SAMSUNG

Cooling & Heating



Residential & Light Commercial
Tech Catalog



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*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 (American Society of Heating, Refrigerating, and Air Conditioning Engineers).

About Samsung

Innovation that Connects the World

Since launching its first air conditioner in 1974, Samsung Electronics has continued to expand its presence as a global leader in HVAC innovation. Today, Samsung supports customers in 76 countries through more than 240 global bases and a worldwide network of manufacturing, research and development, design, and sales operations. Reflecting its continued innovation and global leadership, Samsung Electronics was ranked the world's 5th Best Global Brand in Interbrand's Best Global Brands 2025 and has maintained its position among the Top 5 global brands for six consecutive years.

At Samsung, we remain committed to advancing innovative climate solutions alongside connected digital technologies that enhance everyday environments. Our comprehensive HVAC portfolio includes residential and commercial air conditioning systems, heat pumps, ventilation solutions, domestic hot water systems, intelligent controls, and smart building technologies. Engineered for applications ranging from homes and apartments to retail, hospitality, healthcare, education, and office buildings, Samsung solutions combine energy efficiency, reliable performance, advanced comfort, and seamless connectivity to help create healthier, more sustainable spaces.

SAMSUNG

262,647 EMPLOYEES

7 DESIGN CENTERS

76 COUNTRIES

33 PRODUCTION SITES

240 GLOBAL BASES

15 REGIONAL OFFICES

40 R&D CENTERS

109 SALES OFFICES



Note: *as of 2025*

Why Samsung

Expanding our Cutting Edge Product Line

Samsung Electronics is known for pushing boundaries and transforming the world of air care. Our award-winning air conditioning systems are globally recognized for their innovative design, strong performance, and energy efficiency.

Using advanced technology, we have created a wide range of climate solutions for both residential and commercial applications. Our WindFree™ technology distributes air evenly without cold drafts, while the bladeless 360 Cassette uses booster fan technology and a circular design for enhanced room comfort. Samsung's Digital Inverter technology delivers fast cooling with improved energy efficiency, and Flash Injection technology provides reliable heating performance even in temperatures as low as -22°F (-30°C).

Despite these advanced features, Samsung systems remain easy to use. Along with intuitive remote controls featuring bright color displays, users can conveniently manage their air conditioner anytime and anywhere through a smartphone app. Reflecting Samsung's continued focus on innovation and comfort, the Samsung WindFree™* Premium has also been named a finalist for the 2026 ACHR All-Star Awards in the Residential Products category.









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

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Our History

Driving Innovation Forward

For more than 40 years, Samsung has been at the forefront of the air conditioning industry, driving innovation and redefining expectations for comfort and performance. By combining advanced technology with thoughtful design, we have continually developed solutions that meet the changing needs of customers around the world. Looking ahead, Samsung remains committed to shaping the future of cooling and heating and striving to set new standards of excellence across the industry.



1974
Began WAC Production



1985
Began Inverter RAC / FAC / PAC Production



2000
Launched DVM Water



2012
Launched Wi-Fi Control RAC (Jungfrau)



2015
Introduced the World's First 360 Cassette 30HP DVM

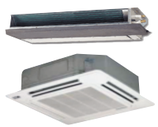


2018
Extended WindFree™ With a Range of Cassette Types

1975
Began RAC Production



1992
Began SAC Production



2007
Launched World's Largest Capacity DVM+4 (22HP, Max 88HP)



2013
Launched the Triangle Design RAC (A3050-Whisper)



2017
Launched WindFree™



2026
Launched DVM S2+, DVM Mini HP/HR, and EHS



Sustainability

Reduced Environmental Impact with R-32

As the North American HVAC industry transitions toward lower-GWP refrigerants, Samsung offers residential (RAC), commercial (CAC), and multi-zone (FJM) systems utilizing R-32 refrigerant. R-32 has a Global Warming Potential (GWP) of 675, significantly lower than R-410A's GWP of 2,088.

Compared to R-410A, R-32 has a lower Global Warming Potential (GWP), helping reduce environmental impact if released into the atmosphere. It is also non-toxic, recyclable, and has an Ozone Depletion Potential (ODP) of zero.

R-32 delivers high refrigeration capacity and thermal conductivity, supporting efficient system performance while requiring up to 30% less refrigerant charge volume than comparable R-410A systems.









Trusted Performance

Understanding HVAC Efficiency Ratings

Samsung HVAC systems are evaluated using industry-recognized performance standards to help customers compare efficiency and operating performance. In North America, air conditioning and heat pump systems are rated according to AHRI® 210/240 and applicable Department of Energy (DOE) testing procedures.

Key performance metrics include:

- **SEER2** (Seasonal Energy Efficiency Ratio) – Measures cooling efficiency over an entire cooling season.
- **EER2** (Energy Efficiency Ratio) – Measures cooling efficiency under specific operating conditions.
- **HSPF2** (Heating Seasonal Performance Factor) – Measures heating efficiency over an entire heating season for heat pump systems.

Many Samsung systems are ENERGY STAR® certified and ENERGY STAR® Cold Climate certified, helping consumers identify products that meet rigorous performance and efficiency requirements.

By providing transparent performance ratings and independently certified efficiency data, Samsung helps customers make informed decisions when selecting HVAC solutions for their homes and businesses.

Energy Star® Recognition

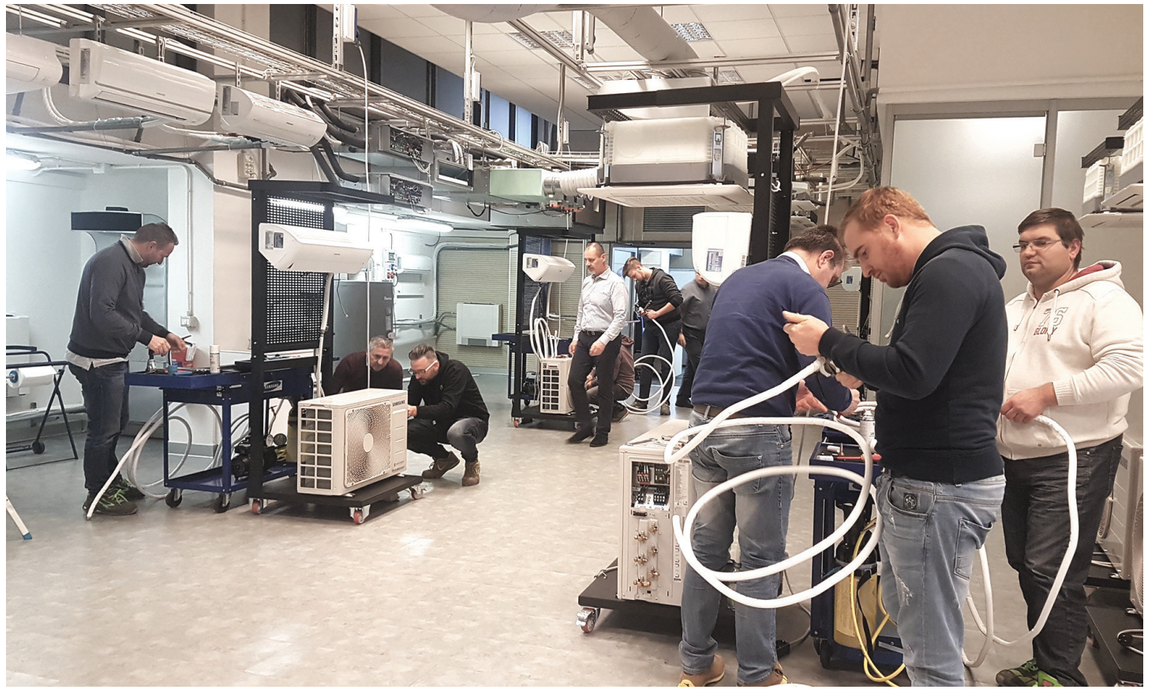
Many Samsung HVAC systems are ENERGY STAR® or ENERGY STAR® Cold Climate certified, demonstrating compliance with rigorous performance and efficiency criteria established by the U.S. Environmental Protection Agency. This recognition helps identify products designed to deliver reliable comfort while supporting responsible energy use and environmental sustainability across a wide range of climate conditions.

Training

Build Samsung HVAC Expertise

Samsung Business Academy (SBA)

Samsung Business Academy provides technical and product training for Samsung HVAC Partners, Dealers, Contractors, Specification Representatives, engineers and approved affiliates. The current curriculum builds capability across product fundamentals, installation, startup and commissioning, service and troubleshooting, controls, and system design. Learning is available through classroom, onsite, partner-location, live webinar and Online-On-Demand formats.



How to Access Training

1. Create Your SBA Account

Visit www.samsunghvac.com/training and select Register. Choose HVAC Partner or HVAC Contractor, complete the form and submit it for approval. Registration approvals are typically processed within one business day.

2. Find and Enroll

Sign in to SBA. Use Training Courses to search Online-On-Demand learning, or use the live-training calendar to locate classroom and webinar sessions. Select the course and click Launch or Request.

3. Complete and Track

Complete any required prerequisites and attend or launch the course. Use My Learning to track assignments, completions and training hours, and download your certificate of completion when available.

An active SBA account is required. Disable pop-up blockers when registering, enrolling or launching training. Course availability, delivery format and location vary.

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Available Training Paths

Residential/Light Commercial (RLC) Training - Installation
Installation, Startup & Basic Service

Course Objectives:

- Learn about the Residential Light Commercial product line.
- Understand indoor/outdoor unit parings and compatibilities.
- How to install wall units, ducted, cassette and console units.
- How to properly option code systems and use Smart Install.
- Perform testing to ensure all components are functioning properly.
- How to provide great owner education for ongoing use/ maintenance

Prerequisites:

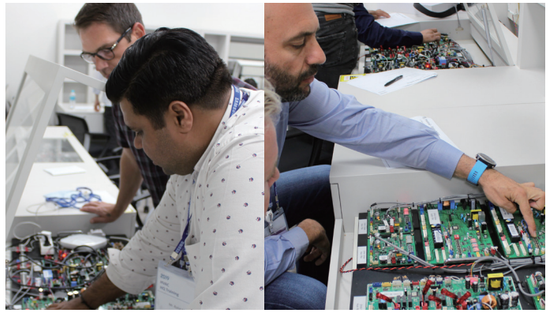
- Basic technical knowledge of commercial HVAC, heat pump, and applied systems.



Residential/Light Commercial (RLC) Training - Service
Installation, Startup & Service

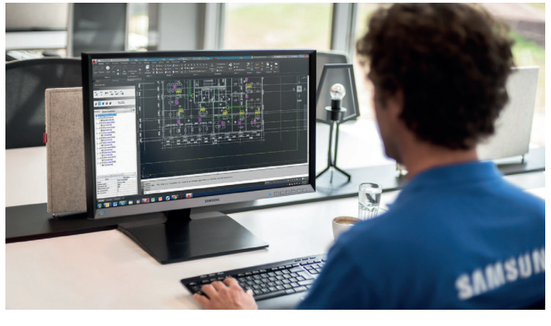
Course Objectives:

- Learn how to troubleshoot and diagnose issues for:
  - » Wall units
    - ◊ Ducted Units
    - ◊ Cassettes
    - ◊ Console Units
    - ◊ Outdoor Units (CAC/FJM/Standard ODU)
  - » Review and discuss the sequence of operations
  - » Review typical installation issues and how to resolve them
  - » Review and discuss typical piping, wiring and issues and how to resolve them
  - » Review and discuss typical wiring, refrigeration and electrical issues and how to resolve them
  - » Using Samsung HVAC service tools and troubleshooting techniques



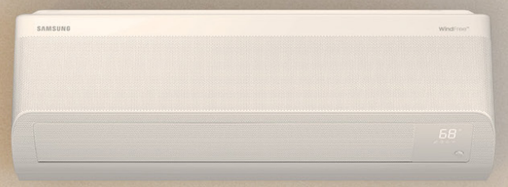
Design & Product Overview Courses
DVM Pro & Product Applications

- DVM Pro Sales Mode, CAD Mode and Designer courses
- Samsung Advantage – Residential
- Samsung Advantage – Light Commercial
- Samsung Advantage – Commercial
- Samsung Advantage – Controls + SmartThings
- SmartThings Pro Product
- SmartThings Pro Installation



Delivery format varies by course and may include classroom, onsite/partner location, live webinar and Online-On-Demand learning. Refer to SBA for current schedules, prerequisites and availability.

RESIDENTIAL



Comfort Designed for Modern Living

Samsung WindFree™* Residential Air Conditioners (RAC) are designed to deliver exceptional comfort, energy efficiency, and modern style for today's homes. WindFree™ Cooling helps maintain a pleasantly cool indoor environment while reducing direct cold drafts, creating a more comfortable space to relax, work, and sleep throughout the year.

Designed with a clean, modern aesthetic, Samsung indoor units blend naturally with a wide range of interior styles while enhancing the overall appearance of the space. Combined with advanced smart connectivity, energy-saving technologies, and simplified maintenance features, Samsung residential air conditioners provide a refined comfort solution that fits seamlessly into everyday living.

WindFree™ is a brand and a trademark of Samsung's unique technology for air conditioning systems that cools with "still air" and creates a still air comfort zone in the occupied zone.

Intertek

R-32

WORKS WITH SmartThings

*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 (American Society of Heating, Refrigerating, and Air Conditioning Engineers).

Why Choose Samsung Residential Air Conditioners

WindFree™ Comfort

Comfort Without Direct Cold Drafts
WindFree™ Cooling helps maintain a consistently comfortable indoor environment* by dispersing air gently through thousands of micro air holes, reducing the sensation of direct cold drafts while still delivering effective cooling performance. The result is a more pleasant and balanced indoor comfort experience throughout the day and night.

Energy Efficiency

Optimized Energy Savings
Advanced inverter technology and intelligent operating modes help optimize energy usage by adjusting system operation based on indoor conditions and cooling demand. This allows the system to maintain reliable heating and cooling performance while helping reduce unnecessary energy consumption throughout the year.

Modern Design

Designed to Complement Your Space
Samsung residential wall mount units feature a clean, modern design that blends naturally with a wide variety of interior styles, from contemporary to transitional living spaces.

Smart Connectivity

Convenient Control Anytime
Compatible smart control features and Samsung SmartThings integration allow users to remotely monitor and adjust system settings using a smartphone or connected device for greater convenience and flexibility. Whether at home or away, users can easily manage temperature settings, operating modes, and system functions to maintain a comfortable indoor environment.

Easy Maintenance

Simplified Cleaning and Serviceability
Samsung residential systems are designed with features that help simplify cleaning and improve service accessibility for easier long-term maintenance. Thoughtfully engineered components and maintenance-friendly designs help support reliable operation while reducing the time and effort required for routine upkeep and servicing.

WindFree™ Cooling



WindFree™ Premium / Max Heat® / Standard

Model No.
IDU: AR**DXDABWKNCV / AR**DXDABWKNCV / AR**DXFAMWKNCV
ODU: AR**DXDABWKXCV / AR**DXDACWKXCV / AR**DXFAMWKXCV

Available Capacities (Btu/h)
9,000 / 12,000 / 15,000 / 18,000 / 24,000 Max Heat®

WindFree™ IAQ

Model No.
IDU: AR**DXKAPWKNCV
ODU: AR**DXFAMWKXCV

Available Capacities (Btu/h)
9,000 / 12,000 / 15,000 / 18,000 / 24,000

36K BTU*

Model No.
IDU: AR36DXFUMGMNCV
ODU: AR36DXFUMGMXCV

Available Capacity (Btu/h)
36,000

Stay comfortably cool anytime, anywhere. Samsung Residential WindFree™ air conditioners gently disperse air through 23,000 micro air holes**, helping eliminate the unpleasant sensation of cold drafts. Their advanced airflow structure cools entire rooms quickly and evenly, delivering consistent comfort from corner to corner.

Samsung Residential WindFree™ mini split systems are available in Premium, Standard, and Max Heat categories. While all models feature the same WindFree™ indoor unit design, the outdoor units differentiate the product lines and performance levels. These systems continuously monitor ambient temperature and humidity, intelligently adjusting operation to maintain optimal comfort, while a range of advanced features makes installation, maintenance, and everyday control easier than ever. For climates with demanding conditions, Max Heat® models provide 100% heating performance down to -4°F (-20°C) and maintain high heating output even at temperatures as low as -22°F (-30°C).

Main Features

Comfort
WindFree™ Cooling
4-Way Swing
Quiet Operation
Advanced Air Flow
WindFree™ Dry Mode
Good Sleep Mode
AI Auto Cooling
Direct/Indirect Wind***
Max Heat®

Cost Saving
Low Energy Use
Motion Detect Sensor***
ECO Mode

Air Care
PM1.0 Filter (IAQ Models)
Auto Clean
Easy Filter Plus

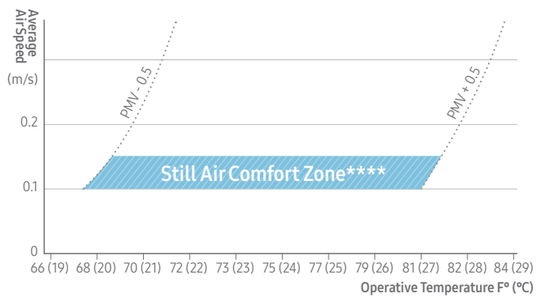
Control
SmartThings
Temperature Display
Beep Off

Install/Maintenance
Snap-fit Design
Roller Type Bracket
Triple Protector Plus
Freeze Wash

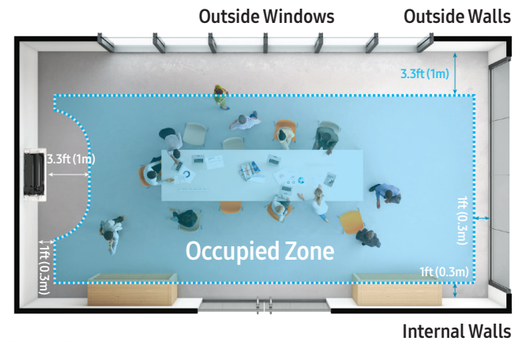
* The 36K BTU system does not have the WindFree™ Cooling feature.
** The number of micro air holes may vary based on the capacity of each model.
*** For Premium and Max Heat® models only

WindFree™, the only technology that cools with “still air”

Conventional air conditioners cool with direct airflow, often creating uncomfortable cold drafts. Samsung’s WindFree™ technology is the only system that cools with “still air.” By gently dispersing air through thousands of micro-holes, WindFree™ creates an evenly cool and comfortable environment throughout the occupied space. The result is consistent cooling without the sensation of direct cold airflow—redefining what true innovation and comfort feels like.



Still Air
In accordance with the definition of ASHRAE*, still air is an air flow moving at a speed of 0.15 m/s or slower, without creating cold drafts**. ASHRAE also defined still air as moving air for comfort***.



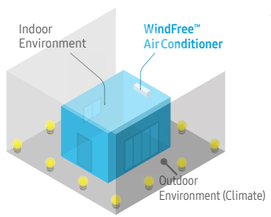
Occupied Zone
As defined by ASHRAE*, it’s a space between the floor and 6ft (1.8m) above the floor, and more than 3.3ft (1m) from any outside walls/windows or fixed heating, ventilation or air conditioning equipment and 1ft (0.3m) from internal walls.

WindFree™ Cooling - tested and proven

Cooler comfort indoors, proven with WindFree™ technology

To rigorously evaluate air conditioner performance under a variety of climate conditions, Samsung operates a specialized Test Lab featuring a full-scale house within a controlled environment. The facility can simulate and maintain precise outdoor weather conditions for testing.

In this test, with both indoor and outdoor temperatures set to 95°F (35°C), a WindFree™ wall mount installed in the house began cooling in Normal mode. After the room reached the target temperature of 77°F (25°C), the unit automatically switched to WindFree™ mode and maintained a stable indoor temperature of 77°F (25°C), ± 1°F (0.5°C) for more than eight hours.



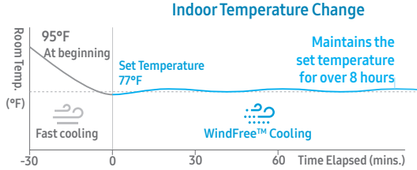
Test Conditions

- **Temperature:** Outdoor 95°F (35°C) (Sustained), Indoor 95°F (35°C) (At beginning)
- **Indoor Area:** 430.6 ft² (40m²)
- **Product:** WindFree™ Wall Mounted air conditioner 7.1kW model
- **Measurement:** Temperature distribution and consumed energy using Normal cooling and then WindFree™ Cooling

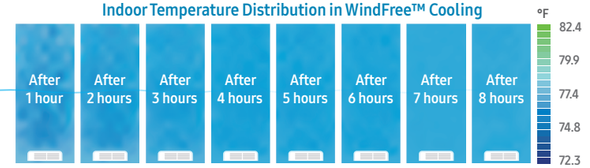
Test Results

- Using fast cooling, the room temperature reached the set temperature after 30 minutes.
- Mode changed to WindFree™, which maintained the indoor temperature 77°F ±1°F (25°C±0.5°C) while the outdoor temperature remained constant.

Indoor Temperature Change



Indoor Temperature Distribution in WindFree™ Cooling

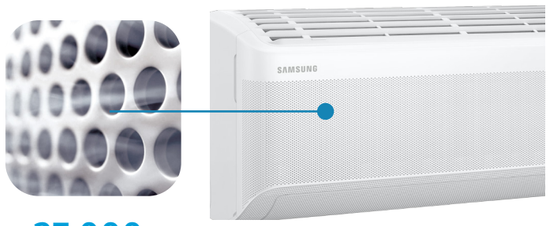


* American Society of Heating, Refrigerating and Air-Conditioning Engineers.
** ANSI/ASHRAE Standard 55-2013
*** ASHRAE Journal (May 2009).
**** Based on the original graph of ASHRAE STANDARD 55-2013, simplified to clearly show only ‘comfort zones’.

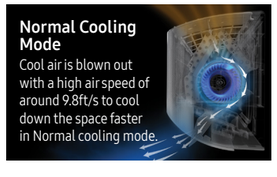
Stay cool without feeling cold

WindFree™ Cooling

Direct exposure to cold airflow can feel uncomfortable and unpleasant, and prolonged exposure may even contribute to illness if the body remains cold for an extended period. With WindFree™ technology, Samsung residential WindFree™ air conditioners deliver effective cooling without the uncomfortable sensation of cold air blowing directly onto your skin. Cool air is gently and evenly dispersed throughout the room through 23,000 micro air holes* measuring just 1.4mm in diameter. This creates a "still air" environment** with an exceptionally low air speed of only 0.15m/s, eliminating drafts that can cause discomfort. Because the cooling effect remains gentle and comfortable even during extended operation, WindFree™ technology is ideal for indoor spaces where people spend significant time, such as living rooms where family members gather and bedrooms designed for rest and relaxation.



23,000
Micro Air Holes*

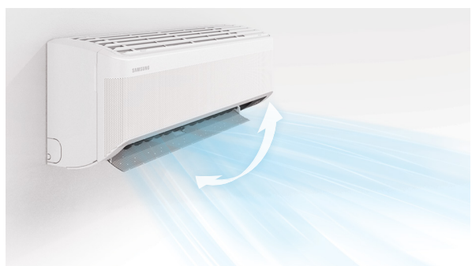




Distribute air to wherever you want

4-Way Swing

Create a comfortable environment with an even temperature in every corner of the room. The WindFree™ air conditioner features a 4-Way Swing*** function that allows you to remotely direct airflow toward a specific area or automatically distribute it in multiple directions. With both Auto Up/Down and Auto Left/Right Swing functions, air is evenly distributed for enhanced comfort and coverage.





* 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 .5ft (0.15m)/s, so people cannot feel any cold drafts.
***Available as an option on some models

COMFORT

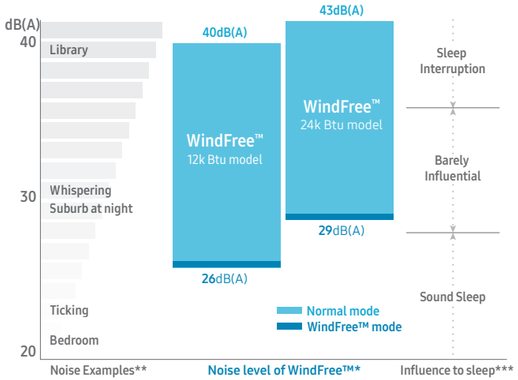
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Residential | WindFree™ Wall-Mount

Do not disturb

Quiet Operation

The WindFree™ air conditioner minimizes ambient noise while gently dispersing cool air throughout the room. It also requires no ductwork that may generate additional noise, ensuring quiet operation regardless of the installation conditions. Especially when operating in WindFree™ mode during summer nights, it produces only 26dB(A) of sound*, which is quieter than whispering. As a result, it helps ensure an undisturbed and restful night's sleep.



* Based on internal testing of a wall mounted WindFree™ air conditioner 12k Btu model (AR12DXDABWKNCV), which is usually installed in a bedroom, and a 24k Btu model (AR24DXDABWKNCV), which is usually installed in a living room. May vary depending on the actual usage conditions.

Stay dry when it's humid

WindFree™ Dry Mode

Even when ambient humidity levels are high, the WindFree™ Dry mode helps maintain a comfortably dry indoor environment. When this mode is selected using the remote control, the built-in Humidity Sensor continuously monitors room humidity and effectively dehumidifies the air without creating excessive noise or a chilly draft. As a result, you can enjoy enhanced comfort while hardly noticing that the system is operating.



Cool faster and farther

Advanced Air Flow Structure

The WindFree™ air conditioner cools rooms quickly from corner to corner, providing comfort whenever you want it and wherever you are in the room. Its advanced design features a 15% larger fan, an 18% wider air inlet, and a 31% wider blade*. As a result, cool air is distributed farther and more evenly into every corner of the room, reaching distances of up to 49 feet (15 meters)**.

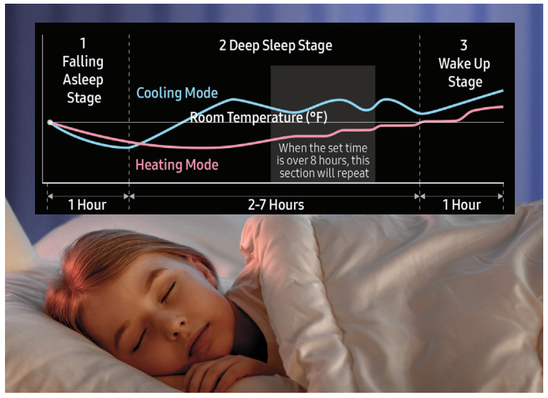


* Tested on the AR12DXDABWKNCV model compared with the Samsung conventional model AQ12EASER.
** Based on internal testing on the AR24DXDABWKNCV model in Fast mode, distance reaching more than 2ft (0.6m) height with 10in/s (0.25m/s) wind speed. May vary depending on individual usage.

Enjoy a good night's sleep

Good Sleep Mode

Get a great night's sleep every night with WindFree™ Good Sleep mode. Designed to create the ideal bedroom climate for sleeping, Good Sleep mode maintains comfort without the unpleasant sensation of cold airflow while using less energy than normal cooling mode. Its intelligent temperature control, combined with Wind-Free™ Cooling, helps keep you comfortable throughout the night. As a result, you can fall asleep faster, sleep more deeply and comfortably, and wake up feeling refreshed and ready for a new day. It may even help you gain precious minutes of otherwise lost sleep.



Living intelligently

AI Auto Cooling*

To simplify everyday comfort and improve energy efficiency, AI Auto Cooling automatically optimizes operating modes by analyzing room conditions and your usage patterns**. Based on your preferred temperature setting and the outdoor temperature, it intelligently selects the most appropriate mode, including Wind-Free™, Fast Cooling, or Normal Cooling. This helps maintain optimal indoor conditions while ensuring consistent comfort with minimal user intervention.



Step 1. Cools down the room fast with Fast Cooling mode.
Step 2. Sets the optimum humidity with Dehumidification mode.
Step 3. Once reached the set temperature, automatically changes to WindFree™ mode to maintain the desired temperature.

Built for harsh winter conditions

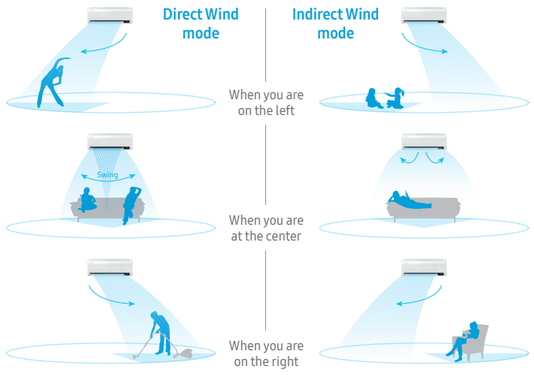
Max Heat®

Max Heat® outdoor units are engineered for dependable operation in cold climates. Snow Accumulation Prevention, a built-in base pan heater, and oval-shaped drain holes help reduce snow and ice buildup, improve drainage, and prevent refreezing during defrost cycles. The Snow Accumulation Prevention function periodically operates idle outdoor units when temperatures fall below 41°F (5°C) to help minimize snow buildup. Together, these features help maintain reliable heating performance while reducing the risk of interruptions during harsh winter weather.

Always comfortable, anywhere you are

Direct/Indirect Wind* (with Motion Detect Sensor)

Enjoy personalized comfort with airflow that adapts to your location. The Motion Detect Sensor tracks your movement and automatically adjusts the airflow direction based on the selected mode. Whether you prefer the air conditioner to avoid blowing directly on you or to follow you as you move around the room, it responds automatically. As a result, you can enjoy optimal comfort wherever you are without the need for manual adjustments.

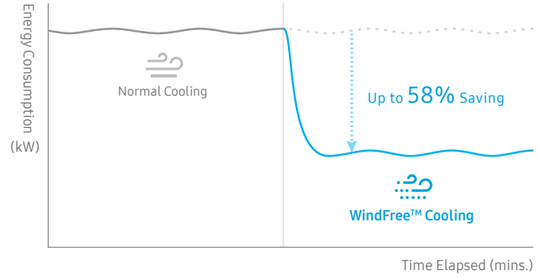


* Available on WindFree™ Premium and Max Heat models
** User data, preferences, and usage patterns are analyzed to recommend the most relevant settings and operating options.

Use 58% less energy and stay comfortable

Low Energy Consumption

Save money every day with the WindFree™ air conditioner's highly energy-efficient WindFree™ Cooling technology. When operating in WindFree™ mode, the outdoor unit consumes minimal power, using up to 58% less electricity than Normal Cooling mode*. Despite its reduced energy consumption, it continues to maintain a comfortably cool indoor environment**. The result is refreshing comfort that feels like stepping into a cool cave on a hot summer day.



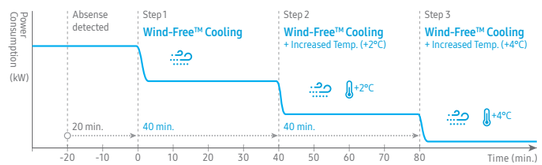
*Based on internal testing of the AM080JXVHGH/ET, AM015TNVDKH/EU, AM036TNVDKH/EU, AM045TNVDKH/EU, and AM082TNVDKH/EU models, comparing power consumption in Normal Cooling mode and WindFree™ Cooling mode under the following conditions: Outdoor temperature 95°F (35°C) DB / 75°F (24°C) WB; Indoor temperature 81°F (27°C) DB / 66°F (19°C) WB. Actual energy savings may vary depending on environmental conditions and individual usage patterns.
** Based on internal testing conducted in a laboratory environment using a 7.1 kW WindFree™ Wall-Mounted air conditioner and the test methodology described below.

Tracks your movement to save energy

Motion Detect Sensor

Cool your home efficiently whether you are there or not. The Motion Detect Sensor monitors room occupancy and, if no movement is detected for 20 minutes*, automatically switches to Wind-Free™ mode to help reduce energy consumption. After 40 minutes in Wind-Free™ mode, it increases the temperature setting by 3.6°F (2°C). After an additional 40 minutes, it either increases the temperature by another 3.6°F (2°C) while remaining in Wind-Free™ mode or enters standby (Soft Off) mode. As soon as movement is detected, the system automatically returns to normal operation. You can also choose settings that prevent airflow from blowing directly toward you or allow it to follow your movement throughout the room.



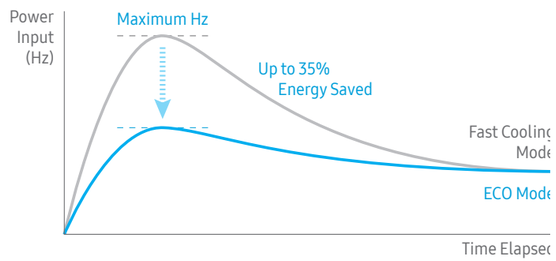


* The Motion Detect Sensor will start detecting the absence of movement after a minimum of 5 minutes and up to a maximum of 60 minutes. For Premium and Max Heat® models only.

Save energy & money and cool effectively

ECO Mode

Save energy while maintaining a cool and comfortable indoor environment. ECO mode operates with reduced compressor capacity compared to Normal mode, helping to lower energy consumption compared to conventional models*. This allows you to cool your space efficiently when outdoor temperatures are moderate or reduce energy use and operating costs at any time. As a result, you can enjoy reliable comfort while helping to manage electricity expenses. ECO mode can also help reduce strain on the local power grid during periods of peak demand, such as hot summer days.

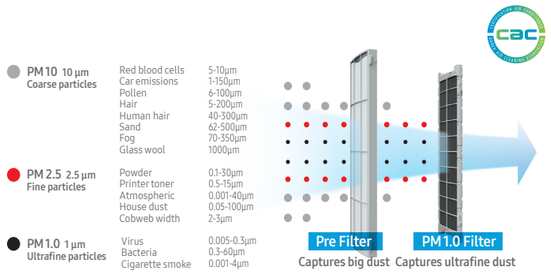


* Tested on the AR07T9170HA3 compared with Samsung conventional models, measuring the accumulated power consumption of Normal mode vs. ECO mode.

Quickly capture ultrafine dust

WindFree™ IAQ PMI1.0 Filter*

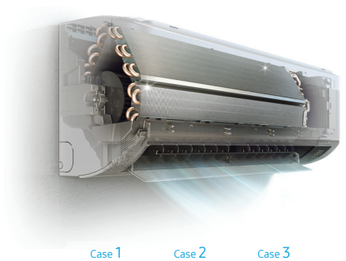
PM stands for particulate matter, which is measured in microns, also known as a micrometer, which is a unit of length equal to one millionth of a meter. We use this to measure the diameter of particulate matter in the air that can be inhaled and cause health problems. Some of these pollutants come from outdoors, and others come from indoor sources and activities such as cooking, cleaning, secondhand smoke, pets and more. Our WindFree™* IAQ puts an emphasis on indoor air quality, with a built in PM 1.0 electrostatic filter capable of removing ultra-fine dust particles as small as 1 micron.



Stay clean with less moisture

Auto Clean

When an air conditioner is turned off after operating in cooling mode, the difference between indoor and outdoor temperatures can cause moisture to condense on the heat exchanger. Over time, this moisture can create conditions that promote mold growth and lead to unpleasant odors. To help prevent this, the Samsung WindFree™ air conditioner features a humidity sensor and an Auto Clean function**. After operation, it automatically dries the heat exchanger using one of three drying methods, selecting the optimal process based on current temperature and humidity conditions. This helps prevent the buildup of bacteria and odors, keeping the unit cleaner and fresher.





Easy to clean filter

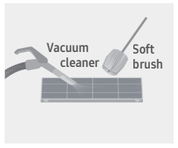
Easy Filter Plus

Keep your air conditioner operating efficiently with minimal maintenance***. The Easy Filter Plus features a dense mesh design that helps capture dust and keep the heat exchanger clean, supporting reliable performance and making routine maintenance quick and easy.

The Easy Filter Plus is also washable and reusable, and is conveniently located on the exterior top of the unit for easy removal and cleaning***. This allows you to continue enjoying clean, fresh air while reducing maintenance costs, as there is no need to frequently replace filters.

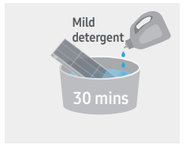


Step 01



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 air dry in a well-ventilated area, away from direct sunlight.

* The PM1.0 Filter is available only on the WindFree™ IAQ models.
** Only available on WindFree™ models that have a humidity sensor.
*** Recommended cleaning frequency: every 2 weeks.

Remote control - anytime, anywhere

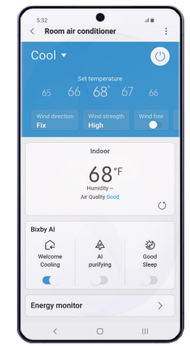
SmartThings

Control your home's temperature anytime, from anywhere. With the SmartThings App*, you can turn your air conditioner on or off, adjust the operating mode, and set the temperature directly from your smartphone. You can also create schedules to automatically start and stop your system based on your routine.

Whether you're at home or away, SmartThings gives you peace of mind by helping ensure your space stays comfortable while reducing unnecessary energy use. Enjoy efficient cooling and the confidence that your air conditioner isn't running when it's not needed.

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

SmartThings



Always know the room temperature

LED Temperature Display

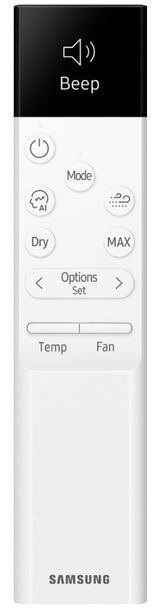
A large numeric display and clear, intuitive icons make it easy to view the room temperature and quickly check the status of your air conditioner—even from a distance.



Silent control for peace and quiet

Beep Off

When using the remote control, the air conditioner typically responds with a beep to confirm that it has received your command. If you prefer a quieter environment, simply activate the Beep Off function to mute the sound and enjoy a more peaceful atmosphere.

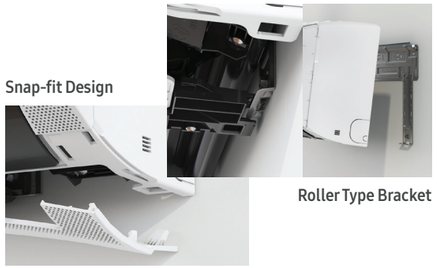


Quickly and easy installation and servicing

Snap-fit Design & a Roller Type Bracket

The WindFree™ air conditioner is designed for faster, easier installation and servicing. Its snap-fit bottom cover opens and closes without screws, providing convenient access for maintenance.

Unlike conventional mounting systems that require the unit to be aligned with fixed hooks, it features a roller-type bracket that simplifies installation. Simply mount the bracket to the wall, hang the air conditioner, and smoothly slide it into the desired position for a precise fit.



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.

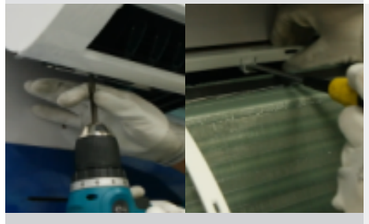
Easy Installation

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.

Triple Protector Plus

Triple Protector Plus technology helps safeguard the air conditioner from power surges and fluctuating electrical currents without the need for a separate voltage stabilizer*. An anti-corrosion coating also protects the condenser and cabinet, enhancing durability in harsh environmental conditions.



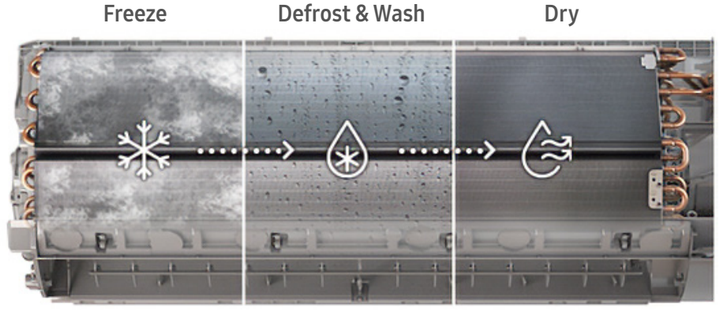
* Tested on the AR12TXEAAWKNEU model compared with the Samsung conventional model AS18FCMID.

Built-in heat exchanger cleaning

Freeze Wash

Keep the heat exchanger cleaner with Freeze Wash. The system quickly freezes and then defrosts the heat exchanger, allowing water to rinse away accumulated dust and contaminants. Intertek testing demonstrated a reduction of up to 95% of tested microorganisms* on the heat exchanger surface. It then dries any remaining moisture to help maintain cleaner operation and support long-term performance.

For added convenience, Freeze Wash can operate automatically while you're away using Unoccupied Auto Clean mode and notifies you when it's time to perform a cleaning cycle.



Quickly freezes the heat exchanger and covers it with frost

Defrosts the frost to rinse away dust and contaminants, reducing up to 95% of tested microorganisms.*

Dries away any remaining moisture

How it works:

Step 1 - Freezes at 5°F (-15°C)
Rapidly freezes the heat exchanger, covering it with frost.

Step 2 - Defrost (Fan Mode)
Defrosts the frost, allowing water to rinse away dust, contaminants, and up to 95% of tested microorganisms.*

Step 23- WindFree™ Dry
Dries away any remaining moisture to support cleaner operation and long-term performance.

Residential Systems Product Lineup

WindFree™ Wall-Mount	AR**DXDABWKNCV	AR**DXFAMWKNCV	AR**DXDABWKNCV	AR**DXKAPWKNCV	AR**DXFUMGMNCV
					
	WindFree™ Premium	WindFree™ Standard	WindFree™ Max Heat	WindFree™ IAQ	36K Wall Mount**
9,000 Btu/h	•	•	•	•	-
12,000 Btu/h	•	•	•	•	-
15,000 Btu/h	•	•	•	•	-
18,000 Btu/h	•	•	•	•	-
24,000 Btu/h	•	•	•	•	-
36,000 Btu/h	-	-	-	-	•

* Based on testing conducted by Intertek. Actual results may vary depending on the installation, operating conditions, and usage environment.
Test method: Escherichia coli (ATCC 8739) and Staphylococcus aureus (ATCC 6538) were applied to the surface of the heat exchanger. The Freeze Wash cycle was then performed, and the microorganism reduction rate was determined using the average results from three test samples.
** The 36K wall mount does not have the WindFree™ feature.

