SAMSUNG

Air Conditioner

Catalogue 2021 / 2022

PT. Samsung Electronics Indonesia

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SAMSUNG
Air Conditioner

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About Samsung

We create new possibilities to fulfill the needs of people across the globe.





Samsung Electronics has come a long way since introducing its first air conditioner in 1974. Having entered the European market for commercial air conditioning in 2005, we have experienced rapid growth and support for our expanding global operations in climate systems. Samsung Electronics Co., Ltd. opened Samsung Electronics Air Conditioner Europe B.V. in Amsterdam at the start of 2017. Staff at our European headquarters and local subsidiaries strive to provide the best level of service and support to our partners across more than 30 European countries, in order to achieve mutual growth and success going forward.

It is our focus at Samsung to provide cutting-edge innovations in climate-based initiatives, as well as lasting digital connectivity solutions, fulfilling the needs of cooling, heating, domestic hot water, ventilation and smart building solutions, particularly across retail, hotel, office and home environments.



309,630
EMPLOYEES

7
DESIGN CENTERS

74
COUNTRIES

37
PRODUCTION SITES

216
GLOBAL BASES

15
REGIONAL OFFICES

37
R&D CENTERS

52
SALES OFFICES

Why Samsung

We've been expanding our cutting-edge product domain.

Samsung is synonymous with pushing back boundaries, and we are revolutionizing the world of air care. Our award-winning air conditioning systems are recognized worldwide for their stunning designs, advanced performance and outstanding efficiency.

Using groundbreaking technology, we have developed an extensive range of innovative climate systems. So, we can provide the best solution to fit your needs, whether it is for your home or for a business.

Our Wind-Free™ technology spreads fresh air uniformly without unpleasant cold drafts. To ensure maximum comfort throughout an entire room, the bladeless 360 Cassette features booster fan technology and a cutting-edge circular design. And Samsung's highly efficient Digital Inverter technology cools you quickly without wasting energy. You can even stay wonderfully warm when it's freezing outside, as our Flash Injection technology maintains a reliable performance even at temperatures as low as -25°C.

However, all of this advanced technology doesn't make them hard to use. In fact, it is the complete opposite. You can control your air conditioner really easily, even when you're on the go. As well as offering standard remote controls with a bright color display and intuitive interface, you can also control the air conditioner anytime and anywhere using an App on your smartphone.

As a result, Samsung has received a host of prestigious industry awards. The 360 Cassette was selected as a finalist in the iF Product Design Award 2016 and the International Design Excellence Awards (IDEA) 2016. In addition, Samsung's Digital Inverter 8-Pole was recognized for its product excellence in the 40th Mostra Convegno Expocomfort's "Beyond Class A" initiative. And our Wallmount climate system received the "Eco-design & Sustainable Technologies" CES award in 2015.



We understand
"comfort".

So we **eliminated wind**
while still keeping you
comfortable.

Tens of thousands of micro holes that disperse air gently





Wind-Free™ Air Conditioners

- Still-Air Technology
- Tri-Care Filter System
- Motion Detect Sensor

A bladeless circular design that distributes air farther and evenly

360 Cassette

- Innovative Circular Design
- Omni-directional Outlet
- Bladeless Design with a Booster Fan





Gigantic capacity in smaller dimensions

DVM S

- 30HP Large Capacity in a Single Unit
- Flash Injection Technology
- High Elevation with Long Piping

Compact design with exceptional performance

DVM S Eco

- Compact Size
- Up to 14HP Large Capacity
- Flexible Installation with 4-way Piping





Molular flexibility to expand on demand

DVM Chiller

- Modular Design with a Small Footprint
- Flash Injection Technology
- Expandable to up to 320ton

We understand
"business".

So we provide
the **ultimate flexibility**
to exquisitely meet
every need.

Our History

Continuous innovation

Samsung has been manufacturing air conditioners and challenging the status quo of the industry for over 40 years. Thanks to cutting-edge innovations in design and technology, we will continue to aspire to be a leader in the cooling and heating industry in the years to come.



1974
Began WAC Production

1975
Began RAC Production



1985
Began Inverter RAC / FAC / PAC Production



1992
Began SAC Production





2000
First Launched DVM Water

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







2012

Launched Wi-Fi Control RAC
(Jungfrau)

2013



Launched Triangle Design
RAC (A3050)

