

# SAMSUNG

## Free Joint Multi (FJM)



Product Registration Required  
Conditions Apply



WORKS WITH  
**SmartThings**

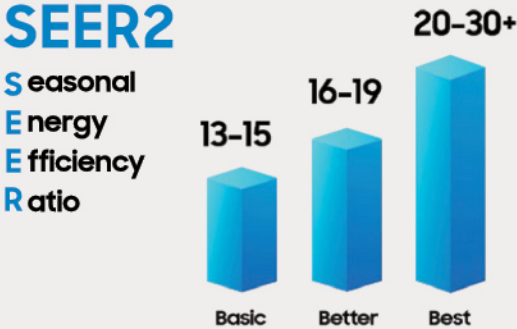
# One multi-zone system. So many options.

## Energy efficiency is just the beginning.

“Zoning” is a method of dividing a home into independently controlled temperature zones for enhanced comfort and efficiency. Unlike a central system that may only have a single thermostat controlling the whole house, zoned systems give you greater control over different areas or zones. A multi-zone system uses multiple indoor units connected to a single outdoor unit to allow you to either heat or cool areas where you spend the most time differently than those you don’t use as much. This saves energy and helps reduce energy costs, regardless of the time of year.

Energy efficiency is one of the most important benefits homeowners are looking for in a heating and cooling system because greater efficiency means lower utility bills. SEER stands for Seasonal Energy Efficiency Ratio, and it’s a way of rating the maximum efficiency of an air conditioning unit. The higher the SEER2 rating, the more efficient it is.

\*SEER2 is an updated version of SEER for air conditioners and heat pumps that went into effect as of Jan. 1, 2023. The updated testing procedure more accurately reflects real world conditions for HVAC systems and has resulted in updated minimum energy efficiency required for cooling and heating systems.



Scan to learn more about the U.S. Department of Energy’s most recent update to the minimum energy efficiency standards for your region.



## Explore Rebates

Is your inefficient heating and cooling system driving your monthly energy bills up? With rebates and incentives to install electric heat pump systems, there’s never been a better time to add innovation, efficiency and comfort to your home while putting a stop to runaway energy bills. Find out which Samsung products qualify for homeowner rebates provided by federal, state, or local governments and utility companies.



Learn more at [samsunghvac.com/rebates](https://samsunghvac.com/rebates)

## Inflation Reduction Act (IRA)

Signed into law in August 2022, the multibillion Inflation Reduction Act is the single largest investment in climate and energy in American history. The IRA was designed to promote more high-efficient, electric appliances in homes and commercial buildings resulting in lower energy costs and overall reduction in carbon footprint. Learn more about the available tax credits and rebate programs and how to get your cost savings.



Learn more at [samsunghvac.com/inflation-reduction-act](https://samsunghvac.com/inflation-reduction-act)



# Features and technology to make you feel right at home.

## **Innovative compressor technology**

Samsung's FJM multi-zone systems feature variable speed compressor technology. That means high SEER2 performance and a system that can precisely deliver the perfect amount of heating or cooling with less temperature fluctuation and tighter temperature control.

## **The flexibility of zones**

Samsung's FJM multi-zone systems support up to five zones, giving you greater control over your home comfort while avoiding wasted energy on unoccupied spaces.

## **A quieter, smaller footprint**

A more compact footprint coupled with precision-balanced rotating parts delivers a system that's quiet enough to be located virtually anywhere.



# Our indoor units have major advantages.



## WindFree™\* Mini 4-Way Cassette

The WindFree™\* Mini 4-Way Cassette eliminates extensive ductwork by utilizing refrigerant piping to preserve valuable space in your attic. In addition, its compact and unobtrusive design also blends seamlessly into any space and the four-sided air distribution helps air to reach every corner of the room.

## Console

The Console unit can sit on the floor or hang low on a wall, making it a great option for replacing a radiator in order to provide both heating and cooling in almost any space. The unit also features dual air outlets to provide optimized air flow, ensuring that every part of the room reaches a comfortable temperature.







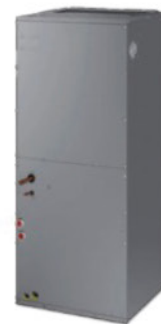
### **Slim Duct**

Compact, quiet, and measuring less than 8" tall, the Slim Duct air handler is ideal for applications where a low-visibility aesthetic is needed.



### **Duct S**

The Duct S air handler features a low profile and higher fan static pressure, which is ideal when a primarily centralized ductwork system is required. You can condition multiple rooms with a single Duct S unit and use another type of air handler to condition other parts of your home.