SPECIFICATIONS

Residential | System Specifications



WindFree™ Standard

WindFree™

Model	Indoor Unit Model Number (US Code)		AR09DXFAMWKNCV (RNX09AMD)	AR12DXFAMWKNCV (RNX12AMD)
	Outdoor Unit Model Number (US Code)		AR09DXFAMWKXCV (RXX09AMD)	AR12DXFAMWKXCV (RXX12AMD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	9,000 / 11,000	12,000 / 12,000
	Capacity Range	Cooling (Btu/h)	3,000 - 12,000	3,000 - 15,500
		Heating (Btu/h)	2,200 - 23,000	2,200 - 23,000
	AHRI 210-240 2023	SEER2	25.00	24.00
		EER2	15.00	13.25
		HSPF2 (region IV)	9.00	9.00
		5°F COP	1.91	1.76
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	1.1 / 3.1 / 4.5	1.1 / 4.8 / 6.2
		Heating (A)	1 / 3.8 / 10	1 / 4.6 / 10
	Max. Breaker	Amps	20.0	20.0
	Min. Circuit Ampacity	Amps	12.0	12.0
Dimensions	W X H X D (in.)	Indoor Unit	32 5/16 X 11 3/4 X 8 7/16	32 5/16 X 11 3/4 X 8 7/16
		Outdoor Unit	31 1/8 X 21 9/16 X 11 1/4	31 1/8 X 21 9/16 X 11 1/4
	Weight (lbs.)	Indoor Unit	20.30	20.30
		Outdoor Unit	69.20	69.20
Sound Pressure Level	Indoor Unit dB(A)	Silent / High	22 / 38	22 / 39
	Outdoor Unit dB(A)	Cooling (high)	45	46
Operating Temperatures	Outdoor	Cooling	14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)
		Heating	-5 - 75°F (-20.6 - 24°C)	-5 - 75°F (-20.6 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	3/8	3/8
	Maximum (ft.)		66	66
	Maximum Vertical Separation (ft.)		49	49
	Condensate Connection		11/16" OD	11/16" OD
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge	oz.	34.0	34.0
	Charged for		24.6 ft.	24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	9.2	9.2
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	FLA	Amps	0.12	0.12
	Output	Watts	27.0	27.0
Airflow	Air Volume (L/M/H/ Turbo)	Cooling (CFM)	297 / 328 / 346 / 364	297 / 328 / 364 / 378
		Heating (CFM)	328 / 364 / 378 / 396	328 / 364 / 396 / 413
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	FLA / Watts / CFM (max.)		0.42 / 40 / 1,589	0.42 / 40 / 1,589
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 240 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Residential | System Specifications

AR15DXFAMWKNCV (RNX15AMD)	AR18DXFAMWKNCV (RNX18AMD)	AR24DXFAMWKNCV (RNX24AMD)
AR15DXFAMWKXCV (RXX15AMD)	AR18DXFAMWKXCV (RXX18AMD)	AR24DXFAMWKXCV (RXX24AMD)
15,000 / 15,000	18,000 / 21,000	22,000 / 24,000
5,500 - 20,000	4,500 - 22,000	8,200 - 29,000
4,000 - 26,000	4,000 - 27,500	6,500 - 40,000
21.50	21.50	20.00
12.95	12.85	12.20
10.00	9.00	8.00
2.38	2.09	1.92
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
2 / 5.3 / 8	1.7 / 6.2 / 8.6	2.5 / 8 / 13.5
2.2 / 5.2 / 10.1	1.6 / 8 / 10.1	2.6 / 10.5 / 17.9
25.0	30.0	30.0
16.0	21.0	21.0
41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16
34 5/8 X 25 1/8 X 12 3/16	34 5/8 X 31 7/16 X 12 3/16	37 X 39 5/16 X 13
25.40	25.40	25.40
83.30	108.00	150.40
27 / 41	27 / 41	30 / 45
51	51	54
14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)
-5 - 75°F (-20.6 - 24°C)	-5 - 75°F (-20.6 - 24°C)	-5 - 75°F (-20.6 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
1/4	1/4	1/4
1/2	1/2	5/8
98	98	98
66	66	66
11/16" OD	11/16" OD	11/16" OD
R-32	R-32	R-32
Not Included	Not Included	Not Included
40.6	52.9	70.6
24.6 ft.	24.6 ft.	24.6 ft.
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
15.2	15.2	7.8
BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
0.12	0.12	0.12
27.0	27.0	27.0
445 / 494 / 540 / 586	445 / 494 / 540 / 586	445 / 516 / 586 / 657
445 / 494 / 540 / 586	445 / 494 / 540 / 586	445 / 516 / 586 / 657
BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
0.42 / 40 / 1,766	1.25 / 125 / 2,013	1.25 / 125 / 2,825
ISO-9227	ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Residential | System Specifications



WindFree™ Premium

Model	Indoor Unit Model Number (US Code)		AR09DXDABWKNCV (RNX09ABD)	AR12DXDABWKNCV (RNX12ABD)
	Outdoor Unit Model Number (US Code)		AR09DXDABWKXCV (RXX09ABD)	AR12DXDABWKXCV (RXX12ABD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	9,000 / 11,000	12,000 / 12,000
	Capacity Range	Cooling (Btu/h)	3,000 - 13,000	3,000 - 16,000
		Heating (Btu/h)	2,400 - 23,000	2,600 - 24,000
	AHRI 210-240 2023	SEER2	25.00	24.00
		EER2	16.35	14.10
		HSPF2 (region IV)	10.50	10.50
		5°F COP	2.19	2.09
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	1.1 / 2.8 / 4.5	1.2 / 4.2 / 6.3
		Heating (A)	1 / 3.4 / 9	1.1 / 3.8 / 10
	Max. Breaker	Amps	20.0	20.0
	Min. Circuit Ampacity	Amps	12.0	12.0
Dimensions	W X H X D (in.)	Indoor Unit	35 X 11 3/4 X 8 7/16	35 X 11 3/4 X 8 7/16
		Outdoor Unit	31 1/8 X 21 9/16 X 11 1/4	31 1/8 X 21 9/16 X 11 1/4
	Weight (lbs.)	Indoor Unit	23.10	23.10
		Outdoor Unit	69.20	69.20
Sound Pressure Level	Indoor Unit dB(A)	Silent / High	22 / 38	22 / 39
	Outdoor Unit dB(A)	Cooling (high)	45	46
Operating Temperatures	Outdoor	Cooling	14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)
		Heating	-5 - 75°F (-20.6 - 24°C)	-5 - 75°F (-20.6 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	3/8	3/8
	Maximum (ft.)		66	66
	Maximum Vertical Separation (ft.)		49	49
	Condensate Connection		11/16" OD	11/16" OD
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge	oz.	34.0	34.0
	Charged for		24.6 ft.	24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	9.2	9.2
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	FLA	Amps	0.12	0.12
	Output	Watts	27.0	27.0
Airflow	Air Volume (L/M/H/ Turbo)	Cooling (CFM)	251 / 304 / 357 / 392	251 / 321 / 374 / 427
		Heating (CFM)	286 / 339 / 392 / 427	286 / 357 / 410 / 463
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	FLA / Watts / CFM (max.)		0.42 / 40 / 1,589	0.42 / 40 / 1,589
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 240 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Residential | System Specifications

AR15DXDABWKNCV (RNX15ABD)	AR18DXDABWKNCV (RNX18ABD)	AR24DXDABWKNCV (RNX24ABD)
AR15DXDABWKXCV (RXX15ABD)	AR18DXDABWKXCV (RXX18ABD)	AR24DXDABWKXCV (RXX24ABD)
15,000 / 15,000	18,500 / 20,000	22,000 / 25,000
4,500 - 22,000	7,500 - 25,000	8,500 - 31,000
4,500 - 35,000	7,500 - 41,000	7,500 - 42,500
23.00	21.00	20.00
14.55	13.20	12.80
11.00	9.70	9.50
2.50	2.05	2.04
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
1.7 / 4.8 / 8.6	2.5 / 6.5 / 11.2	2.7 / 7.8 / 13.7
1.6 / 4.3 / 15.5	2.6 / 7 / 18	2.6 / 9 / 18.5
25.0	30.0	30.0
16.0	21.0	21.0
41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16
34 5/8 X 31 7/16 X 12 3/16	37 X 39 5/16 X 13	37 X 39 5/16 X 13
27.30	27.30	27.30
108.00	150.40	150.40
25 / 41	25 / 42	28 / 47
48	51	54
14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)
-5 - 75°F (-20.6 - 24°C)	-5 - 75°F (-20.6 - 24°C)	-5 - 75°F (-20.6 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
1/4	1/4	1/4
1/2	1/2	5/8
98	98	98
66	66	66
11/16" OD	11/16" OD	11/16" OD
R-32	R-32	R-32
Not Included	Not Included	Not Included
52.9	70.6	70.6
24.6 ft.	24.6 ft.	24.6 ft.
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
15.2	7.8	7.8
BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
0.12	0.12	0.12
27.0	27.0	27.0
399 / 466 / 533 /579	399 / 466 / 533 / 579	445 / 533 / 622 / 713
424 / 491 / 554 / 600	424 / 491 / 554 / 600	445 / 533 / 622 / 713
BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
1.25 / 125 / 2,013	1.25 / 125 / 2,825	1.25 / 125 / 2,825
ISO-9227	ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Residential | System Specifications



WindFree™ Max Heat

Model	Indoor Unit Model Number (US Code)		AR09DXDABWKNCV (RNX09ABD)	AR12DXDABWKNCV (RNX12ABD)
	Outdoor Unit Model Number (US Code)		AR09DXDACWKXCV (RXX09ACD)	AR12DXDACWKXCV (RXX12ACD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	9,000 / 11,000	12,000 / 12,000
	Capacity Range	Cooling (Btu/h)	3,000 - 13,000	3,000 - 16,000
		Heating (Btu/h)	2,400 - 23,000	2,600 - 24,000
	AHRI 210-240 2023	SEER2	25.00	24.00
		EER2	16.35	14.10
		HSPF2 (region IV)	10.50	10.50
		5°F COP	2.19	2.09
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	1.1 / 2.8 / 4.5	1.2 / 4.2 / 6.3
		Heating (A)	1 / 3.4 / 9	1.1 / 3.8 / 10
	Max. Breaker	Amps	20.0	20.0
	Min. Circuit Ampacity	Amps	12.0	12.0
Dimensions	W X H X D (in.)	Indoor Unit	35 X 11 3/4 X 8 7/16	35 X 11 3/4 X 8 7/16
		Outdoor Unit	31 1/8 X 21 9/16 X 11 1/4	31 1/8 X 21 9/16 X 11 1/4
	Weight (lbs.)	Indoor Unit	23.10	23.10
		Outdoor Unit	71.00	71.00
Sound Pressure Level	Indoor Unit dB(A)	Silent / High	22 / 38	22 / 39
	Outdoor Unit dB(A)	Cooling (high)	45	46
Operating Temperatures	Outdoor	Cooling	0 - 115°F (-18 - 46°C)	0 - 115°F (-18 - 46°C)
		Heating	-22 - 75°F (-30 - 24°C)	-22 - 75°F (-30 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	3/8	3/8
	Maximum (ft.)		66	66
	Maximum Vertical Separation (ft.)		49	49
	Condensate Connection		11/16" OD	11/16" OD
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge	oz.	34.0	34.0
	Charged for		24.6 ft.	24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	9.2	9.2
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	FLA	Amps	0.12	0.12
	Output	Watts	27.0	27.0
Airflow	Air Volume (L/M/H/ Turbo)	Cooling (CFM)	251 / 304 / 357 / 392	251 / 321 / 374 / 427
		Heating (CFM)	286 / 339 / 392 / 427	286 / 357 / 410 / 463
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	FLA / Watts / CFM (max.)		0.42 / 40 / 1,589	0.42 / 40 / 1,589
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 240 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Residential | System Specifications

AR15DXDABWKNCV (RNX15ABD)	AR18DXDABWKNCV (RNX18ABD)	AR24DXDABWKNCV (RNX24ABD)
AR15DXDACWKXCV (RXX15ACD)	AR18DXDACWKXCV (RXX18ACD)	AR24DXDACWKXCV (RXX24ACD)
15,000 / 15,000	18,500 / 20,000	22,000 / 25,000
4,500 - 22,000	7,500 - 25,000	8,500 - 31,000
4,500 - 35,000	7,500 - 41,000	7,500 - 42,500
23.00	21.00	20.00
14.55	13.20	12.80
11.00	9.70	9.50
2.50	2.05	2.04
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
1.7 / 4.8 / 8.6	2.5 / 6.5 / 11.2	2.7 / 7.8 / 13.7
1.6 / 4.3 / 15.5	2.6 / 7 / 18	2.6 / 9 / 18.5
30.0	30.0	30.0
16.0	21.0	21.0
41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16
34 5/8 X 31 7/16 X 12 3/16	37 X 39 5/16 X 13	37 X 39 5/16 X 13
27.30	27.30	27.30
108.00	150.40	150.40
25 / 41	25 / 42	28 / 47
48	51	54
0 - 115°F (-18 - 46°C)	0 - 115°F (-18 - 46°C)	0 - 115°F (-18 - 46°C)
-22 - 75°F (-30 - 24°C)	-22 - 75°F (-30 - 24°C)	-22 - 75°F (-30 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
1/4	1/4	1/4
1/2	1/2	5/8
98	98	98
66	66	66
11/16" OD	11/16" OD	11/16" OD
R-32	R-32	R-32
Not Included	Not Included	Not Included
52.9	70.6	70.6
24.6 ft.	24.6 ft.	24.6 ft.
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
15.2	7.8	7.8
BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
0.12	0.12	0.12
27.0	27.0	27.0
399 / 466 / 533 /579	399 / 466 / 533 / 579	445 / 533 / 622 / 713
424 / 491 / 554 / 600	424 / 491 / 554 / 600	445 / 533 / 622 / 713
BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
1.25 / 125 / 2,013	1.25 / 125 / 2,825	1.25 / 125 / 2,825
ISO-9227	ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Residential | System Specifications



WindFree™ IAQ

WindFree™

Model	Indoor Unit Model Number (US Code)		AR09DXKAPWKNCV (RNX09APD)	AR12DXKAPWKNCV (RNX12APD)
	Outdoor Unit Model Number (US Code)		AR09DXFAMWKXCV (RXX09AMD)	AR12DXFAMWKXCV (RXX12AMD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	9,000 / 11,000	12,000 / 12,000
	Capacity Range	Cooling (Btu/h)	3,000 - 12,000	3,000 - 15,500
		Heating (Btu/h)	2,200 - 23,000	2,200 - 23,000
	AHRI 210-240 2023	SEER2	25.00	24.00
		EER2	15.00	13.25
		HSPF2 (region IV)	9.00	9.00
		5°F COP	1.91	1.76
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	1.1 / 3.1 / 4.5	1.1 / 4.8 / 6.2
		Heating (A)	1 / 3.8 / 10	1 / 4.6 / 10
	Max. Breaker	Amps	20.0	20.0
	Min. Circuit Ampacity	Amps	12.0	12.0
Dimensions	W X H X D (in.)	Indoor Unit	32 5/16 X 13 9/16 X 8 7/16	32 5/16 X 13 9/16 X 8 7/16
		Outdoor Unit	31 1/8 X 21 9/16 X 11 1/4	31 1/8 X 21 9/16 X 11 1/4
	Weight (lbs.)	Indoor Unit	23.10	23.10
		Outdoor Unit	69.20	69.20
Sound Pressure Level	Indoor Unit dB(A)	Silent / High	22 / 38	22 / 39
	Outdoor Unit dB(A)	Cooling (high)	45	46
Operating Temperatures	Outdoor	Cooling	14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)
		Heating	-5 - 75°F (-20.6 - 24°C)	-5 - 75°F (-20.6 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	3/8	3/8
	Maximum (ft.)		66	66
	Maximum Vertical Separation (ft.)		49	49
	Condensate Connection		11/16" OD	11/16" OD
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge	oz.	34.0	34.0
	Charged for		24.6 ft.	24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	9.2	9.2
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	FLA	Amps	0.12	0.12
	Output	Watts	27.0	27.0
Airflow	Air Volume (L/M/H/ Turbo)	Cooling (CFM)	297 / 346 / 378 / 413	297 / 346 / 396 / 427
		Heating (CFM)	328 / 378 / 413 / 445	328 / 378 / 427 / 459
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	FLA / Watts / CFM (max.)		0.42 / 40 / 1,589	0.42 / 40 / 1,589
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 240 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Residential | System Specifications

AR15DXKAPWKNCV (RNX15APD)	AR18DXKAPWKNCV (RNX18APD)	AR24DXKAPWKNCV (RNX24APD)
AR15DXFAMWKXCV (RXX15AMD)	AR18DXFAMWKXCV (RXX18AMD)	AR24DXFAMWKXCV (RXX24AMD)
15,000 / 15,000	18,000 / 21,000	22,000 / 24,000
5,500 - 20,000	4,500 - 22,000	8,200 - 29,000
4,000 - 26,000	4,000 - 27,500	6,500 - 40,000
21.50	21.50	20.00
12.95	12.85	12.20
10.00	9.00	8.00
2.38	2.09	1.92
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
2 / 5.3 / 8	1.7 / 6.2 / 8.6	2.5 / 8 / 13.5
2.2 / 5.2 / 10.1	1.6 / 8 / 10.1	2.6 / 10.5 / 17.9
25.0	30.0	30.0
16.0	21.0	21.0
41 9/16 X 13 9/16 X 8 7/16	41 9/16 X 13 9/16 X 8 7/16	41 9/16 X 13 9/16 X 8 7/16
34 5/8 X 25 1/8 X 12 3/16	34 5/8 X 31 7/16 X 12 3/16	37 X 39 5/16 X 13
28.90	28.90	28.90
83.30	108.00	150.40
27 / 41	27 / 41	30 / 45
51	51	54
14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)
-5 - 75°F (-20.6 - 24°C)	-5 - 75°F (-20.6 - 24°C)	-5 - 75°F (-20.6 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
1/4	1/4	1/4
1/2	1/2	5/8
98	98	98
66	66	66
11/16" OD	11/16" OD	11/16" OD
R-32	R-32	R-32
Not Included	Not Included	Not Included
40.6	52.9	70.6
24.6 ft.	24.6 ft.	24.6 ft.
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
15.2	15.2	7.8
BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
0.12	0.12	0.12
27.0	27.0	27.0
438 / 501 / 544 / 586	438 / 501 / 544 / 586	438 / 523 / 586 / 646
438 / 501 / 544 / 586	438 / 501 / 544 / 586	438 / 523 / 586 / 646
BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
0.42 / 40 / 1,766	1.25 / 125 / 2,013	1.25 / 125 / 2,825
ISO-9227	ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Residential | System Specifications



36K BTU

Model	**Indoor Unit Model Number (US Code)**		**AR36DXFUMGMNCV (RNX36UMD)**
	Outdoor Unit Model Number (US Code)		**AR36DXFUMGMXCV (RXX36UMD)**
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	33,000 / 40,000
	Capacity Range	Cooling (Btu/h)	12,000 - 45,000
		Heating (Btu/h)	10,000 - 54,000
	AHRI 210-240 2023	SEER2	20.00
		EER2	12.00
		HSPF2 (region IV)	9.00
		5°F COP	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	2.1 / 15.0 / 24.0
		Heating (A)	3.0 / 20.0 / 24.0
	Max. Breaker	Amps	40.0
	Min. Circuit Ampacity	Amps	35.8
Dimensions	W X H X D (in.)	Indoor Unit	50 3/8 X 10 X 13 5/8
		Outdoor Unit	37 X 55 7/8 X 13
	Weight (lbs.)	Indoor Unit	40.80
		Outdoor Unit	211.60
Sound Pressure Level	Indoor Unit dB(A)	L / M / H / Turbo	38 / 46 / 48 / 51
	Outdoor Unit dB(A)	Cooling / Heating (high)	50 / 52
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)
			-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	3/8
		Low side (In.)	5/8
	Maximum (ft.)		246
	Maximum Vertical Separation (ft.)		98
	Condensate Connection		11/16" OD
Refrigerant	Type		R-32
	A2L Leak Detection		Not Included
	Factory Charge	oz.	123.5
	Charged for		24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary
	RLA	Amps	22.6
Evaporator Fan	Type		BLDC motor with cross-flow fan
	Output	Watts	58
Airflow	Air Volume (L/M/H)	Cooling (CFM)	699 / 752 / 830
		Heating (CFM)	699 / 752 / 830
Condenser Fan	Type		BLDC With Axial Type Fan (2)
	MOC / Watts / CFM (max.)		1.2A X 2 / 125W X 2 / 4,415
Corrosion Prevention	ISO-9227 - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		
Safety	Certifications	UL 60335-2-40	
	Devices	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	
	Battery Chemistry	(Remote Control only) Lithium Ion	

LIGHT COMMERCIAL

OUTDOOR UNITS

Seamless comfort at work or home

Air conditioning has become an essential part of everyday life, helping to improve productivity in the workplace and enhance comfort at home by creating a more enjoyable indoor environment. It can also serve as the finishing touch to your interior design. Combining innovative technologies, Samsung Light Commercial (CAC) systemsdeliver superior performance, flexible installation, and easy operation. They also feature sleek finishes and a variety of stylish designs, making them the perfect complement to virtually any space.



Why Choose Samsung Light Commercial Air Conditioners

WindFree™ Comfort

Everyday Comfort While Saving Energy

WindFree™ Cooling helps maintain a consistently comfortable indoor environment* by dispersing air gently through thousands of micro air holes, reducing the sensation of direct cold drafts while still delivering effective cooling performance. The result is a more pleasant and balanced indoor comfort experience throughout the day and night.

Versatile

Wide Range of Indoor Types and Capacities

From cassette type to ducted units, choose from an extensive line-up of light commercial indoor air conditioning systems with various capacities to perfectly meet every required application.

Modern Design

Outstanding Style with Relentless Innovation

Samsung residential and light commercial indoor units are designed to complement and enhance virtually any interior, with many models earning recognition through prestigious design awards.

Smart Technology

Smart Control and Connectivity

Take convenience to the next level with SmartThings. Connect your air conditioner to your smartphone and other smart devices for seamless control, enhanced connectivity, and greater ease of use.

Flexible

Flexible Installation and Easy Maintenance

Enjoy air conditioning in more places with compact, lightweight indoor units that are easy to install and maintain. Designed to save time, reduce installation effort, and lower overall costs, they offer greater flexibility without compromising performance.

Efficiency

Digital Inverter Compressors

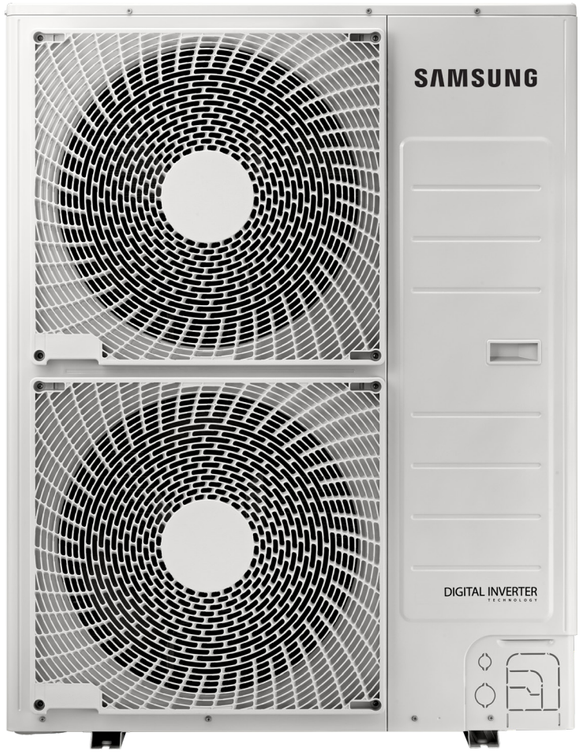
Samsung's Digital Inverter technology automatically adjusts compressor speed to maintain consistent comfort while reducing energy consumption. The result is quieter, more efficient operation and lower operating costs.

All-Year Comfort

Year-round Climate Control

Enjoy reliable comfort in demanding climates with advanced temperature control and fast heating and cooling performance.

Certain Samsung Light Commercial systems are equipped with WindFree™ Cooling.



Large-capacity outdoor unit shown. Smaller-capacity units may differ in size and appearance.

CAC Outdoor Unit

Premium
Model No.
AC0**DXSCCG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 18,000 / 24,000 / 30,000 / 36,000 / 48,000

Standard
Model No.
AC0**DXADCG/AA

Available Capacities (Btu/h)
18,000 / 24,000 / 30,000 / 36,000 / 48,000

-40 Cooling Only
Model No.
AC0**DXSCCF/AA

Available Capacities (Btu/h)
18,000 / 24,000 / 30,000 / 36,000

Samsung CAC Outdoor Units are designed to deliver reliable comfort, energy efficiency, and flexible system performance across a wide range of commercial and light commercial applications. Compatible with a variety of indoor unit types, they allow businesses to create comfortable environments tailored to the unique requirements of different spaces while helping manage operating costs through advanced Digital Inverter technology.

Whether the application calls for everyday comfort, cooling performance in low ambient temperatures as low as -13°F, or specialized cooling operation in extreme conditions down to -40°F, the CAC Outdoor Unit lineup offers a solution for a wide range of project needs. Samsung CAC Outdoot Units deliver dependable performance while automatically optimizing operation to help reduce energy consumption and operating costs.

Main Features

Efficiency
Digital Inverter Tech
World-Class Efficiency

All-Year Comfort
Wide Operating Range
Fast Cooling & Heating
2-Step Cooling

Design
Cold Climate Design

Flexibility
Universal Outdoor Units
4-Way Piping

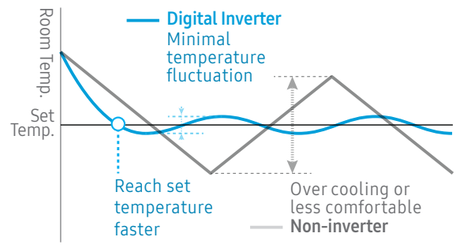


Optimized efficiency, lower operating costs

Digital Inverter Technology
Save money every day with Samsung's highly energy-efficient Digital Inverter technology. Unlike conventional fixed-speed compressors that repeatedly start and stop, the Digital Inverter compressor automatically adjusts its speed in response to changing room conditions.

By maintaining the desired temperature with minimal fluctuation, it helps optimize comfort while reducing energy consumption and lowering operating costs.





Proven energy savings

World-Class Efficiency
The CAC Premium helps reduce energy consumption and operating costs with outstanding seasonal efficiency. All CAC Premium models achieve high SEER2 and HSPF2 ratings, reflecting their highly efficient cooling and heating performance throughout the year. By optimizing energy use across changing operating conditions, the system helps minimize electricity consumption while maintaining reliable comfort.

Reliable comfort, even in extreme climates

Wide Operating Temperature Range

Samsung CAC outdoor units are designed to deliver reliable heating and cooling performance across a wide range of ambient conditions. Whether providing year-round comfort, extended low-ambient heating, or specialized cooling in extreme environments, each model is engineered to perform in demanding applications.

CAC Premium:

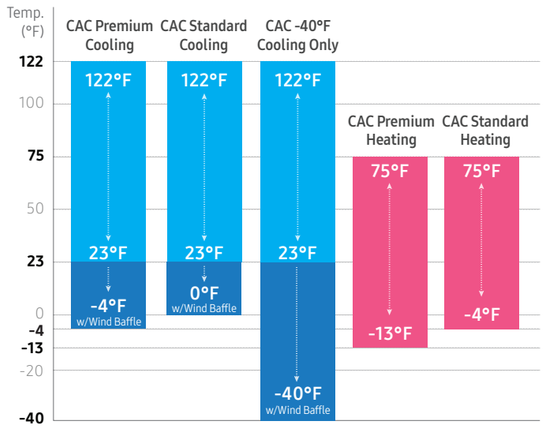
- Cooling operation: 23°F to 122°F (-5°C to 50°C), or -13°F to 122°F (-25°C to 50°C) with a wind baffle.
- Heating operation: -4°F to 75°F (-20°C to 24°C).

CAC Standard:

- Cooling operation: 23°F to 122°F (-5°C to 50°C), or 0°F to 122°F (-18°C to 50°C) with a wind baffle.
- Heating operation: -4°F to 75°F (-20°C to 24°C).

CAC-40°F Cooling Only:

- Specialized cooling operation: 23°F to 122°F (-5°C to 50°C), or -40°F to 122°F (-40°C to 50°C) with a wind baffle.



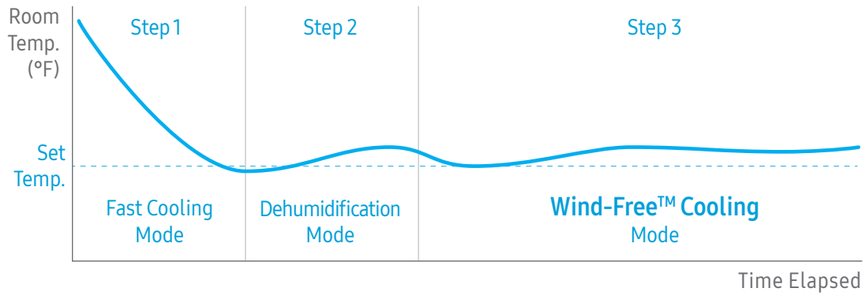
Fast and efficient comfort across a wide range of conditions

Fast Cooling & Heating

The Samsung CAC Standard and CAC Premium systems are designed to quickly achieve the desired indoor temperature, helping create a comfortable environment with minimal delay. By utilizing maximum compressor capacity when needed, the systems deliver fast, responsive heating and cooling performance.

2-Step Cooling

Once the desired indoor temperature is reached, Samsung CAC outdoor units automatically transition to a second stage of operation that fine-tunes performance as conditions change. This two-step operation helps minimize temperature fluctuations, maintain consistent comfort, and improve operating efficiency.



Designed to perform in freezing conditions

Cold Climate Design

The CAC Premium and -40 Cooling Only unit incorporates design features specifically developed for low-ambient operation. An enlarged cabinet grille minimizes snow buildup around the outdoor unit, while an integrated 150 W base heater helps prevent condensate from freezing in the base pan. For specialized applications, the CAC -40°F Cooling Only model is engineered for cooling operation in extreme low ambient temperatures, helping maintain reliable performance in demanding cold-weather conditions.

Enlarged Cabinet Grid

- Prevents damage from snow drifts

Base Pan Heater

- Prevents water condensation from freezing



Compatible with a wide range of indoor units

Universal Outdoor Units

Samsung CAC outdoor units are available in a variety of capacities and are compatible with a wide range of Samsung indoor solutions, including WindFree™ air conditioners, 360 Cassettes, ducted systems, wall-mounted and console units.

This broad selection of compatible indoor units provides the flexibility to create a system tailored to the unique comfort and installation requirements of virtually any commercial space.



360 Cassette



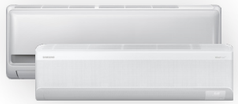
4-Way Cassette
WindFree™



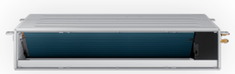
Mini 4-Way Cassette
WindFree™



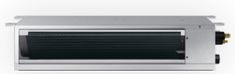
1-Way Cassette
WindFree™



Wall Mount
WindFree™



Duct S



Slim Duct



Console



MPAH













* Available on certain models.

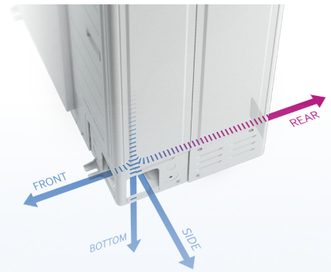
FLEXIBILITY

More piping options, greater installation flexibility

4-Way Piping

Install and service your outdoor unit more easily in a wider range of locations. Unlike conventional front-discharge models, the Samsung CAC Standard outdoor unit features a 4-Way Piping design* with piping connections at the front, side, bottom, and rear.

This flexible piping arrangement provides greater freedom when selecting an installation location, allowing the unit to be configured to suit a wide variety of applications without requiring additional fittings.





FREE JOINT MULTI

OUTDOOR UNITS

Flexible Comfort for Multiple Spaces

When installation space is limited or maximizing usable indoor space is a priority, Samsung Free Joint Multi (FJM) systems provide an ideal multi-zone solution. A single outdoor unit can simultaneously heat or cool multiple rooms, making it easy to create a customized comfort system for residential and light commercial applications.

Compatible with a wide range of Samsung indoor units—including select WindFree™ models—the FJM system offers the flexibility to tailor comfort to the unique needs of each space. Designed for quiet, energy-efficient, and reliable operation, FJM systems combine advanced technology with a lightweight, space-saving outdoor unit and one-touch Auto Addressing to simplify installation and reduce commissioning time



Why Choose Samsung Free Joint Multi

WindFree™ Comfort*

Everyday Comfort While Saving Energy

WindFree™ Cooling helps maintain a consistently comfortable indoor environment* by dispersing air gently through thousands of micro air holes, reducing the sensation of direct cold drafts while still delivering effective cooling performance. The result is a more pleasant and balanced indoor comfort experience throughout the day and night.

Versatile

Flexible, Space Saving Design

Support up to five indoor units with a single outdoor unit, providing a versatile, space-saving solution that delivers customized comfort for multiple rooms.

Efficient

Energy Saving Performance

Reduce energy consumption and operating costs with Digital Inverter technology that automatically optimizes compressor speed to match changing demand.

Easy Installation

Compact, Installer-Friendly Design

Simplify installation with a lightweight, compact outdoor unit, straightforward connectivity, and one-touch Auto Addressing for faster system commissioning.

Reliable

Built for Long-Term Use

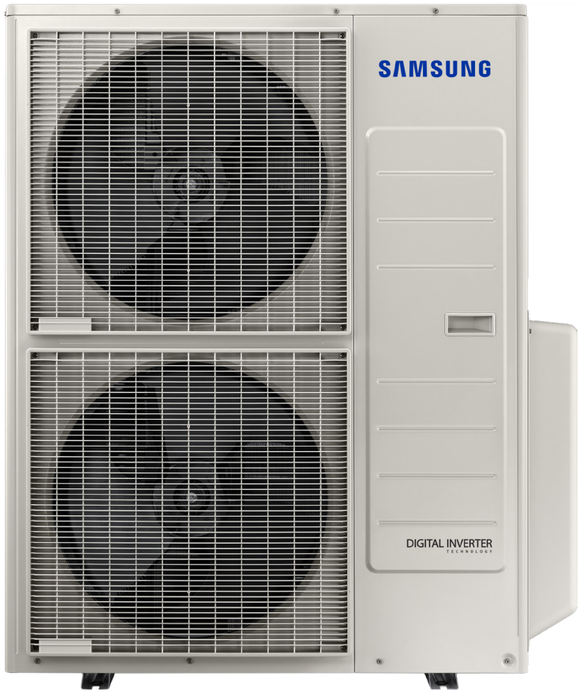
Enjoy dependable operation with a durable compressor design and premium components engineered for long-lasting performance.

Quiet

Low Noise Levels

Create a more comfortable indoor environment with advanced compressor technology, superior insulation, and reduced vibration for quieter operation.

***Available for certain FJM units equipped with WindFree™ Cooling.**



Premium/Standard 48K outdoor unit shown. Smaller Standard outdoor units will differ in size and appearance.

FJM Outdoor Unit

Premium

Model No.
AJ020DXS3CG/AA
AJ024DXS4CG/AA
AJ030DXS4CG/AA
AJ036DXS4CG/AA

Available Capacities (Btu/h)
20,000 / 24,000 / 30,000 / 36,000

Standard

Model No.
AJ020DXJ2CG/AA
AJ024DXJ3CG/AA
AJ036DXJ4CG/AA
AJ048DXJ5CG/AA

Available Capacities (Btu/h)
20,000 / 24,000 / 36,000 / 48,000

The Samsung Free Joint Multi (FJM) Outdoor Unit is the foundation of a flexible multi-zone comfort system, supporting up to five indoor units from a single compact outdoor unit. Its space-saving design makes it an excellent choice for residences and smaller light commercial buildings where installation space is limited.

Engineered for dependable performance, the FJM Outdoor Unit combines quiet operation, energy-efficient Digital Inverter technology, and a lightweight design to simplify installation while delivering reliable comfort throughout the year.

Main Features

Versatility
Flexible & Space Saving
Up to 5 Indoor to 1 Outdoor

Efficiency/Reliability
Digital Inverter Technology
Twin Rotary BLDC Compressor

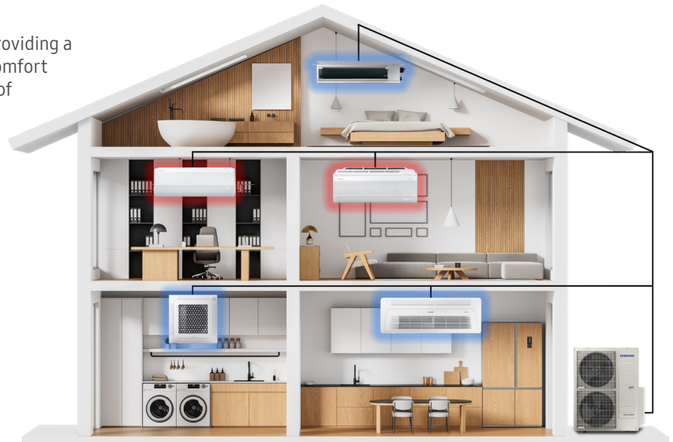
Installation
Compact Design
Multi-Port Configurations
Home Run Piping
Auto Addressing

Quiet and Comfortable
Sine Wave Controller
Double-Layered Insulation
Emergency Heat Operation

Up to 5 Zones of Comfort

Flexible and Space Saving

Support up to five indoor units with a single outdoor unit, providing a versatile, space-saving solution that delivers customized comfort for multiple rooms. With compatibility across a wide range of Samsung indoor unit styles, the system can be tailored to meet the unique comfort and installation requirements of virtually any home or light commercial space. This flexible multi-zone design minimizes the outdoor footprint while maximizing indoor comfort and installation flexibility.



Note: Illustration simplified for clarity. Refrigerant piping shown is representative only. Each indoor unit requires an individual refrigerant line connection.

Compatible with a wide range of indoor units

Connect Up to 5 Indoor Units to 1 Outdoor Unit

Samsung FJM systems support up to five indoor units connected to a single outdoor unit and are compatible with the following Samsung indoor unit styles: WindFree™ Mini 4-Way Cassettes, WindFree™ 1-Way Cassettes, WindFree™ wall-mounted units (Standard, Premium, and IAQ), console units, Slim Duct, Duct S, and Multi-Position Air Handlers. Flexible ducted configurations—including two Multi-Position Air Handlers (MPAHs), two Duct S units, or one MPAH and one Duct S—provide even greater installation versatility.

This broad selection of compatible indoor units makes it easy to create a customized multi-zone comfort solution tailored to the unique comfort and installation requirements of residential and light commercial applications. By allowing different indoor unit styles to be combined within a single system, FJM delivers the flexibility to optimize comfort, aesthetics, and performance throughout virtually any space.



Wall Mount (IAQ, Standard, & Premium)
WindFree™



Mini 4-Way Cassette
WindFree™



1-Way Cassette
WindFree™



Console



MPAH



Duct S



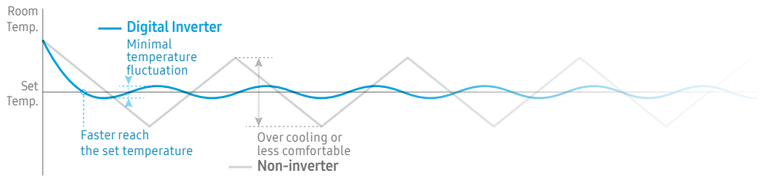
Slim Duct



Efficient comfort, lower energy costs

Digital Inverter Technology

Samsung's Digital Inverter technology automatically adjusts compressor speed in response to changing indoor conditions, maintaining the desired temperature with minimal fluctuation for consistent comfort. Unlike conventional fixed-speed compressors that repeatedly start and stop, it optimizes power consumption during cooling to reduce energy use by up to 60%*, helping lower operating costs without compromising performance.



Smooth, quiet, and reliable performance

Twin Rotary BLDC Compressor

The FJM outdoor unit features a Twin Rotary BLDC Compressor designed to deliver smooth, efficient, and dependable performance. Twin eccentric cams and dual balance weights help minimize vibration, resulting in quieter operation and enhanced overall stability. High-quality internal components—including robust bearings, precision-matched rollers, and durable vanes—provide improved reliability and long-term durability for years of dependable operation.



Twin Rotary Compressor

BLDC Motor

* Based on Samsung's internal test results compared with the Samsung AQV09TWS model. Individual results may vary.

Fits in small places, covers large spaces

Compact Design for Worry-Free Installation

The compact size of the FJM outdoor unit makes it easy to install in locations where space is limited, including small balconies. With all models measuring less than 39-5/16 inches (998 mm) in height*, they can be installed beneath many balcony windows to help preserve outdoor views while minimizing the visual impact of the system.

Multiple Port Configurations

Available in 2-, 3-, 4-, and 5-port configurations, the FJM outdoor unit can support multiple indoor units from a single outdoor unit. This flexible design makes it easy to tailor a multi-zone system to the needs of each application while helping maintain a clean, uncluttered building exterior.

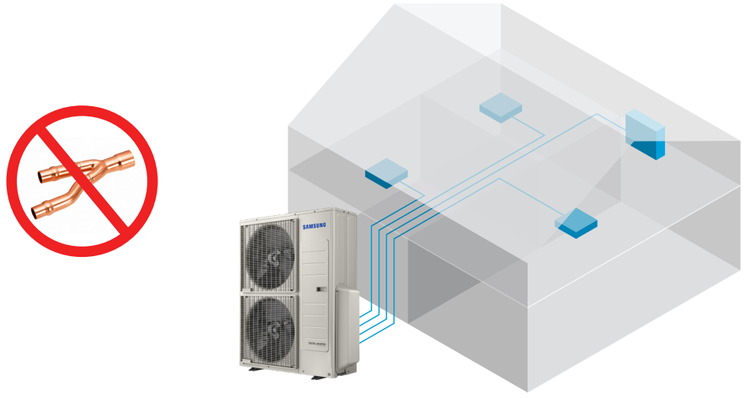


No refrigerant branching or brazing

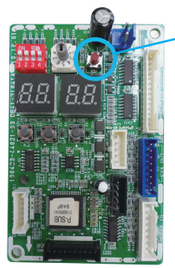
Home Run Refrigerant Piping

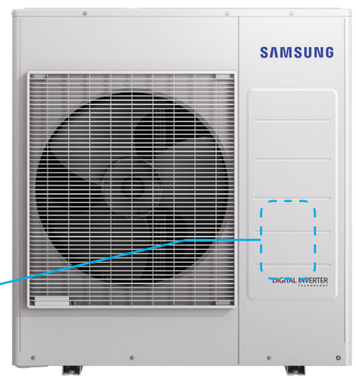
Samsung's FJM system utilizes a home-run refrigerant piping design with flared connections, eliminating the need for refrigerant branch joints and on-site brazing. Each indoor unit is connected directly to the outdoor unit with its own dedicated refrigerant line, simplifying installation while reducing labor time and installation complexity.

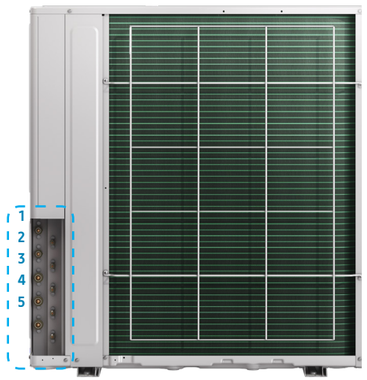
This straightforward piping configuration provides flexible zoning, minimizes potential refrigerant pressure losses associated with branch piping, and makes future service and system modifications easier. The result is an efficient, reliable, and customizable multi-zone comfort solution for residential and light commercial applications.



* Net dimensions: 34-5/8 × 31-7/16 × 12-3/16 inches (880 × 798 × 310 mm) (W × H × D) for 6.9 kW models; 37 × 39-5/16 × 13 inches (940 × 998 × 330 mm) (W × H × D) for 10.0 kW models.







Easy, one-touch setup

Auto Addressing

TThe FJM system features one-touch Auto Addressing, allowing multiple indoor units to be connected and configured with minimal effort. When activated, the outdoor unit automatically checks system connections and assigns address numbers to each connected indoor unit, eliminating the need for manual addressing.

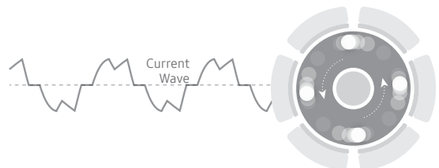
This intelligent function simplifies system setup, reduces installation time, and helps lower overall installation costs.

Quieter operation through advanced motor control

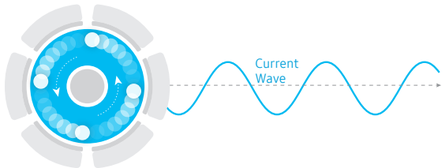
Sine Wave Controller

Samsung's advanced Sine Wave Controller technology helps reduce outdoor unit noise for quieter operation. Unlike conventional square wave controllers, which can generate noticeable electrical noise, it produces smooth current waves with minimal spikes and ripple.

The result is quieter, more refined operation that helps reduce sound from the outdoor unit and minimize disturbance.*



Square Wave Controller

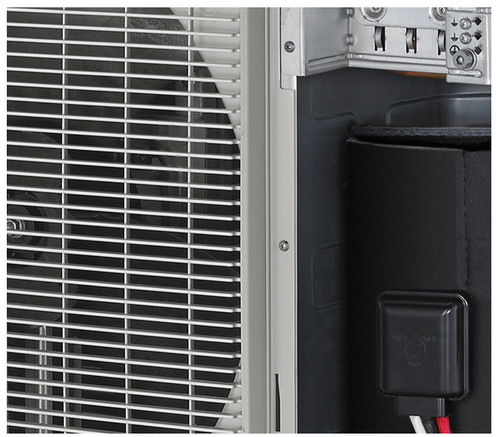


Sine Wave Controller

Advanced noise reduction

Double-Layered Sound Insulation

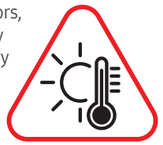
The FJM compressor is fully enclosed in double-layered sound insulation that helps absorb and reduce operating noise. This advanced insulation design enables quieter, more discreet operation while maintaining reliable, high-performance operation.



Reliable backup heat when it matters most

Emergency Heat Operation

Auxiliary heat sources, including baseboard radiators, hot water coils, and duct heaters, can automatically activate during emergency conditions if the primary heating system encounters an issue. Available for select error codes, this feature helps maintain reliable heating and supports continued safe operation when it's needed most.



* Based on Samsung's internal test results compared with the Samsung AR09FSSKABENEU model. Individual results may vary.

INDOOR UNITS

LIGHT COMMERCIAL & FREE JOINT MULTI

Indoor Units Tailored to Every Space

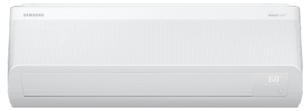
No two spaces have the same comfort or installation requirements, which is why Samsung offers a comprehensive lineup of indoor units designed to suit virtually any application. From sleek wall-mounted and cassette models to concealed ducted systems, console units, and Multi-Position Air Handlers, each indoor unit is engineered to deliver reliable, energy-efficient performance while integrating seamlessly into the surrounding environment.

Many models feature Samsung's innovative WindFree™ Cooling technology, which gently disperses air through thousands of micro air holes to maintain consistent comfort while minimizing the sensation of direct cold drafts. Whether paired with a pre-matched Light Commercial outdoor unit or integrated into a flexible Free Joint Multi (FJM) system supporting up to five indoor units, Samsung's indoor lineup makes it easy to create a customized comfort solution that balances performance, aesthetics, and installation flexibility.



Light Commercial and Free Joint Multi
Indoor Unit Line Up

WindFree™ Standard



AJ**DNADCG/AA
AR**DXFAMWKNCV

WindFree™ Premium



AR**DXDABWKNCV

WindFree™ IAQ



AR**DXKAPWKNCV

WindFree™ Mini 4-Way Cassette



AC**DNNDCG/AA

WindFree™ 1-Way Cassette



AC**DN1DCG/AA

Console



AC**DNJDCG/AA

Slim Duct



AC**DNLDCG/AA

Duct S



AC**DNHDCG/AA

Multi-Position Air Handler



AC**DNZDCG/AA

INDOOR UNIT

- Light Commercial

Light Commercial | WindFree™ 4-Way Cassette



WindFree™ 4-Way Cassette

Standard
Model No.
IDU: AC0**DN4DCG/AA
ODU: AC0**DXADCG/AA

Premium
Model No.
IDU: AC0**DN4DCG/AA
ODU: AC0**DXSCCG/AA

Available Capacities (Btu/h)
18,000 / 24,000 / 30,000 / 36,000 / 48,000

-40 Cooling Only
Model No.
IDU: AC0**DN4DCG/AA
ODU: AC0**DXSCCF/AA

Available Capacities (Btu/h)
18,000 / 24,000 / 30,000 / 36,000

WindFree™ Cooling

Enjoy a more effortless way to stay comfortably cool. The Samsung Light Commercial 4-Way Cassette air conditioner's WindFree™ Cooling technology delivers effective, quiet cooling without the unpleasant sensation of cold air blowing directly onto your skin. It also continuously monitors temperature and humidity, intelligently optimizing its operating mode to maximize both comfort and energy efficiency. As a result, it uses significantly less energy than conventional cooling modes.

In addition, its large 3-5/16 in (84 mm) blade and optimized airflow design can deliver cool air up to 16.4 ft (5 m)*, allowing it to quickly and evenly cover spaces up to 32.8 ft (10 m) wide while minimizing dead zones.