2015

Introduced World's First
360 Cassette
30HP DVM



2017

Launched Wind-Free™



2018

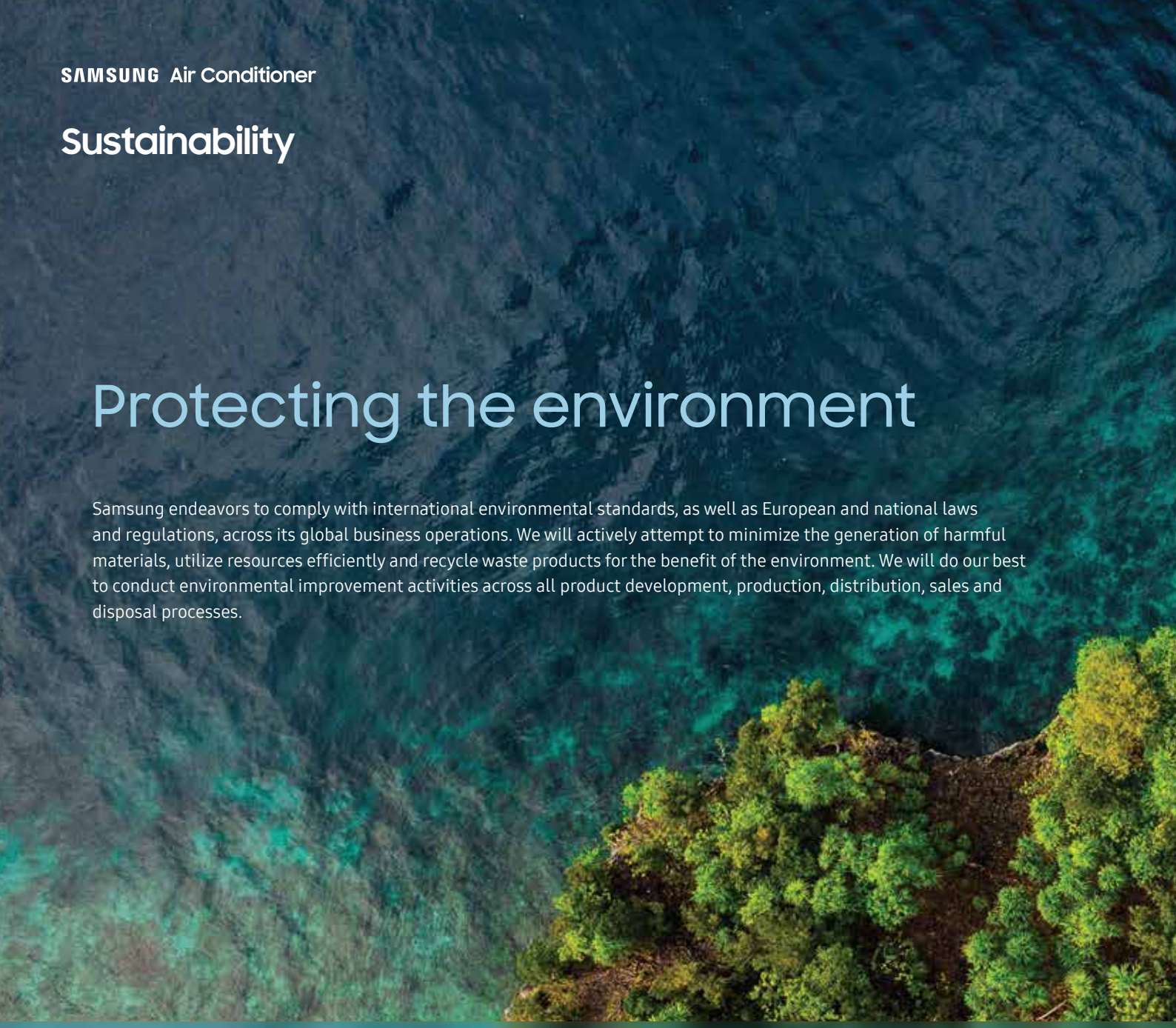


Extended Wind-Free™
With Cassette Range

Sustainability

Protecting the environment

Samsung endeavors to comply with international environmental standards, as well as European and national laws and regulations, across its global business operations. We will actively attempt to minimize the generation of harmful materials, utilize resources efficiently and recycle waste products for the benefit of the environment. We will do our best to conduct environmental improvement activities across all product development, production, distribution, sales and disposal processes.



WEEE: Electronic Waste

Samsung work within the WEEE (Waste of Electrical and Electronic Equipment) regulations, which form the Directive for extended producer responsibility. This Directive mandates the safe collection, treatment, recycling and environmentally-sound disposal of all electrical and electronic equipment. Working with collective recycling schemes in each EU member state, Samsung co-finances the take-back and recycling of electronic products.

Ecodesign

Samsung complies with the Ecodesign regulations, issued in March 2012, which require electric air conditioners (<12kW) and comfort fans (<125W) within the EU to display detailed, highly visible information regarding energy efficiency, plus information on Coefficient of Performance (COP), Energy Efficiency Ratio (EER) and annual energy consumption (kW/h).

Packaging

Samsung works together with recycling schemes and governmental organizations to collect, separate and re-use all packaging materials at various points in the distribution chain. Many materials can be recycled into new products and recycling helps to save natural resources. Recycling packaging helps to re-use valuable raw materials and to reduce the overall impact on the environment.

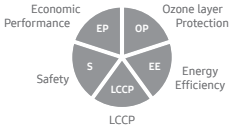
Addressing Global Warming with R32 Refrigerant

Following the introduction of EU legislation on the reduction of F-gas emissions, Samsung launched a new range of air conditioners across Residential (RAC), Commercial (CAC) and Multi Split (FJM) models. All feature R32 refrigerant. R32 has a Global Warming Potential (GWP) of 675, which is significantly lower than the GWP of R410A (2,088).

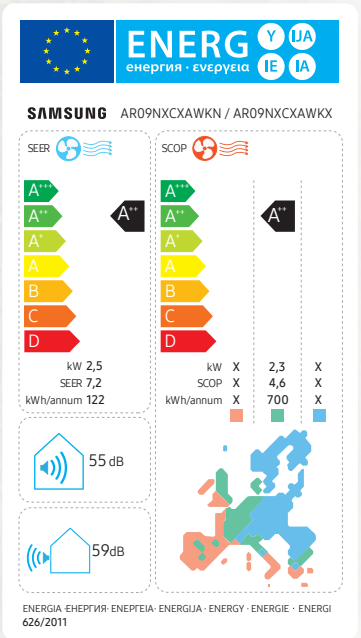
These new products are more environmentally friendly than their R410A-based predecessors. While refrigerants are an essential part of air conditioning, R32 reduces the environmental impact by 68%* in comparison with R410A (if leaked into the atmosphere), and is non-toxic and easy to recycle. It has an Ozone Depletion Potential (ODP) of zero, as well as a high refrigeration capacity and thermal conductivity, meaning maximum efficiency and a 30% reduction in charging volume.







Making Energy Efficiency Clear



Since 1st January 2013, all air conditioners with a rated capacity of ≤ 12kW for cooling or heating have featured an energy label indicating their energy efficiency in compliance with EU Regulation No. 626/2011 (Lot 10). As of January 2019, the energy efficiency scale has changed: the new range will be from A+++ to D, with A+++ being the most efficient and D being the least efficient. The energy label should provide minimum necessary information, such as the product model code, energy efficiency class, average annual energy consumption, SCOP and/or SEER values and noise level.

The energy efficiency class is determined by measurements and calculations and should fall within the ranges indicated by the table below*.

