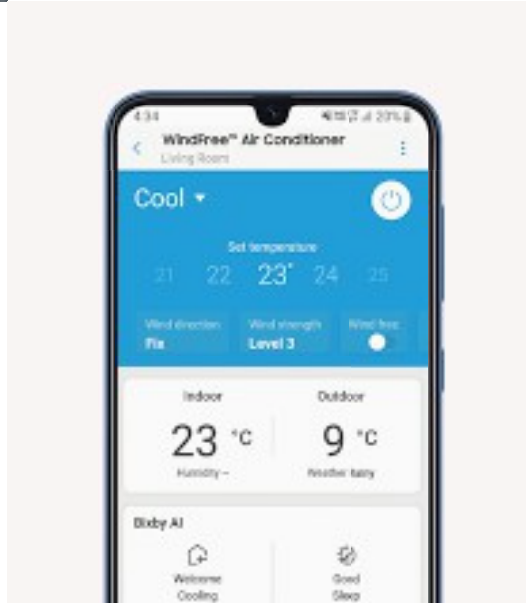
## Smart Operation

The WindFree™ Wall-Mount with AI Auto Comfort<sup>3</sup> introduces you to an intelligent way of living. It analyses your room conditions and usage patterns<sup>4</sup>, and then automatically adjusts the temperature. With all WindFree™ units, temperatures can also be managed remotely using the SmartThings App<sup>3</sup>. Turning it on and off, selecting the cooling mode or scheduling its operation is just one touch away.



## WindFree™ Cooling

WindFree™ technology enhances your indoor comfort by using thousands of micro-holes to disperse air uniformly without any unpleasant blasts of cold wind. In WindFree™ mode, air is spread softly and silently, creating a 'Still Air'<sup>2</sup> environment that provides you total well-being day and night.



## R32 Refrigerant

The Samsung WindFree™ range of air conditioners uses R32 refrigerant. The R32 refrigerant has a lower Global Warming Potential (GWP) than conventional R410A refrigerant, so it is more environmentally friendly<sup>5</sup>. Samsung's Single Split (RAC), Multi Split (FJM) and Commercial Split (CAC) product ranges upto 14 kW all feature R32 refrigerant.



## PM 1.0 Filter

The PM 1.0 Filter not only effectively captures ultrafine dust up to 0.3 µm but also inactivates certain types of bacteria that are captured, using an electrostatic precipitator<sup>6</sup>. It has two main parts that charge and collect dust and certain types of bacteria<sup>6</sup>. The brush discharger generates negative ions. These negative ions give the dust particles and certain types of bacteria<sup>6</sup> a negative charge, so they become strongly attached to the ground electrode due to the electrostatic force of the collector. An added advantage is that this filter is also washable, thus saving on purchase and maintenance of the filter.

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<sup>2</sup> ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines 'Still Air' as air currents at speeds below 0.15m/s which lacks the presence of cold drafts. <sup>3</sup> AI Comfort is only applicable for RAC Wall-Mounted indoor units. A Wi-Fi connection and Samsung SmartThings application account are required. Wi-Fi kit to be ordered separately if it's an optional accessory for the indoor unit. Requires iOS 10.0 or later & Android 5.0 or later. <sup>4</sup> Stores user data, preferences and usage patterns to suggest the most useful options. <sup>5</sup> Air conditioners with R32 refrigerant have a Global Warming Potential (GWP) of 675, which is significantly lower than the GWP of R410A (2,088). <sup>6</sup> Verified by Intertek, Report Number RT20E-S0010-R, Issue Date: 17 April 2020 The K-element (Electrostatic Precipitator) of Samsung Electronics can sterilize the microorganisms that collected on the filter (Escherichia coli: above 99 %, Staphylococcus aureus: above 99 %).













## WindFree™ Wall-Mount

The Samsung WindFree™ Wall-Mount range has a rectangular and clean silhouette. The unit fits harmoniously into any space, ranging from residential use to light commercial applications. It provides intelligent home climate comfort thanks to smart controls that adapt to your personal preferences, automatically maintaining optimal conditions.

The WindFree™ Pure 1.0 is the latest addition to the WindFree™ range. The unit comes with a built-in purification filter system that keeps the indoor air clean by reducing dust and certain types of bacteria.<sup>1</sup>



WindFree™  
Cooling



Wi-Fi  
Control



AI Auto  
Comfort



Tri-Care  
Filter



Motion Detect  
Sensor



R32  
Refrigerant



PM 1.0  
Filter



Freeze  
Wash

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Not all features are available in all models.  
<sup>1</sup> Intertek Report No.: RT20E-S0010-R Date: APR. 17, 2020 (Revised)  
Based on the data collected the Hypothesis is accepted: The K-element (Electrostatic Precipitator) of Samsung Electronics can sterilize the certain types of bacteria that collected on the filter. (Escherichia coli: above 99 %, Staphylococcus aureus: above 99 %)

## WindFree™ 1-Way Cassette

With its short height and slim design the 1-Way Cassette makes installation easy for a variety of applications like hotel rooms and offices. Its large and optimised blade works to cool areas fast and efficiently, with no zone left untouched.

The WindFree™ 1-Way purification panel also features a three-filter purification system with three different purification panels. The PM1.0 Filter, the Pre-Filter and the Deodorization Filter<sup>1</sup>. The filters enhance the mitigation of particulate matter and keeps the indoor air clean by reducing dust and certain types of bacteria.<sup>2</sup>

Not all features are available in all models.  
<sup>1</sup> The Deodorization Filter can only be found in WindFree™ 1-Way Cassette. <sup>2</sup> Intertek Report No.: RT20E-S0010-R Date: APR. 17, 2020 (Revised) Based on the data collected the Hypothesis is accepted: The K-element (Electrostatic Precipitator) of Samsung Electronics can sterilize the certain types of bacteria that collected on the filter. (Escherichia coli: above 99 %, Staphylococcus aureus: above 99 %)



## WindFree™ 4-Way Cassette

With the choice between a large and small execution, the 4-Way Cassette enables optimal versatility for spaces ranging from large offices to compact retail shops. Its large and optimised blades work to cool areas fast and efficiently, with no zone left untouched.

The WindFree™ 4-Way purification panel also features an enhanced two-filter purification system. The PM1.0 Filter, the Pre-Filter. The filters enhance the mitigation of particulate matter and help maintain cleaner indoor air.<sup>1</sup>

Another highlight is the Auto Elevation Panel which simplifies filter maintenance for end-users or service engineers and provides greater safety with remote control access just one click away.<sup>2</sup>



WindFree™  
Cooling



Wi-Fi  
Control



PM 1.0  
Filter



R32  
Refrigerant

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WindFree™  
Cooling



Wi-Fi  
Control



PM 1.0  
Filter



Motion Detect  
Sensor



R32  
Refrigerant

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<sup>2</sup> The Auto Elevation panel is available for the WindFree™ 4-Way Cassette as an option to add to the AC unit.

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Learn more about Samsung Climate Solutions at:  
**[www.samsung.com/climate](http://www.samsung.com/climate)**

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Samsung Electronics Co., Ltd. participates in the Eurovent Certification Programme (ECP) for Air Conditioners (AC), Variable Refrigerant Flow (VRF) and Liquid Chilling Packages Heat Pump (LCP-HP). To check the ongoing validity of certification, please visit: [www.eurovent-certification.com](http://www.eurovent-certification.com)