Main Features

Comfort
WindFree™ Cooling
Smart Comfort
Quiet Operation
Big Blade Design

Cost Saving
Low Energy Use

Hygiene
Washable Filter
Auto Clean
Drain Pump w/Check Valve

Smart Control
Motion Detect Sensor**
SmartThings
Built-In Remote Receiver

Install/Maintenance
Self-Diagnosis
Detachable/Washable Parts
Lightweight Indoor Unit

* Based on internal testing on the WindFree™ 4-Way Cassette (AC140RN4DKG/EU) with a PCNUFMAN blade. Results may vary depending on environmental factors and individual use.
** This function is optional for white panels only. An MDS Kit is required: MCR-SMDU for the Wind-Free™ 4-Way Cassette.

Feel comfort without the cold draft

WindFree™ Cooling

Direct exposure to cold airflow can feel uncomfortable and unpleasant, and prolonged exposure may even contribute to illness if the body remains cold for an extended period. With WindFree™ technology, Samsung light commercial WindFree™ 4-Way Cassettes deliver effective cooling without the uncomfortable sensation of cold air blowing directly onto your skin. Cool air is gently and evenly dispersed throughout the room through 15,700 micro air holes measuring just 1.4mm in diameter. This creates a "still air" environment* with an exceptionally low air speed of only 0.5ft/s (0.15m/s), eliminating drafts that can cause discomfort. Because the cooling effect remains gentle and comfortable even during extended operation, WindFree™ technology is ideal for indoor spaces where people spend significant time, such as offices where people work is open spaces and break rooms that are designed for rest and relaxation.



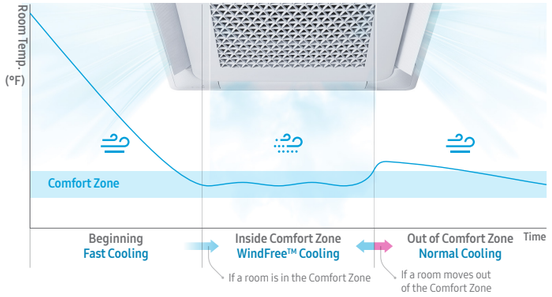
15,700
Micro Air Holes*

* ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) defines "still air" as when the velocity of air is below .5ft (0.15m)/s, so people cannot feel any cold drafts.

Tailor-made comfort

Smart Comfort Operation

Temperature and humidity are both key factors that affect how people feel and their overall comfort. People are generally most comfortable in temperatures between 73-79°F (23–26°C) and at a humidity level of approximately 60%. To help maintain these ideal conditions, the WindFree™ 4-Way Cassette is equipped with both a humidity sensor and a temperature sensor. It continuously monitors the room's temperature and relative humidity, analyzing the indoor environment in real time. Based on these conditions, it automatically switches between operating modes to maintain optimal comfort, ensuring a consistently pleasant indoor environment without the need for manual adjustment.

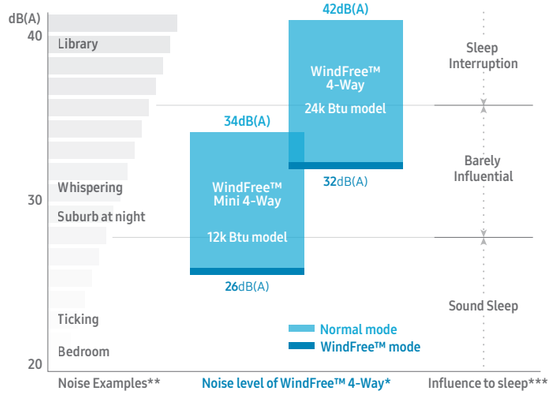


1. Room Temp. ± 3.6°F of Set Temp.
2. Relative humidity level ≤ 60%
3. Room Temp. ≤ 78.8°F

Less noise, less disturbance

Quiet Operation

During low-speed WindFree™ operation, the 4-Way Cassette gently disperses cool air throughout the room while minimizing ambient noise. As a result, it operates at just 32 dB(A), generating significantly less noticeable sound than Normal cooling mode*. This makes it an ideal solution for environments where quiet operation is essential, such as libraries and schools**.

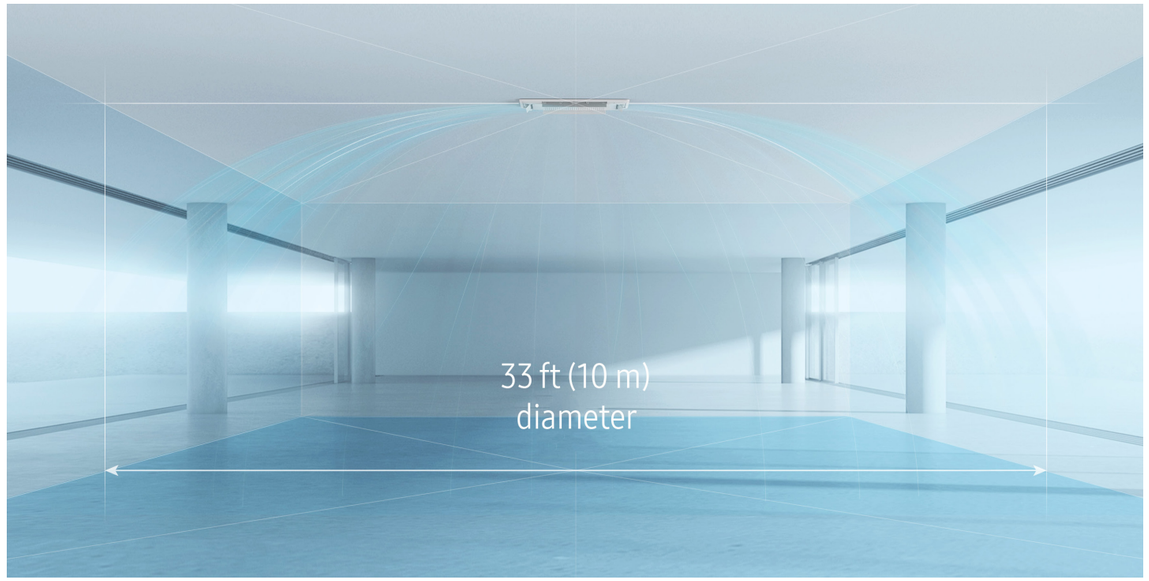


* Available only on the WindFree™ models. Based on internal testing of the WindFree™ 4-Way (AC071NN4DKH/EU). May vary depending on the actual usage conditions.
** Based on the Standard of National Noise Information System (Korea).
*** Based on the Bedroom Standard by WHO.

COMFORT

Residential & Light Commercial Tech Catalog

Light Commercial | WindFree™ 4-Way Cassette



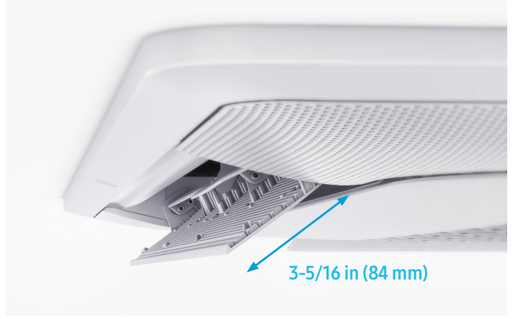
Faster and wider cooling

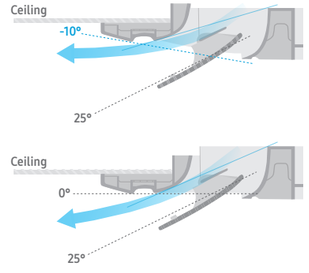
Big Blade & Slanted Outlet Design

4-way cassette air conditioners are typically installed in larger spaces, such as commercial buildings and offices. As a result, air distribution and coverage are critical factors in maintaining comfort and supporting productivity throughout the room.

To meet these demands, the Samsung Light Commercial WindFree™ 4-Way Cassette is engineered to deliver both exceptional comfort in WindFree™ mode and powerful performance in Normal cooling mode. It features a large 3-5/16 in (84 mm) blade that is 31% larger than conventional designs*, helping to minimize air dispersion and direct more conditioned air to the desired areas.

In addition, the outlet is designed with a slanted configuration that allows the blades to open at angles ranging from -10° to 25° relative to the ceiling. This creates an almost horizontal airflow pattern that travels farther along the ceiling, enabling cool air to reach distances of up to 16-1/2 ft (5 m). As a result, it can quickly and evenly cover spaces up to 33 ft (10 m) wide while minimizing dead zones.



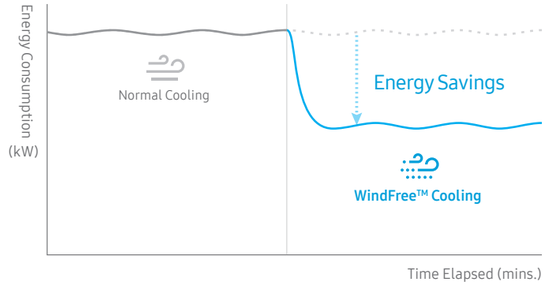


* Based on the WindFree™ 4-Way Cassette, compared to a conventional 4-way cassette air conditioner which has a 64mm blade.

Use less energy and stay comfortable

Low Energy Consumption

Save money every day with the WindFree™ 4-Way Cassette's highly energy-efficient WindFree™ Cooling technology. When operating in this mode, the outdoor unit consumes significantly less electricity than Normal Cooling mode. Despite its reduced energy consumption, it continues to maintain a comfortably cool indoor environment. The result is refreshing comfort that feels like stepping into a cool cave on a hot summer day.

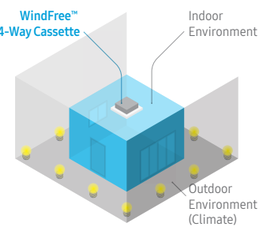


WindFree™ Cooling - tested and proven

Cooler comfort indoors, proven with WindFree™ technology

To rigorously evaluate air conditioner performance under a variety of climate conditions, Samsung operates a specialized Test Lab featuring a full-scale house within a controlled environment. The facility can simulate and maintain precise outdoor weather conditions for testing.

In this test, with both indoor and outdoor temperatures set to 95°F (35°C), a WindFree™ 4-Way Cassette installed in the house began cooling in Normal mode. After the room reached the target temperature of 77°F (25°C), the unit automatically switched to WindFree™ mode and maintained a stable indoor temperature of 77°F (25°C), ± 1°F (0.5°C) for more than eight hours.



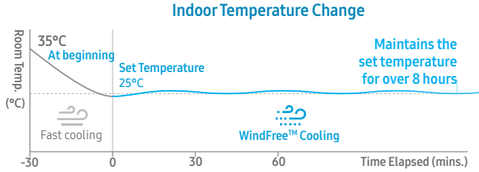
Test Conditions

- **Temperature:** Outdoor 95°F (35°C) (Sustained), Indoor 95°F (35°C) (At beginning)
- **Indoor Area:** 430.6 ft² (40m²)
- **Product:** WindFree™ 4-Way Cassette air conditioner 7.1kW model
- **Measurement:** Temperature distribution and consumed energy using Normal cooling and then WindFree™ Cooling

Test Results

- Using fast cooling, the room temperature reached the set temperature after 30 minutes.
- Mode changed to WindFree™, which maintained the indoor temperature 77°F ± 1°F (25°C±0.5°C) while the outdoor temperature remained constant.

Indoor Temperature Change



Indoor Temperature Distribution in WindFree™ Cooling



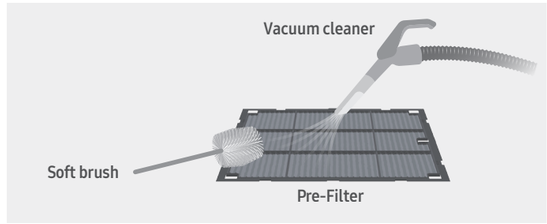
* American Society of Heating, Refrigerating and Air-Conditioning Engineers.
** ANSI/ASHRAE Standard 55-2013
*** ASHRAE Journal (May 2009).
**** Based on the original graph of ASHRAE STANDARD 55-2013, simplified to clearly show only 'comfort zones'.

Continue using with a simple wash

Washable Filter

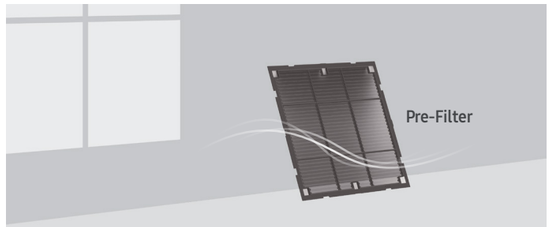
The washable, reusable Pre-Filter helps keep the air clean and fresh while lowering maintenance costs, as there's no need to regularly replace with new filters.

STEP 01: Wash



Remove dust and debris from the filter by rinsing it with water or cleaning it with a vacuum cleaner.

STEP 02: Rinse and Air Dry



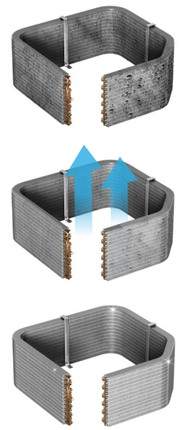
Rinse the filter and allow it to air dry for at least 12 hours in a well-ventilated area away from direct sunlight.

Stay clean with less moisture

Auto Clean

When an air conditioner is turned off after operating in cooling mode, the difference between internal and external temperatures can cause moisture to condense on the heat exchanger. This can create conditions that promote mold growth and lead to unpleasant odors.

To help prevent this, the Samsung WindFree™ 4-Way Cassette features a humidity sensor and an Auto Clean function*. After operation, it automatically dries the heat exchanger using a 3-step process that monitors the temperature and humidity inside the unit. By blowing air for 10 to 30 minutes, it removes residual moisture, helping prevent the buildup of bacteria and odors.



STEP 01
When the air conditioner turns off, the Auto Clean function begins blowing air with open blades for 10 minutes.

STEP 02
Checks the internal humidity and temperature, and blows air with closed blades for 10 minutes if necessary.

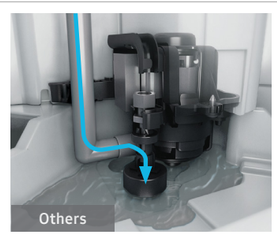
STEP 03
Checks the internal humidity and temperature once more, and continues for another 10 minutes if necessary.

No backflow, less standing water

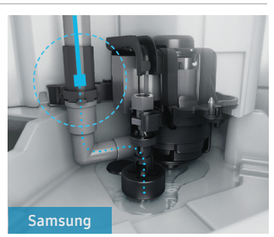
Drain Pump with Check Valve

A built-in drain pump provides greater flexibility when installing drainage systems. It also includes a standard check valve that helps prevent condensed water from flowing back and dripping into indoor spaces. As a result, it helps reduce water stagnation and drain water overflow.

By minimizing the amount of water that accumulates in the drain board, the system helps keep it cleaner while supporting reliable, long-term operation.



When turned off, water can flow back into the pipe and remain in the drain board, resulting in standing water and increasing the potential for drain water overflow.



When the unit is turned off, a check valve helps prevent water from flowing back into the drain board, enabling faster drying and helping keep it clean.

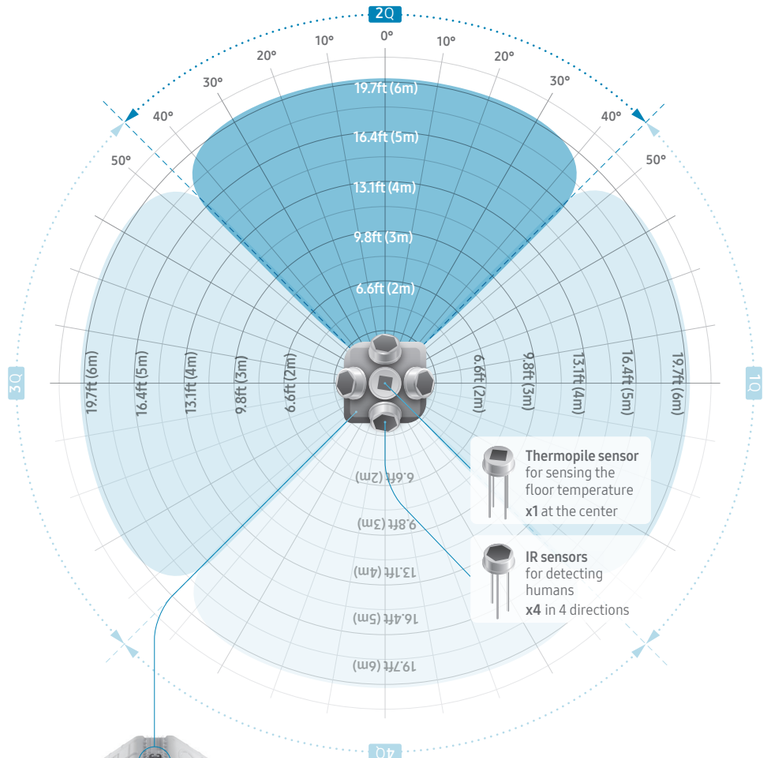
Intelligently bringing ultimate comfort to everyday life

Motion Detect Sensor (MDS)*

Air conditioning technology has evolved to respond more intelligently to a room's occupants, making their presence an important factor in how the system operates.

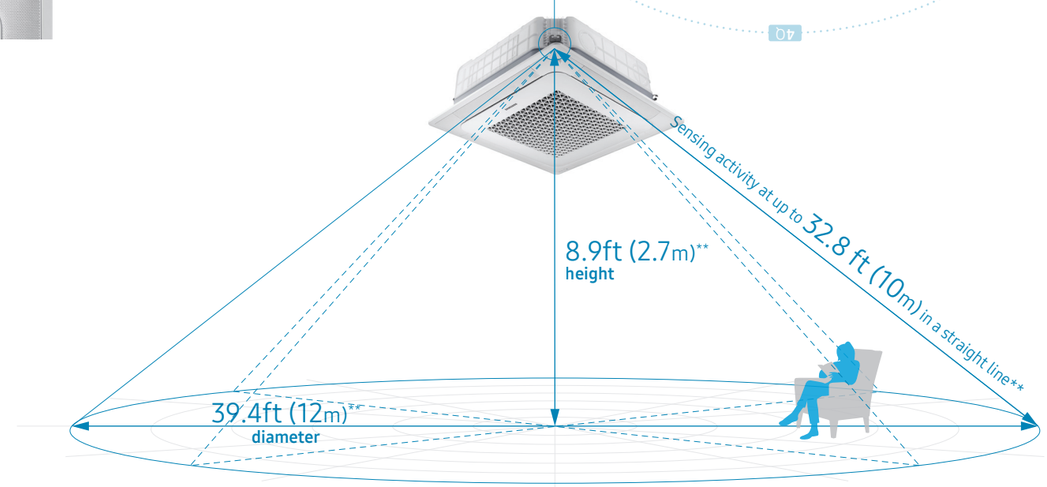
Early versions of Motion Detect Sensors focused primarily on identifying whether people were present in a room. Today, however, the technology has advanced to precisely detect occupants' locations and activity levels, as well as the temperature at floor level.

As a result, the Samsung WindFree™ 4-Way Cassette operates more intelligently—saving energy when spaces are unoccupied, directing airflow toward occupants or away from them as needed, and automatically adjusting temperatures to match their activity levels.





Motion Detection Sensor
Part No. MCR-SMCU



* Optional function. Requires MDS Kit (MCR-SMCU) for the WindFree™ 4-Way Cassette (white panel only).
** Detectable range: circular area with a 39ft (12m) diameter, when installed at a ceiling height of 9ft (2.7m). The detectable range increases in direct proportion to the installation height.

SMART CONTROL

Residential & Light Commercial Tech Catalog

Light Commercial | WindFree™ 4-Way Cassette

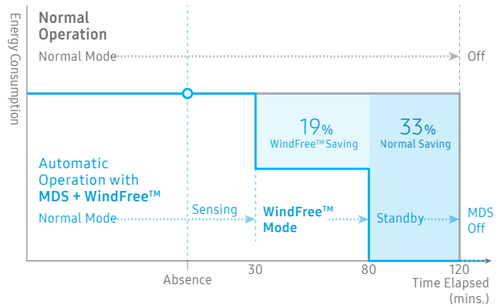
Motion Detect Sensor (MDS) - Continued

1. Absence Detection Operation

Use less energy when rooms are unoccupied—automatically.

The 4-Way Cassette's Motion Detect Sensor detects when no movement has occurred for 30 minutes and automatically switches to WindFree™ mode to help save energy. After 50 minutes*, it enters standby mode. When activity is detected, the system automatically returns to normal operation.

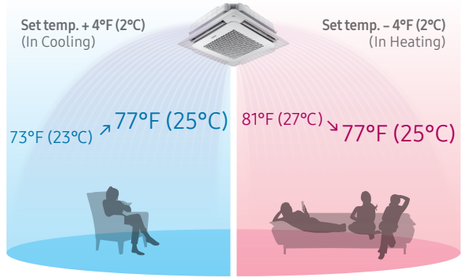
Through this two-step operating sequence, the system can reduce energy consumption by up to 52%**. This makes it ideal for spaces that are frequently unoccupied, such as offices, conference rooms, and classrooms.



2. Activity Detection Operation

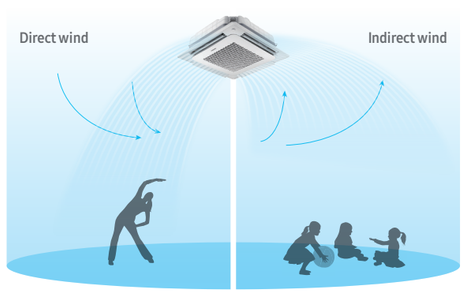
By sensing the activity level of a room's occupants, the WindFree™ 4-Way Cassette automatically optimizes the indoor temperature by adjusting it 4°F (2°C) higher or 4°F (2°C) lower to help maintain comfort while reducing unnecessary energy consumption.

For example, in cooling mode, when the system detects that only a few people are in the room, it operates at a temperature 4°F (2°C) higher. In heating mode, when it detects a larger number of occupants gathered together, it automatically operates at a temperature 4°F (2°C) lower. This intelligent adjustment helps enhance comfort while improving energy efficiency.



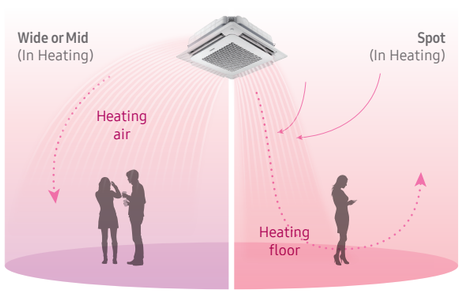
3. Direct or Indirect Wind on Demand

You can easily choose whether the air conditioner directs airflow toward you or away from you. The Motion Detect Sensor monitors your location and movement, then automatically adjusts the vertical airflow direction based on the selected mode. As a result, there's no need for manual adjustments—you can enjoy optimal comfort wherever you are in the room.



4. Vertically Even Heating

In heating mode, the Motion Detect Sensor* monitors the floor temperature and compares it with both the set temperature and the indoor air temperature. When the floor temperature is 14°F (8°C) or more below the other measured temperatures, the WindFree™ 4-Way Cassette automatically directs warm air vertically toward the floor to help create a consistently warm and comfortable environment.



* Only available on the WindFree™ models. The non WindFree™ models enter standby after 30 minutes instead of switching to WindFree™ mode.
** Based on internal testing on WindFree™ 4-Way models, comparing Normal operation vs. Automatic operation with the Motion Detect Sensor for 2 hours. Operating conditions: outdoor unit: AC140RXADNG/EU, indoor unit: AC140RN4DKH/EU (panel: PC4NUFMAN). Standard cooling operation: outdoors (95°F (35°C) DB / 75°F (24°C) WB), indoors (81°F (27°C) DB / 66° (19°C) WB). Results may vary depending on environmental factors and individual usage.

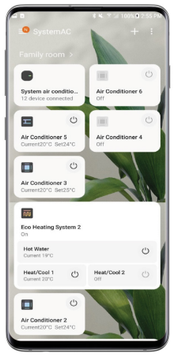
Remote control - anytime, anywhere

SmartThings

Control your home's temperature anytime, from anywhere. With the SmartThings App*, you can turn your air conditioner on or off, adjust the operating mode, and set the temperature directly from your smartphone. You can also create schedules to automatically start and stop your system based on your routine.

Whether you're at home or away, SmartThings gives you peace of mind by helping ensure your space stays comfortable while reducing unnecessary energy use. Enjoy efficient cooling and the confidence that your air conditioner isn't running when it's not needed.

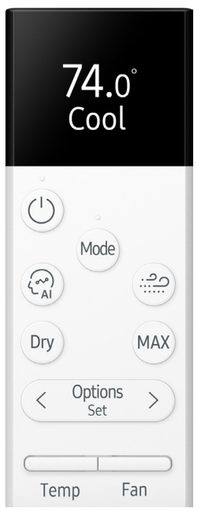
SmartThings



Wireless convenience without additional installation

Built-in Remote Control Receiver

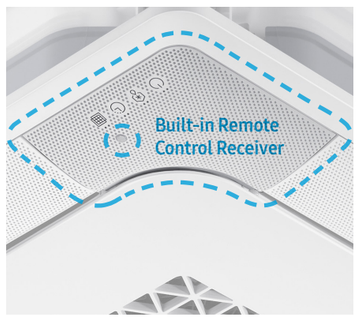
Remote controls are essential for controlling air conditioners.
There are two options for individually and directly controlling the WindFree™ 4-Way Cassette, depending on the installation location.



Wired remote control (MWR-WG01UN)
Mounted on the wall and connected to the indoor unit by a wire

Wireless solar-powered remote control (AR-CH01U)
Controls an indoor unit using a wireless signal without needing to be installed in a specific location.

Wireless remote controls are often preferred by users because of their ease of use. However, with many other air conditioner brands, this requires the installation of an Optional Receiver Kit, which is usually sold separately. Samsung provides the receiver kit as standard, allowing users to enjoy the added convenience of wireless control without any additional cost or installation effort.



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

Identify errors quickly to reduce downtime

Self Diagnosis

The WindFree™ 4-Way Cassette's Self-Diagnosis function immediately alerts you to any malfunctions, allowing you to quickly arrange a service visit. An error code and LED indicator also help service technicians quickly identify the cause of a fault, reducing the time required to diagnose and resolve the issue.

Examples of relevant errors	LED lamp display			
	On/Off	Defrost	Timer	Filter
Error on indoor temperature sensor		◑		
Error on heat exchanger sensor of the indoor unit	◑	◑		
Error on outdoor unit sensors	◑		◑	
Error on MDS (Motion Detect Sensor)	◑			◑



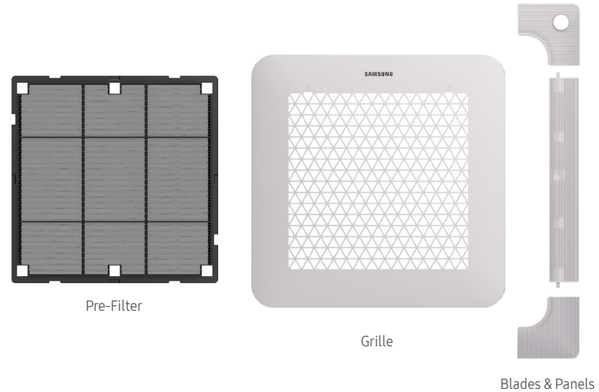
Worry-free cleaning

Detachable and Washable Parts

The cleanliness of both the exterior and the filters is especially important for 4-Way Cassette indoor units, which are widely used in commercial spaces.

The panels and filters of the WindFree™ 4-Way Cassette indoor unit are designed for easy removal and cleaning—without the need for screws. Simply pull the hook inside the panel grille (located near the Samsung logo) to open and remove the panel. The corner panels and blades can also be easily detached by pulling them downward.

All exterior components can be cleaned using a soft brush or cloth. ThePre-Filter can be cleaned with either a vacuum cleaner or water, eliminating the need to regularly purchase replacement filters.



Pre-Filter

Grille

Blades & Panels

Handle and install with less effort

Lightweight Indoor Unit

Unlike conventional air conditioners, the indoor unit is constructed using plastic panels, making it approximately 30% lighter*. Its lightweight design makes handling and installation easier, reducing installation effort and simplifying setup.

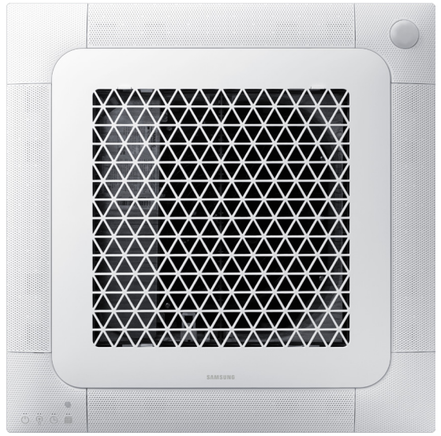


* Based on internal testing compared to competing air conditioners: Samsung (4-Way Cassette) AC071RN4DKG/EU = 14.5kg vs. A competitor's model = 21kg.

INDOOR UNIT

- Light Commercial
- Free Joint Multi

Light Commercial & FJM | WindFree™ Mini 4-Way Cassette



WindFree™ Mini 4-Way Cassette

Light Commercial
Premium
Model No.
IDU: AC0**DNNDCG/AA
ODU: AC0**DXSCCG/AA
Available Capacities (Btu/h)
9,000 / 12,000 / 18,000

WindFree™ Cooling

Free Joint Multi
Premium
Model No.
IDU: AC0**DNNDCG/AA
ODU: AJ0**DXS*CG/AA
Available Capacities (Btu/h)
9,000 / 12,000 / 18,000

Free Joint Multi
Standard
Model No.
IDU: AC0**DNNDCG/AA
ODU: AJ0**DXJ*CG/AA
Available Capacities (Btu/h)
9,000 / 12,000 / 18,000

Samsung's compact-sized Mini 4-Way Cassette builds on the aesthetic appeal and performance of the standard 4-Way Cassette with an enhanced design. Its minimalist styling and clean panel pattern elegantly complement any interior. The stylish cassette unit blends seamlessly with the indoor space, while its efficient cooling and heating performance make it a dependable and practical air conditioning solution for your office of place of business.

Main Features

Comfort
WindFree™ Cooling
Smart Comfort
Turbo Fan
Advanced Air Control

Cost Saving
WindFree™ Cooling
Motion Detect Sensor*

Design
Harmonious Design

Installation
Perfect Fit
Lightweight Indoor Unit

Maintenance
Drain Pump w/Check Valve
Detachable Parts

* This function is optional and requires the MDS Kit (MCR-SMDU).

Feel comfort without the cold draft

WindFree™ Cooling

Stay comfortably cool with the Mini 4-Way Cassette's Wind-Free™ Cooling. It cools effectively without the unpleasant sensation of cold air being blown directly onto your skin. Cool air is gently dispersed throughout the room through 9,000 micro air holes, creating a "Still Air" environment* with a very low air speed of just 0.5ft/s (0.15m/s) and no drafts to disturb you. As a result, restaurant customers, office staff, and other occupants can stay comfortable without being bothered by cold airflow.



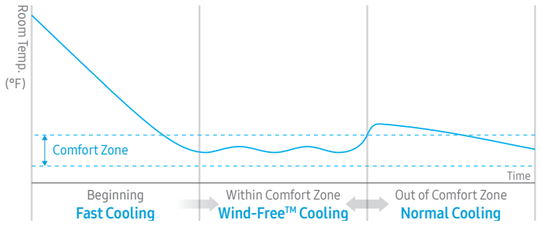
9000
Micro Air Holes*

* ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) defines "still air" as when the velocity of air is below .5ft (0.15m)/s, so people cannot feel any cold drafts.

Intelligent operation

Smart Comfort Operation

The Mini 4-Way Cassette continuously monitors both temperature and relative humidity, analyzing room conditions in real time. It automatically switches between operating modes to maintain optimal comfort without the need for manual adjustment. To maximize efficiency, it can quickly cool the space before transitioning to Wind-Free™ or normal cooling operation.



Silent, uniform air distribution

Turbo Fan

The aerodynamic design of the Turbo Fan minimizes noise generated by blade movement. Its wide blades evenly distribute cool or warm air through four separate outlets, allowing the entire room to cool down or warm up more quickly and uniformly.



COMFORT

Residential & Light Commercial Tech Catalog

Control the air for maximum comfort

Advanced Air Control Features

The Mini 4-Way Cassette creates a comfortable indoor environment through intelligent airflow control. It automatically adjusts the air volume and airflow direction to help prevent cold air from blowing directly onto occupants. In addition, each blade can be controlled individually, allowing users to precisely adjust airflow direction for more efficient cooling and heating throughout the space.



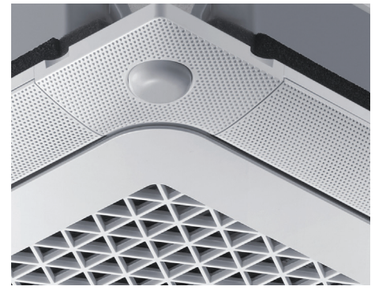
Comfortable Air flow Control

The Comfort Air Flow Control function helps prevent cold drafts by automatically reducing the volume of cool air when the room temperature reaches 73°F (23°C) in cooling mode.



Individual Blade Control

Using a remote controller, users can create the ideal indoor environment by adjusting the angle of each fan blade within a range of 32° to 65°, enabling more effective and efficient cooling.



Motion Detect Sensor (MDS)*

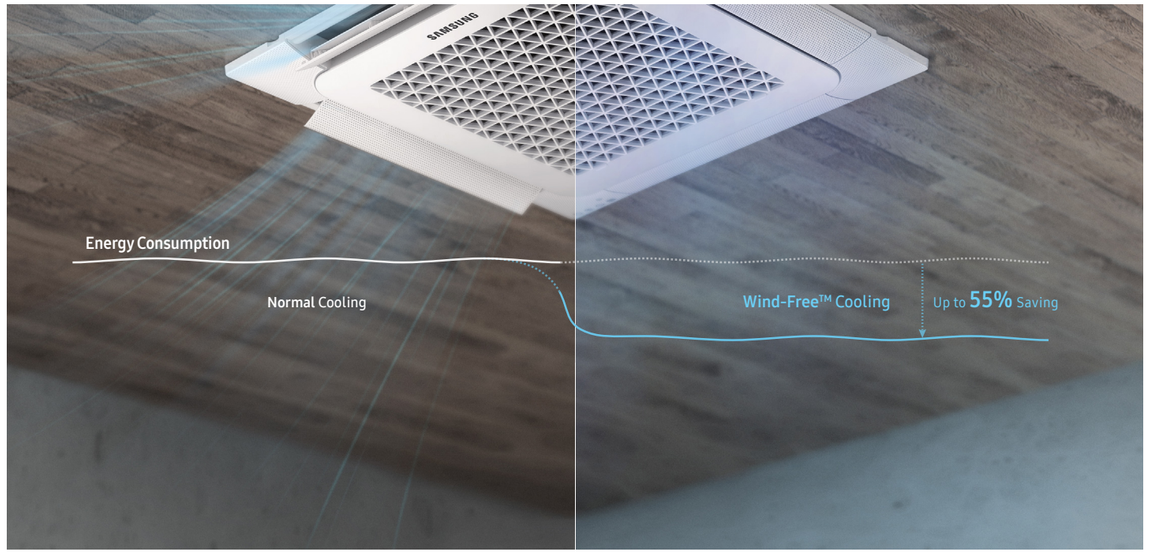
The innovative MDS enhances comfort by preventing air from being blown directly onto occupants. It also detects the temperature near the floor to help reduce variations in thermal comfort throughout the space.

* Optional function. Requires MDS Kit (MCR-SMDU) for the WindFree™ Mini 4-Way Cassette.

Lower energy consumption

WindFree™ Cooling (Energy Saving)

Save money every day by optimizing energy usage with the Mini 4-Way Cassette's highly efficient WindFree™ Cooling. When operating in WindFree™ mode, the outdoor unit consumes significantly less electricity than Normal Cooling mode. Despite its reduced energy consumption, it continues to deliver sufficient cooling to maintain the desired temperature. As a result, you can stay comfortably cool while helping to lower electricity costs.



Automatic savings with less energy use

Motion Detect Sensor (MDS)

Use less energy when rooms are empty—automatically. The Mini 4-Way Cassette's Motion Detect Sensor* detects when there is no movement for 30 minutes and switches to WindFree™ mode to save energy, before entering standby mode after 60 minutes. If it detects any activity, it returns to normal operation. Through this two-step operation, energy consumption can be reduced by up to 50%**. This makes it ideal for spaces that are often unoccupied, such as offices, conference rooms, and school classrooms.



Motion Detection Sensor
Part No. MCR-SMDU

* This function is optional. An MDS Kit is required: MCR-SMDU for the Wind-Free™ Mini 4-Way Cassette.
** Based on internal testing of WindFree™ models comparing up to 2 hours continuous operation after the start of the "away" mode vs. 80 minutes operation using the MDS setting. Operating conditions: outdoor unit: AC140RXADNG/EU indoor unit: AC140RN4DKH/EU (panel: PC4NUFMAN). Standard cooling operation: outdoors (95°F (35°C) DB / 75.2°F (24°C) WB), indoors (80.6°F (27°C) DB / 66.2 (19°C) WB). Results may vary depending on environmental factors and individual usage.

Blend seamlessly into any interior

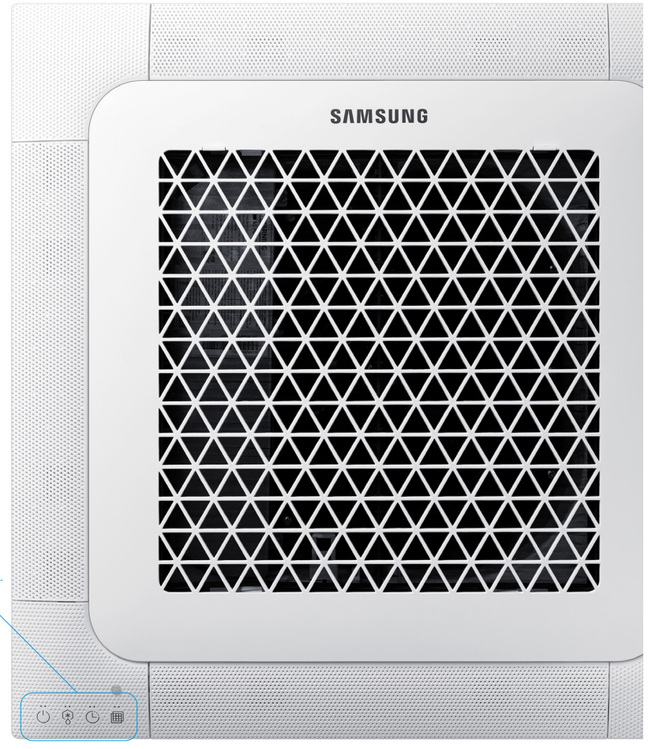
Harmonious Design

The enhanced Samsung Mini 4-Way Cassette features a minimalist, sophisticated design with a frameless, edge-to-edge appearance that blends seamlessly into any interior style. Its innovative blade construction further enhances the clean, streamlined look, creating a neat and refined aesthetic.

Frameless, Edge-to-Edge Style

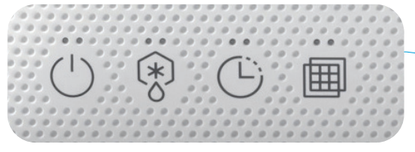
The Mini 4-Way Cassette features a frameless appearance when the blades are closed, creating a clean and seamless look on any ceiling. Its straight lines and geometric curves combine to deliver a minimalist and sophisticated design.





Simple and Intuitive Display

A simple display on the Mini 4-Way Cassette clearly and intuitively shows the unit's operating status.





Built-in Remote Control Receiver

The Mini 4-Way Cassette comes standard with a Remote Control Receiver, which is typically sold separately. This eliminates the need to purchase an additional receiver when using a wireless Remote Controller.



Main Unit Dimensions (W x D)

22-5/8" x 22-5/8"

Unit Weight

23.3 lbs

Ceiling tile size

A Perfect Fit

The Mini 4-Way Cassette features a practical panel design that fits within a single ceiling tile 22-5/8 in x 22-5/8 in (600 mm x 600 mm) without interfering with lights or sprinklers installed in adjacent tiles. This helps reduce the cost and effort associated with supplementary construction work.

Worry-free handling and installation

Lightweight Main Unit

The Mini 4-Way Cassette is made of plastic plates, so it is approximately 28% lighter*. Its lightweight construction makes it much easier to handle and set up, and means it can be installed with less difficulty.

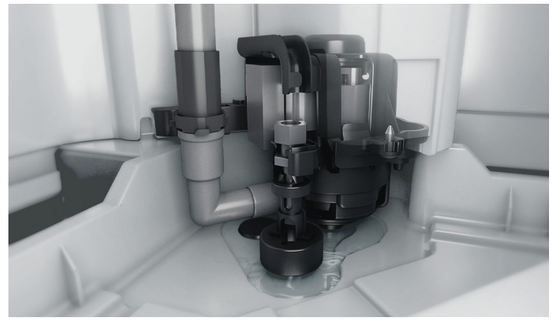
* Samsung (AC026RNNDKG/EU) = 11.5kg vs. A competitor's model = 16kg.

No need to worry about backflow

Drain Pump with Check Valve

Minimize concerns about water stagnation and drain water overflow. The Mini 4-Way Cassette features a built-in Drain Pump with Check Valve that helps prevent condensed water from flowing back into the system and dripping into indoor spaces. As a result, water is directed away from the unit for reliable condensate drainage.

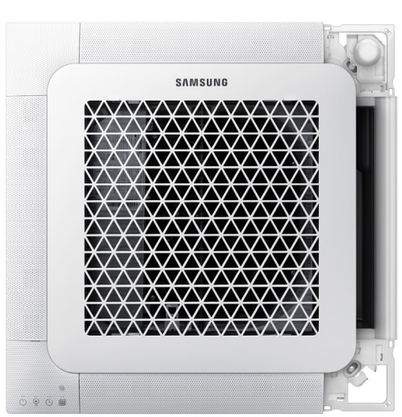
It also helps minimize the amount of water that remains in the drain board, supporting cleaner operation while reducing residual moisture and helping maintain long-term system reliability.

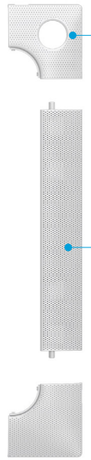


Designed with easy maintenance in mind

Flexible Design

The Mini 4-Way Cassette is intuitively designed for easy management. Featuring a detachable panel and airflow blades, the unit enables quick and simple installation, setup, and maintenance for enhanced convenience, comfort, and performance.





Detachable Panel

Each corner portion of the panel is detachable. This makes it easier for users to adjust the height, and makes installation and leveling much easier and quicker.

Detachable Blades

Users can easily detach the air flow blades, which means the entire panel doesn't need to removed to clean its blades, so the maintenance is made even easier.

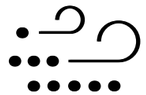
INDOOR UNIT

- Light Commercial
- Free Joint Multi

Light Commercial & FJM | WindFree™ 1-Way Cassette



WindFree™ 1-Way Cassette



WindFree™
Cooling

Light Commercial
Premium
Model No.
IDU: AC0**DN1DCG/AA
ODU: AC0**DXSCCG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 18,000

Free Joint Multi
Premium
Model No.
IDU: AC0**DN1DCG/AA
ODU: AJ0**DXS*CG/AA

Available Capacities (Btu/h)
9,000 / 12,000

Free Joint Multi
Standard
Model No.
IDU: AC0**DN1DCG/AA
ODU: AJ0**DXJ*CG/AA

Available Capacities (Btu/h)
9,000 / 12,000

Reduce installation costs and increase design flexibility with the space-saving Samsung WindFree™ 1-Way Cassette. At only 5 5/16 inches (135 mm) high and 37 3/8 inches (950 mm) wide, it fits into limited ceiling spaces and can be installed in a wide range of applications, providing an alternative to ducted air conditioners.

In addition, WindFree™ Cooling enhances comfort by eliminating the unpleasant sensation of direct cold airflow while consuming less energy. To help maintain optimal comfort, the WindFree™ 1-Way Cassette features both temperature and humidity sensors. Because temperature and humidity are key factors that affect how people feel—and comfort is generally achieved between 73–79°F (23–26°C) with a relative humidity level of around 60%—the unit continuously monitors and analyzes room conditions. It then automatically switches between operating modes to maintain a comfortable indoor environment without the need for manual adjustment.

Main Features

Comfort
WindFree™ Cooling
Quiet Operation
4-Way Auto Swing
Smart Comfort

Installation
Slim Height
Compact Design
Downward Air Flow
Large Blade
Built-In Remote Receiver

Cost Saving
WindFree™ Cooling

Hygiene
Pre-Filter
DIY Filter Cleaning

Maintenance
Auto Clean
Drain Pump w/Check Valve
Washable Filter
Easy Service Access
Self Diagnosis



Sleep comfortably without getting cold

WindFree™ Cooling

Direct exposure to cold airflow can be uncomfortable, especially over extended periods. This is particularly true while sleeping, when cold drafts can make it more difficult to fall asleep and stay comfortable throughout the night. With WindFree™ technology, the Samsung WindFree™ 1-Way Cassette delivers effective cooling without the unpleasant sensation of cold air blowing directly onto the skin. Cool air is gently dispersed throughout the room through 10,000 micro air holes* measuring just 0.06 inches (1.4 mm) in diameter. This creates a "still air" environment** with an extremely low air velocity of just 0.5ft/s (0.15 m/s), minimizing drafts and enhancing comfort. As a result, it helps you and your family enjoy a more restful and comfortable sleep during the summer.



10,000
Micro Air Holes*

* 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 can't feel any cold drafts.