Energy Efficiency Class	SEER (Cooling)	SCOP (Heating)
A+++	SEER ≥ 8.50	SCOP ≥ 5.10
A+++	6.10 ≤ SEER < 8.50	4.60 ≤ SCOP < 5.10
A+++	5.60 ≤ SEER < 6.10	4.00 ≤ SCOP < 4.60
A	5.10 ≤ SEER < 5.60	3.40 ≤ SCOP < 4.00
B	4.60 ≤ SEER < 5.10	3.10 ≤ SCOP < 3.40
C	4.10 ≤ SEER < 4.60	2.80 ≤ SCOP < 3.10
D	3.60 ≤ SEER < 4.10	2.50 ≤ SCOP < 2.80

* Except single duct and double duct air conditioners.

All-around support for streamlined business

Hub | Samsung Partner Portal

Tool | Samsung DVM-Pro

Training | Samsung Air Conditioner Academy



Business with Samsung | Hub

A resource bank for all things Samsung

Samsung Partner Portal

As one of Samsung's registered partners, you will have access to our Partner Portal and its many benefits. Whether you are looking for marketing materials or technical product documentation, requesting technical support or subscribing for training, the Samsung Partner Portal offers you everything you need to consistently deliver the best results.

How to **Access**

1. Register

To register for the Samsung Partner Portal, open your web browser* and go to partnerhub.samsung.com to complete the registration form.

2. Access

Your information will be verified and your account will be activated. You will receive your personal login credentials.

3. Manage account

Keep your account details up to date and invite your colleagues to join.

4. Take advantage

Access a full library of resources, request technical support, or sign up for an Air Conditioner Academy training session.

* Samsung Partner Portal: partnerhub.samsung.com. The latest Google Chrome is recommended.

Access Technical Resources



The Technical Resources section allows you to find all relevant information to understand the product's functionality and to prepare and design projects. Ranging from technical data books, BIM files and certificates to exploded views, drawings and different kinds of manuals, a library full of technical information is at your fingertips.

Obtain Marketing Resources



Potential buyers like to know you are on the cutting edge of Samsung's latest innovations. To allow you to align with Samsung's marketing initiatives, the Partner Portal provides you with useful downloadable assets such as images and videos, designed to make your marketing activities easy and effective.

Register for Training



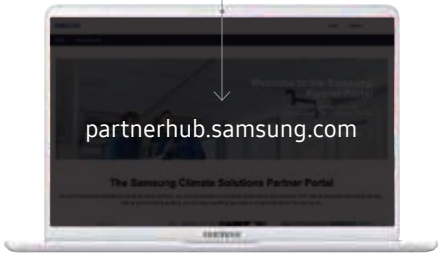
If you are dedicated to becoming a Samsung Air Conditioner expert, you can get access to the training sessions by experienced trainers. The portal allows you to search for online courses and materials, test your air conditioner knowledge, and more*.

* The registration process and availability of training courses may differ per country. Please contact your direct Samsung contact person for more information.

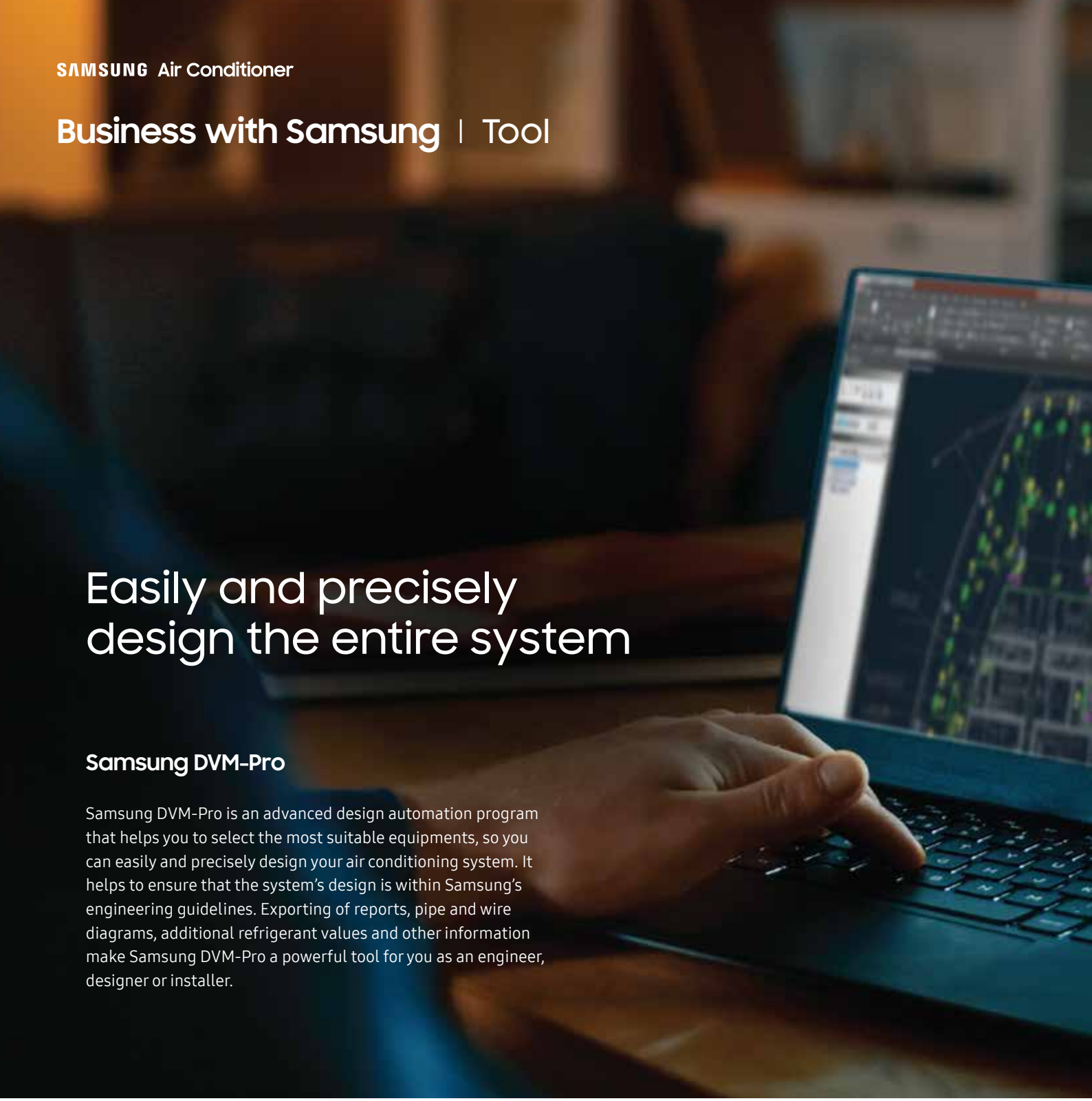
Request Technical Support



Through the Samsung Partner Portal you can easily request technical support by raising your case using our built-in ticketing system. You can rest assured that our well-trained technical experts will work to solve your issue as soon as possible.



