

# SAMSUNG

## Free Joint Multi (FJM)



Product Registration Required  
Conditions Apply



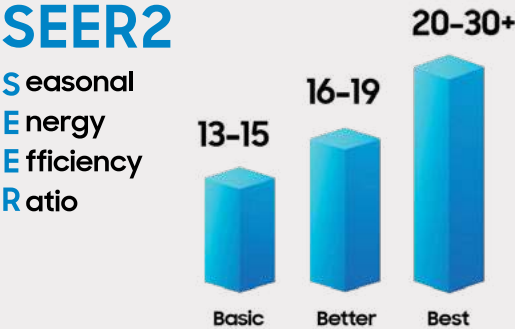
# One multi-zone system. So many options.

## 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)

## Programs in the United States and Canada

In both the US and Canada, there are programs available that offer financial incentives to homeowners who install energy-efficient heat pumps. These programs provide credits or rebates, helping to reduce upfront costs while supporting efforts to improve home energy efficiency and lower environmental impact.



[U.S.](#)



[Canada](#)

# 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.

FJM indoor units support Wi-Fi out of the box, ensuring quick and easy connection to SmartThings for enhanced automation.



## 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 (MPAH) 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, 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™\* Premium  
with Motion Sensor



WindFree™\* Standard



WindFree™\* IAQ



### Motion Sensor

The Motion Detection Sensor (MDS) on our WindFree™\* Premium 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.



### Comfort Humidity Control

This feature removes excess moisture from the air, keeping your space feeling fresh and dry while using up to 19% less energy. You can easily check humidity levels anytime using the wired controller or SmartThings app, giving you simple, convenient control over your comfort.



### 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. 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™\* IAQ 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.



## 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.

## AI Energy Mode

Enabling AI Energy mode in SmartThings takes energy savings to the next level. By learning your usage patterns and analyzing room conditions, AI Energy mode reduces energy use by up to 20%^ by automatically adjusting the temperature, fan speed, and compressor speed of the system.

^based on internal Samsung tests

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

|   | FJM Standard<br>AJ0**DXJ*CG/AA<br>JXG**J*D  | FJM Premium<br>AJ0**DXS*CG/AA<br>JXG**S*D  |
|---|---|--|
|   |    |       |
| <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 20  | Up to 23   |
| <b>EER2 Rating</b>  | Up to 12.7  | Up to 15   |
| <b>HSPF2 Rating</b>   | Up to 9   | Up to 10.5   |
| <b>Energy Star®</b>   | All models  | All models   |
| <b>Energy Star® Cold Climate</b>  | No  | All models   |
| <b>CEE</b>  | Path A & B*   | All models   Path A & B  |
| <b>Specifications</b><br><a href="https://samsunghvac.com/downloads">samsunghvac.com/<br/>downloads</a> |    |     |

\*For selected models, refer to technical documents

## 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, or right). 1.0" 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. 0.6" 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 / 18K  |
| <b>Compatilby</b>  | FJM outdoorunits   | FJM outdoor units  | FJM and CAC outdoor units   | FJM and CAC outdoor units   |
| <b>Specifications</b><br><a href="https://samsunghvac.com/downloads">samsunghvac.com/downloads</a> |               |   |  |    |

|  | WindFree™* Premium  | WindFree™* Standard   | WindFree™* IAQ  | 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 fi lter 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 / 15K  |
| <b>Compatilby</b>  | RAC and FJM outdoor units   | RAC and FJM outdoor units   | RAC and FJM outdoor units   | CAC and FJM outdoor units   | CAC and FJM outdoor units   |
| <b>Specifications</b><br><a href="https://samsunghvac.com/downloads">samsunghvac.com/downloads</a> |  |  |          |  |    |

<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.

## Smart Heat Source Management

When configured for dual-fuel functionality, the FJM system can switch between the primary and a secondary heat source based on heating performance and cost-effectiveness. Conversely, when temperatures rise, the secondary heat source is restricted, allowing the energy-efficient heat pump to take over. These features offer the perfect balance of comfort, cost savings, and sustainability, giving you flexible control to reduce energy bills and your carbon footprint.

## Emergency Heat Operation

Auxiliary heat sources like baseboard radiators, hot water coils, and duct heaters can automatically activate in emergency situations to provide reliable heat if the primary system encounters issues. This capability is available for select error codes, ensuring safe operation when needed most.





## Smart Care AI Diagnostics

This monitoring technology analyzes key components such as the compressor, fan motor, power connections, communication links, and refrigerant charge, to identify problems before they occur. This ensure consistent, efficient performance and reduces the risk of unexpected downtime, offering enhanced reliability and peace of mind.

Requires connection to Wi-Fi and SmartThings.

## 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 it's corresponding refrigerant ports.

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SamsungHVAC.com  
FJMBR 02.2025-V3

\*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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