Less noise, less disturbance

Quiet Operation

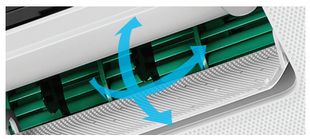
The WindFree™ 1-Way Cassette minimizes ambient noise while gently dispersing cool air throughout the room. Because it requires no ductwork that could generate additional noise, it delivers quiet operation regardless of installation conditions. In WindFree™ mode, it produces just 24 dB(A) of sound*, which is quieter than a whisper**. As a result, it helps create a peaceful environment and won't disturb your sleep*** on summer nights.



Reach every corner of the room

4-Way Auto Swing

Create a comfortable environment with consistent temperatures throughout the room. The WindFree™ 1-Way Cassette features an Auto Swing function that automatically distributes cool air in multiple directions. In addition to its automatic up-and-down swing function, it also features an automatic left-and-right swing function, helping ensure air is evenly distributed to every corner of the room.



Vertical swing: 30° ~ 80°
Hortizontal swing: -45° ~ +45°

Automatic comfort

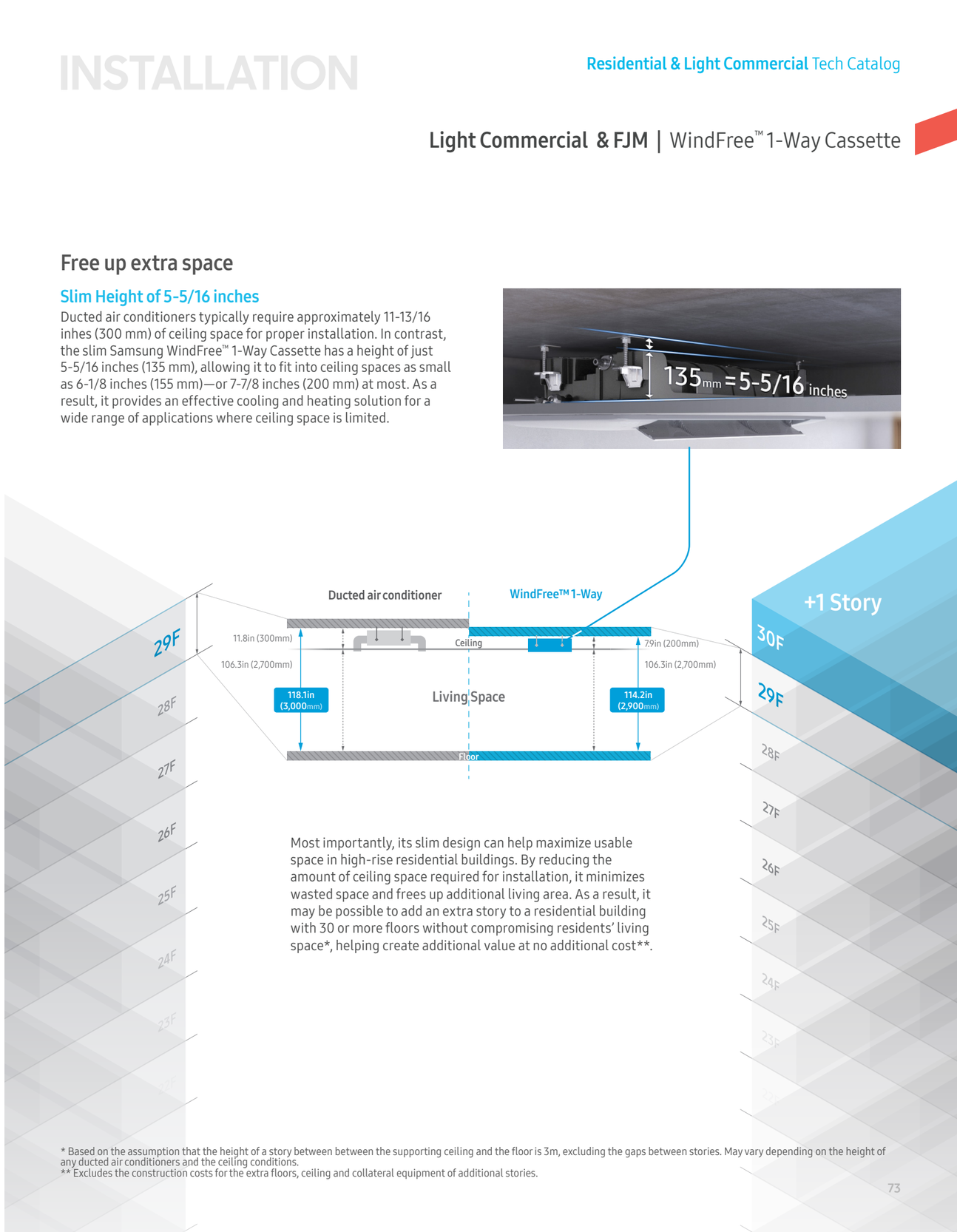
Smart Comfort Operation

Temperature and humidity are key factors that influence how people feel. Optimal comfort is generally achieved between 73–79°F (23–26°C) with a relative humidity level of around 60%. To help maintain these conditions, the WindFree™ 1-Way Cassette features both temperature and humidity sensors. The unit continuously monitors and analyzes room conditions, then automatically switches between operating modes to help maintain a comfortable indoor environment without the need for manual adjustment.

Free up extra space

Slim Height of 5-5/16 inches

Ducted air conditioners typically require approximately 11-13/16 inhes (300 mm) of ceiling space for proper installation. In contrast, the slim Samsung WindFree™ 1-Way Cassette has a height of just 5-5/16 inches (135 mm), allowing it to fit into ceiling spaces as small as 6-1/8 inches (155 mm)—or 7-7/8 inches (200 mm) at most. As a result, it provides an effective cooling and heating solution for a wide range of applications where ceiling space is limited.



Most importantly, its slim design can help maximize usable space in high-rise residential buildings. By reducing the amount of ceiling space required for installation, it minimizes wasted space and frees up additional living area. As a result, it may be possible to add an extra story to a residential building with 30 or more floors without compromising residents' living space*, helping create additional value at no additional cost**.

* Based on the assumption that the height of a story between between the supporting ceiling and the floor is 3m, excluding the gaps between stories. May vary depending on the height of any ducted air conditioners and the ceiling conditions.
** Excludes the construction costs for the extra floors, ceiling and collateral equipment of additional stories.

Fits into entrance door aisles as narrow as 43-5/16 inchese (1.1 m) wide

Compact Design with 37-3/8 inches Width

Compared to ducted air conditioners, cassette-type air conditioners can help reduce installation costs because they require only a single opening and no ductwork. However, conventional 1-Way cassettes are typically at least 47-1/4 inches (1,200 mm) wide, making them difficult to install in the narrow space above an entrance door. As a result, many hotels and residential buildings have been unable to take advantage of 1-Way cassette systems without modifying their interior design or changing the installation location.

At just 37-3/8 inches (950 mm) wide, the Samsung WindFree™ 1-Way Cassette can be installed in the narrow space above an entrance door as an alternative to a ducted air conditioner. It is also an ideal solution for replacing older ducted systems in hotel rooms and bedrooms, as it can often be installed in the same location as the existing unit, helping minimize additional installation costs.



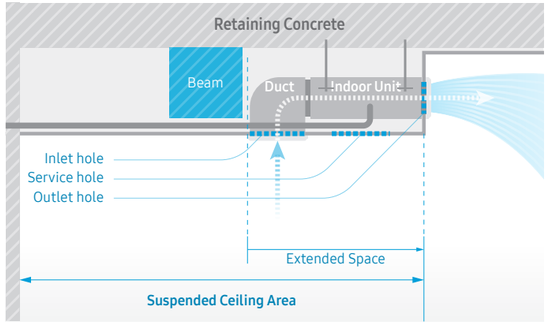


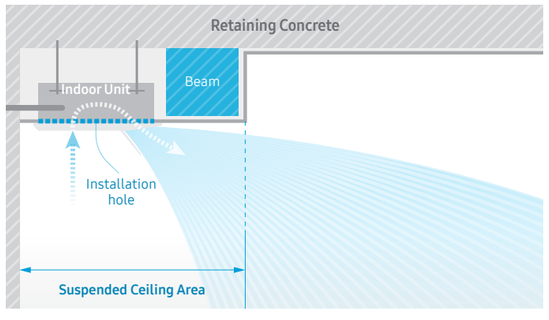
Flexible Installation Around Ceiling Beams

Downward Air Flow

With conventional ducted air conditioners, the installation location is often limited by the position of ceiling beams because the air inlet and outlet are located at the front and rear of the unit. If a beam is located in the desired installation area, the unit may need to be positioned in front of the beam, which can result in more complex ductwork, additional costs to extend ceiling space, and a more cramped ceiling appearance.

The Samsung WindFree™ 1=Way Cassette features both the air inlet and outlet on the bottom of the unit, allowing it to be installed flexibly regardless of beam location. Whether positioned in front of or behind a beam, it can help eliminate the need for additional ceiling space or complex ductwork. This provides greater flexibility in unit placement and discharge direction while helping reduce installation costs.





INSTALLATION

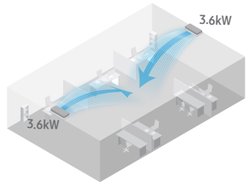
Residential & Light Commercial Tech Catalog

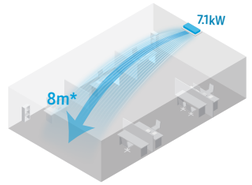
Light Commercial & FJM | WindFree™ 1-Way Cassette

One unit can do the work of two

Large Air Flow Blade

Cool your space quickly and evenly from corner to corner. The WindFree™ 1-Way Cassette features a 3-15/16 inches (100 mm) airflow blade that delivers cool air up to 26 feet and 3 inches (8 m)* and operates through a wide 30° to 80° angle. This long-reach airflow distributes air more evenly throughout the room, helping eliminate uncomfortable “dead zones.” In long rectangular spaces, a single WindFree™ 1-Way Cassette can provide coverage that may otherwise require two conventional 1-Way cassette units, helping reduce installation and maintenance costs.



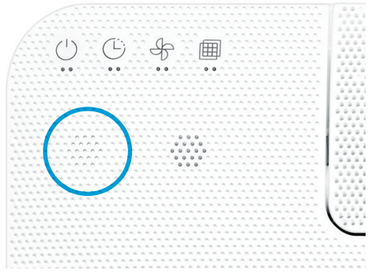




Go wireless without additional installation

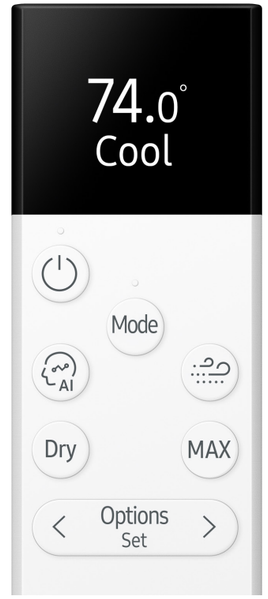
Built-in Remote Control Receiver

Remote controls provide convenient operation of the air conditioner, with two options available to suit different installation requirements:



Wired Remote Controller (MWR-WG01UN)
Wall-mounted and connected directly to the indoor unit.

Wireless Solar Remote Controller (AR-CH01U)
Controls the indoor unit wirelessly without requiring a fixed installation location.

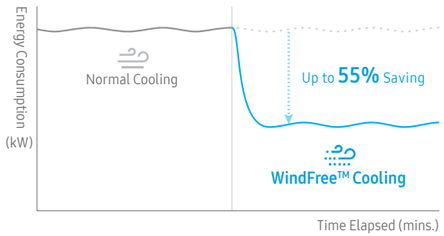


* Based on internal testing on a 7.1kW model. Results may vary depending on environmental factors and individual use.

Reduce energy use by 55%* while staying comfortable

WindFree™ Cooling (Energy Saving)

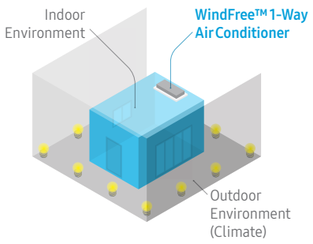
Save money every day with the highly energy-efficient WindFree™ Cooling technology. When operating in WindFree™ mode, the outdoor unit uses only minimal power, consuming up to 55% less electricity than Normal Cooling mode*. Despite its reduced energy consumption, it continues to maintain a comfortable indoor environment**, delivering effective cooling while helping lower operating costs.



Cooler comfort indoors, proven with WindFree™ technology

To rigorously evaluate air conditioner performance under a variety of climate conditions, Samsung operates a specialized Test Lab featuring a full-scale house within a controlled environment. The facility can simulate and maintain precise outdoor weather conditions for testing.

In this test, with both indoor and outdoor temperatures set to 95°F (35°C), a WindFree™ 1-Way Cassette installed in the house began cooling in Normal mode. After the room reached the target temperature of 77°F (25°C), the unit automatically switched to WindFree™ mode and maintained a stable indoor temperature of 77°F (25°C), ± 1°F (0.5°C) for more than eight hours.



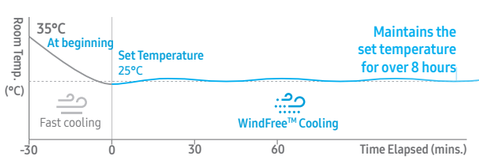
Test Conditions

- **Temperature:** Outdoor 95°F (35°C) (Sustained), Indoor 95°F (35°C) (At beginning)
- **Indoor Area:** 430.6 ft² (40m²)
- **Product:** WindFree™ 1-Way Cassette air conditioner 7.2kW model
- **Measurement:** Temperature distribution and consumed energy using Normal cooling and then WindFree™ Cooling

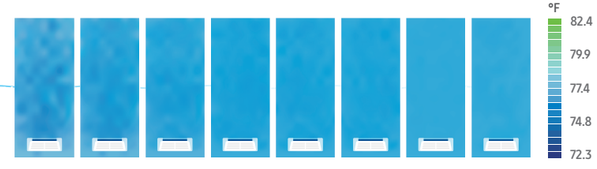
Test Results

- Using fast cooling, the room temperature reached the set temperature after 30 minutes.
- Mode changed to WindFree™, which maintained the indoor temperature 77°F ± 1°F (25°C±0.5°C) while the outdoor temperature remained constant.

Indoor Temperature Change



Indoor Temperature Distribution in WindFree™ Cooling



* Based on internal testing: Outdoor unit AM050FXMDEH running simultaneously with Indoor units AM056NN1DEH, AM036NN1DEH, AM022NN1DEH. Temperature conditions: Outdoor 95°F (35°C) DB / 75.2°F (24°C) WB, Indoor 80.6°F (27°C) DB / 66.2°F (19°C) WB. Results may vary depending on environmental factors and individual use.
** Based on internal testing on a WindFree™ 1Way 7.2kW model in a Test Lab, following the experimentation method described below.

Advanced high performance filter

Pre-Filter

The WindFree™ 1-Way Cassette features a 50-mesh pre-filter that's approximately 0.02 inches (0.5 mm), which is 20% denser than standard vinyl chloride filters. As a result, it captures finer dust particles to help reduce airborne dust and improve indoor air quality.

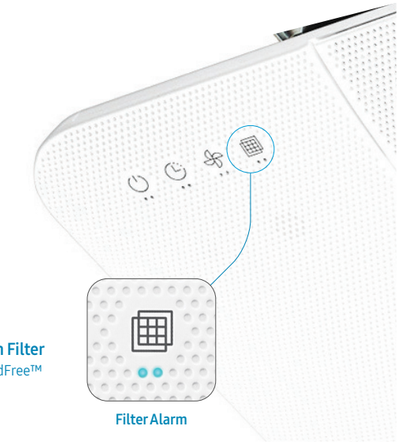
A filter cleaning indicator on the decorative panel alerts users when maintenance is required, and the filter can be easily removed for cleaning by opening the return grille.

Vinyl Chloride Mesh Filter
Commonly used in general ducted air conditioners





Samsung's 50 Mesh Filter
Used in Samsung WindFree™ 1-Way Cassettes



DIY filter cleaning

Quick and Easy Filter Maintenance

Routine maintenance is simple with the Samsung WindFree™ 1-Way Cassette. Its washable, built-in filter can be easily removed, cleaned with water, and reinstalled without specialized tools, making regular filter maintenance fast and convenient while helping maintain reliable system performance.



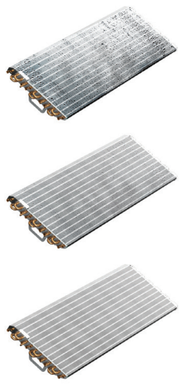
Easy to clean with water
You can easily remove and clean the filter yourself

Stay clean and fresh with less moisture

Auto Clean

When an air conditioner is turned off after operating in cooling mode, the difference between indoor and outdoor temperatures can cause moisture to condense on the heat exchanger. This moisture can promote mold growth and lead to unpleasant odors.

To help prevent this, the Samsung WindFree™ 1-Way Cassette features a humidity sensor and Auto Clean function*. After operation, it automatically dries the heat exchanger using a three-step process that monitors temperature and humidity inside the unit. By blowing air for 10 to 30 minutes, it removes residual moisture and helps prevent odor buildup.



STEP 01
When the air conditioner turns off, the Auto Clean function begins blowing air with open blades for 10 minutes.

STEP 02
Checks the internal humidity and temperature, and blows air with closed blades for 10 minutes if necessary.

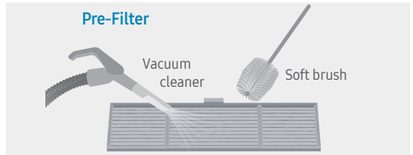
STEP 03
Checks the internal humidity and temperature once more, and continues for another 10 minutes if necessary.

Pre-filter last longer with a simple wash

Washable Filter

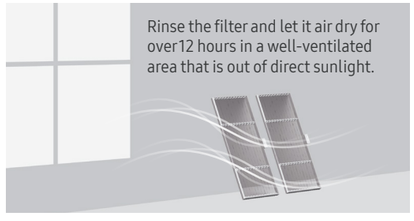
The washable and reusable Pre-Filter helps maintain clean, fresh air while reducing maintenance costs by eliminating the need for frequent filter replacements.

STEP 01/ Wash



Remove any dust or debris on the filter with water or using a vacuum cleaner.

STEP 02/ Rinse and Air Dry



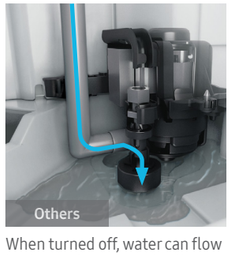
Rinse the filter and let it air dry for over 12 hours in a well-ventilated area that is out of direct sunlight.

Prevents backflow for better drainage

Drain Pump with Check Valve

A built-in drain pump provides greater flexibility when installing drainage systems. It also features a standard check valve that helps prevent condensed water from flowing back into the system or dripping into indoor spaces, reducing the potential for water stagnation and drain water overflow.

By helping minimize the amount of water that remains in the drain board, the system supports cleaner operation and reliable long-term performance.



When turned off, water can flow back into the pipe and collect in the drain board, increasing the potential for water stagnation and drain water overflow.



When turned off, a Check Valve prevents water from flowing back, so the drain board quickly gets dry and stays clean.

MAINTENANCE

Residential & Light Commercial Tech Catalog

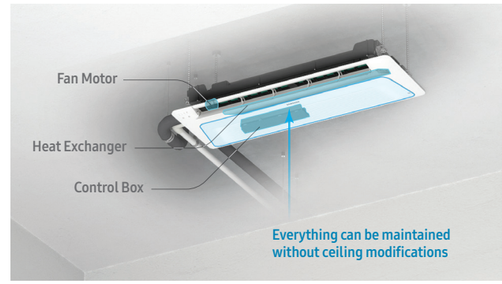
Light Commercial & FJM | WindFree™ 1-Way Cassette

Simplified maintenance access

Easy Service Access

The Samsung WindFree™ 1-Way Cassette is designed for convenient service access. By simply removing the decorative panel, technicians can easily access key internal components such as the fan motor, heat exchanger, and control box for routine inspection, maintenance, and servicing.

This streamlined design helps reduce service time while simplifying maintenance throughout the life of the system. In many installations, it also minimizes the need for a separate ceiling access opening*, helping maintain a clean, finished ceiling appearance.



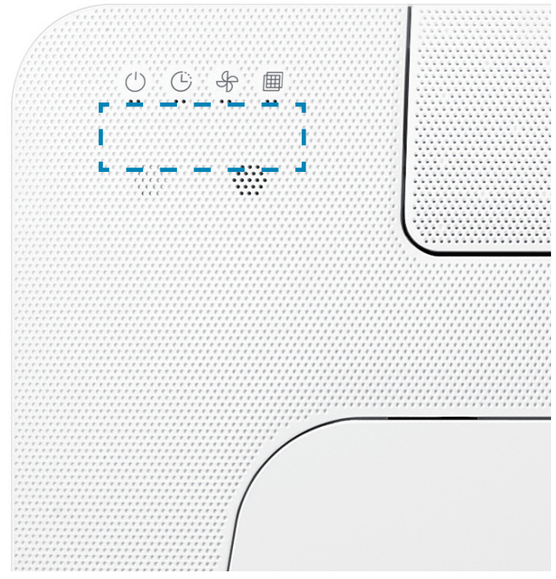
Quick troubleshooting means less downtime

Self Diagnosis

Help minimize downtime with the WindFree™ 1Way Cassette's Self-Diagnosis function. When a malfunction occurs, the system immediately alerts users, allowing service to be scheduled quickly. Error codes and LED indicators also help technicians identify the source of the issue more efficiently, reducing diagnostic time and helping speed up repairs.

Examples of relevant errors	LED lamp display			
	On/Off	Timer	Fan	Filter
Error on indoor temperature sensor		◑		
Error on heat exchanger sensor of the indoor unit	◑	◑		
Error on outdoor unit sensors	◑		◑	
Error on MDS (Motion Detect Sensor)	◑			◑

◑ Flickering



* Rarely required, depending on the installation conditions.

INDOOR UNIT

- Light Commercial

Light Commercial | 360 Cassette

Black, round panel: PC6EBSMUNW



360 Cassette

Premium

Model No.
IDU: AC0**DN6DCG/AA
ODU: AC0**DXSCCG/AA

Available Capacities (Btu/h)
18,000 / 24,000 / 30,000 / 36,000 / 48,000





The Samsung 360 Cassette delivers a new approach to indoor comfort with innovative, all-around airflow and a distinctive circular design. As the world's first circular-design air conditioner, it represents a truly original concept and has received prestigious design awards worldwide. Available in a variety of panel styles, colors, and customizable skins, it integrates seamlessly into a wide range of interior environments while adding a sophisticated aesthetic.

Its circular, bladeless outlet distributes cool air evenly in all directions, helping maintain a more consistent temperature throughout the room*. By eliminating traditional blades, airflow is dispersed more gently without creating the sensation of a cold draft**, while also reducing airflow obstruction at low discharge angles. As a result, it delivers up to 25% more airflow*** and extends air distribution farther throughout the space.

Main Features

Design
Circular Design
Panel and Skin Designs
Blends Perfectly

Comfort
Booster Fan
Bladeless Design
Omni-Direction Outlet
Controlled Airflow
Fresh Air Intake

Smart Control
Circular LED Display
SmartThings
Motion Detect Sensor****

Installation/Maintenance
Pre-Filter
DIY Filter Cleaning
Drain Pump w/Check Valve
Slim Design
Dew Prevention
Simplified Wired Remote
Lightweight Indoor Unit

* Within a 30 feet and 6 inches (9.3 m) diameter, the temperature difference is less than 1.1°F (0.6°C).
** Within a 16 feet and 5 inches (5 m) radius, no cold draft is detected between 0 and 59 inches (0–1.5 m) above the floor when using the 14.0 kW model.
*** Based on internal testing compared to a conventional 4-Way Cassette air conditioner.
**** This function is optional. An MDS Kit is required: MCR-SMEU for the 360 Cassette.









Designed to complement any interior

The World's First Circular Design

As the world's first circular-design air conditioner, the 360 Cassette features a distinctive appearance that complements a wide range of interior styles. Its minimalist, elegant design helps create a sophisticated aesthetic in a variety of commercial environments. The circular form is especially striking in exposed-ceiling applications, a popular feature in modern architectural design, where it serves as both a functional HVAC solution and a distinctive design element.



Customizable for Unique Styling

A Wide Variety of Panels and Custom Skins

Unlike many circular cassette systems that offer only a circular panel design, the Samsung 360 Cassette is available with both square and circular panel options in either white or black. This allows you to choose a panel style that complements a wide range of interior designs.

For even greater customization, Samsung can create custom panel skins featuring elements such as brand logos, unique colors, or national flags, helping create a distinctive and personalized appearance.





Designed to blend perfectly with the ceiling

2-Way Installation

The Samsung 360 Cassette offers greater installation flexibility than conventional circular cassette systems. It can be installed below the ceiling, like a traditional air conditioner, or recessed into the ceiling for a flush, integrated appearance.

This flexibility allows the unit to either serve as a distinctive design feature or blend seamlessly into the surrounding architecture, creating a clean and sophisticated look.



Within the ceiling



Below the ceiling

Comfortably cool without unpleasant drafts

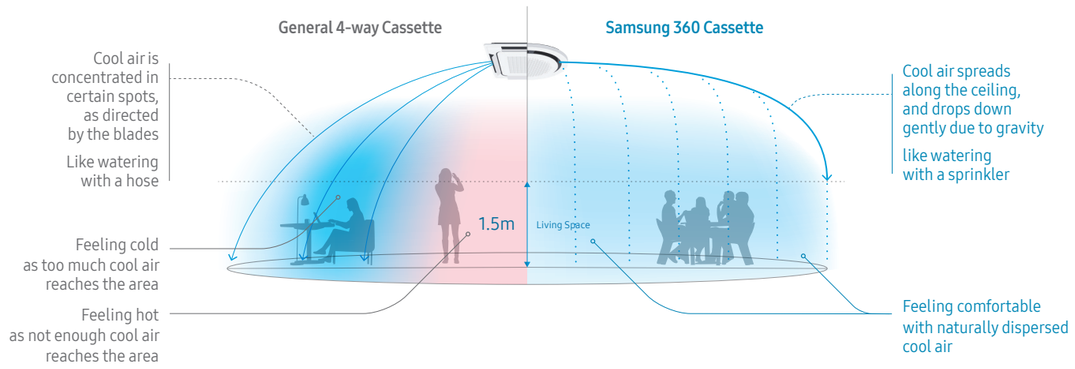
Booster Fan

Conventional 4-Way Cassette systems can create cold drafts and uneven temperatures because air is discharged in fixed directions. As a result, occupants directly in the airflow may feel too cold, while other areas of the room remain warmer.

The Samsung 360 Cassette features a unique bladeless design with Booster Fan technology, patented in 13 countries globally*. Three Booster Fans create a low-pressure area around the circular outlet by drawing in surrounding air. This innovative airflow design allows cool air to be discharged at lower angles, helping it travel farther along the ceiling before gently descending into the occupied space.

The result is more even air distribution and enhanced comfort throughout the room, without the unpleasant sensation of direct cold airflow**.





* Registered in Korea, USA, EU, Australia, Japan and other countries.
** Within a 5m radius, no cold draft between 0~1.5m in height (with 14.0kW).

Cools faster with unrestricted airflow

Bladeless Design

The 360 Cassette features a bladeless design with Booster Fans that control airflow direction without the use of traditional blades. By eliminating airflow obstructions, particularly at low discharge angles, it delivers up to 25% more airflow* and distributes air farther throughout the space.

As a result, the room reaches a comfortable temperature more quickly, especially when operating in Fast Cooling mode.





Samsung 360 Cassette
Air flow control with Booster Fans

Vertical



Horizontal



No loss of air flow at every angle



General 4-Way cassette
Air flow control with blades

Vertical



Horizontal

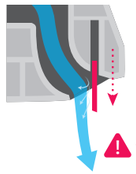


Loss of air flow may occur at a lower angle



Other brand's circular cassette
Air flow control with vanes

Vertical



Horizontal



Loss of air flow may occur at a higher angle

* Based on internal testing compared to a general 4-way cassette air conditioner.

COMFORT

Residential & Light Commercial Tech Catalog

Light Commercial | 360 Cassette

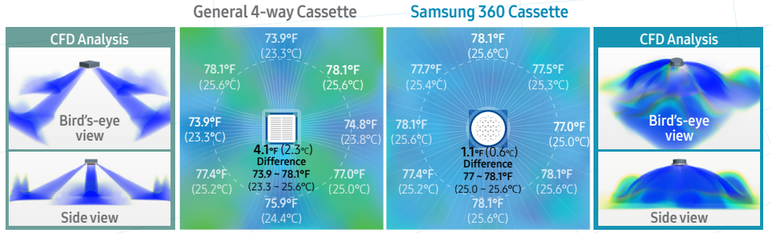
Circulates air evenly and cools every corner

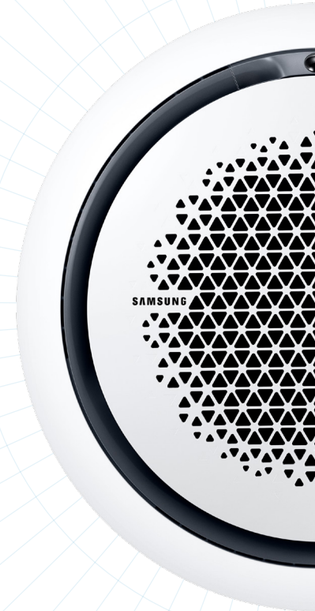
Omni-Directional Outlet

Conventional 4-Way Cassette systems discharge air in only four directions, which can result in uneven airflow and temperature variations throughout the room. As a result, some areas may feel too warm or too cool due to inconsistent air distribution.

The Samsung 360 Cassette features a circular, bladeless outlet that circulates conditioned air evenly in all directions, helping maintain a more consistent and comfortable temperature throughout the space.

In Samsung internal testing, a conventional 4-Way Cassette recorded a temperature deviation of 4.1°F (2.3°C) within a 30 feet and 6 inches (9.3 m) diameter area. Under the same conditions, the 360 Cassette recorded a temperature deviation of just 1.1°F (0.6°C), representing a reduction of 3.0°F (1.7°C)*.

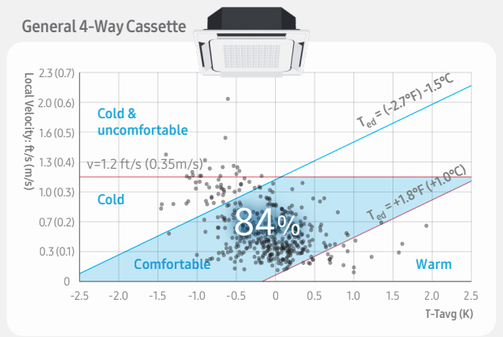


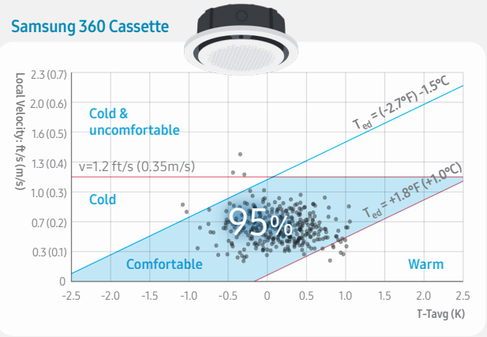


ADPI (Air Diffusion Performance Index)

ADPI (Air Diffusion Performance Index) is a metric used to evaluate the performance of an air distribution system within a room or zone, based on air velocity and effective draft temperature measurements throughout the space.

In testing conducted by Intertek, the Samsung 360 Cassette achieved an ADPI of 95%, which is 11% higher than conventional 4-Way Cassette air conditioners, demonstrating its ability to provide more comfortable cooling.





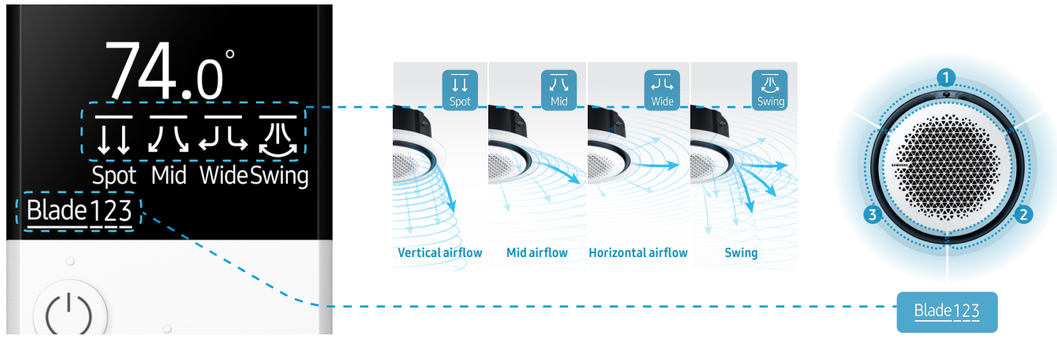
* Tested using 14.0 kW 4-Way Cassette and 360 Cassette indoor units operating in horizontal airflow mode. Temperature measurements were taken at a height of 43-5/16 inches (1.1 m) in a room set to 78.8°F (26°C), after 30 minutes of cooling operation..

Optimized air flow, maximized comfort

Individual Control of Airflow Angles

The Samsung 360 Cassette features a circular outlet divided into three sections, with the airflow angle of each section individually adjustable to one of three positions—vertical, mid, or horizontal—using a remote controller. This allows users to customize airflow direction to suit their comfort preferences, whether delivering direct or indirect airflow, covering a wider area, or focusing cooling on a specific location.

In addition, Swing mode automatically adjusts the airflow angles to help distribute air evenly throughout the room.

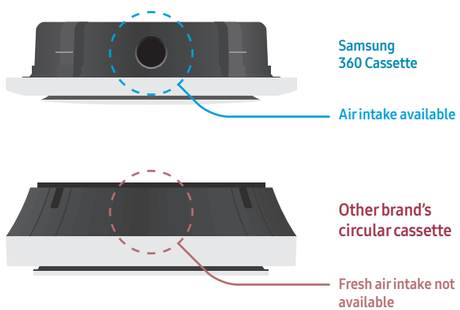


Remote cnotrol display shown for illustrative purposes only. Actual screen appearance may vary.

Bring more fresh air indoors

Fresh Air Intake

Without a source of fresh outdoor air, CO_2 levels can increase as occupants continue to breathe and recirculate the same indoor air. By connecting a Fresh Air Intake hose to your 360 Csassette, fresh outdoor air can be continuously introduced into the room to help maintain a healthier and more comfortable indoor environment



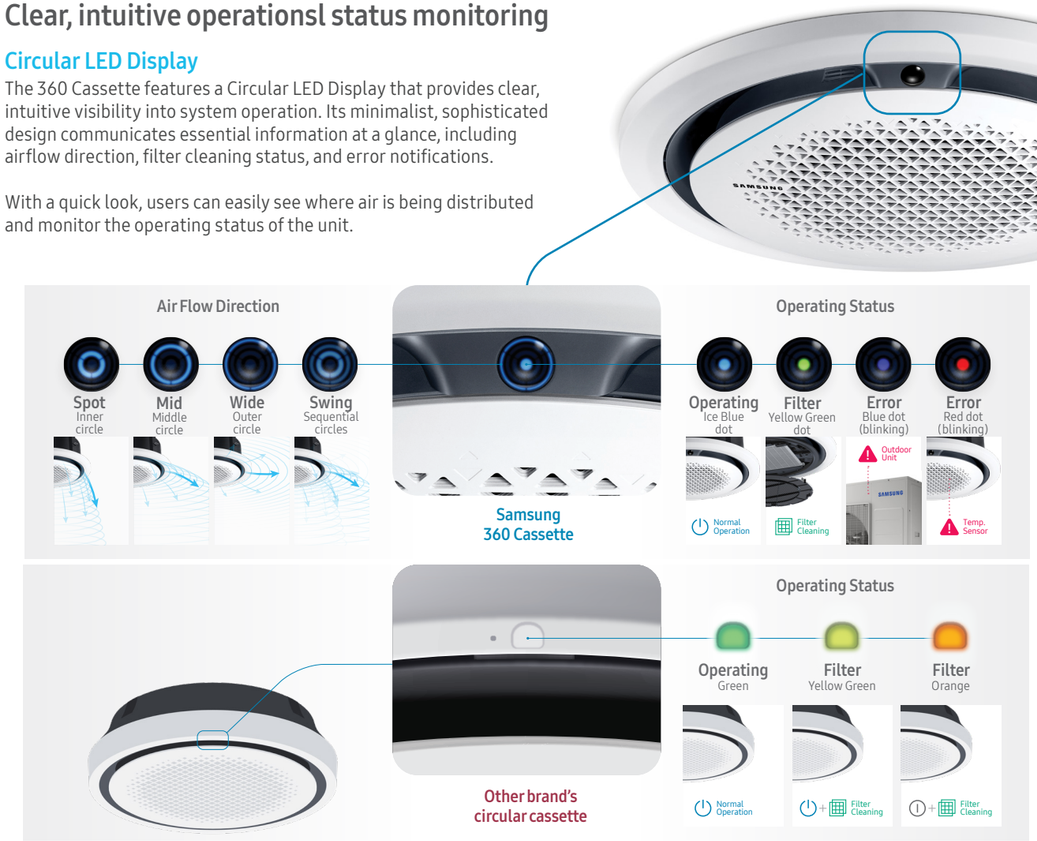


Clear, intuitive operationsl status monitoring

Circular LED Display

The 360 Cassette features a Circular LED Display that provides clear, intuitive visibility into system operation. Its minimalist, sophisticated design communicates essential information at a glance, including airflow direction, filter cleaning status, and error notifications.

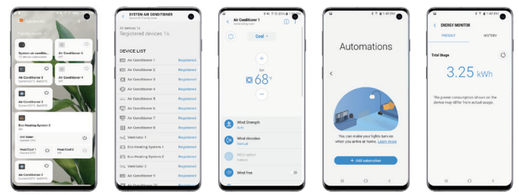
With a quick look, users can easily see where air is being distributed and monitor the operating status of the unit.



Remote control - anytime, anywhere

SmartThings

Control your Samsung air conditioner from virtually anywhere using the Wi-Fi function on a smartphone*. With the SmartThings app, you can remotely turn the 360 Cassette on or off, adjust the operating mode and temperature, schedule start and stop times, and manage other functions. This added convenience provides peace of mind by helping ensure your home or workplace stays comfortable while avoiding unnecessary energy use.



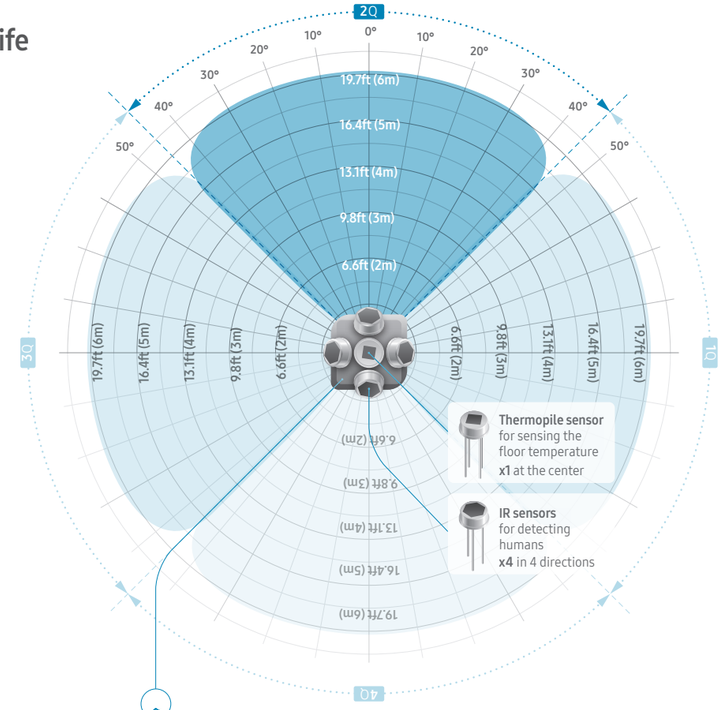
*Available on Android and iOS devices. An optional Wi-Fi Kit (MIM-H03N or higher) with a Wi-Fi connection and a Samsung account are required.

Intelligently brings comfort to your life

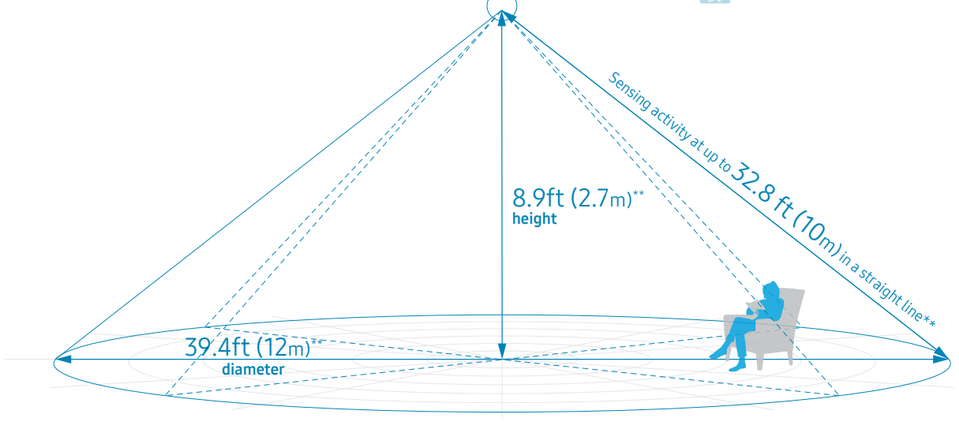
Motion Detect Sensors (MDS)*

The Samsung 360 Cassette features an advanced Motion Detect Sensor (MDS) that helps optimize comfort and energy efficiency based on room occupancy. Unlike earlier occupancy sensors that only detected the presence or absence of people, the MDS can identify occupant activity levels, locations within the room, and floor temperature conditions.

Using this information, the system automatically adjusts operation to enhance comfort and efficiency. It can reduce energy consumption when the room is unoccupied, direct airflow toward or away from occupants as needed, and automatically adjust temperatures to match activity levels.



Motion Detection Sensor
Part No. MCR-SMEU



* This function is optional, requires MDS Kit, part no. MCR-SMEU.

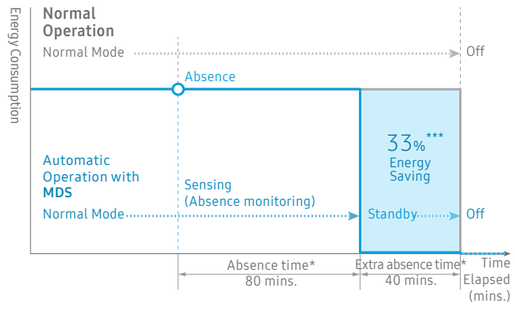
SMART CONTROL
Residential & Light Commercial Tech Catalog
Light Commercial | 360 Cassette

Motion Detect Sensor (MDS) - Continued

1. Absence Detection Operation

The 360 Cassette's Motion Detect Sensor detects when no movement has been detected for a preset absence time* and automatically turns off the air conditioner. If activity is detected during the additional absence time, the system returns to normal operation. If no movement is detected, it continues the absence detection process.

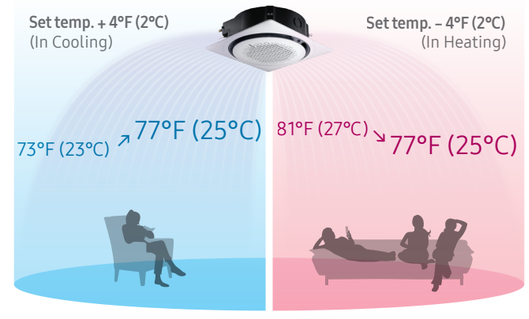
The absence period can be configured through the indoor unit installation settings. In addition, the system's learning function continuously monitors occupancy patterns and automatically adjusts the absence period by 5 or10 minutes based on previous usage.



2. Activity Detection Operation

By sensing the activity level of room occupants, the 360 Cassette automatically optimizes the indoor temperature to enhance comfort while reducing unnecessary energy consumption. Depending on occupancy conditions, it can adjust the operating temperature by up to 3.6°F (2°C) above or below the set temperature.

For example, in cooling mode, the system may operate up to 3.6°F (2°C) above the set temperature when only a few people are present in the room. In heating mode, when occupancy levels are high, it may operate up to 3.6°F (2°C) below the set temperature. These automatic adjustments help maintain comfort while improving energy efficiency.



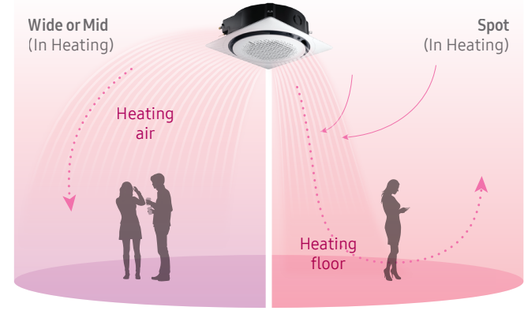
3. Direct or Indirect Wind on Demand

You can easily choose whether the air conditioner directs airflow toward you or away from you. The Motion Detect Sensor monitors your location and movement, then automatically adjusts the vertical airflow direction based on the selected mode. As a result, there's no need for manual adjustments—you can enjoy optimal comfort wherever you are in the room.



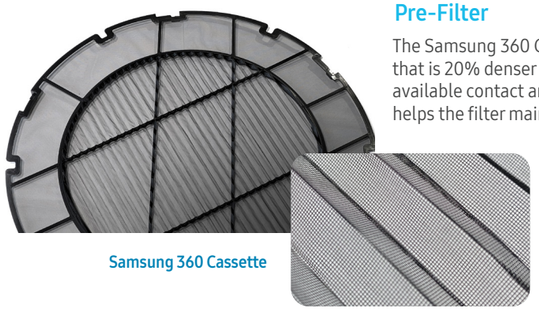
4. Vertically Even Heating

In heating mode, the Motion Detect Sensor monitors the floor temperature and compares it with both the set temperature and the indoor air temperature. When the floor temperature is 14°F (8°C) or more below the other measured temperatures, the 360 Cassette automatically directs warm air vertically toward the floor to help create a consistently warm and comfortable environment.