Business with Samsung | Tool



Easily and precisely design the entire system

Samsung DVM-Pro

Samsung DVM-Pro is an advanced design automation program that helps you to select the most suitable equipments, so you can easily and precisely design your air conditioning system. It helps to ensure that the system's design is within Samsung's engineering guidelines. Exporting of reports, pipe and wire diagrams, additional refrigerant values and other information make Samsung DVM-Pro a powerful tool for you as an engineer, designer or installer.

How to **Access**

1. Register

Go to partnerhub.samsung.com to access the Samsung Partner Portal*. If you do not have access yet, simply complete the registration process and you will be sent access details.

2. Select tools

Go to Technical Resources via the main menu and select the option Design Tools from the sub menu.

3. Download

Download the DVM-Pro installation file, view the user manuals, and start the design of your project.

* Samsung Partner Portal: partnerhub.samsung.com. The latest Google Chrome is recommended.



Sales Mode

Sales Mode enables users to define their requirements and select air conditioning products quickly and easily.

Product Selection

List of equipment, including indoor units, outdoor units, controls and accessories

Reports

Specifications, diagrams with DWG & BMP format, quotation

Wiring Schematics

Automatic diagram with communication wiring of indoor/outdoor/ control units and electric power meters

Piping Schematics

Basic or manual selection with system check and capacity simulation

Control Systems

Automatic control unit selection



CAD Mode

CAD Mode is an in-depth and precise design tool, enabling users to design their air conditioning system using AutoCAD software*.

* Sourced separately.

Pipe Sizing & Lengths

Refrigerant & drain pipe sizing

Automatic Selection

Refnet joint, header & distributor kit

Automatic Report

Piping installation

System Check

Installation regulation & refrigerant charging

Performance Simulation

Capacity correction tool against specific design conditions

Business with Samsung | Training



Become a Samsung Air Conditioner expert

Samsung Air Conditioner Academy

The Samsung Air Conditioner Academy is committed to providing engineers with the technical skills required to install a Samsung product efficiently, and to help relay the necessary information to users. All courses are designed to provide attendees with the opportunity to develop both theoretical and practical knowledge of Samsung's vast range of equipment and solutions.

How to **Register for Training**

1. Search

To check for available training courses, go to the Samsung Business Academy (SBA) via the Samsung Partner Portal*. Search the online event calendar and select the training course you would like attend.

2. Register

When you have identified the training course you would like attend, follow the registration process. Once you have registered successfully you will receive a confirmation e-mail.

3. Get Certified

Once we have confirmed your registration, we will welcome you to one of our training centers. You will be trained by one of our specialized Master Trainers or Product Specialists, and receive a Certificate of Completion.

* Samsung Partner Portal: partnerhub.samsung.com. The latest Google Chrome is recommended.

Available Training Modules**



Essential Courses

Basic Commercial Training



- The product line-up, accessories and available controls
- The unique characteristics of Samsung products
- Installation considerations

Advanced Courses

Basic Technical Training

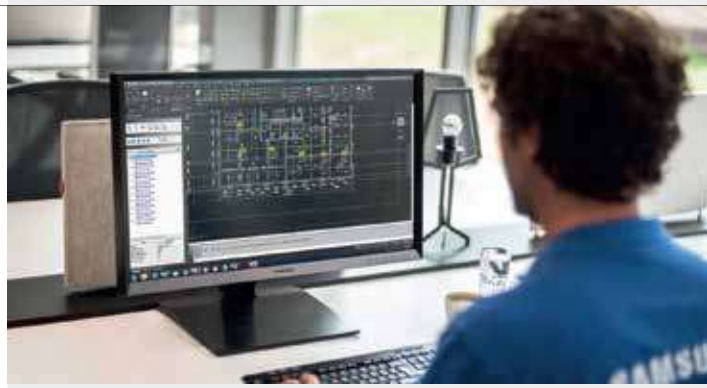




- How to correctly install and configure a system
- Commissioning: Common issues during commissioning and how to resolve any challenges
- Troubleshooting and fault finding (by use of E-codes)
- Control logic
- Case studies

Advanced Courses

Design Training



- Understanding customers' needs and offering possible solutions
- DVM-Pro - Samsung's advanced design tool
- Case studies



** The registration process and availability of training courses may differ per country. Please contact your direct Samsung contact person for more information.

Product

Complete line-ups to meet every demand




SAMSUNG
DVM S
SAMSUNG
DVM S
SAMSUNG
DVM S

Product | Categories



RESIDENTIAL

Combining innovative technologies, the Samsung Residential air conditioners offer superior performance, flexible installation and easy operation.



VRF

A DVM system is an extremely versatile climate control solution. With its wide range of capacities it can cool or heat any space, from high-rise towers to small commercial buildings.



MULTI SPLIT

Samsung's Multi Split systems provide remarkable coverage and perfectly optimized air care, using advanced technology to be silent, energy efficient and reliable.



COMMERCIAL

The Samsung Commercial solution ensures optimal comfort in almost any commercial environment, with a superior performance and minimal running costs.



VENTILATION

An Energy Recovery Ventilation (ERV) system brings fresh ourside air into your space, while minimizing energy loss.

CONTROLS

Using a variety of fully integrated control solutions, users can manage multiple functions of an individual climate system, or entire groups of indoor units from a central point.