### **Multi-Position Air Handler**

The Multi-Position Air Handler is capable of handling central-air ductwork layouts, with a form factor that makes it ideal for replacing existing air handlers or gas furnaces. Like the Duct S unit, you can condition most of your home with a single a MPAH unit and use another type of air handler to condition other parts of your home.



# Elevate your space with ductless indoor units.

## WindFree™\* Cooling Technology

Samsung's exclusive WindFree™\* Cooling technology maintains the desired temperature in your home and eliminates cold drafts and reduces energy use by delivering air through micro holes on the indoor unit to produce a dispersed and gentle flow of air defined as "still air."



WindFree™\* 3.0



WindFree™\* 3.0e



WindFree™\* 3.0i



### Motion Sensor

The Motion Detection Sensor (MDS) on our WindFree™\* 3.0 optimizes energy savings and comfort in any space. Users can choose between direct airflow, to have air follow the user around the room, or indirect airflow, where the user can have the air blow away from them in the room. When the MDS recognizes that there are no occupants in the space, the system can automatically implement energy saving measures to reduce energy use.



### Reusable Filter

All of our wall mount indoor unit options come with a washable, reusable filter located on the top of the unit, making it easy to remove, clean and put back. Ensuring you have a clean air filter on a regular basis can help improve your air conditioner's efficiency and boost the air quality in your home.

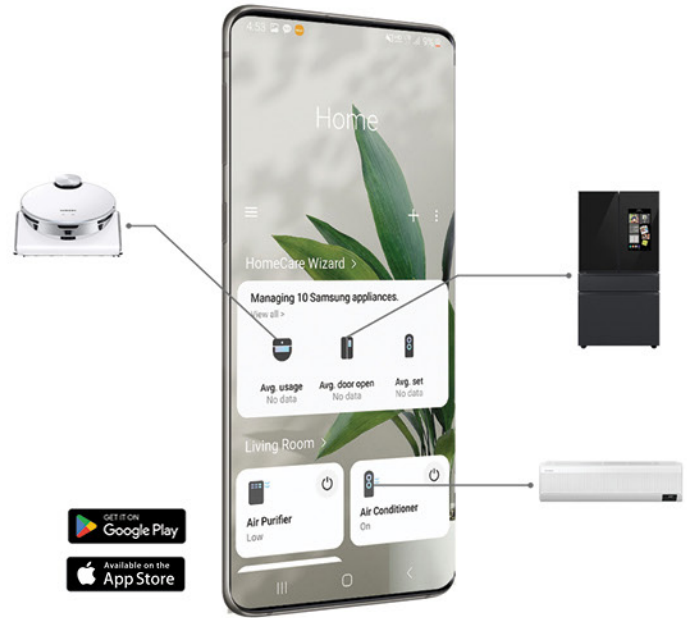


### PM 1.0 Filter

PM stands for particulate matter, which is measured in microns, also known as a micrometer, which is a unit of length equal to one millionth of a meter. We use this to measure the diameter of particulate matter in the air that can be inhaled and cause health problems. Some of these pollutants come from outdoors, and others come from indoor sources and activities such as cooking, cleaning, secondhand smoke, pets and more. Our WindFree™\* 3.0i puts an emphasis on indoor air quality, with a built in PM1.0 electrostatic filter capable of removing ultra-fine dust particles as small as 1 micron.

# SmartThings

Samsung's exclusive SmartThings app allows users to remotely regulate temperature, adjust settings, receive real-time updates about system performance and energy usage. The SmartThings app goes even further by letting you connect, automate and manage all of your Samsung and SmartThings-compatible appliances and electronics with a single, easy-to-use and free app.



Samsung's Wi-Fi Adapter allows for remote control of Samsung FJM indoor units through the SmartThings app. One Wi-Fi Adapter can control all indoor units connected to a FJM system. WindFree™ 3.0, WindFree™ 3.0e and WindFree™ 3.0i units are Wi-Fi enabled as standard. An accessory Wi-Fi Adapter is required to control all other indoor unit types.







## SmartThings Energy

Saving energy matters now more than ever. Explore ways to reduce your carbon footprint and save on your energy usage with the help of SmartThings Energy. Based on your habits, SmartThings Energy recommends ways for you to be more energy efficient and lets you easily manage the energy usage not just of your Samsung appliances but your entire home.