* The absence time can be set to either 20, 40 or 80 minutes, and extra absence time can be set to either10, 20 or 40 minutes.
** When the absence time is set as 80 minutes. Based on internal testing on the 360 Cassette, comparing Normal operation vs. Automatic operation with the Motion Detect Sensor. Standard cooling operation: outdoors (35°C DB / 24°C WB), indoors (27°C DB / 19°C WB). Results may vary depending on environmental factors and individual usage.

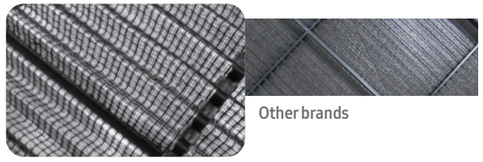
Enhanced filtration for cleaner air



Samsung 360 Cassette

Pre-Filter

The Samsung 360 Cassette features a high-density filter mesh with 0.02-inch (0.5 mm) openings that is 20% denser than a conventional vinyl chloride filter. Its ridged surface also increases the available contact area, helping capture dust and airborne contaminants more effectively which helps the filter maintain cleaner indoor air while supporting overall system performance.

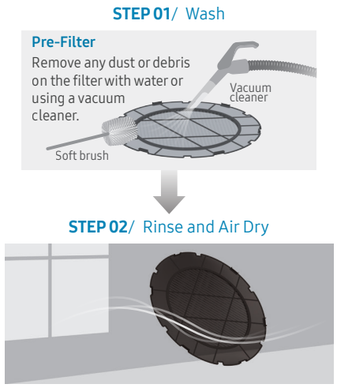


Other brands

Use longer with a simple wash

DIY Filter Cleaning

The 360 Cassette's high performance filter is washable and reusable, helping maintain clean, fresh air while reducing maintenance costs by eliminating the need for frequent filter replacements.



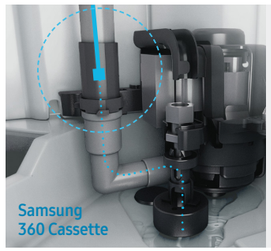
Rinse the filter and let it air dry for over 12 hours in a well-ventilated area that is out of direct sunlight.

No need to worry about backflow

Drain Pump with Check Valve

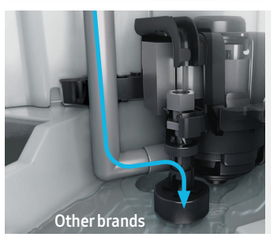
Minimize concerns about water stagnation and drain water overflow. The 360 Cassette features a built-in Drain Pump with Check Valve that helps prevent condensed water collected during the cooling process from flowing back into the system and dripping into indoor spaces. As a result, water is directed away from the unit for reliable condensate drainage.

It also helps minimize the amount of water that remains in the drain board, supporting cleaner operation while reducing residual moisture and helping maintain long-term system reliability.





When turned off, a Check Valve prevents water from flowing back, so the drain board dries quickly and stays clean.





When turned off, water in the pipe flows backward to the drain board, which may cause fungi.

Takes up less space, offers more flexibility

Slim Design

The slim design* of the Samsung 360 Cassette makes installation easier in applications with limited ceiling space. When equipped with a circular panel, it can fit into ceiling spaces as small as 8-7/8 inches (225 mm)**, providing greater flexibility and allowing installation in a wider range of locations.

Minimum Height of the Ceiling Space for Installation***



With a **Circular Panel**		With a **Square Panel**
8-7/8 in. (225mm)	**5.2 ~ 10.0kW models** Height: 11-3/4 in. (299mm)	10-1/16 in. (255mm)
12-3/16 in. (310mm)	**11.0 ~ 14.5kW models** Height: 15-1/16 in. (383mm)	13-3/8 in. (340mm)

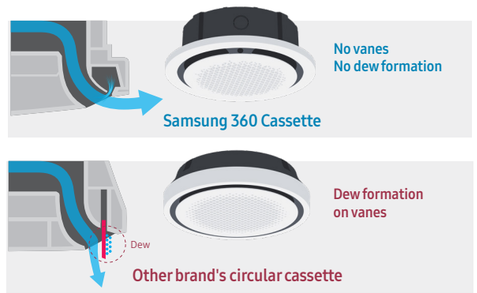
Two main unit types are available depending on capacity, with dimensions varying by model. Models from 5.2 to 10.0 kW are 11-3/4 inches (299 mm) high, while models from 11.0 to 14.5 kW are 15-1/16 inches (383 mm) high, including the grille and panel frame. Product dimensions may vary by type and capacity.
** Minimum ceiling space requirements may vary depending on the panel design. Square panels require 1-3/16 inches (30 mm) more ceiling height than circular panels.
*** Includes a 13/16-inch (20 mm) gap to the retaining surface within the ceiling cavity.

Designed to help prevent dew formation

Dew Prevention Design

Preventing dew formation is essential to maintaining air conditioner performance and reliability. The Samsung 360 Cassette helps minimize dew formation by controlling airflow direction through its bladeless outlet using patented Booster Fan technology.

In contrast, some circular cassette systems use blades (vanes) to control airflow direction, which can allow dew to form on the vane surfaces*.



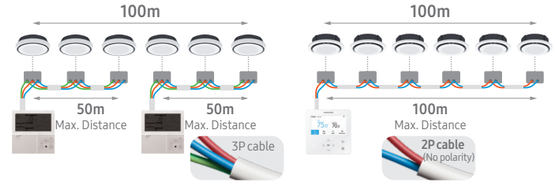
*Tested in Samsung's laboratory under cooling operation at low fan speed for 8 hours in high-humidity conditions exceeding 80% relative humidity.

Less wiring, lower installation costs

Simplified Wired Remote Controller Installation

The Samsung 360 Cassette supports wired remote controller connections using just two wires and allows a maximum cable length of 328 feet (100 m). In comparison, conventional circular cassette systems may require three wires and support a maximum cable length of only 164 feet (50 m).

This extended wiring distance provides greater installation flexibility and can help reduce installation and material costs by approximately 43%* when connecting multiple indoor units to a wired remote controller over a 328-foot (100 m) distance.



*Based on a system with multiple indoor units connected over a distance of 328 feet (100 m), where another brand's circular cassette requires one additional wired remote controller compared to the Samsung 360 Cassette. Cost calculations are based on market prices of $62.80 per wired remote controller and cable costs of $0.34/m for 3P cable and $0.25/m for 2P cable. Actual prices may vary by country and market conditions.

Simplified handling and installation

Lighter Weight

The Samsung 360 Cassette weighs just 52.3 lb (23.7 kg), making it 21% lighter than comparable circular cassette air conditioners*. Its lightweight design makes transportation, handling, and installation easier while reducing installation effort.





*Based on a comparison between the 7.2 kW model sold in Korea, including the circular panel (52.3 lb [23.7 kg]), and a comparable circular cassette air conditioner from another manufacturer (66.1 lb [30.0 kg]).

Light Commercial & FJM | Slim Duct

INDOOR UNIT

- Light Commercial
- Free Joint Multi



Slim Duct

Light Commercial
Premium
Model No.
IDU: AC0**DNLDCG/AA
ODU: AC0**DXSCCG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 18,000

Free Joint Multi
Premium
Model No.
IDU: AC0**DN1DCG/AA
ODU: AJ0**DXS*CG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 18,000

Free Joint Multi
Standard
Model No.
IDU: AC0**DN1DCG/AA
ODU: AJ0**DXJ*CG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 18,000

Enjoy greater flexibility when choosing where to install your air conditioner. The Samsung Slim Duct features a slim, ducted indoor unit design with a 2-Way Air Inlet, allowing it to be configured to suit a wide range of room layouts.

At just 7-13/16 inches (199 mm) high and 27-9/16 inches (700 mm) wide*, it can be discreetly concealed in many locations while remaining easy to install, maintain, and service. A filter cleaning indicator also automatically alerts users when the filter requires cleaning after 1,000 hours of operation**.

Main Features

Flexibility
2-Way Air Inlet
Slim & Compact Design
High Lift-Up Drain Pump

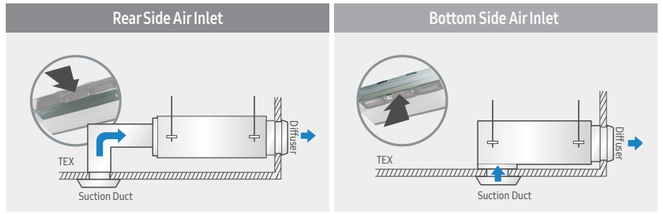
Convenience
Easy Access

* Based on the AM036KNLDEH/EU model. The width of other models may vary.
** 1,000 hours is the default setting, but this can be adjusted to 2,000 hours on the internal PCB.

Fits into many different spaces

2-Way Air Inlet

The Slim Duct features a 2-Way Air Inlet—bottom or rear—providing greater flexibility when selecting an installation location. It can be configured to suit a wide range of room layouts, helping optimize airflow throughout the space while remaining discreetly concealed above the ceiling for a seamless appearance.



Blends in seamlessly

Slim & Compact Design

Maintain the look and feel of your space without compromising comfort. At just 7-13/16 inches (199 mm) high and 27-9/16 inches (700 mm) wide*, the Slim Duct's compact design allows it to be discreetly concealed in a wide range of locations, minimizing its impact on the occupied space and interior design.

Its slim profile also makes installation, maintenance, and service quick and easy, providing an effective cooling and heating solution for a variety of commercial applications.



Flexible installation in more locations

High Lift-Up Drain Pump,

Enjoy greater flexibility when selecting an installation location. The Slim Duct offers a High Lift-Up Drain Pump** that can lift condensate up to 29-1/2 inches (750 mm), compared to the previous limit of 27-9/16 inches (700 mm). This added lift height provides more flexibility in unit placement while simplifying installation and maintenance.

Service is also more convenient, as the drain pump can be inspected, repaired, or replaced simply by removing the right-side panel.



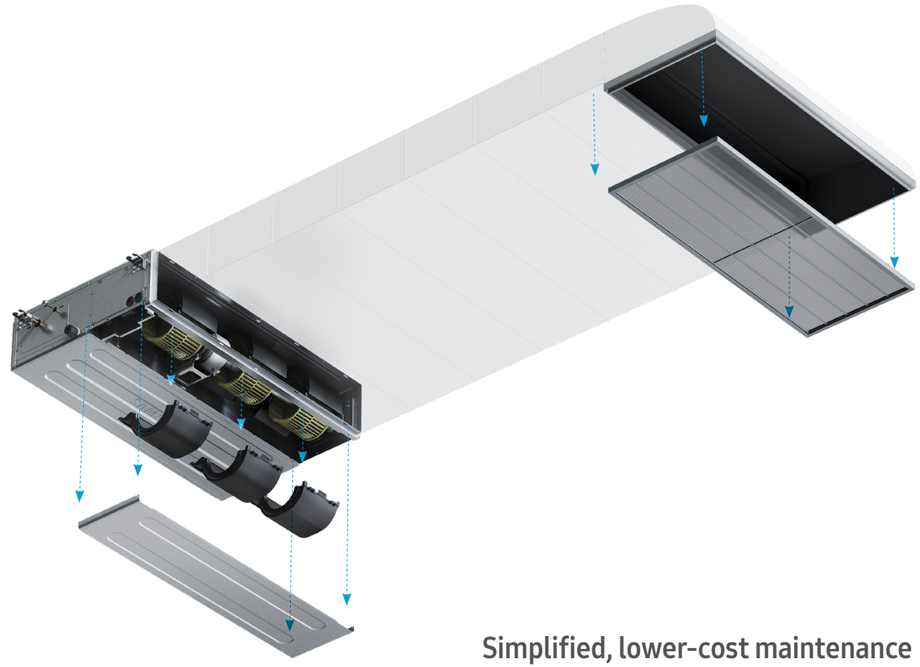
* Based on the AM036KNLDEH/EU model. The width of other models may vary.

** Specifications of a Drain Pump may vary by model.

Worry free service

Easy Access

The Slim Duct features a service-friendly design that provides easy access to internal components. As a result, maintenance and servicing can be completed more quickly and efficiently, helping reduce downtime and maintenance costs.



Simplified, lower-cost maintenance

Easy Access

The Slim Duct features a filter cleaning indicator that automatically alerts users when the filter requires cleaning after 1,000 hours of operation*. The duct system is designed to make filter maintenance simple, allowing the filter to be removed quickly and easily. As a result, maintenance time is reduced, helping lower service costs and minimize disruption to your business.

1,000 hours is the default setting; this can be adjusted to 2,000 hours on the internal PCB.

INDOOR UNIT

- Light Commercial
- Free Joint Multi

Light Commercial & FJM | Duct S



Duct S

Light Commercial
Standard
Model No.
IDU: AC0**DNHDCG/AA
ODU: AC0**DXADCG/AA

Available Capacities (Btu/h)
18,000 / 24,000 / 30,000 / 36,000 / 48,000

Light Commercial
Premium
Model No.
IDU: AC0**DNHDCG/AA
ODU: AC0**DXSCCG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 18,000 / 24,000 / 30,000 / 36,000 / 48,000

Light Commercial
-40 Cooling Only
Model No.
IDU: AC0**DNHDCG/AA
ODU: AC0**DXSCCF/AA

Available Capacities (Btu/h)
18,000 / 24,000 / 30,000 / 36,000

Free Joint Multi
Premium
Model No.
IDU: AC0**DNHDCG/AA
ODU: AJ0**DXS*CG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 15,000 / 18,000

Free Joint Multi
Standard
Model No.
IDU: AC0**DNHDCG/AA
ODU: AJ0**DXJ*CG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 15,000 / 18,000

Install and service your air conditioner more easily in a wider range of applications. The Samsung Duct S is a compact, lightweight ducted indoor unit that is 25% smaller and 30% lighter than conventional air conditioners*. Its space-saving design allows it to fit into even the smallest installation spaces while still delivering consistent cooling and heating performance.

The Duct S automatically optimizes airflow volume and pressure while minimizing operating noise. In addition, its three-way service access helps simplify maintenance and reduce service costs, regardless of installation location.

Main Features

Efficiency/Comfort
Auto ESP Adjustment
Smart Tuning
Away Mode

Control
SmartThings

Install/Maintenance
Compact and Lightweight
3-Way Service Access
High Lift-Up Drain Pump

Automatically optimizes comfort and performance

Auto ESP Adjustment

Enjoy consistent comfort and efficiency with minimal effort in a wide range of operating conditions. The Auto ESP Adjustment function automatically senses the external static pressure (ESP), regardless of duct length, and adjusts fan speed to optimize airflow volume and pressure while minimizing noise.

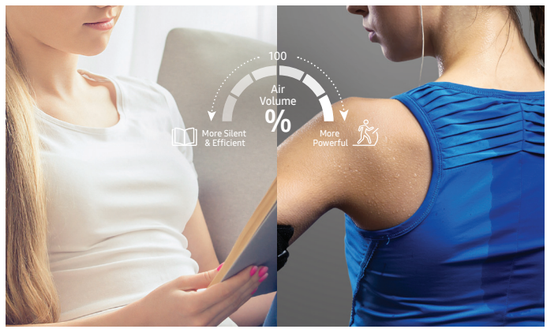
As a result, it helps maintain consistent cooling and heating performance in virtually any installation environment. The ESP can also be easily adjusted using a remote controller, helping reduce installation time.

Comfort that adapts to you

Smart Tuning

Smart Tuning provides precise control to help optimize comfort and performance for a variety of activities. The system allows operating settings to be fine-tuned based on occupant activity levels, helping create a more comfortable indoor environment.

Whether occupants are exercising, working, or relaxing, Smart Tuning helps maintain comfort while minimizing noise and reducing energy consumption through more efficient operation.

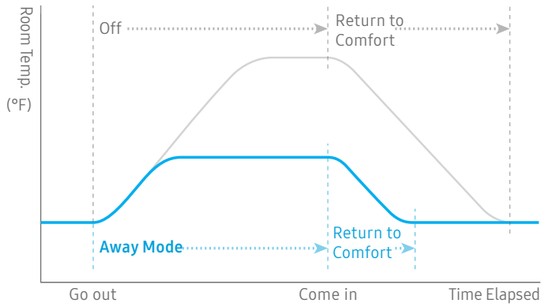


Energy savings while you're away

Away Mode

Avoid unnecessary energy use when you're away from home. Simply activate the Duct S air conditioner's Away Mode, and the system will maintain an optimal temperature with minimal operation during your absence.

This helps reduce energy consumption while ensuring a comfortable indoor environment when you return.



Residential & Light Commercial Tech Catalog

Light Commercial & FJM | Duct S

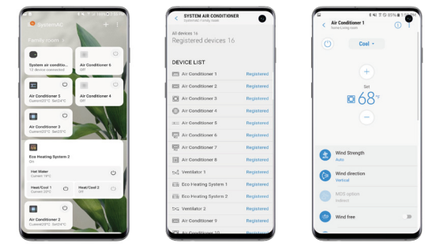


Remote control from anywhere

SmartThings

Control your Samsung air conditioner from virtually anywhere using the SmartThings app on your smartphone or tablet.* Remotely turn the system on or off, adjust the operating mode and temperature, create schedules, monitor system status, and manage additional functions with just a few taps.

SmartThings makes it easy to stay connected to your system, helping maintain comfort while reducing unnecessary energy consumption when you're away from home.



WORKS WITH SmartThings

* Available on Android and iOS devices. A Wi-Fi connection and an optional Wi-Fi Kit (MIMH02N) are required.

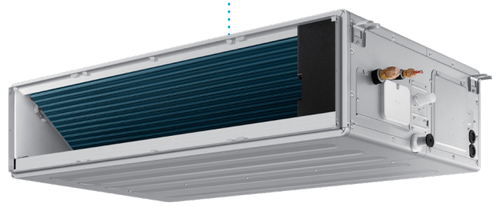


Compact design, flexible installation

Compact & Lightweight

Fit your air conditioner into even the smallest installation spaces. The Duct S features a lightweight, compact Slim Fit design that is 25% smaller and 30% lighter than conventional air conditioners*. Its streamlined construction makes handling and installation easier while providing greater flexibility in unit placement.

The compact design also simplifies maintenance, helping reduce service effort regardless of installation location.



25%
Smaller Volume*

30%
Less Weight*

* Based on internal testing comparing the Samsung Duct S AM030MNHDCH/AA model with the conventional AM030JNHDCH/AA model. Unit volume: Duct S = 210 L versus Conventional = 280.8 L. Unit weight: Duct S = 89.3 lb (40.5 kg) versus Conventional = 127.9 lb (58.0 kg).

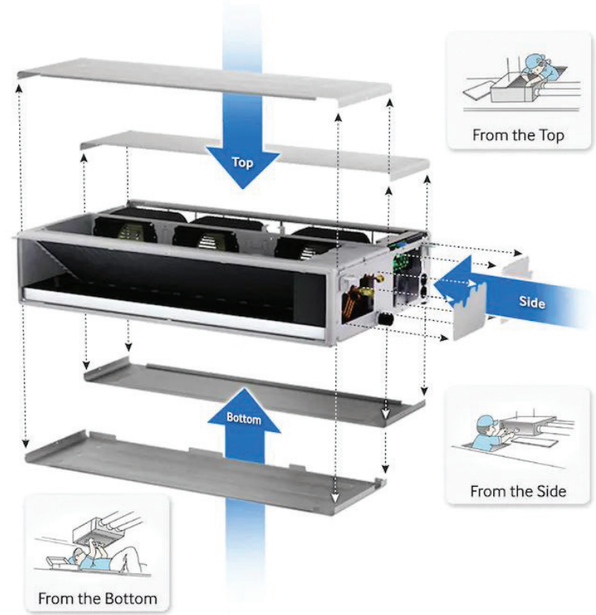
INSTALL/MAINTENANCE
Residential & Light Commercial Tech Catalog
Light Commercial & FJM | Duct S

Multiple easy service access points

3-Way Service Access

Service and maintain your ducted air conditioner more easily in a wide range of installation environments. The Duct S is designed to provide access to the fan, motor, and coil from three directions—top, side, and bottom—using an easy-to-remove Slide Fit cover.

As a result, maintenance can be performed more quickly and conveniently regardless of installation location, helping save both time and service costs.



Enhanced drainage equals reduced moisture buildup

High Lift-up Drain Pump

Enjoy greater flexibility when selecting an installation location. The Duct S features a High Lift-Up Drain Pump that can lift condensate up to 29-1/2 inches (750 mm), compared to the previous limit of 27-9/16 inches (700 mm). This added lift height provides more flexibility in unit placement while simplifying installation and maintenance.

Service is also more convenient, as the drain pump can be inspected, repaired, or replaced simply by removing the right-side panel.



INDOOR UNIT

- Light Commercial
- Free Joint Multi



Console

Light Commercial

Standard

Model No.
IDU: AC0**DNJDCG/AA
ODU: AC0**DXSCCG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 18,000

Free Joint Multi

Premium

Model No.
IDU: AC0**DNJDCG/AA
ODU: AJ0**DXS*CG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 15,000 / 18,000

Free Joint Multi

Standard

Model No.
IDU: AC0**DNJDCG/AA
ODU: AJ0**DXJ*CG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 15,000 / 18,000

The Samsung Console combines a slim design with powerful yet quiet performance. At just 7-13/16 inches (199 mm) thick, it delivers effective cooling while maintaining a comfortable indoor environment. Its 2-Way Air Outlets help distribute air evenly throughout the space, allowing the room to reach the desired temperature quickly and maintain consistent comfort.

In addition, four operating modes allow noise levels to be reduced to as little as 23 dB(A)*, which is nearly as quiet as a whisper.

Main Features

Design
Slim Design
Black Display
Clean Panel

Comfort
2-Way Air Outlets
Sllent Mode

Control
SmartThings

* Based on internal testing. Results may vary depending on environmental factors and individual use.

MAIN FEATURES

Blends in beautifully

Slim and Smart Design

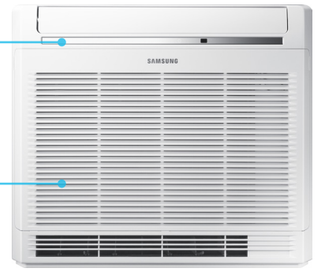
At just 7-13/16 inches (199 mm) thick, the Samsung Console features a slim, streamlined design that blends easily into a wide range of spaces and interior styles. Despite its compact profile, it delivers the performance needed to maintain a comfortable indoor environment, even in rooms with high ceilings and large window areas.

Black Display

The Black Display combines high visibility with convenient touch controls for simple and intuitive operation.

Clean Panel

The thoughtfully designed Clean Panel helps minimize dust accumulation, keeping the unit looking cleaner over time.



Remote control from anywhere

SmartThings

Control your Samsung air conditioner from virtually anywhere using the SmartThings app on your smartphone or tablet.* Remotely turn the system on or off, adjust the operating mode and temperature, create schedules, monitor system status, and manage additional functions with just a few taps.

SmartThings makes it easy to stay connected to your system, helping maintain comfort while reducing unnecessary energy consumption when you're away from home.

WORKS WITH SmartThings

Heats and cools evenly throughout the room

2-Way Air Outlets

Create a more comfortable indoor environment with consistent temperatures throughout the room. The Console air conditioner features dedicated air outlets for both cooling and heating, helping the space reach the desired temperature quickly and maintain it more effectively.

During heating operation, warm air is discharged from the lower air outlet, helping distribute warmth more evenly throughout the room.

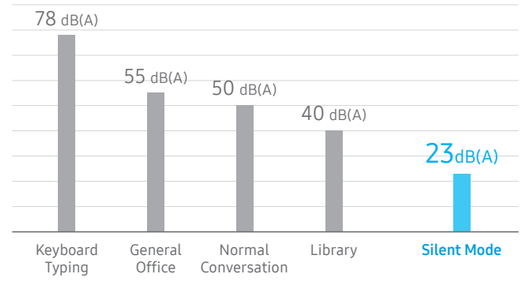


Quiet, powerful, and efficient cooling

Silent Mode

Reduce noise without sacrificing comfort or performance. Choose from four operating modes—High, Medium, Low, and Silent—to optimize heating and cooling for a variety of applications.

In Silent mode, the unit operates at a lower fan speed to deliver comfortable airflow with a noise level of just 23 dB(A)*, making it nearly as quiet as a whisper. By minimizing distractions, it helps create a more comfortable environment for work, study, or relaxation.



* Based on internal testing. Results may vary depending on individual use.

INDOOR UNIT

- Light Commercial
- Free Joint Multi



MPAH

Light Commercial
Standard

Model No.
IDU: AC0**DNZDCG/AA
ODU: AC0**DXADCG/AA

Available Capacities (Btu/h)
18,000 / 24,000 / 30,000 / 36,000 / 48,000

Light Commercial
Premium

Model No.
IDU: AC0**DNZDCG/AA
ODU: AC0**DXSCCG/AA

Available Capacities (Btu/h)
18,000 / 24,000 / 30,000 / 36,000 / 48,000

Free Joint Multi
Premium

Model No.
IDU: AC0**DNJDCG/AA
ODU: AJ0**DXS*CG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 15,000 / 18,000

Free Joint Multi
Standard

Model No.
IDU: AC0**DNJDCG/AA
ODU: AJ0**DXJ*CG/AA

Available Capacities (Btu/h)
9,000 / 12,000 / 15,000 / 18,000

Designed for flexibility, performance, and ease of service, the Samsung Multi-Position Air Handler (MPAH) adapts to a wide range of light commercial applications. Available in multiple capacities, it provides a versatile solution for projects requiring reliable heating and cooling performance, installation flexibility, and long-term serviceability.

Its multi-position design supports upflow, downflow, left-flow, and right-flow configurations, making installation easier in a variety of spaces. With external static pressure capabilities up to 1.0 in. WC, the MPAH delivers consistent heating and cooling performance across longer duct runs and more demanding applications. Advanced commissioning features, optional accessories, and SmartThings connectivity further simplify installation, operation, and maintenance.

Main Features

Installation
Flexible Installation
Increased Static Pressure

Flexibility
Mulitple Capacities

Comfort
Indoor Air Quality
Supplmental Heat

Smart Control
SmartThings

Maintenance
Advanced Commissioning
Worry-Free Service Access

MAIN FEATURES

Residential & Light Commercial Tech Catalog

Light Commercial & FJM | Multi-Position Air Handler (MPAH)

Install where you need it

Flexible Installation
The Multi-Position Air Handler (MPAH) supports upflow, downflow, left-flow, and right-flow configurations, providing installation flexibility to fit into a variety of spaces and building layouts, making it easier to accommodate different installation requirements.

More capacities, more flexibility

Available in Multiple Capacities
The MPAH is available in a range of capacities, making it easy to match system requirements across a variety of light commercial applications.

Supports longer duct runs

Increased Static Pressure
With external static pressure capabilities up to 1.0 in. WC, the MPAH supports longer duct runs and helps deliver consistent heating and cooling performance across varying installation requirements.

Additional heating when needed

Supplemental Heat
An optional supplemental electric heat kit is available when additional heating capacity is required.

Support a cleaner indoor environment

Improves Indoor Air Quality
Optional 1-inch and 2-inch accessory filter kits are available for upflow applications to help support improved indoor air quality. The unit can also be configured for downflow applications using an accessory Downflow Conversion Kit (sold separately).

Control from virtually anywhere

SmartThings
With SmartThings compatibility, users can monitor and control the system remotely from virtually anywhere using a smartphone or connected device.*

Simplified startup and service

Advanced Commissioning and Service
The MPAH features a removable EEPROM chip on the main circuit board that stores unit option settings, serial number, unit tag, and other field-programmed data. This simplifies startup, commissioning, product registration, and future service when used with Samsung service software (S-Net Pro2).

Designed for easier maintenance

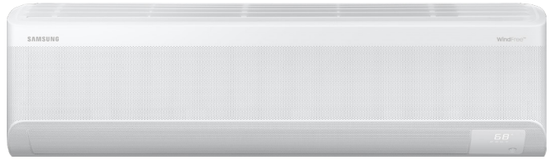
Worry-free Service Access
Designed for long-term serviceability, the MPAH helps simplify maintenance and service procedures, reducing time spent on startup, troubleshooting, and future repairs.

Available for download on the Google™ Play store and App Store®. A network connection is required. A Samsung application account is necessary. The Wi-Fi Adapter is built-in as a standard feature and connects to SmartThings.

INDOOR UNIT

- Light Commercial

Light Commercial | Wall Mount



Wall Mount

Premium*

Model No.
IDU: AC0**DNADCG/AA
ODU: AC0**DXSCCG/AA

Available Capacities (Btu/h)
18,000 / 24,000

-40 Cooling Only*

Model No.
IDU: AC0**DNADCG/AA
ODU: AC0**DXSCCF/AA

Available Capacity (Btu/h)
18,000 / 24,000



Premium

Model No.
IDU: AC0**DNTDCG/AA
ODU: AC0**DXSCCG/AA

Available Capacities (Btu/h)
30,000 / 36,000

-40 Cooling Only

Model No.
IDU: AC0**DNTDCG/AA
ODU: AC0**DXSCCF/AA

Available Capacity (Btu/h)
30,000 / 36,000

Samsung Light Commercial wall-mounted air conditioners deliver reliable comfort, energy efficiency, and flexible performance for a wide range of business environments. Available in 18K and 24K BTU WindFree™ models and 30K and 36K BTU non-WindFree™ models, they provide a solution tailored to both smaller and larger spaces.

Each indoor unit can be paired with either a Premium outdoor unit for year-round comfort or a -40°F Cooling Only outdoor unit for specialized applications requiring dependable cooling in extremely low ambient conditions. Whether minimizing the sensation of direct cold drafts with WindFree™ Cooling or delivering reliable cooling in server rooms, telecommunications rooms, and other critical environments, Samsung wall-mounted systems combine advanced technologies with simplified installation, maintenance, and everyday operation.

*This indoor unit is equipped with the WindFree™ feature.

INDOOR UNIT

- Free Joint Multi

Free Joint Multi (FJM) | Wall Mount





WindFree™ Premium and Standard share the same indoor unit design.

WindFree™ Cooling

WindFree™ IAQ

Premium Outdoor Unit

Model No.
IDU: AR**DXKAPWKNCV
ODU: AJ0**DXS*CG/AA

Available Capacities (Btu/h)
7,000 / 9,000 / 12,000 / 15,000 / 18,000 / 24,000

Standard Outdoor Unit

Model No.
IDU: AR**DXKAPWKNCV
ODU: AJ0**DXJ*CG/AA

Available Capacities (Btu/h)
7,000 / 9,000 / 12,000 / 15,000 / 18,000 / 24,000

WindFree™ Premium and Standard

WindFree™ Premium
Premium Outdoor Unit

Model No.
IDU: AR**DXDAFWKNCV
ODU: AJ0**DXS*CG/AA

Available Capacities (Btu/h)
7,000 / 9,000 / 12,000 / 15,000 / 18,000 / 24,000

WindFree™ Premium
Standard Outdoor Unit

Model No.
IDU: AR**DXDAFWKNCV
ODU: AJ0**DXJ*CG/AA

Available Capacity (Btu/h)
7,000 / 9,000 / 12,000 / 15,000 / 18,000 / 24,000

WindFree™ Standard
Premium Outdoor Unit

Model No.
IDU: AC0**DNADCG/AA
ODU: AJ0**DXS*CG/AA

Available Capacities (Btu/h)
7,000 / 9,000 / 12,000 / 15,000 / 18,000 / 24,000

WindFree™ Standard
Standard Outdoor Unit

Model No.
IDU: AC0**DNADCG/AA
ODU: AJ0**DXJ*CG/AA

Available Capacity (Btu/h)
7,000 / 9,000 / 12,000 / 15,000 / 18,000 / 24,000

Samsung Free Joint Multi (FJM) WindFree™ wall-mounted indoor units deliver reliable comfort, energy efficiency, and flexible performance for residential and light commercial applications. Available in Premium, IAQ, and Standard, these indoor units can be matched with Samsung Free Joint Multi outdoor units in Premium or Standard configurations, offering a versatile solution for a wide range of spaces.

Designed for use with Samsung Free Joint Multi outdoor units, these wall-mounted systems allow up to five indoor units to be connected to a single outdoor unit, helping provide individualized comfort in multiple rooms while reducing outdoor equipment. Whether minimizing the sensation of direct cold drafts with WindFree™ Cooling or delivering efficient, year-round heating and cooling, Samsung FJM wall-mounted systems combine advanced technology with simplified operation and maintenance.

COMFORT

Light Commercial & FJM | Wall Mount - WindFree™ Models

Light Commercial Wall Mount
WindFree™ Premium & WindFree™ -40 Cooling Only

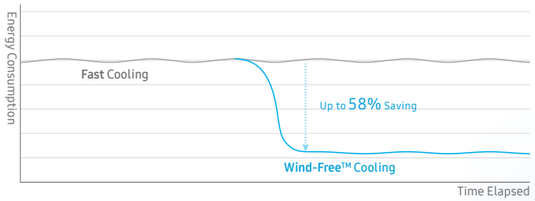
Free Joint Multi Wall Mount
WindFree™ Premium, WindFree™ Standard, & WindFree™ IAQ

Stays cool without feeling cold

WindFree™ Cooling

Enjoy a comfortably cool indoor environment with Wind-Free™ Cooling. By gently dispersing air through 23,000 micro air holes, it cools quietly without the unpleasant sensation of direct cold drafts. This creates a "Still Air" environment* with a very low air speed and reduced noise**.

Its advanced airflow design also delivers more even cooling across a wider area while consuming up to 58% less energy than Normal Cooling mode***, helping reduce energy costs without compromising comfort.

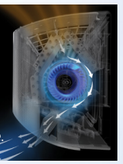




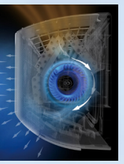
23,000
Micro Air Holes



Normal Cooling Mode
Cool air is blown out with a high air speed of around 9.8ft/s to cool down the space faster in Normal cooling mode.



WindFree™ Mode
Gently and quietly disperses air through 23,000 micro air holes, so there is no unpleasant feeling of cold wind on your skin.



Faster cooling, greater comfort

Fast Cooling

Cool rooms quickly and evenly for lasting comfort throughout the space. Digital Inverter Boost technology rapidly brings the compressor to maximum operating speed, delivering cooling up to 43% faster*.

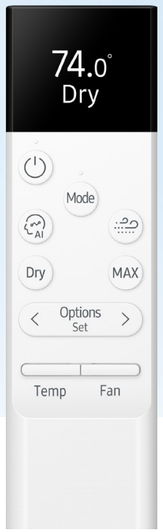
Its advanced design also features a 15% larger fan, an 18% wider air inlet, and a 31% wider blade, helping distribute cool air farther and more evenly throughout the room. Airflow reaches up to 49 feet and 3 inches (15 m)**, providing fast, consistent cooling from corner to corner.



Stay dry and comfortable in humid conditions

WindFree™ Dry Mode

Even in humid conditions, WindFree™ Dry mode helps maintain a comfortably dry indoor environment. When this mode is selected using the remote controller, the built-in Humidity Sensor continuously monitors room humidity and effectively removes excess moisture without creating additional noise or the sensation of a cold draft. The result is a more comfortable indoor environment with quiet, unobtrusive operation.

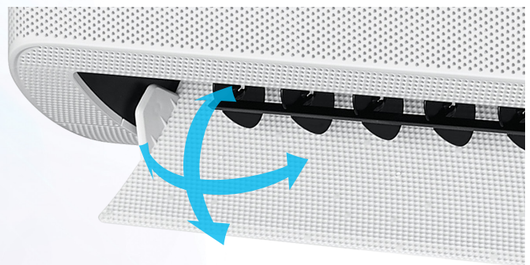


Direct airflow where you need it

4-Way Swing

Create a more comfortable indoor environment with even air distribution throughout the room. The WindFree™ air conditioner features a 4-Way Swing*** function that allows you to direct airflow toward a specific area or automatically distribute air in multiple directions.

With both automatic up-and-down and left-and-right swing functions, air is circulated more evenly throughout the space for consistent comfort from corner to corner.



* 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.
** Tested on the AM036TNVDKH/EU model. Wind-FreeTM Cooling mode only generates 26dB(A) of noise.
*** Tested on AM080JXVHEH/ET, AM015TNVDKH/EU, AM036TNVDKH/EU, AM045TNVDKH/EU and AM082TNVDKH/EU models, based on the power consumption of normal mode vs. Wind-Free™ Cooling mode.

* Tested on the AR12TXCAAWKEU model compared with the Samsung conventional model AQ12EASER.
** Tested on the AR24TXFCAWKNEU model.
*** Available as an option on certain models.

Easy to clean filter

Easy Filter Plus

Keep your air conditioner operating efficiently with minimal maintenance. The Easy Filter Plus features a dense mesh design that helps capture dust and airborne particles before they reach the heat exchanger, helping keep internal components cleaner and supporting reliable, long-term performance.

Designed for convenient routine maintenance, the filter can be easily removed, cleaned, and reinstalled, reducing the time and effort required for regular upkeep. By helping maintain proper airflow and a cleaner heat exchanger, the Easy Filter Plus contributes to consistent cooling performance and improved operating efficiency.*

Quickly and easy installation and servicing

Snap-fit Design & a Roller Type Bracket

The WindFree™ air conditioner is designed for faster, easier installation and servicing. Its snap-fit bottom cover opens and closes without screws, providing convenient access for maintenance.

Unlike conventional mounting systems that require the unit to be aligned with fixed hooks, it features a roller-type bracket that simplifies installation. Simply mount the bracket to the wall, hang the air conditioner, and smoothly slide it into the desired position for a precise fit.

Snap-fit Design



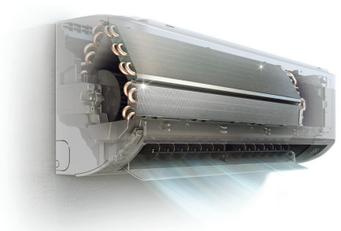
Roller Type Bracket



Stay clean with less moisture

Auto Clean

When an air conditioner is turned off after operating in cooling mode, the difference between indoor and outdoor temperatures can cause moisture to condense on the heat exchanger. Over time, this moisture can create conditions that promote mold growth and lead to unpleasant odors. To help prevent this, the Samsung WindFree™ air conditioner features a humidity sensor and an Auto Clean function**. After operation, it automatically dries the heat exchanger using one of three drying methods, selecting the optimal process based on current temperature and humidity conditions. This helps prevent the buildup of bacteria and odors, keeping the unit cleaner and fresher.





* Tested in a Korea test lab. Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use.
** This feature is available only for -40 Cooling Only systems.

Remote control - anytime, anywhere

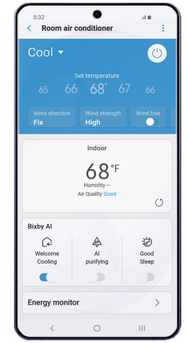
SmartThings

Control your home's temperature anytime, from anywhere. With the SmartThings App*, you can turn your air conditioner on or off, adjust the operating mode, and set the temperature directly from your smartphone. You can also create schedules to automatically start and stop your system based on your routine.

Whether you're at home or away, SmartThings gives you peace of mind by helping ensure your space stays comfortable while reducing unnecessary energy use. Enjoy efficient cooling and the confidence that your air conditioner isn't running when it's not needed.

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

SmartThings



Always know the room temperature

LED Temperature Display

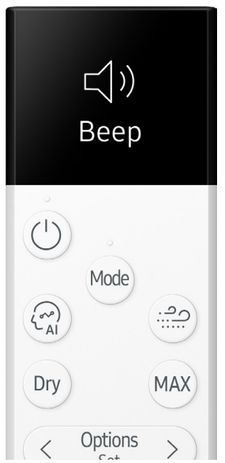
A large numeric display and clear, intuitive icons make it easy to view the room temperature and quickly check the status of your air conditioner—even from a distance.



Silent control for peace and quiet

Beep Off

When using the remote control, the air conditioner typically responds with a beep to confirm that it has received your command. If you prefer a quieter environment, simply activate the Beep Off function to mute the sound and enjoy a more peaceful atmosphere.

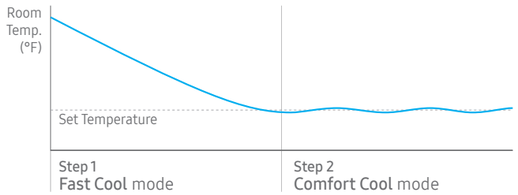


Comfortable and cool at all times

2-Step Cooling

The 2-Step Cooling mode quickly lowers the room temperature using the powerful Fast Cool mode. Once the desired temperature is reached, it automatically switches to Comfort Cool mode to maintain consistent comfort.

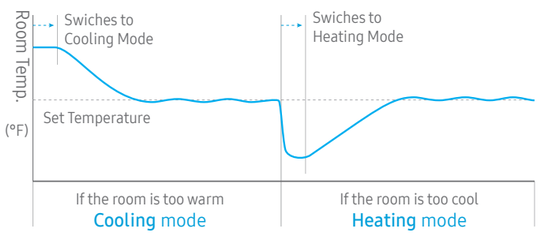
This intelligent operation helps prevent overcooling while reducing the need to manually adjust settings or repeatedly turn the air conditioner on and off.



Maintains the ideal temperature

Auto Changeover

The Auto Change Over function automatically selects the appropriate operating mode—cooling or heating—to maintain the temperature set in Auto mode. This intelligent operation helps keep the indoor environment consistently comfortable without the need to manually switch between operating modes.



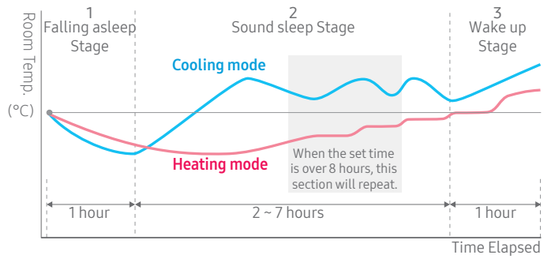
Light Commercial Wall Mount
Premium & -40 Cooling Only



Sleep well while saving energy

Good Sleep Mode

The Good Sleep mode creates an ideal sleeping environment by automatically adjusting temperature and humidity throughout the night. It helps maintain comfort during the falling asleep, deep sleep, and wake-up stages, allowing you to fall asleep more quickly, sleep more comfortably, and wake up feeling refreshed and ready for the day.



Cool down fast and comfortably

Fast Cooling Mode

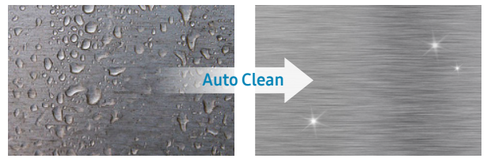
Fast Cooling Mode quickly lowers the room temperature by operating the compressor at maximum capacity with the highest fan speed for up to 30 minutes. It provides rapid cooling, helping you feel comfortable sooner after coming in from the heat.

Stay clean and fresh

Auto Clean

When an air conditioner is turned off, the difference between indoor and outdoor temperatures can cause moisture to condense on the heat exchanger. The Auto Clean function automatically operates the fan to remove residual moisture and dust, helping keep the heat exchanger clean and dry while reducing the potential for mold, mildew, and odor buildup.

To maximize effectiveness, Auto Clean runs for 30 minutes after cooling or dehumidification operation, when more moisture is present, and for 15 minutes after heating or fan operation.



Damp surface with condensed water after cooling operation

Dried surface humidified by the Auto Clean function

Built for reliable performance

Triple Protector Plus

Triple Protector Plus helps protect the compressor and controller from power surges and fluctuating electrical currents without requiring a separate voltage stabilizer*. It also features an anti-corrosion coating that helps protect the condenser from corrosion and the cabinet from rust.

In addition, the reinforced cabinet is built with thicker steel to withstand harsh operating conditions, helping ensure long-lasting, reliable performance.



Power Surge Protection



Electric Current Stabilization



Anti-corrosion Coating

* Tested on AR09MSFHBWK compared with Samsung conventional model AR09HPSDFAP/RC.