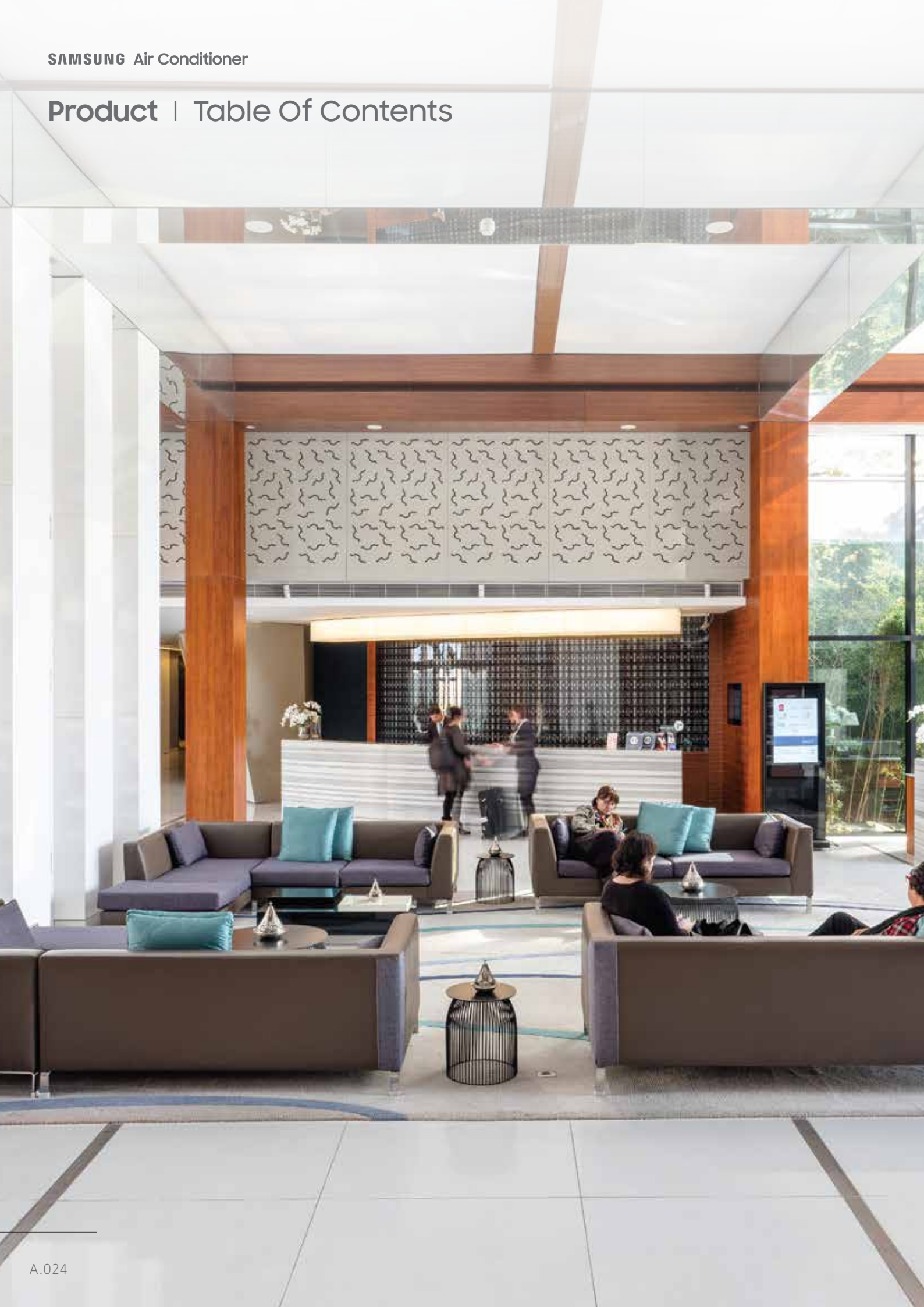




ACCESSORIES

To complete your system, Samsung offers a wide range of accessories, from cassette panels to piping connectors.

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026 **RESIDENTIAL**

028 Wind-Free™

038 **INDOOR UNITS**

042 **Cassette** 360 Cassette / Wind-Free™ 4Way / Wind-Free™ 4Way 600x600 / 2Way / Wind-Free™ 1Way
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Residential



Creates a perfect living environment, so you always feel more relaxed and refreshed.

Air conditioning is now common-place in commercial and retail environments, as it creates a very pleasant environment in which to work and shop. But it can also make residential homes much more comfortable to live and sleep in – keeping you comfortably cool in the heat of summer, but also deliciously warm in the depths of winter.

Samsung offers a range of energy-efficient and eco-friendly air conditioners that deliver exceptional Wind-Free™ heating and cooling. And they also feature a host of advanced technologies to optimize the way they operate and simplify their control and maintenance.



5 key reasons to choose the Samsung Residential Air Conditioners

Non-stop Comfort

Comfort around the Clock

Always feel comfortably cool, but not cold, throughout both the day and night, with Wind-Free™ Cooling that is intelligently optimized to suit your needs.

Energy Saving

Automatically More Efficient

Waste less energy as it detects your movement and automatically switches to the most efficient mode. Or simply select ECO mode to save energy anytime.

Hygiene

Air Care for a Healthy Life

Make sure you always breathe cleaner air with advanced filtration that captures ultrafine dust, and reduces the level of viruses, bacteria and allergens.

Control

Smart Control and Connectivity

Simplify your life with effortless control anytime and anywhere. All it takes is a touch on your smartphone. Or you can simply tell it what to do!

Maintenance

Simple to Manage

Keep your air conditioner hygienically clean and working really efficiently with a range of easy to use self-cleaning and damage-protection technologies.

Residential | Wind-Free™

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



Stay comfortable cool anytime and anywhere. The Samsung air conditioner's Wind-Free™ Cooling gently disperses air through 23,000 micro holes, so there are no unpleasant cold drafts. Its advanced air flow structure also cools a wider and larger area more evenly. AI Auto Cooling* optimizes your cooling by analyzing the room conditions and usage patterns**, and detecting your movement. You can even choose if you want the cool air to follow you wherever you go or be indirectly dispersed around the room. And its highly energy-efficient Digital Inverter Boost technology saves you money every day.