# Get the best equipment, best suited for your home.

	FJM AJ0**BXJ*CH/AA	FJM Max Heat® AJ0**BXS*CH/AA
		
<b>Main Benefit</b>	High efficiency, multi-zone performance with a wide range of indoor unit options. This heat pump system can be configured as cooling only, heating only or combined heating and cooling functionality.	Provides 100% heating performance at 5°F (-15°C) with high heating output at -13°F (-25°C).
<b>Indoor Unit Connection</b>	2 to 5	2 to 4
<b>Capacity (Btu/h)</b>	18K / 24K / 36K / 48K	20K / 24K / 30K / 36K
<b>SEER2 Rating</b>	Up to 21.0	Up to 21.5
<b>HSPF2 Rating</b>	Up to 9.0	Up to 9.3
<b>Energy Star®</b>	Yes (For select models with non-ducted indoor units)	Yes (For non-ducted indoor units)
<b>Energy Star® Cold Climate</b>	Yes (For non-ducted indoor units)	Yes (For non-ducted indoor units)
<b>CEE Tier2 North</b>	No	No
<b>CEE Tier2 South</b>	Yes (For select models with non-ducted indoor units)	Yes (For non-ducted indoor units)
<b>Specifications</b>		

## Notes

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	Multi-Position Air Handler (MPAH)	Duct S	Slim Duct	Console
				
<b>Main Benefit</b>	Can be installed in numerous positions (upflow, left, right or downflow). 0.8" WC max. static pressure.	The slim design of the Duct S allows for 3-way service, providing access from the bottom, side or top of the unit. 0.59" WC max. static pressure.	Compact design and low sound levels. 0.24" WC max. static pressure	Install sitting on the floor or hanging low on a wall. Great option for replacing a radiator to provide both heating and cooling.
<b>Capacity (Btu/h)</b>	12K / 18K / 24K	9K / 12K / 15K / 18K	9K / 12K / 18K	9K / 12K / 15K / 18K
<b>Compatibility</b>	FJM and CAC outdoor units	FJM outdoor units	FJM and CAC outdoor units	FJM and CAC outdoor units
<b>Specifications</b>				

	WindFree™* 3.0	WindFree™* 3.0e	WindFree™* 3.0i	WindFree™* 1-Way Cassette	WindFree™* Mini 4-Way Cassette
					
<b>Main Benefit</b>	Equipped with a motion sensor to optimize energy savings and comfort.	Designed with WindFree™* Cooling technology to eliminate cold drafts.	Equipped with a PM 1.0 filter that captures ultra-fine dust particles up to 0.3µm in size.	Blade angles can move from 30-80° to reach every corner of the room.	Features WindFree™* Cooling technology, low sound levels, and 4-way air distribution which is great for larger spaces like bonus rooms.
<b>Capacity (Btu/h)</b>	7K <sup>1</sup> / 9K / 12K / 15K <sup>1</sup> / 18K / 24K	7K <sup>1</sup> / 9K / 12K / 15K / 18K / 24K	7K <sup>1</sup> / 9K / 12K / 15K / 18K / 24K	9K / 12K	9K / 12K / 18K
<b>Compatibility</b>	RAC and FJM outdoor units	RAC and FJM outdoor units	RAC and FJM outdoor units	FJM and CAC outdoor units	FJM and CAC outdoor units
<b>Specifications</b>					

<sup>1</sup>Select indoor unit capacities are compatible with FJM models only.

# Smarter installation and serviceability starts here.

## Flexible Installation

This versatile system provides additional flexibility when installing a system that requires more than one zone of comfort, without adding parts, installation, and added costs of several outdoor units.

## Home Run Refrigerant Piping

Samsung's home-run refrigerant piping with flared connections requires no refrigerant branches or brazing. This setup offers zoning benefits, reduces energy loss, and enhances system flexibility, making it a popular choice for efficient and customizable heating and cooling solutions in homes.

## Compact Size

The small footprint and lighter weight of the FJM outdoor unit makes it easier to maneuver and saves space while transporting compared to other unitary or heat pump products.







## **Streamlined Installation and Maintenance**

Features a self-diagnosing inverter PCB and a 7-segment display for simpler installation, monitoring, and troubleshooting. Easily review data like compressor frequency, discharge temperatures, and safety controls without connecting special service tools.

## **Start-Up Made Simple**

Installation and startup is made easy through the use of auto addressing of the indoor units, and an automatic pipe-inspection mode which helps reduce crossed-pipe mistakes by automatically matching each indoor unit's address with its corresponding refrigerant ports.

# SAMSUNG

SamsungHVAC.com  
FJMBR11.2023-V1

\*The WindFree™ unit delivers an air current that is under 0.15 m/s while in WindFree™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

Select models are Energy Star® labeled. Proper sizing and installation of equipment is critical to achieve performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet Energy Star® criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).

†The SmartThings app is available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.

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