Light Commercial | Outdoor Unit Lineup

Standard

	AC018DXADCG/AA AC024DXADCG/AA	AC030DXADCG/AA	AC036DXADCG/AA	AC048DXADCG/AA
				
18,000 Btu/h	●	-	-	-
24,000 Btu/h	-	●	-	-
30,000 Btu/h	-	-	●	-
36,000 Btu/h	-	-	●	-
48,000 Btu/h	-	-	-	●

Premium

	AC018DXSCCG/AA AC024DXSCCG/AA	AC030DXSCCG/AA	AC036DXSCCG/AA	AC048DXSCCG/AA
18,000 Btu/h	-	●	-	-
24,000 Btu/h	-	-	●	-
30,000 Btu/h	-	-	-	●
36,000 Btu/h	-	-	-	●
48,000 Btu/h	-	-	-	●

-40 Cooling Only

	AC018DXSCCF/AA	AC024DXSCCF/AA	AC030DXSCCF/AA	AC036DXSCCF/AA
18,000 Btu/h	●	-	-	-
24,000 Btu/h	-	●	-	-
30,000 Btu/h	-	-	●	-
36,000 Btu/h	-	-	●	-
48,000 Btu/h	-	-	-	●

PRODUCT LINEUP

Light Commercial | Indoor Unit Lineup

	4-Way Cassette AC0**DN4DCG/AA			Mini 4-Way Cassette AC0**DNNDCG/AA
				
	Premium	-40 Cooling Only	Standard	Premium
9,000 Btu/h	-	-	-	●
12,000 Btu/h	-	-	-	●
18,000 Btu/h	●	●	●	●
24,000 Btu/h	●	●	●	-
30,000 Btu/h	●	●	●	-
36,000 Btu/h	●	●	●	-
48,000 Btu/h	●	-	●	-

	360 Cassette AC0**DN6DCG/AA	1-Way Cassette AC0**DN1DCG/AA	Console AC0**DNJDCG/AA
			
	Premium	Premium	Premium
9,000 Btu/h	-	●	●
12,000 Btu/h	-	●	●
18,000 Btu/h	●	●	●
24,000 Btu/h	●	-	-
30,000 Btu/h	●	-	-
36,000 Btu/h	●	-	-
48,000 Btu/h	●	-	-

Light Commercial | Indoor Unit Lineup

	Duct S AC0**DN4DCG/AA			Slim Duct AC0**DNLDCG/AA
				
	Standard	Premium	-40 Cooling Only	Premium
9,000 Btu/h	-	●	-	●
12,000 Btu/h	-	●	-	●
18,000 Btu/h	●	●	●	●
24,000 Btu/h	●	●	●	-
30,000 Btu/h	●	●	●	-
36,000 Btu/h	●	●	●	-
48,000 Btu/h	●	●	-	-

	Wall Mount AC0**DNADCG/AA	Wall Mount AC0**DNTDCG/AA	Wall Mount AC0**DNADCG/AA	Wall Mount AC0**DNTDCG/AA
				
	WindFree™ Premium	Premium	WindFree™ -40 Cooling Only	-40 Cooling Only
18,000 Btu/h	●	-	●	●
24,000 Btu/h	●	-	●	●
30,000 Btu/h	-	●	-	-
36,000 Btu/h	-	●	-	-

PRODUCT LINEUP

Light Commercial | Indoor Unit Lineup

	MPAH AC0**DNZDCG/AA	
		
	Premium	Standard
9,000 Btu/h	-	-
12,000 Btu/h	-	-
18,000 Btu/h	●	●
24,000 Btu/h	●	●
30,000 Btu/h	●	●
36,000 Btu/h	●	●
48,000 Btu/h	●	●

Free Joint Multi | Outdoor & Indoor Unit Lineup

	AJ020DXJ2CG/AA AJ024DXJ3CG/AA	AJ036DXJ4CG/AA	AJ048DXJ4CG/AA
			
Standard			
20,000 Btu/h	●	-	-
24,000 Btu/h	●	-	-
36,000 Btu/h	-	●	-
48,000 Btu/h	-	-	●
Premium			AJ0**DXS*CG/AA
20,000 Btu/h	-	-	●
24,000 Btu/h	-	-	●
30,000 Btu/h	-	-	●
36,000 Btu/h	-	-	●

	Mini 4-Way Cassette AC0**DNNDCG/AA	1-Way Cassette AC0**DN1DCG/AA	Console AC0**DNJDCG/AA
			
	WindFree™	WindFree™	
9,000 Btu/h	●	●	●
12,000 Btu/h	●	●	●
15,000 Btu/h	-	-	●
18,000 Btu/h	●	-	●

Free Joint Multi | Indoor Unit Lineup

	Wall Mount - Premium AR**DXDAFWKNCV	Wall Mount - Standard AR**DXFAMWKNCV	Wall Mount - IAQ AR**DXKAPWKNCV
			
	WindFree™	WindFree™	WindFree™
7,000 Btu/h	●	●	●
9,000 Btu/h	●	●	●
12,000 Btu/h	●	●	●
15,000 Btu/h	●	●	●
18,000 Btu/h	●	●	●
24,000 Btu/h	●	●	●

Available with or without refrigerant leak detection

	Slim Duct AC0**DNLDCG/AA	Duct S AC0**DNHDCG/AA	MPAH AJ0**DNZDCG/AA
			
9,000 Btu/h	●	●	-
12,000 Btu/h	●	●	●
15,000 Btu/h	-	●	-
18,000 Btu/h	●	●	●
24,000 Btu/h	-	-	●

SPECIFICATIONS

Light Commercial | Indoor Specifications



4-Way Cassette / Standard

WindFree™

Model	Indoor Unit Model Number (US Code)		AC018DN4DCG/AA (CNG184DD)	AC024DN4DCG/AA (CNG244DD)
	Outdoor Unit Model Number (US Code)		AC018DXADCG/AA (CXG18ADD)	AC024DXADCG/AA (CXG24ADD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	18,000 / 20,000	24,000 / 27,000
	Capacity Range	Cooling (Btu/h)	4,800 - 22,000	7,000 - 30,000
		Heating (Btu/h)	4,500 - 30,000	6,200 - 38,000
	AHRI 210-240 2023	SEER2	23.80	21.60
		EER2	13.00	12.00
		HSPF2 (region IV)	9.30	9.60
		5°F COP	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	1.3 / 6.1 / 7.7	1.8 / 8.9 / 12.3
		Heating (A)	1.3 / 6.5 / 20.7	1.5 / 10.7 / 18.9
	Max. Breaker	Amps	25.0	25.0
	Min. Circuit Ampacity	Amps	22.3	22.3
Dimensions	W X H X D (in.)	Indoor Unit	33 1/8 X 9 11/16 X 33 1/8	33 1/8 X 9 11/16 X 33 1/8
		Outdoor Unit	34 5/8 X 25 1/8 X 12 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	36.40	36.40
		Outdoor Unit	91.50	116.84
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	30 / 33 / 36	30 / 33 / 36
	Outdoor Unit dB(A)	Cooling / Heating (high)	48 / 48	50 / 52
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle
		Heating	-4 - 75°F (-20 - 24°C)	-4 - 75°F (-20 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	1/2	5/8
	Maximum (ft.)		164	164
	Maximum Vertical Separation (ft.)		98	98
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge	oz.	45.9 / 82.4	60 / 82.4
	Charged for		24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	14.4	14.4
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)
	Output	Watts	65	65
Airflow	Air Volume (L/M/H)	Cooling (CFM)	636 / 742 / 848	636 / 742 / 848
		Heating (CFM)	636 / 742 / 848	636 / 742 / 848
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.25A X 1 / 125W X 1 / 1,766	1.2A X 1 / 125W X 1 / 2,154
Fascia Panel	L X W X H	In.	37 3/8 X 37 3/8 X 7/8	37 3/8 X 37 3/8 X 7/8
	Weight	lbs.	13.9	13.9
Corrosion Prevention	**IS0-9227**-The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.			IS0-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS

Light Commercial | Indoor Specifications

AC030DN4DCG/AA (CNG304DD)	AC036DN4DCG/AA (CNG364DD)	AC048DN4DCG/AA (CNG484DD)
AC030DXADCG/AA (CXG30ADD)	AC036DXADCG/AA (CXG36ADD)	AC048DXADCG/AA (CXG48ADD)
30,000 / 34,000	36,000 / 40,000	48,000 / 54,000
10,000 - 37,000	11,000 - 43,000	13,500 - 54,000
7,700 - 48,000	12,500 - 52,000	15,000 - 65,000
21.70	19.50	18.50
12.00	11.00	9.00
9.50	9.20	9.00
1.80	1.80	1.80
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
2.9 / 11.2 / 14.1	4.0 / 14.6 / 21.3	4.9 / 23.8 / 26.4
2.0 / 12.0 / 22.9	2.8 / 13.8 / 24.0	3.6 / 22.1 / 31.9
30.0	30.0	40.0
26.7	27.6	36.1
33 1/8 X 11 5/16 X 33 1/8	33 1/8 X 11 5/16 X 33 1/8	33 1/8 X 11 5/16 X 33 1/8
37 X 39 5/16 X 13	37 X 39 5/16 X 13	37 X 47 5/8 X 13
48.50	48.50	48.50
156.50	168.70	190.70
31 / 35 / 39	32 / 38 / 43	35 / 40 / 45
50 / 52	52 / 54	56 / 58
23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle
-4 - 75°F (-20 - 24°C)	-4 - 75°F (-20 - 24°C)	-4 - 75°F (-20 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
3/8	3/8	3/8
5/8	5/8	5/8
164	164	246
98	98	98
1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
R-32	R-32	R-32
Not Included	Not Included	Not Included
95.2 / 140.96	95.2 / 140.96	102.3 / 173.76
24.6 ft.	24.6 ft.	24.6 ft.
0.323	0.323	0.323
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
17.6	17.6	23.0
BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)
97	97	97
671 / 876 / 1,084	671 / 911 / 1,208	749 / 996 / 1,289
671 / 876 / 1,084	671 / 911 / 1,208	749 / 996 / 1,289
BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)
1.2A X 1 / 125W X 1 / 2,684	1.2A X 1 / 125W X 2 / 2,684	1.2A X 2 / 125W X 2 / 3,532
37 3/8 X 37 3/8 X 7/8	37 3/8 X 37 3/8 X 7/8	37 3/8 X 37 3/8 X 7/8
13.9	13.9	13.9
IS0-9227	IS0-9227	IS0-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS

Light Commercial | Indoor Specifications



4-Way Cassette / Premium

WindFree™

Model	Indoor Unit Model Number (US Code)		AC018DN4DCG/AA (CNG184DD)	**AC024DN4DCG/AA (CNG244DD)**
	Outdoor Unit Model Number (US Code)		AC018DXSCCG/AA (CXG18SCD)	**AC024DXSCCG/AA (CXG24SCD)**
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	18,000 / 20,000	24,000 / 27,000
	Capacity Range	Cooling (Btu/h)	6,000 - 26,000	8,000 - 32,000
		Heating (Btu/h)	5,500 - 31,000	7,000 - 40,000
	AHRI 210-240 2023	SEER2	23.80	22.00
		EER2	14.50	13.00
		HSPF2 (region IV)	9.60	10.20
		5°F COP	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	3.2 / 5.7 / 10.8	2.3 / 8.5 / 14.0
		Heating (A)	1.9 / 6.2 / 20.0	2.2 / 10.1 / 23.6
	Max. Breaker	Amps	25.0	30.0
	Min. Circuit Ampacity	Amps	22.7	26.7
Dimensions	W X H X D (in.)	Indoor Unit	33 1/8 X 9 11/16 X 33 1/8	33 1/8 X 9 11/16 X 33 1/8
		Outdoor Unit	34 5/8 X 31 3/8 X 12 3/16	37 X 39 5/16 X 13
	Weight (lbs.)	Indoor Unit	36.40	36.40
		Outdoor Unit	116.84	155.40
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	30 / 33 / 36	30 / 33 / 36
	Outdoor Unit dB(A)	Cooling / Heating (high)	58 / 58	50 / 52
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	1/2	5/8
	Maximum (ft.)		164	164
	Maximum Vertical Separation (ft.)		98	98
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge/Max Charge	oz.	60 / 82.4	81.1 / 103.5
	Charged for		24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	14.1	17.3
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)
	Output	Watts	65	65
Airflow	Air Volume (L/M/H)	Cooling (CFM)	636 / 742 / 848	636 / 742 / 848
		Heating (CFM)	636 / 742 / 848	636 / 742 / 848
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.2A X 1 / 125W X 1 / 2,154	1.2A X 1 / 125W X 1 / 2,684
Fascia Panel	L X W X H	In.	37 3/8 X 37 3/8 X 7/8	37 3/8 X 37 3/8 X 7/8
	Weight	lbs.	13.9	13.9
Corrosion Prevention	IS0-9227 - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.			IS0-9227
Safety	Certifications	UL 60335-2-40		UL 60335-2-40

SPECIFICATIONS

Light Commercial | Indoor Specifications

AC030DN4DCG/AA (CNG304DD)	**AC036DN4DCG/AA (CNG364DD)**	**AC048DN4DCG/AA (CNG484DD)**
AC030DXSCCG/AA (CXG30SCD)	**AC036DXSCCG/AA (CXG36SCD)**	**AC048DXSCCG/AA (CXG48SCD)**
30,000 / 34,000	36,000 / 40,000	48,000 / 54,000
13,500 - 41,000	14,000 - 50,000	14,500 - 58,000
10,500 - 55,000	11,000 - 62,000	13,000 - 71,000
22.80	22.00	20.00
14.40	13.50	12.20
10.70	10.60	10.40
1.80	1.80	1.80
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
4.1 / 9.3 / 14.1	4.4 / 11.9 / 17.6	4.7 / 17.6 / 22.0
2.7 / 10.6 / 25.5	2.9 / 13.1 / 29.9	3.5 / 19.6 / 32.0
40.0	40.0	40.0
35.0	35.8	36.2
33 1/8 X 11 5/16 X 33 1/8	33 1/8 X 11 5/16 X 33 1/8	33 1/8 X 11 5/16 X 33 1/8
37 X 55 7/8 X 13	37 X 55 7/8 X 13	37 X 55 7/8 X 13
48.50	48.50	48.50
211.60	211.60	211.60
31 / 35 / 39	32 / 38 / 43	35 / 40 / 45
49 / 61	50 / 52	51 / 53
23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
3/8	3/8	3/8
5/8	5/8	5/8
246	246	246
98	98	98
1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
R-32	R-32	R-32
Not Included	Not Included	Not Included
123.5 / 195.04	123.5 / 195.04	123.5 / 195.04
24.6 ft.	24.6 ft.	24.6 ft.
0.323	0.323	0.323
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
22.6	22.6	22.4
BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)
97	97	97
671 / 876 / 1,084	671 / 911 / 1,208	749 / 996 / 1,289
671 / 876 / 1,084	671 / 911 / 1,208	749 / 996 / 1,289
BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)
1.2A X 2 / 125W X 2 / 4,415	1.2A X 2 / 125W X 2 / 4,415	1.2A X 2 / 125W X 2 / 4,415
37 3/8 X 37 3/8 X 7/8	37 3/8 X 37 3/8 X 7/8	37 3/8 X 37 3/8 X 7/8
13.9	13.9	13.9
IS0-9227	IS0-9227	IS0-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS

Light Commercial | Indoor Specifications



4-Way Cassette /-40 Cool Only

WindFree™

Model	Indoor Unit Model Number (US Code)		AC018DN4DCG/AA (CNG184DD)	AC024DN4DCG/AA (CNG244DD)
	Outdoor Unit Model Number (US Code)		AC018DXSCCF/AA (CXF18SCD)	AC024DXSCCF/AA (CXF24SCD)
Performance	Nominal Capacity	Cooling (Btu/h)	18,000	24,000
	Capacity Range	Cooling (Btu/h)	4,000 - 22,000	6,000 - 30,000
	AHRI 210-240 2023	SEER2	23.00	22.00
		EER2	12.50	12.20
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (A)	Min. / Standard / Max.	1.3 / 6.4 / 9.7	1.6 / 8.7 / 16.3
	Max. Breaker	Amps	15.0	25.0
	Min. Circuit Ampacity	Amps	13.7	21.3
Dimensions	W X H X D (in.)	Indoor Unit	33 1/8 X 9 11/16 X 33 1/8	33 1/8 X 9 11/16 X 33 1/8
		Outdoor Unit	34 5/8 X 25 1/8 X 12 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	36.40	36.40
		Outdoor Unit	88.20	101.40
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	30 / 33 / 36	30 / 33 / 36
	Outdoor Unit dB(A)	High	48	50
Operating Temperatures	Outdoor		23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			-40 - 122°F (-40 - 50°C) W/Baffle	-40 - 122°F (-40 - 50°C) W/Baffle
	Indoor		64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	1/2	5/8
	Maximum (ft.)		98	164
	Maximum Vertical Separation (ft.)		66	98
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge	oz.	45.9	60.0
	Charged for		24.6 ft.	24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	8.2	14.6
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)
	Output	Watts	65	65
Airflow	Air Volume	CFM (L/M/H)	636 / 742 / 848	636 / 742 / 848
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.2A X 1 / 125W X 1 / 1,766	1.2A X 1 / 125W X 1 / 2,154
Fascia Panel	L X W X H	In.	37 3/8 X 37 3/8 X 7/8	37 3/8 X 37 3/8 X 7/8
	Weight	lbs.	13.9	13.9
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing

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AC030DN4DCG/AA (CNG304DD)	AC036DN4DCG/AA (CNG364DD)
AC030DXSCCF/AA (CXF30SCD)	AC036DXSCCF/AA (CXF36SCD)
30,000	36,000
10,000 - 38,000	13,000 - 44,000
21.70	19.70
12.00	10.30
1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253
3.2 / 11.2 / 20.3	4.0 / 15.6 / 21.3
30.0	30.0
27.0	27.0
33 1/8 X 11 5/16 X 33 1/8	33 1/8 X 11 5/16 X 33 1/8
37 X 39 5/16 X 13	37 X 39 5/16 X 13
48.50	48.50
156.50	156.50
31 / 35 / 39	32 / 38 / 43
52	54
23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
-40 - 122°F (-40 - 50°C) W/Baffle	-40 - 122°F (-40 - 50°C) W/Baffle
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
3/8	3/8
5/8	5/8
164	164
98	98
1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
R-32	R-32
Not Included	Not Included
95.2	95.2
24.6 ft.	24.6 ft.
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
17.7	17.7
BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)
97	97
671 / 876 / 1,084	671 / 911 / 1,208
BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
1.2A X 1 / 125W X 1 / 2,684	1.2A X 1 / 125W X 1 / 2,684
37 3/8 X 37 3/8 X 7/8	37 3/8 X 37 3/8 X 7/8
13.9	13.9
ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing

SPECIFICATIONS

Light Commercial | Indoor Specifications



Mini 4-Way Cassette/Premium

WindFree™

Model	Indoor Unit Model Number (US Code)		AC009DNNDCG/AA (CNG09NDD)	AC012DNNDCG/AA (CNG12NDD)	AC018DNNDCG/AA (CNG18NDD)
	Outdoor Unit Model Number (US Code)		AC009DXSCCG/AA (CXG09SCD)	AC012DXSCCG/AA (CXG12SCD)	AC018DXSCCG/AA (CXG18SCD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	9,000 / 10,000	12,000 / 14,000	17,000 / 20,000
	Capacity Range	Cooling (Btu/h)	3,400 - 14,200	3,500 - 15,000	5,500 - 21,000
		Heating (Btu/h)	2,900 - 15,200	3,000 - 16,000	3,300 - 23,500
	AHRI 210-240 2023	SEER2	22.00	22.00	20.50
		EER2	14.00	12.60	12.50
		HSPF2 (region IV)	10.60	10.40	9.50
		5°F COP	1.80	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	1.3 / 3.1 / 6.5	1.3 / 4.4 / 6.6	2.3 / 6.2 / 10.4
		Heating (A)	1.1 / 3.4 / 7.9	1.1 / 4.7 / 8	1.8 / 8.4 / 16
	Max. Breaker	Amps	15.0	15.0	25.0
	Min. Circuit Ampacity	Amps	13.9	13.9	22.7
Dimensions	W X H X D (in.)	Indoor Unit	22 5/8 X 9 13/16 X 22 5/8	22 5/8 X 9 13/16 X 22 5/8	22 5/8 X 9 13/16 X 22 5/8
		Outdoor Unit	31 1/8 X 21 5/8 X 11 3/16	31 1/8 X 21 5/8 X 11 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	25.40	25.40	25.40
		Outdoor Unit	69.40	67.20	116.84
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	25 / 28 / 31	25 / 30 / 34	29 / 34 / 39
	Outdoor Unit dB(A)	Cooling / Heating (high)	46 / 47	54 / 54	51 / 51
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4	1/4
		Low side (In.)	3/8	3/8	1/2
	Maximum (ft.)		66	66	164
	Maximum Vertical Separation (ft.)		49	49	98
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Refrigerant	Type		R-32	R-32	R-32
	A2L Leak Detection		Integral	Integral	Integral
	Factory Charge/Max Charge	oz.	31.7 / 38.4	31.7 / 38.4	60 / 82.4
	Charged for		24.6 ft.	24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	8.4	8.4	14.1
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)
	Output	Watts	65	65	65
Airflow	Air Volume (L/M/H)	Cooling (CFM)	212 / 247 / 283	226 / 283 / 325	300 / 336 / 371
		Heating (CFM)	212 / 247 / 283	226 / 283 / 325	300 / 336 / 371
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		0.42A X 1 / 45W X 1 / 1,060	0.42A X 1 / 40W X 1 / 1,060	1.2A X 1 / 125W X 1 / 2,154
Fascia Panel	L X W X H	In.	24 3/8 X 24 3/8 X 2 3/8	24 3/8 X 24 3/8 X 2 3/8	24 3/8 X 24 3/8 X 2 3/8
	Weight	lbs.	6.0	6.0	6.0
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

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1-Way Cassette/Premium

WindFree™

Model	Indoor Unit Model Number (US Code)		AC009DN1DCG/AA (CNG091DD)	AC012DN1DCG/AA (CNG121DD)	AC018DN1DCG/AA (CNG181DD)
	Outdoor Unit Model Number (US Code)		AC009DXSCCG/AA (CXG09SCD)	AC012DXSCCG/AA (CXG12SCD)	AC018DXSCCG/AA (CXG18SCD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	9,000 / 12,000	12,000 / 14,000	17,500 / 20,000
	Capacity Range	Cooling (Btu/h)	2,700 - 12,700	2,900 - 13,500	6,800 - 19,000
		Heating (Btu/h)	2,400 - 18,200	2,900 - 20,000	3,600 - 28,000
	AHRI 210-240 2023	SEER2	22.10	21.00	20.00
		EER2	13.80	12.00	12.00
		HSPF2 (region IV)	9.50	9.50	9.50
		5°F COP	1.80	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	1.1 / 3.1 / 5.8	1.1 / 4.6 / 6.1	2.4 / 6.7 / 11.3
		Heating (A)	1.1 / 5.2 / 9.5	1.1 / 6.3 / 10.0	2.0 / 8.4 / 20.0
	Max. Breaker	Amps	15.0	15.0	25.0
	Min. Circuit Ampacity	Amps	13.9	13.9	22.7
Dimensions	W X H X D (in.)	Indoor Unit	38 3/16 X 5 5/16 X 16 1/8	38 3/16 X 5 5/16 X 16 1/8	47 3/16 X 5 3/8 X 17 11/16
		Outdoor Unit	31 1/8 X 21 5/8 X 11 3/16	31 1/8 X 21 5/8 X 11 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	19.80	19.80	27.60
		Outdoor Unit	69.40	69.40	116.84
Sound Pressure Level	Indoor Unit dB(A)	L / M / H / Turbo	25 / 26 / 29 / 32	28 / 29 / 32 / 35	31 / 37 / 40 / 43
	Outdoor Unit dB(A)	Cooling / Heating (high)	46 / 47	47 / 48	51 / 51
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4	1/4
		Low side (In.)	3/8	3/8	1/2
	Maximum (ft.)		66	66	164
	Maximum Vertical Separation (ft.)		49	49	98
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Refrigerant	Type		R-32	R-32	R-32
	A2L Leak Detection		Integral	Integral	Not Included
	Factory Charge/Max Charge	oz.	31.7 / 38.4	31.7 / 38.4	60 / 82.4
	Charged for		24.6 ft.	24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	8.4	8.4	14.1
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	Output	Watts	27	27	65
Airflow	Air Volume (L/M/H)	Cooling (CFM)	205 / 230 / 258	254 / 290 / 318	400 / 470 / 560
		Heating (CFM)	205 / 230 / 258	254 / 290 / 318	430 / 500 / 590
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		0.42A X 1 / 45W X 1 / 1,060	0.42A X 1 / 45W X 1 / 1,060	1.2A X 1 / 125W X 1 / 2,154
Fascia Panel	L X W X H	In.	47 3/16 X 19 11/16 X 1 3/8	47 3/16 X 19 11/16 X 1 3/8	55 1/2 X 4.75 X 1 3/8
	Weight	lbs.	9.5	9.5	11.0
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9277	ISO-9277	ISO-9277
Safety	Certifications		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

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360 Cassette / Premium

Model	Indoor Unit Model Number (US Code)		AC018DN6DCG/AA (CNG186DD)	AC024DN6DCG/AA (CNG246DD)
	Outdoor Unit Model Number (US Code)		AC018DXSCCG/AA (CXG18SCD)	AC024DXSCCG/AA (CXG24SCD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	18,000 / 20,000	24,000 / 27,000
	Capacity Range	Cooling (Btu/h)	6,000 - 25,000	8,000 - 32,000
		Heating (Btu/h)	4,900 - 28,000	7,000 - 40,000
	AHRI 210-240 2023	SEER2	22.50	23.00
		EER2	13.50	13.50
		HSPF2 (region IV)	9.50	9.80
		5°F COP	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	2.3 / 6.1 / 10.7	2.3 / 8.1 / 14.0
		Heating (A)	1.9 / 7.5 / 18.8	2.4 / 9.8 / 23.6
	Max. Breaker	Amps	25.0	30.0
	Min. Circuit Ampacity	Amps	22.7	26.7
Dimensions	W X H X D (in.)	Indoor Unit	37 5/16 X 11 1/8 X 37 5/16	37 5/16 X 14 3/8 X 37 5/16
		Outdoor Unit	34 5/8 X 31 3/8 X 12 3/16	37 X 39 5/16 X 13
	Weight (lbs.)	Indoor Unit	44.10	50.70
		Outdoor Unit	116.84	155.40
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	30 / 33 / 36	30 / 33 / 36
	Outdoor Unit dB(A)	Cooling / Heating (high)	51 / 51	50 / 52
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	1/2	5/8
	Maximum (ft.)		164	164
	Maximum Vertical Separation (ft.)		98	98
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge/Max Charge	oz.	60 / 82.4	81.1 / 103.5
	Charged for		24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	14.1	17.3
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)
	Output	Watts	65	97
Airflow	Air Volume (L/M/H)	Cooling (CFM)	480 / 547 / 646	526 / 632 / 745
		Heating (CFM)	480 / 547 / 646	526 / 632 / 745
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.2A X 1 / 125W X 1 / 2,154	1.2A X 1 / 125W X 1 / 2,684
Fascia Panel	Open Type (Round)	L X W X H (in.)	41 3/8 X 3 3/8	41 3/8 X 3 3/8
		Weight (lbs.)	8.85	8.85
	Ceiling Type (Square)	L X W X H (in.)	39 3/8 X 39 3/8 X 2 5/8	39 3/8 X 39 3/8 X 2 5/8
		Weight (lbs.)	6.62	6.62
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40

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AC030DN6DCG/AA (CNG306DD)	AC036DN6DCG/AA (CNG366DD)	AC048DN6DCG/AA (CNG486DD)
AC030DXSCCG/AA (CXG30SCD)	AC036DXSCCG/AA (CXG36SCD)	AC048DXSCCG/AA (CXG48SCD)
30,000 / 34,000	36,000 / 40,000	46,000 / 54,000
13,500 - 41,000	14,000 - 50,000	14,500 - 58,000
10,500 - 55,000	11,000 - 62,000	13,000 - 71,000
22.00	21.70	18.50
13.00	12.80	12.00
10.40	10.30	10.00
1.80	1.80	1.80
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
4.1 / 10.3 / 14.1	4.4 / 12.5 / 17.6	4.7 / 17.1 / 22.0
2.7 / 11.4 / 25.5	2.9 / 13.8 / 29.9	3.5 / 20.8 / 32.0
40.0	40.0	40.0
35.0	35.8	36.2
37 5/16 X 14 3/8 X 37 5/16	37 5/16 X 14 3/8 X 37 5/16	37 5/16 X 14 3/8 X 37 5/16
37 X 55 7/8 X 13	37 X 55 7/8 X 13	37 X 55 7/8 X 13
55.10	55.10	55.10
211.60	211.60	211.60
31 / 35 / 38	32 / 38 / 43	35 / 40 / 45
49 / 51	50 / 52	51 / 53
23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
3/8	3/8	3/8
5/8	5/8	5/8
246	246	246
98	98	98
1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
R-32	R-32	R-32
Not Included	Not Included	Not Included
123.5 / 195.04	123.5 / 195.04	123.5 / 195.04
24.6 ft.	24.6 ft.	24.6 ft.
0.323	0.323	0.323
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
22.6	22.6	22.4
BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)
97	97	97
590 / 699 / 841	710 / 943 / 1,180	823 / 1024 / 1,257
590 / 699 / 841	710 / 943 / 1,180	823 / 1024 / 1,257
BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)
1.2A X 2 / 125W X 2 / 4,415	1.2A X 2 / 125W X 2 / 4,415	1.2A X 2 / 125W X 2 / 4,415
41 3/8 X 3 3/8	41 3/8 X 3 3/8	41 3/8 X 3 3/8
8.85	8.85	8.85
39 3/8 X 39 3/8 X 2 5/8	39 3/8 X 39 3/8 X 2 5/8	39 3/8 X 39 3/8 X 2 5/8
6.62	6.62	6.62
ISO-9227	ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS

Light Commercial | Indoor Specifications



Slim Duct / Premium

Model	Indoor Unit Model Number (US Code)		AC009DNLDCG/AA (CNG09LDD)	AC012DNLDCG/AA (CNG12LDD)	AC018DNLDCG/AA (CNG18LDD)
	Outdoor Unit Model Number (US Code)		AC009DXSCCG/AA (CXG09SCD)	AC012DXSCCG/AA (CXG12SCD)	AC018DXSCCG/AA (CXG18SCD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	9,000 / 12,000	12,000 / 14,000	17,500 / 20,000
	Capacity Range	Cooling (Btu/h)	3,000 - 13,000	3,200 - 14,000	5,500 - 22,000
		Heating (Btu/h)	2,900 - 16,000	3,000 - 17,000	3,000 - 25,000
	AHRI 210-240 2023	SEER2	20.10	19.60	17.00
		EER2	13.50	11.80	11.70
		HSPF2 (region IV)	9.60	9.50	9.00
		5°F COP	1.80	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	1.2 / 2.9 / 5.9	1.3 / 4.5 / 5.9	2.4 / 6.9 / 10.8
		Heating (A)	1.1 / 4.6 / 9.0	1.1 / 5.0 / 9.3	1.8 / 8.4 / 16.0
	Max. Breaker	Amps	15.0	15.0	25.0
	Min. Circuit Ampacity	Amps	13.9	13.9	22.7
Dimensions	W X H X D (in.)	Indoor Unit	35 7/16 X 7 13/16 X 17 5/16	35 7/16 X 7 13/16 X 17 5/16	43 5/16 X 7 13/16 X 17 5/16
		Outdoor Unit	31 1/8 X 21 5/8 X 11 3/16	31 1/8 X 21 5/8 X 11 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	42.30	42.30	49.60
		Outdoor Unit	69.40	69.40	116.84
	Duct Connections (W X H)	Supply (in.)	29 3/16 X 5 15/16	29 3/16 X 5 15/16	37 1/16 X 5 7/8
		Return (ID, in.)	30 5/8 X 6 5/8 (inside)	30 5/8 X 6 5/8 (inside)	38 1/2 X 6 5/8 (inside)
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	26 / 30 / 33	27 / 31 / 34	28 / 32 / 35
	Outdoor Unit dB(A)	Cooling / Heating (high)	46 / 47	47 / 48	51 / 51
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4	1/4
		Low side (In.)	3/8	3/8	1/2
	Maximum (ft.)		66	66	164
	Maximum Vertical Separation (ft.)		49	49	98
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Refrigerant	Type		R-32	R-32	R-32
	A2L Leak Detection		Optional Accessory	Optional Accessory	Optional Accessory
	Factory Charge/Max Charge	oz.	31.7 / 38.4	31.7 / 38.4	60 / 82.4
	Charged for		24.6 ft.	24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	8.4	8.4	14.1
Evaporator Fan	Type		BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)
	Output	Watts	84	84	84
	External Static Pressure	Standard ("WC)	0.10	0.10	0.10
		Min. / Max. ("WC)	0.01 / 0.24	0.01 / 0.24	0.01 / 0.24
Airflow	Air Volume (L/M/H)	Cooling (CFM)	247 / 283 / 325	325 / 385 / 456	353 / 459 / 600
		Heating (CFM)	247 / 283 / 325	325 / 385 / 456	353 / 459 / 600
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		0.42A X 1 / 45W X 1 / 1,060	0.42A X 1 / 45W X 1 / 1,060	1.2A X 1 / 125W X 1 / 2,154
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9727	ISO-9727	ISO-9727
Safety	Certifications		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

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Duct S / Standard

Model	Indoor Unit Model Number (US Code)		AC018DNHDCG/AA (CNG18HDD)	AC024DNHDCG/AA (CNG24HDD)
	Outdoor Unit Model Number (US Code)		AC018DXADCG/AA (CXG18ADD)	AC024DXADCG/AA (CXG24ADD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	18,000 / 20,000	24,000 / 27,000
	Capacity Range	Cooling (Btu/h)	4,200 - 21,000	6,500 - 30,000
		Heating (Btu/h)	4,500 - 29,000	6,200 - 37,000
	AHRI 210-240 2023	SEER2	18.00	17.50
		EER2	10.50	11.00
		HSPF2 (region IV)	8.50	8.70
		5°F COP	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	2.1 / 7.6 / 8.0	2.6 / 9.7 / 13.2
		Heating (A)	1.7 / 7.9 / 21.6	2.2 / 11.0 / 19.8
	Max. Breaker	Amps	25.0	25.0
	Min. Circuit Ampacity	Amps	22.3	22.3
Dimensions	W X H X D (in.)	Indoor Unit	47 3/16 X 9 13/16 X 27 5/8	47 3/16 X 9 13/16 X 27 5/8
		Outdoor Unit	34 5/8 X 25 1/8 X 12 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	73.90	76.10
		Outdoor Unit	91.50	116.84
	Duct Connections (W X H)	Supply (in.)	45 15/16 X 8 11/16	45 15/16 X 8 11/16
		Return (ID, in.)	46 15/16 X 8 11/16	46 15/16 X 8 11/16
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	32 / 36 / 40	33 / 37 / 41
	Outdoor Unit dB(A)	Cooling / Heating (high)	48 / 48	50 / 52
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle
		Heating	-4 - 75°F (-20 - 24°C)	-4 - 75°F (-20 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	1/2	5/8
	Maximum (ft.)		164	164
	Maximum Vertical Separation (ft.)		98	98
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Optional Accessory	Optional Accessory
	Factory Charge/Max Charge	oz.	45.9 / 82.4	60 / 82.4
	Charged for		24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	14.4	14.4
Evaporator Fan	Type		BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)
	Output	Watts	153	153
	External Static Pressure	Standard (“WC)	0.58	0.58
		Min. / Max. (“WC)	0.1 / 0.79	0.1 / 0.79
Airflow	Air Volume (L/M/H)	Cooling (CFM)	593 / 735 / 841	608 / 735 / 841
		Heating (CFM)	593 / 735 / 841	608 / 735 / 841
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.25A X 1 / 125W X 1 / 1,766	1.2A X 1 / 125W X 1 / 2,154
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40

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AC030DNHDCG/AA (CNG30HDD)	AC036DNHDCG/AA (CNG36HDD)	AC048DNHDCG/AA (CNG48HDD)
AC030DXADCG/AA (CXG30ADD)	AC036DXADCG/AA (CXG36ADD)	AC048DXADCG/AA (CXG48ADD)
30,000 / 34,000	36,000 / 40,000	48,000 / 54,000
9,000 - 36,000	11,000 - 43,000	13,000 - 54,000
8,000 - 47,000	9,000 - 54,000	12,000 - 67,000
19.00	17.40	17.30
11.00	9.50	8.70
9.00	8.80	8.70
1.80	1.80	1.80
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
3.7 / 12.1 / 14.8	4.9 / 16.9 / 23.1	5.7 / 24.6 / 27.3
2.9 / 13.1 / 22.9	3.5 / 15.9 / 24.0	4.4 / 24.4 / 31.9
30.0	30.0	40.0
26.7	27.6	36.1
51 3/16 X 11 13/16 X 27 5/8	51 3/16 X 11 13/16 X 27 5/8	51 3/16 X 11 13/16 X 27 5/8
37 X 39 5/16 X 13	37 X 39 5/16 X 13	37 X 47 5/8 X 13
98.10	98.10	98.10
156.50	168.70	190.70
49 15/16 X 10 5/8	49 15/16 X 10 5/8	49 15/16 X 10 5/8
49 15/16 X 10 5/8	49 15/16 X 10 5/8	49 15/16 X 10 5/8
33 / 37 / 41	35 / 39 / 43	37 / 41 / 45
50 / 52	52 / 54	56 / 58
23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle
-4 - 75°F (-20 - 24°C)	-4 - 75°F (-20 - 24°C)	-4 - 75°F (-20 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
3/8	3/8	3/8
5/8	5/8	5/8
164	164	246
98	98	98
1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
R-32	R-32	R-32
Optional Accessory	Optional Accessory	Optional Accessory
95.2 / 140.96	95.2 / 140.96	102.3 / 173.76
24.6 ft.	24.6 ft.	24.6 ft.
0.323	0.323	0.323
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
17.6	17.6	23.0
BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)
244	244	244
0.58	0.58	0.58
0.1 / 0.79	0.1 / 0.79	0.1 / 0.79
791 / 946 / 1,130	954 / 1,165 / 1,360	1,077 / 1,307 / 1,554
791 / 946 / 1,130	954 / 1,165 / 1,360	1,077 / 1,307 / 1,554
BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)
1.2A X 1 / 125W X 1 / 2,684	1.2A X 1 / 125W X 2 / 2,684	1.2A X 2 / 125W X 2 / 3,532
ISO-9227	ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS

Light Commercial | Indoor Specifications



Duct S / Premium

Model	Indoor Unit Model Number (US Code)		AC009DNHDCG/AA (CNG09HDD)	AC012DNHDCG/AA (CNG12HDD)	AC018DNHDCG/AA (CNG18HDD)
	Outdoor Unit Model Number (US Code)		AC009DXSCCG/AA (CXG09SCD)	AC012DXSCCG/AA (CXG12SCD)	AC018DXSCCG/AA (CXG18SCD)
Performance	Nominal Capacity	Cooling/Heating (Btu/h)	9,000 / 12,000	12,000 / 14,000	18,000 / 20,000
	Capacity Range	Cooling (Btu/h)	3,300 - 14,000	3,500 - 15,000	6,000 - 24,000
		Heating (Btu/h)	2,800 - 15,000	3,000 - 18,000	5,000 - 30,000
	AHRI 210-240 2023	SEER2	18.90	18.60	18.30
		EER2	12.70	11.70	12.00
		HSPF2 (region IV)	10.00	9.50	8.90
		5°F COP	1.80	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	1.4 / 3.1 / 6.4	1.4 / 4.5 / 6.6	2.5 / 7.1 / 11.0
		Heating (A)	1.1 / 4.3 / 8.9	1.1 / 5.2 / 9.8	2.0 / 7.7 / 19.0
	Max. Breaker	Amps	15.0	15.0	25.0
	Min. Circuit Ampacity	Amps	13.9	13.9	22.7
Dimensions	W X H X D (in.)	Indoor Unit	33 7/16 X 9 13/16 X 27 9/16	33 7/16 X 9 13/16 X 27 9/16	47 3/16 X 9 13/16 X 27 5/8
		Outdoor Unit	31 1/8 X 21 5/8 X 11 3/16	31 1/8 X 21 5/8 X 11 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	59.50	59.50	73.90
		Outdoor Unit	69.40	69.40	116.84
	Duct Connections (W X H)	Supply (in.)	32 3/16 X 8 11/16	32 3/16 X 8 11/16	45 15/16 X 8 11/16
		Return (ID, in.)	33 3/16 X 8 11/16	33 3/16 X 8 11/16	46 15/16 X 8 11/16
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	28 / 35 / 41	29 / 36 / 42	32 / 36 / 40
	Outdoor Unit dB(A)	Cooling / Heating (high)	46 / 47	47 / 48	51 / 51
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4	1/4
		Low side (In.)	3/8	3/8	1/2
	Maximum (ft.)		66	66	164
	Maximum Vertical Separation (ft.)		49	49	98
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Refrigerant	Type		R-32	R-32	R-32
	A2L Leak Detection		Optional Accessory	Optional Accessory	Optional Accessory
	Factory Charge/Max Charge	oz.	31.7 / 38.4	31.7 / 38.4	60 / 82.4
	Charged for		24.6 ft.	24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	8.4	8.4	14.1
Evaporator Fan	Type		BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (3)
	Output	Watts	153	153	153
	External Static Pressure	Standard ("WC)	0.58	0.58	0.58
		Min. / Max. ("WC)	0.1 / 0.59	0.1 / 0.59	0.1 / 0.79
Airflow	Air Volume (L/M/H)	Cooling (CFM)	279 / 364 / 456	318 / 410 / 516	593 / 735 / 841
		Heating (CFM)	279 / 364 / 456	318 / 410 / 516	593 / 735 / 841
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		0.42A X 1 / 45W X 1 / 1,060	0.42A X 1 / 45W X 1 / 1,060	1.2A X 1 / 125W X 1 / 2,154
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS

Light Commercial | Indoor Specifications

AC024DNHDCG/AA (CNG24HDD)	AC030DNHDCG/AA (CNG30HDD)	AC036DNHDCG/AA (CNG36HDD)	AC048DNHDCG/AA (CNG48HDD)
AC024DXSCCG/AA (CXG24SCD)	AC030DXSCCG/AA (CXG30SCD)	AC036DXSCCG/AA (CXG36SCD)	AC048DXSCCG/AA (CXG48SCD)
23,000 / 27,000	30,000 / 35,000	36,000 / 40,000	47,000 / 54,000
8,400 - 32,000	14,500 - 41,000	15,000 - 50,000	15,500 - 58,000
7,000 - 39,000	11,000 - 55,000	11,500 - 62,000	13,500 - 71,000
18.00	20.00	20.00	18.00
12.00	13.00	12.80	11.70
9.50	10.00	9.80	9.50
1.80	1.80	1.80	1.80
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253	187 - 253
2.4 / 9.1 / 14.2	4.3 / 10.3 / 15.0	4.5 / 12.5 / 18.9	4.8 / 17.9 / 22.9
2.3 / 11.3 / 23.5	3.4 / 12.4 / 26.4	3.6 / 14.5 / 30.8	4.3 / 23.6 / 32.0
30.0	40.0	40.0	40.0
26.7	35.0	35.8	36.2
47 3/16 X 9 13/16 X 27 5/8	51 3/16 X 11 13/16 X 27 5/8	51 3/16 X 11 13/16 X 27 5/8	51 3/16 X 11 13/16 X 27 5/8
37 X 39 5/16 X 13	37 X 55 7/8 X 13	37 X 55 7/8 X 13	37 X 55 7/8 X 13
76.10	98.10	98.10	98.10
155.40	211.60	211.60	211.60
45 15/16 X 8 11/16	49 15/16 X 10 5/8	49 15/16 X 10 5/8	49 15/16 X 10 5/8
46 15/16 X 8 11/16	49 15/16 X 10 5/8	49 15/16 X 10 5/8	49 15/16 X 10 5/8
33 / 37 / 41	33 / 37 / 41	35 / 39 / 43	37 / 41 / 45
50 / 52	49 / 51	50 / 52	51 / 53
23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
1/4	3/8	3/8	3/8
5/8	5/8	5/8	5/8
164	246	246	246
98	98	98	98
1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
R-32	R-32	R-32	R-32
Optional Accessory	Optional Accessory	Optional Accessory	Optional Accessory
81.1 / 103.5	123.5 / 195.04	123.5 / 195.04	123.5 / 195.04
24.6 ft.	24.6 ft.	24.6 ft.	24.6 ft.
0.161	0.323	0.323	0.323
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
17.3	22.6	22.6	22.4
BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)
153	244	244	244
0.58	0.58	0.58	0.58
0.1 / 0.79	0.1 / 0.79	0.1 / 0.79	0.1 / 0.79
607 / 735 / 841	791 / 946 / 1,130	954 / 1,165 / 1,360	1,077 / 1,307 / 1,554
607 / 735 / 841	791 / 946 / 1,130	954 / 1,165 / 1,360	1,077 / 1,307 / 1,554
BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)
1.2A X 1 / 125W X 1 / 2,684	1.2A X 2 / 125W X 2 / 4,415	1.2A X 2 / 125W X 2 / 4,415	1.2A X 2 / 125W X 2 / 4,415
ISO-9227	ISO-9227	ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

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Duct S / -40 Cooling Only

Model	Indoor Unit Model Number (US Code)		AC018DNHDCG/AA (CNG18HDD)	AC024DNHDCG/AA (CNG24HDD)
	Outdoor Unit Model Number (US Code)		AC018DXSCCF/AA (CXF18SCD)	AC024DXSCCF/AA (CXF24SCD)
Performance	Nominal Capacity	Cooling (Btu/h)	18,000	23,000
	Capacity Range	Cooling (Btu/h)	4,000 - 22,000	6,000 - 30,000
	AHRI 210-240 2023	SEER2	18.60	18.40
		EER2	12.00	12.00
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (A)	Min. / Standard / Max.	2.1 / 6.7 / 9.7	2.4 / 8.5 / 16.9
	Max. Breaker	Amps	15.0	25.0
	Min. Circuit Ampacity	Amps	13.7	21.3
Dimensions	W X H X D (in.)	Indoor Unit	47 3/16 X 9 13/16 X 27 5/8	47 3/16 X 9 13/16 X 27 5/8
		Outdoor Unit	34 5/8 X 25 1/8 X 12 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	73.90	76.10
		Outdoor Unit	88.20	101.40
	Duct Connections (W X H)	Supply (in.)	45 15/16 X 8 11/16	45 15/16 X 8 11/16
		Return (ID, in.)	46 15/16 X 8 11/16	46 15/16 X 8 11/16
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	32 / 36 / 40	33 / 37 / 41
	Outdoor Unit dB(A)	High	48	50
Operating Temperatures	Outdoor		23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			-40 - 122°F (-40 - 50°C) W/Baffle	-40 - 122°F (-40 - 50°C) W/Baffle
	Indoor		64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	1/2	5/8
	Maximum (ft.)		98	164
	Maximum Vertical Separation (ft.)		66	98
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Optional Accessory	Optional Accessory
	Factory Charge	oz.	45.9	60.0
	Charged for		24.6 ft.	24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	8.2	14.6
Evaporator Fan	Type		BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)
	Output	Watts	153	153
	External Static Pressure	Standard (“WC)	0.58	0.58
		Min. / Max. (“WC)	0.1 / 0.79	0.1 / 0.79
Airflow	Air Volume	CFM (L/M/H)	593 / 735 / 841	607 / 735 / 841
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.2A X 1 / 125W X 1 / 1,766	1.2A X 1 / 125W X 1 / 2,154
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing

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AC030DNHDCG/AA (CNG30HDD)	AC036DNHDCG/AA (CNG36HDD)
AC030DXSCCF/AA (CXF30SCD)	AC036DXSCCF/AA (CXF36SCD)
30,000	36,000
8,800 - 38,000	12,000 - 42,000
19.00	17.50
11.00	9.80
1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253
3.4 / 12.1 / 20.3	4.9 / 16.4 / 23.1
30.0	30.0
27.0	27.0
51 3/16 X 11 13/16 X 27 5/8	51 3/16 X 11 13/16 X 27 5/8
37 X 39 5/16 X 13	37 X 39 5/16 X 13
98.10	98.10
156.50	156.50
49 15/16 X 10 5/8	49 15/16 X 10 5/8
49 15/16 X 10 5/8	49 15/16 X 10 5/8
33 / 37 / 41	35 / 39 / 43
52	54
23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
-40 - 122°F (-40 - 50°C) W/Baffle	-40 - 122°F (-40 - 50°C) W/Baffle
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
3/8	3/8
5/8	5/8
164	164
98	98
1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
R-32	R-32
Optional Accessory	Optional Accessory
95.2	95.2
24.6 ft.	24.6 ft.
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
17.7	17.7
BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)
244	244
0.58	0.58
0.1 / 0.79	0.1 / 0.79
791 / 946 / 1,130	954 / 1,165 / 1,360
BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
1.2A X 1 / 125W X 1 / 2,684	1.2A X 1 / 125W X 1 / 2,684
ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing

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Light Commercial | Indoor Specifications



Console / Premium

Model	Indoor Unit Model Number (US Code)		AC009DNJDCG/AA (CNG09JDD)	AC012DNJDCG/AA (CNG12JDD)	AC018DNJDCG/AA (CNG18JDD)
	Outdoor Unit Model Number (US Code)		AC009DXSCCG/AA (CXG09SCD)	AC012DXSCCG/AA (CXG12SCD)	AC018DXSCCG/AA (CXG18SCD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	9,000 / 10,100	10,200 / 13,000	16,000 / 19,000
	Capacity Range	Cooling (Btu/h)	3,200 - 13,500	3,300 - 14,000	5,600 - 21,000
		Heating (Btu/h)	2,800 - 19,000	2,900 - 19,500	4,100 - 22,000
	AHRI 210-240 2023	SEER2	21.00	21.00	20.00
		EER2	12.70	12.20	12.20
		HSPF2 (region IV)	9.70	9.50	9.50
		5°F COP	1.80	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	1.0 / 3.1 / 6.2	1.0 / 3.7 / 6.3	1.9 / 5.8 / 10.2
		Heating (A)	0.9 / 3.4 / 10.2	0.9 / 5.0 / 10.5	1.7 / 7.5 / 13.2
	Max. Breaker	Amps	15.0	15.0	25.0
	Min. Circuit Ampacity	Amps	13.9	13.9	22.7
Dimensions	W X H X D (in.)	Indoor Unit	28 3/8 X 24 3/8 X 7 13/16	28 3/8 X 24 3/8 X 7 13/16	28 3/8 X 24 3/8 X 7 13/16
		Outdoor Unit	31 1/8 X 21 5/8 X 11 3/16	31 1/8 X 21 5/8 X 11 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	34.60	34.60	35.10
		Outdoor Unit	69.40	69.40	116.84
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	24 / 29 / 31 / 35	24 / 33 / 35 / 38	32 / 35 / 39 / 43
	Outdoor Unit dB(A)	Cooling / Heating (high)	46 / 47	47 / 48	51 / 51
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4	1/4
		Low side (In.)	3/8	3/8	1/2
	Maximum (ft.)		66	66	164
	Maximum Vertical Separation (ft.)		49	49	98
	Condensate Connection		ID 11/16"	ID 11/16"	ID 11/16"
Refrigerant	Type		R-32	R-32	R-32
	A2L Leak Detection		Integral	Integral	Integral
	Factory Charge/Max Charge	oz.	31.7 / 38.4	31.7 / 38.4	60 / 82.4
	Charged for		24.6 ft.	24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	8.4	8.4	14.1
Evaporator Fan	Type		BLDC motor with turbo fan	BLDC motor with turbo fan	BLDC motor with turbo fan
	Output	Watts	35	35	35
Airflow	Air Volume (L/M/H)	Cooling (CFM)	212 / 240 / 265	219 / 254 / 300	261 / 297 / 332
		Heating (CFM)	219 / 254 / 300	254 / 290 / 318	300 / 343 / 388
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		0.42A X 1 / 45W X 1 / 1,060	0.42A X 1 / 40W X 1 / 1,060	1.2A X 1 / 125W X 1 / 2,154
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.			ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

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MPAH / Standard

Model	Indoor Unit Model Number (US Code)		AC018DNZDCG/AA (CNG18ZDD)	AC024DNZDCG/AA (CNG24ZDD)
	Outdoor Unit Model Number (US Code)		AC018DXADCG/AA (CXG18ADD)	AC024DXADCG/AA (CXG24ADD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	18,000 / 20,000	24,000 / 27,000
	Capacity Range	Cooling (Btu/h)	5,000 - 22,000	8,000 - 30,000
		Heating (Btu/h)	5,000 - 29,000	7,000 - 35,000
	AHRI 210-240 2023	SEER2	16.50	16.60
		EER2	10.00	10.70
		HSPF2 (region IV)	8.10	8.30
		5°F COP	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	2.6 / 8.0 / 11.5	3.4 / 10.0 / 14.4
		Heating (A)	2.2 / 8.7 / 16.0	2.7 / 11.7 / 16.0
	Max. Breaker	Amps	25.0	25.0
	Min. Circuit Ampacity	Amps	22.3	22.3
Dimensions	W X H X D (in.)	Indoor Unit	21 X 48 X 21	21 X 48 X 21
		Outdoor Unit	34 5/8 X 25 1/8 X 12 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	124.5	124.5
		Outdoor Unit	91.50	116.84
	Duct Connections (W X H)	Supply (in.)	12 1/2 X 18 3/4	12 1/2 X 18 3/4
		Return (in.)	21 X 21	21 X 21
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	34 / 37 / 40	35 / 38 / 41
	Outdoor Unit dB(A)	Cooling / Heating (high)	48 / 48	50 / 52
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle
		Heating	-4 - 75°F (-20 - 24°C)	-4 - 75°F (-20 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	1/2	5/8
	Maximum (ft.)		164	164
	Maximum Vertical Separation (ft.)		98	98
	Condensate Connection		3/4" FNPT	3/4" FNPT
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Integral	Integral
	Factory Charge/Max Charge	oz.	45.9 / 82.4	60 / 82.4
	Charged for		24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	14.4	14.4
Evaporator Fan	Type		Constant Torque w/Double-inlet, Forward Curve, Centrifugal Fan	Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan
	Output	Watts	410	410
	External Static Pressure	Standard ("WC)	0.58	0.58
		Min. / Max. ("WC)	0 / 0.8	0 / 0.8
Airflow	Air Volume (L/M/H)	Cooling (CFM)	477 / 583 / 636	530 / 636 / 706
		Heating (CFM)	477 / 583 / 636	530 / 636 / 706
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.25A X 1 / 125W X 1 / 1,766	1.2A X 1 / 125W X 1 / 2,154
Corrosion Prevention	IS0-9227 - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		IS0-9227	IS0-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crank-case heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing

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AC030DNZDCG/AA (CNG30ZDD)	AC036DNZDCG/AA (CNG36ZDD)	AC048DNZDCG/AA (CNG48ZDD)
AC030DXADCG/AA (CXG30ADD)	AC036DXADCG/AA (CXG36ADD)	AC048DXADCG/AA (CXG48ADD)
30,000 / 34,000	36,000 / 40,000	48,000 / 54,000
8,500 - 35,000	10,000 - 37,000	12,500 - 54,000
7,200 - 39,000	10,000 - 52,000	11,000 - 66,000
19.00	16.00	17.50
11.50	9.50	9.60
9.50	8.60	8.80
1.80	1.80	1.80
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
3.4 / 11.6 / 18.3	4.9 / 16.9 / 23.1	5.0 / 22.4 / 29.4
2.7 / 14.3 / 23.3	4.0 / 17.4 / 24.0	4.1 / 23.6 / 32.0
30.0	30.0	40.0
26.7	26.7	36.1
21 X 48 X 21	21 X 48 X 21	24 1/2 X 58 11/16 X 21
37 X 39 5/16 X 13	37 X 39 5/16 X 13	37 X 47 5/8 X 13
124.5	124.5	162.0
156.50	168.70	190.70
12 1/2 X 18 3/4	12 1/2 X 18 3/4	14 1/4 X 21 3/4
21 X 21	21 X 21	24 1/2 X 21 3/4
35 / 38 / 41	39 / 42 / 45	43 / 45 / 47
50 / 52	52 / 54	56 / 58
23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle	0 - 122°F (-18 - 50°C) W/Baffle
-4 - 75°F (-20 - 24°C)	-4 - 75°F (-20 - 24°C)	-4 - 75°F (-20 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
3/8	3/8	3/8
5/8	5/8	5/8
164	164	246
98	98	98
3/4" FNPT	3/4" FNPT	3/4" FNPT
R-32	R-32	R-32
Integral	Integral	Integral
95.2 / 140.96	95.2 / 140.96	102.3 / 173.76
24.6 ft.	24.6 ft.	24.6 ft.
0.323	0.323	0.323
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
17.6	17.6	23.0
Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan	Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan	Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan
410	410	590
0.58	0.58	0.58
0 / 1	0 / 1	0 / 1
848 / 918 / 1,007	901 / 1074 / 1,229	1,257 / 1,388 / 1,494
848 / 918 / 1,007	901 / 1074 / 1,229	1,257 / 1,388 / 1,494
BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)
1.2A X 1 / 125W X 1 / 2,684	1.2A X 1 / 125W X 2 / 2,684	1.2A X 2 / 125W X 2 / 3,532
IS0-9227	IS0-9227	IS0-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing

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MPAH / Premium

Model	Indoor Unit Model Number (US Code)		AC018DNZDCG/AA (CNG18ZDD)	AC024DNZDCG/AA (CNG24ZDD)
	Outdoor Unit Model Number (US Code)		AC018DXSCCG/AA (CXG18SCD)	AC024DXSCCG/AA (CXG24SCD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	18,000 / 20,000	24,000 / 27,000
	Capacity Range	Cooling (Btu/h)	5,500 - 23,000	8,500 - 32,000
		Heating (Btu/h)	5,500 - 30,500	7,500 - 36,500
	AHRI 210-240 2023	SEER2	18.00	17.30
		EER2	12.00	11.70
		HSPF2 (region IV)	8.50	8.80
		5°F COP	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	2.6 / 6.7 / 11.5	2.6 / 9.4 / 14.4
		Heating (A)	2.2 / 7.9 / 16.0	2.4 / 11.4 / 23.3
	Max. Breaker	Amps	25.0	30.0
	Min. Circuit Ampacity	Amps	22.7	26.7
Dimensions	W X H X D (in.)	Indoor Unit	21 X 48 X 21	21 X 48 X 21
		Outdoor Unit	34 5/8 X 31 3/8 X 12 3/16	37 X 39 5/16 X 13
	Weight (lbs.)	Indoor Unit	124.5	124.5
		Outdoor Unit	116.84	155.40
	Duct Connections (W X H)	Supply (in.)	12 1/2 X 18 3/4	12 1/2 X 18 3/4
		Return (in.)	21 X 21	21 X 21
Sound Pressure Level	Indoor Unit dB(A)	L / M / H	34 / 37 / 40	35 / 38 / 41
	Outdoor Unit dB(A)	Cooling / Heating (high)	51 / 51	50 / 52
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	1/2	5/8
	Maximum (ft.)		164	164
	Maximum Vertical Separation (ft.)		98	98
	Condensate Connection		3/4" FNPT	3/4" FNPT
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Integral	Integral
	Factory Charge/Max Charge	oz.	60 / 82.4	81.1 / 103.5
	Charged for		24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	14.1	17.3
Evaporator Fan	Type		Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan	Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan
	Output	Watts	410	410
	External Static Pressure	Standard ("WC)	0.58	0.58
		Min. / Max. ("WC)	0 / 0.8	0 / 0.8
Airflow	Air Volume (L/M/H)	Cooling (CFM)	477 / 583 / 636	530 / 636 / 706
		Heating (CFM)	477 / 583 / 636	530 / 636 / 706
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.2A X 1 / 125W X 1 / 2,154	1.2A X 1 / 125W X 1 / 2,684
Corrosion Prevention	ISO-9227 - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40

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AC030DNZDCG/AA (CNG30ZDD)	AC036DNZDCG/AA (CNG36ZDD)	AC048DNZDCG/AA (CNG48ZDD)
AC030DXSCCG/AA (CXG30SCD)	AC036DXSCCG/AA (CXG36SCD)	AC048DXSCCG/AA (CXG48SCD)
30,000 / 34,000	36,000 / 40,000	48,000 / 54,000
13,000 - 40,000	13,500 - 45,000	12,500 - 56,000
10,000 - 43,000	10,500 - 48,000	11,000 - 68,000
19.00	18.70	18.00
13.00	12.00	12.00
9.70	9.50	9.50
1.80	1.80	1.80
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
4.6 / 10.3 / 14.8	4.7 / 13.4 / 18.1	4.9 / 17.9 / 30.6
3.6 / 13.4 / 20.7	3.8 / 16.4 / 22.0	4.1 / 22.8 / 32.0
40.0	40.0	40.0
35.0	35.8	36.2
21 X 48 X 21	21 X 48 X 21	24 1/2 X 58 11/16 X 21
37 X 55 7/8 X 13	37 X 55 7/8 X 13	37 X 55 7/8 X 13
124.5	124.5	162.0
211.60	211.60	211.60
12 1/2 X 18 3/4	12 1/2 X 18 3/4	14 1/4 X 21 3/4
21 X 21	21 X 21	24 1/2 X 21 3/4
35 / 38 / 41	39 / 42 / 45	43 / 45 / 47
49 / 51	51 / 53	51 / 53
23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
3/8	3/8	3/8
5/8	5/8	5/8
246	246	246
98	98	98
3/4" FNPT	3/4" FNPT	3/4" FNPT
R-32	R-32	R-32
Integral	Integral	Integral
123.5 / 195.04	123.5 / 195.04	123.5 / 195.04
24.6 ft.	24.6 ft.	24.6 ft.
0.323	0.323	0.323
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
22.6	22.6	22.4
Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan	Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan	Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan
410	410	590
0.58	0.58	0.58
0 / 1	0 / 1	0 / 1
848 / 918 / 1,007	901 / 1074 / 1,229	1,257 / 1,388 / 1,494
848 / 918 / 1,007	901 / 1074 / 1,229	1,257 / 1,388 / 1,494
BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)
1.2A X 2 / 125W X 2 / 4,415	1.2A X 2 / 125W X 2 / 4,415	1.2A X 2 / 125W X 2 / 4,415
ISO-9227	ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS

Light Commercial | Indoor Specifications



WindFree™ Premium

WindFree™

Model	Indoor Unit Model Number (US Code)		AC018DNADCG/AA (CNG18ADD)	AC024DNADCG/AA (CNG24ADD)
	Outdoor Unit Model Number (US Code)		AC018DXSCCG/AA (CXG18SCD)	AC024DXSCCG/AA (CXG24SCD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	18,000 / 20,000	24,000 / 27,000
	Capacity Range	Cooling (Btu/h)	6,100 - 22,500	8,200 - 29,000
		Heating (Btu/h)	3,400 - 29,000	8,000 - 43,000
	AHRI 210-240 2023	SEER2	20.50	20.00
		EER2	12.20	12.00
		HSPF2 (region IV)	9.50	9.50
		5°F COP	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	2.1 / 6.9 / 9.7	1.8 / 8.3 / 20.0
		Heating (A)	2.5 / 10.6 / 12.9	2.0 / 12.4 / 23.5
	Max. Breaker	Amps	25.0	30.0
	Min. Circuit Ampacity	Amps	22.7	26.7
Dimensions	W X H X D (in.)	Indoor Unit	41 1/2 X 8 1/2 X 11 13/16	41 1/2 X 8 1/2 X 11 13/16
		Outdoor Unit	34 5/8 X 31 3/8 X 12 3/16	37 X 39 5/16 X 13
	Weight (lbs.)	Indoor Unit	25.80	28.00
		Outdoor Unit	116.84	155.40
Sound Pressure Level	Indoor Unit dB(A)	L / M / H / Turbo	29 / 32 / 37 / 42	30 / 35 / 39 / 44
	Outdoor Unit dB(A)	Cooling / Heating (high)	51 / 51	50 / 52
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	1/2	5/8
	Maximum (ft.)		164	164
	Maximum Vertical Separation (ft.)		98	98
	Condensate Connection		11/16" OD	11/16" OD
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge/Max Charge	oz.	60 / 82.4	81.1 / 103.5
	Charged for		24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.161	0.161
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	14.1	17.3
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	Output	Watts	27	27
Airflow	Air Volume (L/M/H)	Cooling (CFM)	441 / 540 / 615	466 / 537 / 629
		Heating (CFM)	441 / 540 / 615	466 / 537 / 629
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.2A X 1 / 125W X 1 / 2,154	1.2A X 1 / 125W X 1 / 2,684
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS



WindFree™ -40 Cool Only

WindFree™

Light Commercial | Indoor Specifications

Model	Indoor Unit Model Number (US Code)		AC018DNADCG/AA (CNG18ADD)	AC024DNADCG/AA (CNG24ADD)
	Outdoor Unit Model Number (US Code)		AC018DXSCCF/AA (CXF18SCD)	AC024DXSCCF/AA (CXF24SCD)
Performance	Nominal Capacity	Cooling (Btu/h)	18,000	24,000
	Capacity Range	Cooling (Btu/h)	4,000 - 22,000	6,000 - 29,000
	AHRI 210-240 2023	SEER2	21.00	19.10
		EER2	13.00	9.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (A)	Min. / Standard / Max.	1.2 / 6.1 / 10.7	1.7 / 10.9 / 15.4
	Max. Breaker	Amps	15.0	25.0
	Min. Circuit Ampacity	Amps	13.7	21.3
Dimensions	W X H X D (in.)	Indoor Unit	41 1/2 X 8 1/2 X 11 13/16	41 1/2 X 8 1/2 X 11 13/16
		Outdoor Unit	34 5/8 X 25 1/8 X 12 3/16	34 5/8 X 31 3/8 X 12 3/16
	Weight (lbs.)	Indoor Unit	25.80	28.00
		Outdoor Unit	88.20	101.40
Sound Pressure Level	Indoor Unit dB(A)	L / M / H / Turbo	29 / 32 / 37 / 42	30 / 35 / 39 / 44
	Outdoor Unit dB(A)	High	48	50
Operating Temperatures	Outdoor		23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			-40 - 122°F (-40 - 50°C) W/Baffle	-40 - 122°F (-40 - 50°C) W/Baffle
	Indoor		64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	1/2	5/8
	Maximum (ft.)		98	164
	Maximum Vertical Separation (ft.)		66	98
	Condensate Connection		11/16" OD	11/16" OD
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge	oz.	45.9	60.0
	Charged for		24.6 ft.	24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	8.2	14.6
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	Output	Watts	27	27
Airflow	Air Volume	CFM (L/M/H)	441 / 540 / 615	466 / 537 / 629
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.2A X 1 / 125W X 1 / 1,766	1.2A X 1 / 125W X 1 / 2,154
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over -voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over -voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing

SPECIFICATIONS

Light Commercial | Indoor Specifications



Premium

Model	Indoor Unit Model Number (US Code)		AC030DNTDCG/AA (CNG30TDD)	AC036DNTDCG/AA (CNG36TDD)
	Outdoor Unit Model Number (US Code)		AC030DXSCCG/AA (CXG30SCD)	AC036DXSCCG/AA (CXG36SCD)
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	30,000 / 32,000	33,000 / 40,000
	Capacity Range	Cooling (Btu/h)	11,000 - 35,000	12,000 - 45,000
		Heating (Btu/h)	7,500 - 50,000	10,000 - 54,000
	AHRI 210-240 2023	SEER2	21.00	20.00
		EER2	12.50	12.00
		HSPF2 (region IV)	9.50	9.00
		5°F COP	1.80	1.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (min. / standard / max.)	Cooling (A)	2.5 / 13.6 / 17.1	2.1 / 15.0 / 24.0
		Heating (A)	5.0 / 16.8 / 19.1	3.0 / 20.0 / 24.0
	Max. Breaker	Amps	40.0	40.0
	Min. Circuit Ampacity	Amps	35.0	35.8
Dimensions	W X H X D (in.)	Indoor Unit	50 3/8 X 10 X 13 5/8	50 3/8 X 10 X 13 5/8
		Outdoor Unit	37 X 55 7/8 X 13	37 X 55 7/8 X 13
	Weight (lbs.)	Indoor Unit	40.80	40.80
		Outdoor Unit	211.60	211.60
Sound Pressure Level	Indoor Unit dB(A)	L / M / H / Turbo	37 / 45 / 47 / 49	38 / 46 / 48 / 51
	Outdoor Unit dB(A)	Cooling / Heating (high)	49 / 51	50 / 52
Operating Temperatures	Outdoor	Cooling	23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			-4 - 122°F (-20 - 50°C) W/Baffle	-4 - 122°F (-20 - 50°C) W/Baffle
		Heating	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	3/8	3/8
		Low side (In.)	5/8	5/8
	Maximum (ft.)		246	246
	Maximum Vertical Separation (ft.)		98	98
	Condensate Connection		11/16" OD	11/16" OD
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge/Max Charge	oz.	123.5 / 195.04	123.5 / 195.04
	Charged for		24.6 ft.	24.6 ft.
	Trim Charge	oz./ft	0.323	0.323
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	22.6	22.6
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	Output	Watts	58	58
Airflow	Air Volume (L/M/H)	Cooling (CFM)	671 / 724 / 777	699 / 752 / 830
		Heating (CFM)	671 / 724 / 777	699 / 752 / 830
Condenser Fan	Type		BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)
	MOC / Watts / CFM (max.)		1.2A X 2 / 125W X 2 / 4,415	1.2A X 2 / 125W X 2 / 4,415
Corrosion Prevention	ISO-9227 - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS



-40 Cooling Only

Light Commercial | Indoor Specifications

Model	Indoor Unit Model Number (US Code)		AC030DNTDCG/AA (CNG30TDD)	AC036DNTDCG/AA (CNG36TDD)
	Outdoor Unit Model Number (US Code)		AC030DXSCCF/AA (CXF30SCD)	AC036DXSCCF/AA (CXF36SCD)
Performance	Nominal Capacity	Cooling (Btu/h)	30,000	36,000
	Capacity Range	Cooling (Btu/h)	8,500 - 37,000	10,000 - 39,500
	AHRI 210-240 2023	SEER2	19.80	18.00
		EER2	10.40	8.10
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253
	Operating Current (A)	Min. / Standard / Max.	2.6 / 12.9 / 20.3	3.1 / 19.9 / 21.1
	Max. Breaker	Amps	30.0	30.0
	Min. Circuit Ampacity	Amps	27.0	27.0
Dimensions	W X H X D (in.)	Indoor Unit	50 3/8 X 10 X 13 5/8	50 3/8 X 10 X 13 5/8
		Outdoor Unit	37 X 39 5/16 X 13	37 X 39 5/16 X 13
	Weight (lbs.)	Indoor Unit	40.80	40.80
		Outdoor Unit	156.50	156.50
Sound Pressure Level	Indoor Unit dB(A)	L / M / H / Turbo	37 / 45 / 47 / 49	38 / 46 / 48 / 51
	Outdoor Unit dB(A)	High	52	54
Operating Temperatures	Outdoor		23 - 122°F (-5 - 50°C)	23 - 122°F (-5 - 50°C)
			-40 - 122°F (-40 - 50°C) W/Baffle	-40 - 122°F (-40 - 50°C) W/Baffle
	Indoor		64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
Pipe Connections	Indoor & Outdoor	High side (In.)	3/8	3/8
		Low side (In.)	5/8	5/8
	Maximum (ft.)		164	164
	Maximum Vertical Separation (ft.)		98	98
	Condensate Connection		11/16" OD	11/16" OD
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
	Factory Charge	oz.	95.2	95.2
	Charged for		24.6 ft.	24.6 ft.
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	17.7	17.7
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	Output	Watts	58	58
Airflow	Air Volume	CFM (L/M/H)	671 / 724 / 777	699 / 752 / 830
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	MOC / Watts / CFM (max.)		1.2A X 1 / 125W X 1 / 2,684	1.2A X 1 / 125W X 1 / 2,684
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 2,280 hours.		ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing

SPECIFICATIONS

Free Joint Multi | Outdoor Specifications

Outdoor Units / Standard

Model	Outdoor Unit Model Number (US Code)		AJ020DXJ2CG/AA (JXG20J2D)	AJ024DXJ3CG/AA (JXG24J3D)	AJ036DXJ4CG/AA (JXG36J4D)	AJ048DXJ5CG/AA (JXG48J5D)
Performance	Rated Capacity*	Cooling (Btu/h)	18,000	22,000	32,000	46,000
		Heating (Btu/h)	22,000	25,000	36,000	48,500
	SEER2 (Ducted / Mixed / Non-ducted)		18 / 19 / 20	19 / 20.75 / 22.5	19 / 20.75 / 22.5	20 / 20.5 / 21
	EER2 (Ducted / Mixed / Non-ducted)		11.7 / 12.2 / 12.7	11.7 / 12.2 / 12.7	11.7 / 12.1 / 12.5	11.7 / 11.7 / 11.7
	HSPF2 (Ducted / Mixed / Non-ducted)		8.6 / 8.8 / 9	8.6 / 9.05 / 9.5	8.6 / 9.05 / 9.5	8.6 / 8.8 / 9
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253	187 - 253	187 - 253	187 - 253
	Nominal Current**	Cooling (A)	6.3	7.7	11.4	17.4
		Heating (A)	7.5	7.7	10.9	16.4
	Max. Breaker	Amps	25.0	25.0	30.0	40.0
	Min. Circuit Ampacity	Amps	20.5	20.5	26.9	37.0
Dimensions	W X H X D	In.	34 5/8 X 31 7/16 X 12 3/16	34 5/8 X 31 7/16 X 12 3/16	37 X 39 5/16 X 13	37 X 47 5/8 X 13
	Weight	lbs.	124.60	125.70	158.70	194.00
Sound Pressure Level	Cooling / Heating (high)		48 / 51	48 / 51	54 / 56	52 / 55
Operating Temperatures	Outdoor	Cooling	14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)
		Heating	5 - 75°F (-15 - 24°C)	5 - 75°F (-15 - 24°C)	5 - 75°F (-15 - 24°C)	5 - 75°F (-15 - 24°C)
Pipe Connections	High side		1/4" X 2	1/4" X 3	1/4" X 4	1/4" X 5
	Low side (suction)		3/8" X 1 + 1/2" X 1	3/8" X 1 + 1/2" X 2	3/8" X 2 + 1/2" X 2	3/8" X 2 + 1/2" X 3
	Max. Individual Line Set Length	ft.	82	82	82	82
	Max. Line Set Length (total)	ft.	164	230	230	230
	Max. Vertical Separation	Outdoor to indoor (ft.)	49	49	49	49
		Highest to lowest indoor (ft.)	25	25	25	25
	Included Pipe Adapters		2 - 3/8" X 1/2"	2 - 1/2" X 3/8"	2 - 1/2" X 3/8", 1 - 1/2" X 5/8"	3 - 1/2" X 3/8", 2 - 1/2" X 5/8"
Refrigerant	Type		R-32	R-32	R-32	R-32
	Control Method		Electronic Expansion Valve (2)	Electronic Expansion Valve (3)	Electronic Expansion Valve (4)	Electronic Expansion Valve (5)
	Factory Charge	oz.	70.6	70.6	95.2	109.4
	Charged for	ft.	164	230	230	230
Compressor	Type		Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
	RLA	Amps	12.1	12.1	17.2	23.4
Condenser Fan	Type		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (2)
	MOC / Watts / CFM (max.)		1.2A X 1 / 125W X 1 / 1,678	1.2A X 1 / 125W X 1 / 1,678	1.2A X 1 / 125W X 1 / 2,613	1.2A X 2 / 125W X 2 / 3,320
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 240 hours.		ISO-9227	ISO-9227	ISO-9227	ISO-9227
Safety	Certifications		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crank-case heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crank-case heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crank-case heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crank-case heating, temperature limit protection logic, compressor overload sensing

SPECIFICATIONS

Free Joint Multi | Outdoor Specifications

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Free Joint Multi | Outdoor Specifications

Outdoor Units / Premium

Model	Outdoor Unit Model Number (US Code)		AJ020DXS3CG/AA (JXG20S3D)
Performance	Rated Capacity*	Cooling (Btu/h)	21,000
		Heating (Btu/h)	22,000
	Heating Capacity at 5°F OA, 70°F Indoor DB (Btu/h, Ducted)		22,000
	SEER2 (Ducted / Mixed / Non-ducted)		20.5 / 21.75 / 23
	EER2 (Ducted / Mixed / Non-ducted)		13.45 / 14.2 / 15
	HSPF2 (Ducted / Mixed / Non-ducted)		9.5 / 10 / 10.5
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Working Voltage Range (VAC)		187 - 253
	Nominal Current**	Cooling (A)	6.2
		Heating (A)	6.2
	Max. Breaker	Amps	40.0
	Min. Circuit Ampacity	Amps	35.9
Dimensions	W X H X D	In.	37 X 47 5/8 X 13
	Weight	lbs.	191.80
Sound Pressure Level	Cooling / Heating (high)		50 / 51
Operating Temperatures	Outdoor	Cooling	14 - 115°F (-10 - 46°C)
		Heating	-13 - 75°F (-25 - 24°C)
Pipe Connections	High side		1/4" X 3
	Low side (suction)		3/8" X 3
	Max. Individual Line Set Length	ft.	82
	Max. Line Set Length (total)	ft.	230
	Max. Vertical Separation	Outdoor to indoor (ft.)	49
		Highest to lowest indoor (ft.)	25
	Included Pipe Adapters		-
Refrigerant	Type		R-32
	Control Method		Electronic Expansion Valve (3)
	Factory Charge	oz.	109.3
	Charged for	ft.	230
Compressor	Type		Inverter Driven, Twin BLDC Rotary
	RLA	Amps	22.8
Condenser Fan	Type		BLDC With Axial Type Fan (2)
	MOC / Watts / CFM (max.)		1.2A X 2 / 125W X 2 / 3,320
Corrosion Prevention	**ISO-9227** - The condenser heat exchanger showed no unusual rust or corrosion development to 240 hours.		ISO-9227
Safety	Certifications		UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing

SPECIFICATIONS

Free Joint Multi | Outdoor Specifications

AJ024DXS4CG/AA (JXG24S4D)	AJ030DXS4CG/AA (JXG30S4D)	AJ036DXS4CG/AA (JXG36S4D)
25,000	28,400	34,000
25,000	28,600	36,600
25,000	28,600	34,600
20 / 21.5 / 23	20 / 21.25 / 22.5	18.5 / 20 / 21.5
13.5 / 14 / 14.55	13 / 13.25 / 13.5	11.7 / 12.1 / 12.5
9.5 / 9.95 / 10.4	9.5 / 9.75 / 10	8.5 / 9 / 9.5
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
187 - 253	187 - 253	187 - 253
7.6	9.3	12.1
6.9	9.3	11.3
40.0	40.0	40.0
35.9	35.9	35.9
37 X 47 5/8 X 13	37 X 47 5/8 X 13	37 X 47 5/8 X 13
194.00	194.00	194.00
51 / 52	52 / 53	52 / 53
14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)	14 - 115°F (-10 - 46°C)
-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)	-13 - 75°F (-25 - 24°C)
1/4" X 4	1/4" X 4	1/4" X 4
3/8" X 2 + 1/2" X 2	3/8" X 2 + 1/2" X 2	3/8" X 2 + 1/2" X 2
82	82	82
230	230	230
49	49	49
25	25	25
2 - 1/2" X 3/8"	2 - 1/2" X 3/8", 1 - 1/2" X 5/8"	3 - 1/2" X 3/8", 2 - 1/2" X 5/8"
R-32	R-32	R-32
Electronic Expansion Valve (4)	Electronic Expansion Valve (4)	Electronic Expansion Valve (4)
109.3	109.3	109.3
230	230	230
Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary	Inverter Driven, Twin BLDC Rotary
22.8	22.8	22.8
BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)	BLDC With Axial Type Fan (2)
1.2A X 2 / 125W X 2 / 3,320	1.2A X 2 / 125W X 2 / 3,320	1.2A X 2 / 125W X 2 / 3,320
ISO-9227	ISO-9227	ISO-9227
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing

SPECIFICATIONS

Free Joint Multi | Indoor Specifications



WindFree™ Standard

RDS not available

WindFree™

Model	US Code		RNX07AMD	RNX09AMD
	Model Number		AR07DXFAMWKNCV	AR09DXFAMWKNCV
Performance	Nominal Capacity	Cooling (Btu/h)	7,000	9,000
		Heating (Btu/h)	7,500	11,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.3	0.3
		Heating (A)	0.3	0.3
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	FLA	Amps	0.12	0.12
	Consumption	Watts	27	27
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	309 / 322 / 336 / 350	309 / 337 / 364 / 378
		Heating (CFM)	340 / 354 / 368 / 381	340 / 368 / 382 / 396
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Available	Not Available
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	3/8	3/8
	Condensate Connection		11/16" OD	11/16" OD
Dimensions	W X H X D	In.	32 5/16 X 11 3/4 X 8 7/16	32 5/16 X 11 3/4 X 8 7/16
	Weight	lbs.	20.28	20.30
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Sound Pressure Level	Silent / High	dB(A)	23 / 37	23 / 37
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Free Joint Multi | Indoor Specifications

RNX12AMD	RNX15AMD	RNX18AMD	RNX24AMD
AR12DXFAMWKNCV	AR15DXFAMWKNCV	AR18DXFAMWKNCV	AR24DXFAMWKNCV
12,000	15,000	18,000	22,000
12,000	15,000	21,000	24,000
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
0.3	0.5	0.5	0.5
0.3	0.5	0.5	0.5
BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
0.12	0.12	0.12	0.12
27	27	27	27
340 / 368 / 382 / 396	401 / 435 / 469 / 486	401 / 435 / 469 / 486	465 / 525 / 584 / 623
343 / 371 / 399 / 413	465 / 525 / 584 / 623	465 / 525 / 584 / 623	470 / 529 / 589 / 629
R-32	R-32	R-32	R-32
Not Included	Not Included	Not Included	Not Included
1/4	1/4	1/4	1/4
3/8	1/2	1/2	5/8
11/16" OD	11/16" OD	11/16" OD	11/16" OD
32 5/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16
20.30	25.40	25.40	25.40
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
23 / 38	30 / 41	30 / 41	30 / 45
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Free Joint Multi | Indoor Specifications



WindFree™ Standard

RDS factory-installed

Model	US Code		JNG07ADD	JNG09ADD
	Model Number		AJ007DNADCG/AA	AJ009DNADCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	7,000	9,000
		Heating (Btu/h)	7,500	11,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.3	0.3
		Heating (A)	0.3	0.3
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	FLA	Amps	0.12	0.12
	Consumption	Watts	27	27
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	309 / 322 / 336 / 350	309 / 337 / 364 / 378
		Heating (CFM)	340 / 354 / 368 / 381	340 / 368 / 382 / 396
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Integral	Integral
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	3/8	3/8
	Condensate Connection		11/16" OD	11/16" OD
Dimensions	W X H X D	In.	32 5/16 X 11 3/4 X 8 7/16	32 5/16 X 11 3/4 X 8 7/16
	Weight	lbs.	19.60	19.60
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Sound Pressure Level	Low / Med. / High	dB(A)	23 / 37	23 / 37
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Free Joint Multi | Indoor Specifications

JNG12ADD	JNG15ADD	JNG18ADD	JNG24ADD
AJ012DNADCG/AA	AJ015DNADCG/AA	AJ018DNADCG/AA	AJ024DNADCG/AA
12,000	15,000	18,000	22,000
12,000	15,000	21,000	24,000
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
0.3	0.5	0.5	0.5
0.3	0.5	0.5	0.5
BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
0.12	0.12	0.12	0.12
27	27	27	27
340 / 368 / 382 / 396	401 / 435 / 469 / 486	401 / 435 / 469 / 486	465 / 525 / 584 / 623
343 / 371 / 399 / 413	465 / 525 / 584 / 623	465 / 525 / 584 / 623	470 / 529 / 589 / 629
R-32	R-32	R-32	R-32
Integral	Integral	Integral	Integral
1/4	1/4	1/4	1/4
3/8	1/2	1/2	5/8
11/16" OD	11/16" OD	11/16" OD	11/16" OD
32 5/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16
19.60	25.40	25.40	25.40
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
23 / 38	30 / 41	30 / 41	30 / 45
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Free Joint Multi | Indoor Specifications



WindFree™ Premium

WindFree™

Model	US Code		RNX07AFD	RNX09ABD
	Model Number		AR07DXDAFWKNCV	AR09DXDABWKNCV
Performance	Nominal Capacity	Cooling (Btu/h)	7,000	9,000
		Heating (Btu/h)	7,500	11,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.4	0.4
		Heating (A)	0.4	0.4
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	FLA	Amps	0.12	0.12
	Consumption	Watts	27	27
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	258 / 297 / 323 / 350	258 / 298 / 337 / 364
		Heating (CFM)	288 / 328 / 355 / 381	289 / 329 / 369 / 396
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	3/8	3/8
	Condensate Connection		11/16" OD	11/16" OD
Dimensions	W X H X D	In.	35 X 11 3/4 X 8 7/16	35 X 11 3/4 X 8 7/16
	Weight	lbs.	23.10	23.10
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Sound Pressure Level	Silent / High	dB(A)	22 / 34	23 / 38
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Free Joint Multi | Indoor Specifications

RNX12ABD	RNX15AFD	RNX18ABD	RNX24ABD
AR12DXDABWKNCV	AR15DXDAFWKNCV	AR18DXDABWKNCV	AR24DXDABWKNCV
12,000	15,000	18,500	22,000
12,000	18,000	20,000	25,000
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
0.4	0.4	0.5	0.5
0.4	0.4	0.5	0.5
BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
0.12	0.12	0.12	0.12
27	27	27	27
250 / 301 / 340 / 378	260 / 313 / 366 / 406	427 / 481 / 536 / 572	484 / 560 / 636 / 711
282 / 335 / 374 / 413	279 / 331 / 383 / 422	447 / 501 / 556 / 592	490 / 566 / 643 / 719
R-32	R-32	R-32	R-32
Not Included	Not Included	Not Included	Not Included
1/4	1/4	1/4	1/4
3/8	3/8	1/2	5/8
11/16" OD	11/16" OD	11/16" OD	11/16" OD
35 X 11 3/4 X 8 7/16	35 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16	41 9/16 X 11 3/4 X 8 7/16
23.10	23.10	27.30	27.30
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
23 / 39	23 / 40	28 / 42	28 / 47
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Free Joint Multi | Indoor Specifications



WindFree™ IAQ

WindFree™

Model	US Code		RNX07APD	RNX09APD
	Model Number		AR07DXKAPWKNCV	AR09DXKAPWKNCV
Performance	Nominal Capacity	Cooling (Btu/h)	7,000	9,000
		Heating (Btu/h)	7,500	11,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.3	0.3
		Heating (A)	0.3	0.3
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	FLA	Amps	0.12	0.12
	Consumption	Watts	27	27
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	309 / 322 / 336 / 350	309 / 337 / 364 / 378
		Heating (CFM)	340 / 354 / 368 / 381	340 / 368 / 382 / 396
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Not Included	Not Included
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	3/8	3/8
	Condensate Connection		11/16" OD	11/16" OD
Dimensions	W X H X D	In.	32 5/16 X 13 9/16 X 8 7/16	32 5/16 X 13 9/16 X 8 7/16
	Weight	lbs.	23.10	23.10
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Sound Pressure Level	Silent / High	dB(A)	23 / 37	23 / 37
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Free Joint Multi | Indoor Specifications

RNX12APD	RNX15APD	RNX18APD	RNX24APD
AR12DXKAPWKNCV	AR15DXKAPWKNCV	AR18DXKAPWKNCV	AR24DXKAPWKNCV
12,000	15,000	18,000	22,000
12,000	15,000	21,000	24,000
1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
0.3	0.5	0.5	0.5
0.3	0.5	0.5	0.5
BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
0.12	0.12	0.12	0.12
27	27	27	27
340 / 368 / 382 / 396	401 / 435 / 469 / 486	401 / 435 / 469 / 486	465 / 525 / 584 / 623
343 / 371 / 399 / 413	465 / 525 / 584 / 623	465 / 525 / 584 / 623	470 / 529 / 589 / 629
R-32	R-32	R-32	R-32
Not Included	Not Included	Not Included	Not Included
1/4	1/4	1/4	1/4
3/8	1/2	1/2	5/8
11/16" OD	11/16" OD	11/16" OD	11/16" OD
32 5/16 X 13 9/16 X 8 7/16	41 9/16 X 13 9/16 X 8 7/16	41 9/16 X 13 9/16 X 8 7/16	41 9/16 X 13 9/16 X 8 7/16
23.10	28.90	28.90	28.90
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
23 / 38	30 / 41	30 / 41	30 / 45
UL 60335-2-40	UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Free Joint Multi | Indoor Specifications



WindFree™ Mini 4-Way Cassette

Model	US Code		CNG09NDD
	Model Number		AC009DNNDCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	9,100
		Heating (Btu/h)	10,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.3
		Heating (A)	0.3
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)
	Output	Watts	65
Airflow	Air Volume (L/M/H)	Cooling (CFM)	212 / 247 / 283
		Heating (CFM)	212 / 247 / 283
Refrigerant	Type		R-32
	A2L Leak Detection		Integral
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4
		Low side (In.)	3/8
	Condensate Connection		1 1/4 in. OD, 1 in. ID
Dimensions	W X H X D	In.	22 5/8 X 9 13/16 X 22 5/8
	Weight	lbs.	25.40
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)
Sound Pressure Level	Low/Med./High	dB(A)	25 / 28 / 31
Safety	Certifications		UL 60335-2-40
Fascia Panel	L X W X H	In.	24 3/8 X 24 3/8 X 2 3/8
	Weight	lbs.	6

SPECIFICATIONS

Free Joint Multi | Indoor Specifications

CNG12NDD	CNG18NDD
AC012DNNDCG/AA	AC018DNNDCG/AA
12,000	17,000
14,000	20,000
1 / 208-230 / 60	1 / 208-230 / 60
0.3	0.3
0.3	0.3
BLDC (1) With Turbo Type Fan (1)	BLDC (1) With Turbo Type Fan (1)
65	65
226 / 283 / 325	300 / 336 / 371
226 / 283 / 325	300 / 336 / 371
R-32	R-32
Integral	Integral
1/4	1/4
3/8	1/2
1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
22 5/8 X 9 13/16 X 22 5/8	22 5/8 X 9 13/16 X 22 5/8
25.40	25.40
64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
25 / 30 / 34	29 / 34 / 39
UL 60335-2-40	UL 60335-2-40
24 3/8 X 24 3/8 X 2 3/8	24 3/8 X 24 3/8 X 2 3/8
6	6

Free Joint Multi | Indoor Specifications



WindFree™ 1-Way Cassette

WindFree™

Model	US Code		CNG091DD	CNG121DD
	Model Number		AC009DN1DCG/AA	AC012DN1DCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	9,000	12,000
		Heating (Btu/h)	12,000	14,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.26	0.26
		Heating (A)	0.26	0.26
Evaporator Fan	Type		BLDC motor with cross-flow fan	BLDC motor with cross-flow fan
	Output	Watts	27.0	27.0
Airflow	Air Volume (L/M/H)	Cooling (CFM)	205 / 230 / 258	254 / 290 / 318
		Heating (CFM)	205 / 230 / 258	254 / 290 / 318
Refrigerant	Type		R-32	R-32
	A2L Leak Detection		Integral	Integral
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4
		Low side (In.)	3/8	3/8
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Dimensions	W X H X D	In.	38 3/16 X 5 5/16 X 16 1/8	38 3/16 X 5 5/16 X 16 1/8
	Weight	lbs.	19.80	19.80
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Sound Pressure Level	Low/Med./High	dB(A)	26 / 29 / 32	29 / 32 / 35
Safety	Certifications		UL 60335-2-40	UL 60335-2-40
Fascia Panel	L X W X H	In.	47 3/16 X 19 11/16 X 1 3/8	47 3/16 X 19 11/16 X 1 3/8
	Weight	lbs.	9.5	9.5

SPECIFICATIONS

Free Joint Multi | Indoor Specifications

SPECIFICATIONS

Free Joint Multi | Indoor Specifications



Console

Model	US Code		CNG09JDD	CNG12JDD	CNG15JDD	CNG18JDD
	Model Number		AC009DNJDCG/AA	AC012DNJDCG/AA	AC015DNJDCG/AA	AC018DNJDCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	9,000	10,200	15,000	16,000
		Heating (Btu/h)	10,100	13,000	18,000	19,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	0.49	0.49	0.49	0.49
		Heating (A)	0.49	0.49	0.49	0.49
Evaporator Fan	Type		BLDC motor with turbo fan	BLDC motor with turbo fan	BLDC motor with turbo fan	BLDC motor with turbo fan
	Consumption	Watts	35	35	0	35
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	212 / 240 / 265	219 / 254 / 300	240 / 276 / 318	261 / 297 / 332
		Heating (CFM)	219 / 254 / 300	254 / 290 / 318	311 / 343 / 378	300 / 343 / 388
Refrigerant	Type		R-32	R-32	R-32	R-32
	A2L Leak Detection		Integral	Integral	Integral	Integral
Pipe Connections	Indoor & Outdoor	High side (In.)	1/4	1/4	1/4	1/4
		Low side (In.)	3/8	3/8	1/2	1/2
	Condensate Connection		ID 11/16"	ID 11/16"	ID 11/16"	ID 11/16"
Dimensions	W X H X D	In.	28 3/8 X 24 3/8 X 7 13/16	28 3/8 X 24 3/8 X 7 13/16	28 3/8 X 24 7/16 X 7 13/16	28 3/8 X 24 3/8 X 7 13/16
	Weight	lbs.	34.60	34.60	35.70	35.10
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Sound Pressure Level	Low / Med. / High	dB(A)	29 / 31 / 35	33 / 35 / 38	35 / 39 / 42	35 / 39 / 43
Safety	Certifications		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
	Devices		PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing
	Battery Chemistry		(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion	(Remote Control only) Lithium Ion