* A Wi-Fi connection and a Samsung account are required.
** Stores user data, preferences and usage patterns to suggest the most useful options.



Comfort

—

Wind-Free™ Cooling

Wind-Free™ Good Sleep

AI Auto Cooling

Direct/Indirect Wind

Fast Cooling

Energy Saving

—

Motion Detect Sensor

ECO Mode

Air Care

—

PM1.0 Filter

Tri-Care Filter

Control

—

SmartThings

Voice Control

Maintenance

—

Auto Clean

Easy Filter Plus

Triple Protector Plus

Eco-friendliness

—

R32 Refrigerant

Residential | Wind-Free™

Comfort - Intelligently optimized comfort for your life

The Samsung Wind-Free™ air conditioner keeps you comfortably cool with Wind-Free™ Cooling that is intelligently optimized to suit your needs. And it can quickly cool large spaces from corner to corner.

01

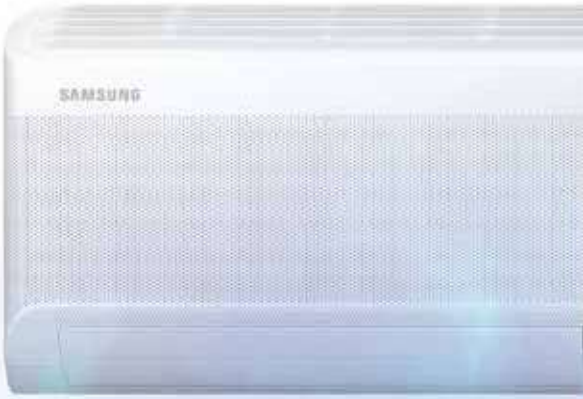
Stay cool without feeling cold

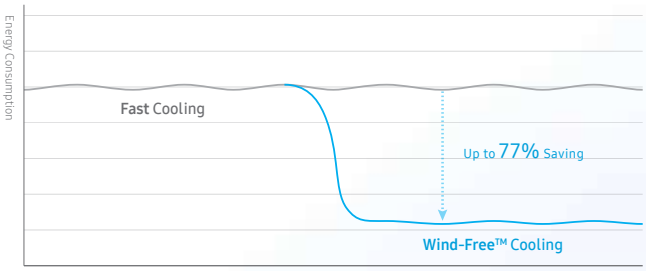
Wind-Free™ Cooling

Stay feeling comfortable cool with Wind-Free™ Cooling. It cools gently and quietly without the unpleasant feeling of cold wind on your skin, as it disperses air through 23,000 micro air holes. It creates a "Still Air" environment* with a very low air speed and much less noise**. Its advanced air flow structure also means it cools a wider and larger area more evenly. And it consumes 77% less energy than Fast Cooling mode*** so you can stay comfortably cool without worrying about electricity bills.



23,000
Micro Air Holes





* 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 AR12TXFCAWKNEU model. Wind-Free™ mode generates only 23dB(A) of noise, compared to 26dB(A) with the Samsung conventional model.

*** Tested on the AR07T9170HA3 model, based on the power consumption of Fast Cooling mode vs. Wind-Free™ Cooling mode.

02

Enjoy a good night's sleep & save energy

Wind-Free™ Good Sleep

Get a really good night's sleep every night. The Wind-Free™ Good Sleep mode creates the ideal climate in your bedroom for sleeping – without an unpleasant cold air flow and using less energy compared to the normal cooling mode. Its temperature control with Wind-Free™ Cooling keeps you comfortable throughout the night. So you fall asleep fast, sleep deeply and comfortably, and wake up feeling fully refreshed and ready for a new day. And you may gain precious minutes of potentially lost sleep.



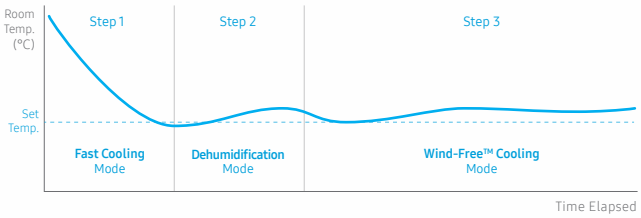


03

A more intelligent way of living

AI Auto Cooling*

To make life simpler and more efficient, it automatically optimizes the various modes by analyzing the room conditions and your usage patterns**. Based on your preferred temperature and the outside temperature, it automatically switches to the most appropriate mode, including Wind-Free™, Fast and Normal Cooling, to maintain the optimal room conditions and keep you feeling comfortable.



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 Wind-Free™ mode to maintain the desired temperature.

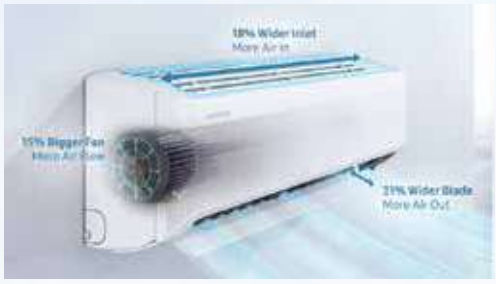
* A Wi-Fi connection and a Samsung account are required.
** Stores user data, preferences and usage patterns to suggest the most useful options.

04

Cools you down faster

Fast Cooling

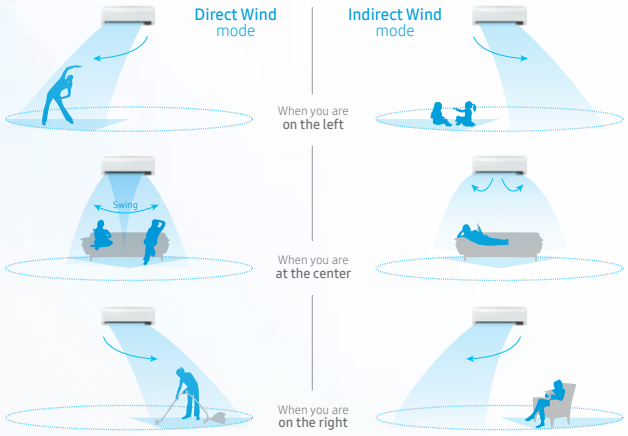
Digital Inverter Boost technology cools the air 43% faster*. Its advanced design also has a 15% larger fan, 18% wider inlet and a 31% wider blade. So cool air is dispersed farther and wider**, reaching up to 15 meters.



* Tested on the AR12TXCAAWKEU model compared with the Samsung conventional model AQ12EASER.
** Tested on the AR24TXFCAWKNEU model.

Direct/Indirect Wind (with Motion Detect Sensor)

You can simply set your air conditioner not to blow air towards you, or to follow you wherever you move. The Motion Detect Sensor tracks your movement and automatically adjusts the air direction, based on the chosen mode. So you don't need to control it manually to ensure you always enjoy optimum comfort wherever you are.



Residential | Wind-Free™

Energy Saving - Automatically more efficient

The Samsung Wind-Free™ air conditioner saves you money when you're not there by automatically switching its mode to consume less energy. And you can manually set it to the ECO mode to save energy anytime.

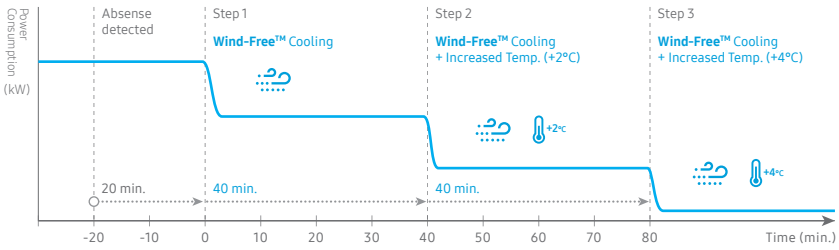


05

Tracks your movement to save energy

Motion Detect Sensor

Cool your home efficiently whether you are there or not. The Motion Detect Sensor detects if there is no movement after 20 minutes* and will automatically switch to the Wind-Free™ mode to save energy. After 40 minutes, it increases the temperature by 2°C in Wind-Free™ mode. After another 40 minutes, it either increases temperature by 2°C in Wind-Free™ mode or enters standby (Soft Off) mode. But as soon as it detects any activity it returns to working normally. You can also set it so that it won't blow air towards you, or to follow you wherever you move.



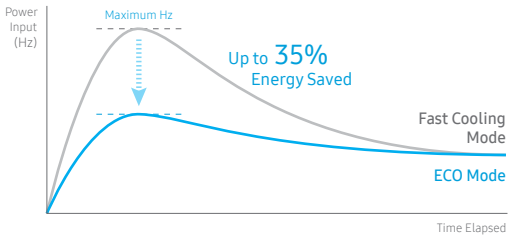
* The Motion Detect Sensor will start detecting the absence of movement after a minimum of 5 minutes and up to a maximum of 60 minutes.

06

Saves energy & money, cools effectively

ECO Mode

Save energy, but still stay cool. The ECO mode uses less compressor capacity compared to Normal mode. This reduces energy consumption compared to conventional models*, while still providing a cool and comfortable environment. It lets you cool efficiently when it's not too hot outside or just save energy and money at any time, so you don't have to worry about your electricity bills. And it even helps to avoid overloading your local electricity network during a hot summer.



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



Air Care - Even more comfort with even cleaner air

Staying cool is one thing, but to be really comfortable you need to be breathing clean air. So the Samsung Wind-Free™ air conditioner is designed to improve the air quality by capturing ultafine dust.



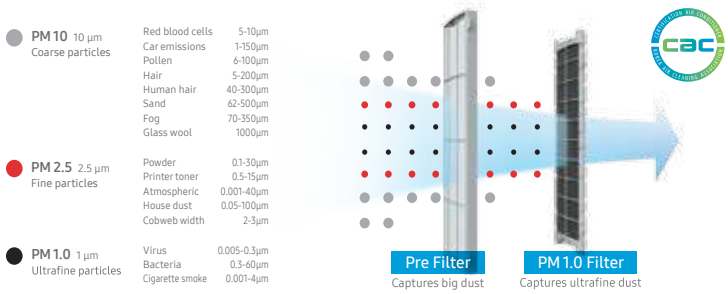
Wind-Free™ Elite

07

Quickly captures even ultrafine dust

PM1.0 Filter*

Protect yourself from inhaling tiny particles in the air that can get embedded in your lungs. The PM1.0 Filter* keeps the air really clean by capturing even ultrafine particles. It fully covers the air inlet and works twice as fast as a PM2.5 Filter, so it cleans quickly and thoroughly. Colored lights also show the current air quality and a laser sensor detects when the air is dirty, so it can be automatically cleaned*. And the filter is washable, so it's easy and cost-effective to maintain.





Wind-Free™ Premium Plus

08

Keeps your air hygienic by capturing dust, viruses, bacteria and allergens

Tri-Care Filter*

Keep the air hygienic and maintain the performance of the Heat Exchanger with a Tri-Care Filter*. Its 3 layers include a high-density filter that extracts large household dust particles, fibers and animal hairs. It also has a Zeolite Coating Filter that captures fine dust, and reduces the level of certain airborne viruses, bacteria and allergens.



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

Step 2
Silver ion reacts with the protein in bacteria.

* PM1.0 Filter and Tri-Care Filter are not available on certain models. May differ depending on region and model.

Residential | Wind-Free™

Control and Maintenance - Easy to use and maintain without hassle

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

09 Effortless control with a touch or a word



SmartThings & Voice Control

Control the temperature in your home anytime and anywhere. Using the SmartThings App* you can remotely control and monitor the air conditioner with just a touch. Or simply tell the voice control artificial intelligence (AI) system* what you want** and it does it. It even suggests the best settings. To stay comfortable, just say things like:



* Available on Android and iOS devices. A Wi-Fi connection and a Samsung account are required.

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

10 Stays clean & hygienic with less moisture

Auto Clean

After it's been working, the Auto Clean function automatically dries the Heat Exchanger using a 3-step process. It removes moisture by blowing air for between 10 to 30 minutes. So it prevents the build-up of bacteria and odors.