SPECIFICATIONS

Free Joint Multi | Indoor Specifications

SPECIFICATIONS

Free Joint Multi | Indoor Specifications



Slim Duct

Model	US Code		CNG09LDD	CNG12LDD	CNG18LDD
	Model Number		AC009DNLDCG/AA	AC012DNLDCG/AA	AC018DNLDCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	9,000	12,000	17,500
		Heating (Btu/h)	12,000	14,000	20,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	1.06	1.06	1.06
		Heating (A)	1.06	1.06	1.06
Evaporator Fan	Type		BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)
	Consumption	Watts	84	84	84
	External Static Pressure	Standard (“WC)	0.10	0.10	0.10
		Min. / Max. (“WC)	0.01 / 0.24	0.01 / 0.24	0.01 / 0.24
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	247 / 283 / 325	325 / 385 / 456	353 / 459 / 601
		Heating (CFM)	247 / 283 / 325	325 / 385 / 456	353 / 459 / 601
Refrigerant	Type		R-32	R-32	R-32
	A2L Leak Detection		Optional Accessory	Optional Accessory	Optional Accessory
Pipe Connections	Indoor & Outdoor	High side	1/4	1/4	1/4
		Low side	3/8	3/8	1/2
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Dimensions	W X H X D	In.	35 7/16 X 7 13/16 X 17 5/16	35 7/16 X 7 13/16 X 17 5/16	43 5/16 X 7 13/16 X 17 5/16
	Weight	lbs.	42.30	42.30	49.60
	Duct Connections (W X H)	Supply (in.)	29 3/16 X 5 15/16	29 3/16 X 5 15/16	37 1/16 X 5 7/8
		Return (ID, in.)	30 5/8 X 6 5/8 (inside)	30 5/8 X 6 5/8 (inside)	38 1/2 X 6 5/8 (inside)
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Sound Pressure Level	Low / Med. / High	dB(A)	26 / 30 / 33	27 / 31 / 34	28 / 32 / 35
Safety	Certifications		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS

Free Joint Multi | Indoor Specifications

SPECIFICATIONS

Free Joint Multi | Indoor Specifications



Duct S

Model	US Code		JNG09HDD	JNG12HDD	JNG15HDD	JNG18HDD
	Model Number		AJ009DNHDCG/AA	AJ012DNHDCG/AA	AJ015DNHDCG/AA	AJ018DNHDCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	9,000	12,000	15,000	18,000
		Heating (Btu/h)	12,000	14,000	18,000	21,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	2.1	2.1	2.1	2.1
		Heating (A)	2.1	2.1	2.1	2.1
Evaporator Fan	Type		BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)
	Consumption	Watts	153	153	153	153
	External Static Pressure	Standard (“WC)	0.60	0.60	0.60	0.60
		Min. / Max. (“WC)	0.1 / 0.6	0.1 / 0.6	0.1 / 0.6	0.1 / 0.6
Airflow	Air Volume (L/M/H)	Cooling (CFM)	279 / 364 / 456	318 / 410 / 516	325 / 417 / 544	332 / 424 / 579
		Heating (CFM)	279 / 364 / 456	318 / 410 / 516	325 / 417 / 544	332 / 424 / 579
Refrigerant	Type		R-32	R-32	R-32	R-32
Pipe Connections	Indoor & Outdoor	High side	1/4	1/4	1/4	1/4
		Low side	3/8	3/8	3/8	1/2
	Condensate Connection		1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID	1 1/4 in. OD, 1 in. ID
Dimensions	W X H X D	In.	33 7/16 X 9 13/16 X 27 9/16	33 7/16 X 9 13/16 X 27 9/16	33 7/16 X 9 13/16 X 27 9/16	33 7/16 X 9 13/16 X 27 9/16
	Weight	lbs.	56.20	56.20	56.20	56.20
	Duct Connections (W X H)	Supply (in.)	32 3/16 X 8 11/16	32 3/16 X 8 11/16	32 3/16 X 8 11/16	32 3/16 X 8 11/16
		Return (ID, in.)	33 3/16 X 8 11/16	33 3/16 X 8 11/16	33 3/16 X 8 11/16	33 3/16 X 8 11/16
Sound Pressure Level	Low / Med. / High	dB(A)	23 / 27 / 30	25 / 28 / 31	25 / 29 / 33	32 / 36 / 40
Safety	Certifications		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS

Free Joint Multi | Indoor Specifications

SPECIFICATIONS

Free Joint Multi | Indoor Specifications



Multi-Position Air Handler

Model	US Code		JNG12ZDD	JNG18ZDD	JNG24ZDD
	Model Number		AJ012DNZDCG/AA	AJ018DNZDCG/AA	AJ024DNZDCG/AA
Performance	Nominal Capacity	Cooling (Btu/h)	12,000	18,000	24,000
		Heating (Btu/h)	13,500	20,000	27,000
Power	Voltage	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	Operating Current (max.)	Cooling (A)	1.5	1.5	1.5
		Heating (A)	1.5	1.5	1.5
Evaporator Fan	Type		Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan	Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan	Constant Torque With Double-inlet, Forward Curve, Centrifugal Fan
	Output	Watts	153	153	153
	External Static Pressure	Standard (“WC)	0.40	0.58	0.58
		Min. / Max. (“WC)	0.1 / 0.5	0 / 0.8	0 / 0.8
Airflow	Air Volume (L/M/H)	Cooling (CFM)	244 / 286 / 374	495 / 530 / 600	548 / 636 / 759
		Heating (CFM)	244 / 286 / 374	495 / 530 / 600	548 / 636 / 759
Refrigerant	Type		R-32	R-32	R-32
	A2L Leak Detection		Integral	Integral	Integral
Pipe Connections	Indoor & Outdoor	High side	1/4	1/4	1/4
		Low side	3/8	1/2	5/8
	Condensate Connection		3/4” FNPT	3/4” FNPT	3/4” FNPT
Dimensions	W X H X D	In.	17 1/2 X 43 X 21	17 1/2 X 43 X 21	17 1/2 X 43 X 21
	Weight	lbs.	95.90	98.10	98.10
	Duct Connections (W X H)	Supply (in.)	12 1/2 X 15 1/2	12 1/2 X 15 1/2	12 1/2 X 15 1/2
		Return (ID, in.)	17 1/2 X 21	17 1/2 X 21	17 1/2 X 21
Operating Temperatures	Indoor	Cooling	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)	64 ~ 90°F (16 ~ 32°C)
		Heating	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)	T ≤ 86°F (30°C)
Sound Pressure Level	Low / Med. / High	dB(A)	32 / 34 / 36	34 / 37 / 40	37 / 40 / 43
Safety	Certifications		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40

SPECIFICATIONS

Free Joint Multi | Indoor Specifications

Free Joint Multi | Compatibility & Combination Tables



20K Btu Outdoor Unit / Standard

Model No. AJ020DXJ2CG/AA

Indoor Unit Compatibility Table

AJ020DXJ2CG/AA								
Type	Model	Capacity (K Btu/h)						
		7	9	12	15	18	24	
WindFree™ Premium High-wall	AR**DXDA*WKNCV	•	•	•	•	-	-	
WindFree™ IAQ High-wall	AR**DXKAPWKNCV	•	•	•	•	-	-	
WindFree™ Standard High-wall with Refrigerant Leak Detection	AJ0**DNADCG/AA	•	•	•	•	-	-	
WindFree™ Standard High-wall without Refrigerant Leak Detection	AR**DXDAFWKNCV	•	•	•	•	-	-	
Duct S*	AJ0**DNHDCG/AA	-	•	•	-	-	-	
Multi-Position AHU*	AJ0**DNZDCG/AA	-	-	•	-	-	-	
Slim Duct	AC0**DNLDCG/AA	-	•	•	-	-	-	
WindFree™ Mini 4-Way Cassette	AC0**DNNDCG/AA	-	•	•	-	-	-	
WindFree™ 1-Way Cassette	AC0**DN1DCG/AA	-	•	•	-	-	-	
Console	AC0**DNJDCG/AA	-	•	•	•	-	-	

Indoor Unit Combination Tables

AJ020DXJ2CG/AA (Capacity Index: 20)				
Unit Qty.	Indoor Nominal Capacity (K Btu/h)		Duct S / MPAH Compatibility**	Connected Capacity (K Btu/h)
	A	B		
2	7	7	-	14
	7	9	•	16
	7	12	•	19
	7	15	-	22
	9	9	•	18
	9	12	•	21
	9	15	-	24
	12	12	-	24
	12	15	-	27

Duct S and MPAH Connection Notes

1. Only 2 X MPAH (AJ0**DNZDCG/AA) OR 2 X Duct S (AJ0**DNHDCG/AA) unit can be connected to a single FJM outdoor unit.
2. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.SamsungHVAC.com.

* Restrictions apply. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.samsunghvac.com.
** Combatable combination that includes 1 X MPAH (AJ0**DNZDCG/AA) OR 1 X Duct S (AJ0**DNHDCG/AA) unit.
Samsung HVAC maintains a policy of ongoing development. Specifications are subject to change without notice.

COMPATIBILITY & COMBINATION TABLES

Free Joint Multi | Compatibility & Combination Tables



24K Btu Outdoor Unit / Standard

Model No. AJ024DXJ3CG/AA

Indoor Unit Compatibility Table

AJ024DXJ3CG/AA								
Type	Model	Capacity (K Btu/h)						
		7	9	12	15	18	24	
WindFree™ Premium High-wall	AR**DXDA*WKNCV	•	•	•	•	•	-	
WindFree™ IAQ High-wall	AR**DXKAPWKNCV	•	•	•	•	•	-	
WindFree™ Standard High-wall with Refrigerant Leak Detection	AJ0**DNADCG/AA	•	•	•	•	•	-	
WindFree™ Standard High-wall without Refrigerant Leak Detection	AR**DXFAMWKNCV	•	•	•	•	•		
Duct S*	AJ0**DNHDCG/AA	-	•	•	•	-	-	
Multi-Position AHU*	AJ0**DNZDCG/AA	-	-	•	-	-	-	
Slim Duct	AC0**DNLDCG/AA	-	•	•	-	•	-	
WindFree™ Mini 4-Way Cassette	AC0**DNNDCG/AA	-	•	•	-	•	-	
WindFree™ 1-Way Cassette	AC0**DN1DCG/AA	-	•	•	-	-	-	
Console	AC0**DNJDCG/AA	-	•	•	•	•	-	

Indoor Unit Combination Tables

AJ024DXJ3CG/AA (Capacity Index: 24)					
Unit Qty.	Indoor Nominal Capacity (K Btu/h)			Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C		
2	7	7	-		14
	7	9	-	•	16
	7	12	-	•	19
	7	15	-	•	22
	7	18	-	-	25
	9	9	-	•	18
	9	12	-	•	21
	9	15	-	•	24
	9	18	-	-	27
	12	12	-	•	24
	12	15	-	-	27
	12	18	-	-	30
	15	15	-	-	30

AJ024DXJ3CG/AA (Capacity Index: 24)					
Unit Qty.	Indoor Nominal Capacity (K Btu/h)			Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C		
3	7	7	7	-	21
	7	7	9	-	23
	7	7	12	-	26
	7	7	15	-	29
	7	9	9	-	25
	7	9	12	-	28
	7	9	15	-	31
	9	9	9	-	27
	9	9	12	-	30

* Restrictions apply. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.SamsungHVAC.com.
Samsung HVAC maintains a policy of ongoing development. Specifications are subject to change without notice.

**** Duct S and MPAH Connection Notes**

- Compatible combination that includes up to two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units.
- If the combination includes two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units, no other indoor units can be connected.
- If one (1) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) unit is connected, other indoor unit types (Slim Duct, cassette, high-wall, console) can be connected and the total sum of the indoor unit nominal capacity cannot exceed the system index noted above and the maximum indoor unit quantity will be reduced by one (1) unit.

COMPATIBILITY

Free Joint Multi | Compatibility



36K Btu Outdoor Unit / Standard

Model No. AJ036DXJ4CG/AA

Indoor Unit Compatibility Table

AJ036DXJ4CG/AA								
Type	Model	Capacity (K Btu/h)						
		7	9	12	15	18	24
WindFree™ Premium High-wall	AR**DXDA*WKNCV	•	•	•	•	•	•
WindFree™ IAQ High-wall	AR**DXKAPWKNCV	•	•	•	•	•	•
WindFree™ Standard High-wall with Refrigerant Leak Detection	AJ0**DNADCG/AA	•	•	•	•	•	•
WindFree™ Standard High-wall without Refrigerant Leak Detection	AR**DXFAMWKNCV	•	•	•	•	•	•
Duct S*	AJ0**DNHDCG/AA	-	•	•	•	•	-
Multi-Position AHU*	AJ0**DNZDCG/AA	-	-	•	-	•	•
Slim Duct	AC0**DNLDCG/AA	-	•	•	-	•	-
WindFree™ Mini 4-Way Cassette	AC0**DNNDCG/AA	-	•	•	-	•	-
WindFree™ 1-Way Cassette	AC0**DN1DCG/AA	-	•	•	-	-	-
Console	AC0**DNJDCG/AA	-	•	•	•	•	-

Samsung HVAC maintains a policy of ongoing development. Specifications are subject to change without notice.
* Restrictions apply. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.samsunghvac.com.

COMBINATION TABLES

Free Joint Multi | Combination Tables

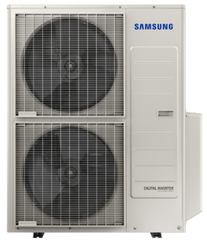
Indoor Unit Combination Tables

AJ036DXJ4CG/AA (Capacity Index: 36)															
Unit Qty.	Indoor Nominal Capacity (K Btu/h)				Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)	Unit Qty.	Indoor Nominal Capacity (K Btu/h)				Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C	D				A	B	C	D		
2	7	7				14	2	9	24			•	33
	7	9			•	16		12	12			•	24
	7	12			•	19		12	15			•	27
	7	15			•	22		12	18			•	30
	7	18			•	25		12	24			•	36
	7	24			•	31		15	15			•	30
	9	9			•	18		15	18			•	33
	9	12			•	21		15	24				39
	9	15			•	24		18	18			•	36
	9	18			•	27		18	24				42
3	7	7	7			21	3	9	9	9		•	27
	7	7	9		•	23		9	9	12		•	30
	7	7	12		•	26		9	9	15		•	33
	7	7	15		•	29		9	9	18		•	36
	7	7	18		•	32		9	9	24			39
	7	7	24			38		9	12	12		•	33
	7	9	9		•	25		9	12	15		•	36
	7	9	12		•	28		9	12	18			39
	7	9	15		•	31		9	12	24			45
	7	9	18		•	34		9	15	15			39
	7	9	24			40		9	15	18			42
	7	12	12		•	31		9	18	18			45
	7	12	15		•	34		12	12	12		•	36
	7	12	18			37		12	12	15			39
	7	12	24			40		12	12	18			42
	7	15	15			37		12	15	15			42
	7	15	18			40		12	15	18			45
	7	18	18			43		15	15	15			45
4	7	7	7	7		28	4	7	9	9	9		34
	7	7	7	9		30		7	9	9	12		37
	7	7	7	12		33		7	9	9	15		40
	7	7	7	15		36		7	9	9	18		43
	7	7	7	18		39		7	9	12	12		40
	7	7	7	24		45		7	9	12	15		43
	7	7	9	9		32		7	12	12	12		43
	7	7	9	12		35		9	9	9	9		36
	7	7	9	15		38		9	9	9	12		39
	7	7	9	18		41		9	9	9	15		42
	7	7	12	12		38		9	9	9	18		45
	7	7	12	15		41		9	9	12	12		42
	7	7	12	18		44		9	9	12	15		45
	7	7	15	15		44		9	12	12	12		45

*** Duct S and MPAH Connection Notes**
- Combatable combination that includes up to two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units.
- If the combination includes two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units, no other indoor units can be connected.
- If one (1) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) unit is connected, other indoor unit types (Slim Duct, cassette, high-wall, console) can be connected and the total sum of the indoor unit nominal capacity cannot exceed the system index noted above and the maximum indoor unit quantity will be reduced by one (1) unit.

COMPATIBILITY

Free Joint Multi | Compatibility



48K Btu Outdoor Unit / Standard

Model No. AJ048DXJ5CG/AA

Indoor Unit Compatibility Table

AJ048DXJ5CG/AA								
Type	Model	Capacity (K Btu/h)						
		7	9	12	15	18	24
WindFree™ Premium High-wall	AR**DXDA*WKNCV	•	•	•	•	•	•
WindFree™ IAQ High-wall	AR**DXKAPWKNCV	•	•	•	•	•	•
WindFree™ Standard High-wall with Refrigerant Leak Detection	AJ0**DNADCG/AA	•	•	•	•	•	•
WindFree™ Standard High-wall without Refrigerant Leak Detection	AR**DXFAMWKNCV	•	•	•	•	•	•
Duct S*	AJ0**DNHDCG/AA	-	•	•	•	•	-
Multi-Position AHU*	AJ0**DNZDCG/AA	-	-	•	-	•	•
Slim Duct	AC0**DNLDCG/AA	-	•	•	-	•	-
WindFree™ Mini 4-Way Cassette	AC0**DNNDCG/AA	-	•	•	-	•	-
WindFree™ 1-Way Cassette	AC0**DN1DCG/AA	-	•	•	-	-	-
Console	AC0**DNJDCG/AA	-	•	•	•	•	-

* Restrictions apply. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.samsunghvac.com.
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COMBINATION TABLES

Free Joint Multi | Combination Tables



Indoor Unit Combination Tables

AJ048DXJ5CG/AA (Capacity Index: 48)							
Unit Qty.	Indoor Nominal Capacity (K Btu/h)					Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C	D	E		
2	7	7					14
	7	9				•	16
	7	12				•	19
	7	15				•	22
	7	18				•	25
	7	24				•	31
	9	9				•	18
	9	12				•	21
	9	15				•	24
	9	18				•	27
3	7	7	7				21
	7	7	9			•	23
	7	7	12			•	26
	7	7	15			•	29
	7	7	18			•	32
	7	7	24			•	38
	7	9	9			•	25
	7	9	12			•	28
	7	9	15			•	31
	7	9	18			•	34
	7	9	24			•	40
	7	12	12			•	31
	7	12	15			•	34
	7	12	18			•	37
	7	12	24			•	43
	7	15	15			•	37
	7	15	18			•	40
	7	15	24			•	46
	7	18	18			•	43
	7	18	24				49
	7	24	24				55
	9	9	9			•	27
	9	9	12			•	30
	9	9	15			•	33
	9	9	18			•	36

Unit Qty.	Indoor Nominal Capacity (K Btu/h)					Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C	D	E		
2	9	24				•	33
	12	12				•	24
	12	15				•	27
	12	18				•	30
	12	24				•	36
	15	15				•	30
	15	18				•	33
	15	24				•	39
	18	18				•	36
	18	24				•	42
	24	24				•	48
3	9	9	24			•	42
	9	12	12			•	33
	9	12	15			•	36
	9	12	18			•	39
	9	12	24			•	45
	9	15	15			•	39
	9	15	18			•	42
	9	15	24			•	48
	9	18	18			•	45
	9	18	24				51
	9	24	24				57
	12	12	12			•	36
	12	12	15			•	39
	12	12	18			•	42
	12	12	24			•	48
	12	15	15			•	42
	12	15	18			•	45
	12	15	24				51
	12	18	18			•	48
	12	18	24				54
	15	15	15			•	45
	15	15	18			•	48
	15	15	24				54
	15	18	18				51
	15	18	24				57
	18	18	18				54

Combination tables continue on next page.

*** Duct S and MPAH Connection Notes**
- Combatable combination that includes up to two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units.
- If the combination includes two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units, no other indoor units can be connected.
- If one (1) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) unit is connected, other indoor unit types (Slim Duct, cassette, high-wall, console) can be connected and the total sum of the indoor unit nominal capacity cannot exceed the system index noted above and the maximum indoor unit quantity will be reduced by one (1) unit.

COMBINATION TABLES

Free Joint Multi | Combination Tables



Indoor Unit Combination Tables - Continued

AJ048DXJ5CG/AA (Capacity Index: 48)																	
Unit Qty.	Indoor Nominal Capacity (K Btu/h)					Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)	Unit Qty.	Indoor Nominal Capacity (K Btu/h)					Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C	D	E				A	B	C	D	E		
4	7	7	7	7			28	4	7	12	12	18			49
	7	7	7	9		•	30		7	12	12	24			55
	7	7	7	12		•	33		7	12	15	15			49
	7	7	7	15		•	36		7	12	15	18			52
	7	7	7	18		•	39		7	12	18	18			55
	7	7	7	24		•	45		7	15	15	15			52
	7	7	9	9		•	32		7	15	15	18			55
	7	7	9	12		•	35		9	9	9	9		•	36
	7	7	9	15		•	38		9	9	9	12		•	39
	7	7	9	18		•	41		9	9	9	15		•	42
	7	7	9	24		•	47		9	9	9	18		•	45
	7	7	12	12		•	38		9	9	9	24			51
	7	7	12	15		•	41		9	9	12	12		•	42
	7	7	12	18		•	44		9	9	12	15		•	45
	7	7	12	24			50		9	9	12	18		•	48
	7	7	15	15		•	44		9	9	12	24			54
	7	7	15	18		•	47		9	9	15	15		•	48
	7	7	15	24			53		9	9	15	18			51
	7	7	18	18			50		9	9	15	24			57
	7	7	18	24			56		9	9	18	18			54
	7	9	9	9		•	34		9	12	12	12		•	45
	7	9	9	12		•	37		9	12	12	15		•	48
	7	9	9	15		•	40		9	12	12	18			51
	7	9	9	18		•	43		9	12	12	24			57
	7	9	9	24			49		9	12	15	15			51
	7	9	12	12		•	40		9	12	15	18			54
	7	9	12	15		•	43		9	12	18	18			57
	7	9	12	18		•	46		9	15	15	15			54
	7	9	12	24			52		9	15	15	18			57
	7	9	15	15		•	46		12	12	12	12		•	48
	7	9	15	18			49		12	12	12	15			51
	7	9	15	24			55		12	12	12	18			54
	7	9	18	18			52		12	12	15	15			54
	7	12	12	12		•	43		12	12	15	18			57
	7	12	12	15		•	46		12	15	15	15			57

Combination tables continue on next page.

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COMBINATION TABLES

Free Joint Multi | Combination Tables



Indoor Unit Combination Tables - Continued

AJ048DXJ5CG/AA (Capacity Index: 48)																	
Unit Qty.	Indoor Nominal Capacity (K Btu/h)					Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)	Unit Qty.	Indoor Nominal Capacity (K Btu/h)					Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C	D	E				A	B	C	D	E		
5	7	7	9	9	15		47	5	9	9	9	12	12		51
	7	7	9	9	18		50		9	9	9	12	15		54
	7	7	9	9	24		56		9	9	9	12	18		57
	7	7	9	12	12		47		9	9	9	15	15		57
	7	7	9	12	15		50		9	9	12	12	12		54
	7	7	9	12	18		53		9	9	12	12	15		57
	7	7	9	15	15		53		9	12	12	12	12		57
	7	7	9	15	18		56		7	7	7	7	7		35
	7	7	12	12	12		50		7	7	7	7	9		37
	7	7	12	12	15		53		7	7	7	7	12		40
	7	7	12	12	18		56		7	7	7	7	15		43
	7	7	12	15	15		56		7	7	7	7	18		46
	7	9	9	9	9		43		7	7	7	7	24		52
	7	9	9	9	12		46		7	7	7	9	9		39
	7	9	9	9	15		49		7	7	7	9	12		42
	7	9	9	9	18		52		7	7	7	9	15		45
	7	9	9	12	12		49		7	7	7	9	18		48
	7	9	9	12	15		52		7	7	7	9	24		54
	7	9	9	12	18		55		7	7	7	12	12		45
	7	9	9	15	15		55		7	7	7	12	15		48
	7	9	12	12	12		52		7	7	7	12	18		51
	7	9	12	12	15		55		7	7	7	12	24		57
	7	12	12	12	12		55		7	7	7	15	15		51
	9	9	9	9	9		45		7	7	7	15	18		54
	9	9	9	9	12		48		7	7	7	18	18		57
	9	9	9	9	15		51		7	7	9	9	9		41
	9	9	9	9	18		54		7	7	9	9	12		44

Samsung HVAC maintains a policy of ongoing development. Specifications are subject to change without notice. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.samsunghvac.com.

*** Duct S and MPAH Connection Notes**

- Combatable combination that includes up to two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units.
- If the combination includes two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units, no other indoor units can be connected.
- If one (1) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) unit is connected, other indoor unit types (Slim Duct, cassette, high-wall, console) can be connected and the total sum of the indoor unit nominal capacity cannot exceed the system index noted above and the maximum indoor unit quantity will be reduced by one (1) unit.

Free Joint Multi | Compatibility & Combination Tables



20K Btu Outdoor Unit / Premium

Model No. AJ020DXS3CG/AA

Indoor Unit Compatibility Table

AJ020DXS3CG/AA							
Type	Model	Capacity (K Btu/h)					
		7	9	12	15	18	24
WindFree™ Premium High-wall	AR**DXDA*WKNCV	•	•	•	•	-	-
WindFree™ IAQ High-wall	AR**DXKAPWKNCV	•	•	•	•	-	-
WindFree™ Standard High-wall with Refrigerant Leak Detection	AJ0**DNADCG/AA	•	•	•	•	-	-
WindFree™ Standard High-wall without Refrigerant Leak Detection	AR**DXFAMWKNCV	•	•	•	•	-	-
Duct S*	AJ0**DNHDCG/AA	-	•	•	•	-	-
Multi-Position AHU*	AJ0**DNZDCG/AA	-	-	•	-	-	-
Slim Duct	AC0**DNLDCG/AA	-	•	•	-	-	-
WindFree™ Mini 4-Way Cassette	AC0**DNNDCG/AA	-	•	•	-	-	-
WindFree™ 1-Way Cassette	AC0**DN1DCG/AA	-	•	•	-	-	-
Console	AC0**DNJDCG/AA	-	•	•	•	-	-

Indoor Unit Combination Tables

AJ020DXS3CG/AA (Capacity Index: 21)					
Unit Qty.	Indoor Nominal Capacity (K Btu/h)			Duct S / MPAH Compatibility**	Connected Capacity (K Btu/h)
	A	B	C		
2	7	7	-	-	14
	7	9	-	•	16
	7	12	-	•	19
	7	15	-	-	22
	9	9	-	•	18
	9	12	-	•	21
	9	15	-	-	24
	12	12	-	-	24
	12	15	-	-	27
3	7	7	7	-	21
	7	7	9	-	23
	7	7	12	-	26
	7	9	9	-	25
	9	9	9	-	27

* Restrictions apply. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.SamsungHVAC.com.
Samsung HVAC maintains a policy of ongoing development. Specifications are subject to change without notice.

*** Duct S and MPAH Connection Notes**
- Compatible combination that includes up to two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units.
- If the combination includes two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units, no other indoor units can be connected.
- If one (1) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) unit is connected, other indoor unit types (Slim Duct, cassette, high-wall, console) can be connected and the total sum of the indoor unit nominal capacity cannot exceed the system index noted above and the maximum indoor unit quantity will be reduced by one (1) unit.

COMPATIBILITY & COMBINATION TABLES

Free Joint Multi | Compatibility & Combination Tables



24K Btu Outdoor Unit / Premium

Model No. AJ024DXJ3CG/AA

Indoor Unit Compatibility Table

AJ024DXS4CG/AA							
Type	Model	Capacity (K Btu/h)					
		7	9	12	15	18	24
WindFree™ Premium High-wall	AR**DXDA*WKNCV	•	•	•	•	•	-
WindFree™ IAQ High-wall	AR**DXKAPWKNCV	•	•	•	•	•	-
WindFree™ Standard High-wall with Refrigerant Leak Detection	AJ0**DNADCG/AA	•	•	•	•	•	-
WindFree™ Standard High-wall with Refrigerant Leak Detection	AR**DXFAMWKNCV	•	•	•	•	•	-
Duct *	AJ0**DNHDCG/AA	-	•	•	•	•	-
Multi-Position AHU*	AJ0**DNZDCG/AA	-	-	•	-	•	-
Slim Duct	AC0**DNLDCG/AA	-	•	•	-	•	-
WindFree™ Mini 4-Way Cassette	AC0**DNNDCG/AA	-	•	•	-	•	-
WindFree™ 1-Way Cassette	AC0**DN1DCG/AA	-	•	•	-	-	-
Console	AC0**DNJDCG/AA	-	•	•	•	•	-

Indoor Unit Combination Tables

AJ024DXS4CG/AA (Capacity Index: 24)					
Unit Qty.	Indoor Nominal Capacity (K Btu/h)			Duct S / MPAH Compatibility**	Connected Capacity (K Btu/h)
	A	B	C		
2	7	7	-	-	14
	7	9	-	•	16
	7	12	-	•	19
	7	15	-	•	22
	7	18	-	-	25
	9	9	-	•	18
	9	12	-	•	21
	9	15	-	•	24
	9	18	-	-	27
	12	12	-	•	24
	12	15	-	-	27
	12	18	-	-	30
	15	15	-	-	30

AJ024DXS4CG/AA (Capacity Index: 24)						
Unit Qty.	Indoor Nominal Capacity (K Btu/h)				Duct S / MPAH Compatibility**	Connected Capacity (K Btu/h)
	A	B	C			
3	7	7	7	-	-	21
	7	7	9	-	•	23
	7	7	12	-	-	26
	7	7	15	-	-	29
	7	9	9	-	-	25
	7	9	12	-	-	28
	7	9	15	-	-	31
	9	9	9	-	-	27
	9	9	12	-	-	30
4	7	7	7	7	-	28
	7	7	7	9	-	30
	7	7	9	9	-	32

* Restrictions apply. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.SamsungHVAC.com.
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**** Duct S and MPAH Connection Notes**
- Compatible combination that includes up to two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units.
- If the combination includes two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units, no other indoor units can be connected.
- If one (1) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) unit is connected, other indoor unit types (Slim Duct, cassette, high-wall, console) can be connected and the total sum of the indoor unit nominal capacity cannot exceed the system index noted above and the maximum indoor unit quantity will be reduced by one (1) unit.

COMPATIBILITY

Free Joint Multi | Compatibility



30K Btu Outdoor Unit / Premium

Model No. AJ030DXS3CG/AA

Indoor Unit Compatibility Table

AJ030DXS4CG/AA								
Type	Model	Capacity (K Btu/h)						
		7	9	12	15	18	24	
WindFree™ Premium High-wall	AR**DXDA*WKNCV	•	•	•	•	•	•	
WindFree™ IAQ High-wall	AR**DXKAPWKNCV	•	•	•	•	•	•	
WindFree™ Standard High-wall with Refrigerant Leak Detection	AJ0**DNADCG/AA	•	•	•	•	•	•	
WindFree™ Standard High-wall without Refrigerant Leak Detection	AR**DXFAMWKNCV	•	•	•	•	•	•	
Duct S*	AJ0**DNHDCG/AA	-	•	•	•	•	-	
Multi-Position AHU*	AJ0**DNZDCG/AA	-	-	•	-	•	•	
Slim Duct	AC0**DNLDCG/AA	-	•	•	-	•	-	
WindFree™ Mini 4-Way Cassette	AC0**DNNDCG/AA	-	•	•	-	•	-	
WindFree™ 1-Way Cassette	AC0**DN1DCG/AA	-	•	•	-	-	-	
Console	AC0**DNJDCG/AA	-	•	•	•	•	-	

* Restrictions apply. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.SamsungHVAC.com.
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COMBINATION TABLES

Free Joint Multi | Combination Tables

Indoor Unit Combination Tables



AJ030DXS4CG/AA (Capacity Index: 30)						
Unit Qty.	Indoor Nominal Capacity (K Btu/h)				Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C	D		
2	7	7				14
	7	9			•	16
	7	12			•	19
	7	15			•	22
	7	18			•	25
	7	24			-	31
	9	9			•	18
	9	12			•	21
	9	15			•	24
	9	18			•	27
3	7	7	7		•	21
	7	7	9		•	23
	7	7	12		•	26
	7	7	15		•	29
	7	7	18		-	32
	7	7	24		-	38
	7	9	9		•	25
	7	9	12		•	28
	7	9	15		-	31
	7	9	18		-	34
	7	9	24		-	40
	7	12	12		-	31
	7	12	15		-	34
4	7	7	7	7	-	28
	7	7	7	9	-	30
	7	7	7	12	-	33
	7	7	7	15	-	36
	7	7	7	18	-	39
	7	7	9	9	-	32
	7	7	9	12	-	35
	7	7	9	15	-	38

Unit Qty.	Indoor Nominal Capacity (K Btu/h)				Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C	D		
2	9	24			-	33
	12	12			•	24
	12	15			•	27
	12	18			•	30
	12	24			-	36
	15	15			•	30
	15	18			-	33
	15	24			-	39
	18	18			-	36
3	7	12	18		-	37
	7	15	15		-	37
	7	15	18		-	40
	9	9	9		•	27
	9	9	12		•	30
	9	9	15		-	33
	9	9	18		-	36
	9	12	12		-	33
	9	12	15		-	36
	9	12	18		-	39
	9	15	15		-	39
	12	12	12		-	36
	12	12	15		-	39
4	7	7	12	12	-	38
	7	9	9	9	-	34
	7	9	9	12	-	37
	7	9	9	15	-	40
	7	9	12	12	-	40
	9	9	9	9	-	36
	9	9	9	12	-	39

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*** Duct S and MPAH Connection Notes**
- Combatable combination that includes up to two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units.
- If the combination includes two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units, no other indoor units can be connected.
- If one (1) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) unit is connected, other indoor unit types (Slim Duct, cassette, high-wall, console) can be connected and the total sum of the indoor unit nominal capacity cannot exceed the system index noted above and the maximum indoor unit quantity will be reduced by one (1) unit.

COMPATIBILITY

Free Joint Multi | Compatibility



36K Btu Outdoor Unit / Premium

Model No. AJ036DXS3CG/AA

Indoor Unit Compatibility Table

AJ036DXS4CG/AA								
Type	Model	Capacity (K Btu/h)						
		7	9	12	15	18	24	
WindFree™ Premium High-wall	AR**DXDABWKNCV	•	•	•	•	•	•	
WindFree™ IAQ High-wall	AR**DXKAPWKNCV	•	•	•	•	•	•	
WindFree™ Standard High-wall with Refrigerant Leak Detection	AJ0**DNADCG/AA	•	•	•	•	•	•	
WindFree™ Standard High-wall without Refrigerant Leak Detection	AR**DXFAMWKNCV	•	•	•	•	•	•	
Duct S*	AJ0**DNHDCG/AA	-	•	•	•	•	-	
Multi-Position AHU*	AJ0**DNZDCG/AA	-	-	•	-	•	•	
Slim Duct	AC0**DNLDCG/AA	-	•	•	-	•	-	
WindFree™ Mini 4-Way Cassette	AC0**DNNDCG/AA	-	•	•	-	•	-	
WindFree™ 1-Way Cassette	AC0**DN1DCG/AA	-	•	•	-	-	-	
Console	AC0**DNJDCG/AA	-	•	•	•	•	-	

* Restrictions apply. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.SamsungHVAC.com.
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COMBINATION TABLES

Free Joint Multi | Combination Tables



Indoor Unit Combination Tables

AJ036DXS4CG/AA (Capacity Index: 36)						
Unit Qty.	Indoor Nominal Capacity (K Btu/h)				Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C	D		
2	7	7				14
	7	9			•	16
	7	12			•	19
	7	15			•	22
	7	18			•	25
	7	24			•	31
	9	9			•	18
	9	12			•	21
	9	15			•	24
	9	18			•	27
	9	24			•	33
3	7	7	7		-	21
	7	7	9		•	23
	7	7	12		•	26
	7	7	15		•	29
	7	7	18		•	32
	7	7	24		-	38
	7	9	9		•	25
	7	9	12		•	28
	7	9	15		•	31
	7	9	18		•	34
	7	9	24		-	40
	7	12	12		•	31
	7	12	15		•	34
	7	12	18		-	37
	9	15	18		-	42
	9	15	24		-	48
	9	18	18		-	45
	12	12	12		•	36
	12	12	15		-	39
	12	12	18		-	42
	12	12	24		-	48

AJ036DXS4CG/AA (Capacity Index: 36)						
Unit Qty.	Indoor Nominal Capacity (K Btu/h)				Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C	D		
2	12	12			•	24
	12	15			•	27
	12	18			•	30
	12	24			•	36
	15	15			•	30
	15	18			•	33
	15	24			-	39
	18	18			•	36
	18	24			-	42
	24	24			-	48
3	12	15	15		-	42
	12	15	18		-	45
	12	18	18		-	48
	15	15	15		-	45
	15	15	18		-	48
	7	12	24		-	43
	7	15	15		-	37
	7	15	18		-	40
	7	15	24		-	46
	7	18	18		-	43
	9	9	9		•	27
	9	9	12		•	30
	9	9	15		•	33
	9	9	18		•	36
	9	9	24		-	42
	9	12	12		•	33
	9	12	15		•	36
	9	12	18		-	39
	9	12	24		-	45
	9	15	15		-	39

Combination tables continue on next page.

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*** Duct S and MPAH Connection Notes**
- Combatable combination that includes up to two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units.
- If the combination includes two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units, no other indoor units can be connected.
- If one (1) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) unit is connected, other indoor unit types (Slim Duct, cassette, high-wall, console) can be connected and the total sum of the indoor unit nominal capacity cannot exceed the system index noted above and the maximum indoor unit quantity will be reduced by one (1) unit.

Free Joint Multi | Combination Tables



Indoor Unit Combination Tables - Continued

AJ036DXS4CG/AA (Capacity Index: 36)												
Unit Qty.	Indoor Nominal Capacity (K Btu/h)				Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)	Unit Qty.	Indoor Nominal Capacity (K Btu/h)				Duct S / MPAH Compatibility*	Connected Capacity (K Btu/h)
	A	B	C	D				A	B	C	D		
4	7	7	7	7		28	4	7	9	9	18		43
	7	7	7	9		30		7	9	12	12		40
	7	7	7	12		33		7	9	12	15		43
	7	7	7	15		36		7	9	12	18		46
	7	7	7	18		39		7	9	15	15		46
	7	7	7	24		45		7	12	12	12		43
	7	7	9	9		32		7	12	12	15		46
	7	7	9	12		35		9	9	9	9		36
	7	7	9	15		38		9	9	9	12		39
	7	7	9	18		41		9	9	9	15		42
	7	7	9	24		47		9	9	9	18		45
	7	7	12	12		38		9	9	12	12		42
	7	7	12	15		41		9	9	12	15		45
	7	7	12	18		44		9	9	12	18		48
	7	7	15	15		44		9	9	15	15		48
	7	7	15	18		47		9	12	12	12		45
	7	9	9	9		34		9	12	12	15		48
	7	9	9	12		37		12	12	12	12		48
	7	9	9	15		40							

Samsung HVAC maintains a policy of ongoing development. Specifications are subject to change without notice. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.samsunghvac.com.

*** Duct S and MPAH Connection Notes**

- Combatable combination that includes up to two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units.
- If the combination includes two (2) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) units, no other indoor units can be connected.
- If one (1) X MPAH (AJ0**DNZDCG/AA) or Duct S (AJ0**DNHDCG/AA) unit is connected, other indoor unit types (Slim Duct, cassette, high-wall, console) can be connected and the total sum of the indoor unit nominal capacity cannot exceed the system index noted above and the maximum indoor unit quantity will be reduced by one (1) unit.



CONTROLS

Take Full Control

Samsung control solutions provide flexible, intuitive management for everything from a single indoor unit to large, multi-zone installations. Individual Controllers offer a range of wireless, wired, and touchscreen options with convenient features such as programmable scheduling, advanced airflow control, built-in temperature sensing, and compatibility with a wide variety of Samsung indoor units.

For larger systems, the Touch Centralized Controller 2.0 provides comprehensive system management with an intuitive touchscreen interface, graphical zone control, and the ability to monitor and control multiple indoor and outdoor units from a single location. Together, Samsung control solutions simplify everyday operation while helping maximize comfort, convenience, and system performance.seamlessly into everyday living.



Samsung Has the Perfect Controller

Individual

Solar Cell Wireless Controller



Enjoy convenient wireless control with no batteries required. Powered by ambient light, the Solar Cell Wireless Controller provides intuitive operation of compatible indoor units, including temperature adjustment, operating mode selection, fan speed control, and WindFree™ Cooling. It also supports timer functions and filter reminders, reducing maintenance while providing a cleaner, more sustainable control solution.

Advanced Wired Controller



Take precise control of your indoor comfort with an intuitive wired touchscreen interface. Featuring a full-color display, programmable scheduling, dual set-point control, and a built-in room temperature sensor, the Advanced Wired Controller simplifies everyday operation while helping optimize comfort and energy efficiency.

Simple Touchscreen Controller



Control your indoor unit with an intuitive touchscreen interface that provides quick access to essential operating functions. With features such as temperature adjustment, airflow direction control, filter reminders, built-in temperature sensing, and WindFree™ Cooling control, it offers convenient day-to-day operation in a wide range of applications.

Central

Touch Centralized Controller 2.0



Manage multiple indoor and outdoor units from a single, intuitive touchscreen interface. Featuring a 10.1-inch color touchscreen, the Touch Centralized Controller 2.0 supports up to 64 indoor units and 32 outdoor units per channel, while providing graphical zone control, programmable scheduling, and real-time system monitoring. It simplifies the management of larger HVAC installations from one central location.



Solar Cell Wireless Controller

Part No. AR-CH01U

This controller can be used to control a single or multiple indoor units.

Features

- ON/OFF
- Temperature setting
- Operation mode
- Fan speed
- Filter reminder setting
- Single event timer setting
- WindFree™ Cooling mode
- Freeze wash
- Works with Wall Mount, Floor, Console, 1-Way, 4-Way Cassette, and 360 Cassette
- Works with any Ducted, MPAH, UCK, or FCU unit using an Advanced Controller, Simple Touch Controller, or MRK-A10N IR Receiver
- Zone control for up to 4 indoor units.
- Ships with Residential Wall Mount (excluding 36K)



IR Receiver

Part No. MRK-A10N



Simple Touch Controller

Part No. MWR-SH12UN

This controller can provide the desired level of control and user interface preferences suitable for any application.

Features

- MWR-SH12UN compatibility: Current and past RAC, CAC, FJM, DVM S, and DVM Chiller FCU models
- ON/OFF
- Temperature setting
- Operation mode
- Fan speed
- Filter reminder setting
- Single event timer setting
- Louver position setting
- Error display
- Partial or all button lock capability
- Outing function
- Quiet mode (for supported units)
- Built-in temperature sensor
- WindFree™ Cooling mode



Advanced Wired Controller

Part No. MWR-WG01UN

This controller can provide the desired level of control and user interface preferences suitable for any application.

Features

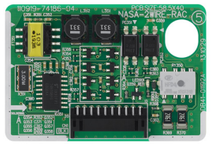
- MWR-WG01UN compatibility: Current RAC, CAC, FJM, DVM S, and DVM Chiller FCU models. RAC models require MIM-A00UN wired controller sub-PCB.
- Color screen
- Dual set-point*
- A2L Alert (For R-32 and R-454B leak detection)
- Built-in room sensor
- Advanced heat pump auto changeover settings*
- 7-day programmable scheduling
- Occupied/unoccupied and setback settings
- Group control of up to 16 indoor units



MIM-A00UN

* For supported units/systems





Adapter

Part No. MIM-R10UN

Touch Centralized Controller 2.0

Part No. MCM-A300BUN

With a 10.1" LCD color touchscreen, the Touch Centralized Controller has 2 channels. Each channel can control up to 64 indoor units and 32 outdoor units.

Features

- Direct compatibility: Outdoor units using R1/R2; DVM, CAC, and FJM. RAC requires MIM-R10UN adapter.
- Direct compatibility: Indoor units using F1/F2; DVM, CAC, FJM, and RAC
- 3 auxiliary control options: emergency shut down, all on/off - wired controller lock on/off, and pulse on - pulse off
- Custom floorplan layout graphical zone control
- Local control using PC or tablet (ethernet connection required)
- ON/OFF
- Temperature setting
- Operation mode
- Fan speed
- Filter reminder setting
- Single event timer setting
- Louver position setting
- Error display
- Partial or all button lock capability
- WindFree™ Cooling mode

Controls Product Lineup









	Individual Solar Cell Wireless Controller	**Individual** Touchscreen Controller	**Individual** Advanced Wired Controller	**Central** Touch Centralized Controller 2.0
Residential WindFree™ Wall Mount	•	•	•	•
Light Commercial Wall Mount	•	•	•	•
Light Commercial 4-Way Cassette	•	•	•	•
Light Commercial 360 Cassette	•	•	•	•
FJM WindFree™ Wall Mount	•	•	•	•
Light Commercial & FJM Mini 4-Way Cassette	•	•	•	•
Light Commercial & FJM 1-Way Cassette	•	•	•	•
Light Commercial & FJM Console	•	•	•	•
Light Commercial & FJM Slim Duct	•	•	•	•
Light Commercial & FJM Duct S	•	•	•	•
Light Commercial & FJM MPAH	•	•	•	•

Notes

Residential & Light Commercial Tech Catalog

Notes

SAMSUNG

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RLCTECHCAT 07.2026-V1

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