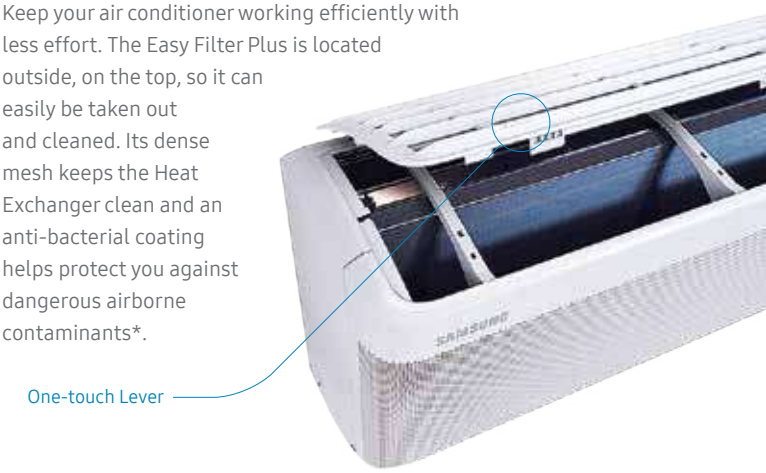


* Only available in Wind-Free™ models that have a humidity sensor.

11 Easy to clean anti-bacterial filter

Easy Filter Plus

Keep your air conditioner working efficiently with less effort. The Easy Filter Plus is located outside, on the top, so it can easily be taken out and cleaned. Its dense mesh keeps the Heat Exchanger clean and an anti-bacterial coating helps protect you against dangerous airborne contaminants*.



* Tested in Korea test lab. Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use.

12 Long-lasting performance without damage

Triple Protector Plus

Triple Protector Plus technology prevents damage from power surges and fluctuating electrical currents, without a separate voltage stabilizer*. Its anti-corrosion coating also protects the condenser and cabinet in harsh conditions.



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

Eco-friendliness - Helps to create a greener planet

The Samsung Wind-Free™ air conditioners uses the latest and most eco-friendly refrigerant. So it's good for you, as it delivers really effective cooling, but it's also good for the planet, as it protects the ozone layer.

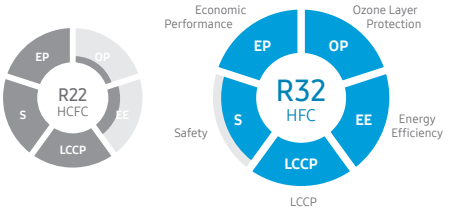


13

Eco-friendly cooling - zero ozone impact

R32 Refrigerant

Protect the planet by reducing the impact of climate change. The air conditioner uses the next generation R32 refrigerant, which helps conserve the ozone layer and has a low impact on global warming. It has an Ozone Depletion Potential (ODP) of zero and a lower Global Warming Potential (GWP) than conventional R22 or R410A refrigerants, so it is much more environmentally friendly*.





* Tested on R32 refrigerant compared with Samsung conventional refrigerants R410A and R22.

Residential | Wind-Free™ LINE-UP

Wind-Free™ Air Conditioner



Wind-Free™ Premium

Comfort	Wind-Free™ Cooling	•
	Wind-Free™ Good Sleep	•
	Fast Cooling	•
	4-Way Swing	•
	AI Auto Cooling	• Optional
Energy Saving	Motion Detect Sensor	• Optional
	ECO Mode	•
Air Care	PM1.0 Filter	
	Tri-Care Filter	• Optional
Control	SmartThings (Wi-Fi Control)	• Optional
	Voice Control	• Optional
	Temperature Display	•
Maintenance	Auto Clean	•
	Easy Filter Plus	•
	Triple Protection Plus	•
Eco-friendliness	R32 Refrigerant	•

Inverter Air Conditioner



Inverter Premium

Comfort	Wind-Free™ Cooling	
	Wind-Free™ Good Sleep	
	Fast Cooling	•
	4-Way Swing	• Optional
	AI Auto Cooling	
Energy Saving	Motion Detect Sensor	
	ECO Mode	•
Air Care	PM1.0 Filter	
	Tri-Care Filter	• Optional
Control	SmartThings (Wi-Fi Control)	• Optional
	Voice Control	• Optional
	Temperature Display	•
Maintenance	Auto Clean	
	Easy Filter Plus	•
	Triple Protection Plus	•
Eco-friendliness	R32 Refrigerant	•

Indoor Units



Blends in beautifully and delivers optimal comfort for a better life at work and home, while saving energy.

Air conditioning is now an important part of everyday life, helping to improve productivity at work and enhance people's home life by creating a much more comfortable environment. But it can also add the finishing touch to your interior design.

Combining innovative technologies, the Samsung indoor air conditioners offer superior performance, flexible installation and easy operation. And they also feature sleek finishes with a variety of stylish designs, so they are the perfect enhancement to any space.

[Background] Reference Site: Novotel Itu Golf & Resort (Brazil), which has installed 150 Samsung indoor units including the Duct S and the 360 Cassette.



5 key reasons to choose the Samsung Indoor Units

All-year Comfort

Everyday Comfort with Endless Savings

Feature a combination of advanced technologies that offer enhanced performance and efficiency, providing all-day comfort and incredible savings.

Versatility

Complete Range of Types and Capacities

From cassette type to ducted and floor standing types, choose from an extensive line-up of indoor units with various capacities to perfectly meet every requirement.

Design

Outstanding Style with Relentless Innovation

Enhance the look of any space with the most premium and sophisticated designs, which have received various distinguished design awards.

Smart Technology

Smart Control and Connectivity

Take your lifestyle to a new level of convenience by connecting to a smartphone or other smart appliances for the ultimate in control and usability.

Flexibility

Flexible Installation and Easy Maintenance

Enjoy air conditioning in many more places using compact and lightweight indoor units that are easy to install and maintain, saving time, effort and money.

Indoor Units LINE-UP

CASSETTE TYPE



360 Cassette
042



Wind-Free™
4Way
048



Wind-Free™
4Way 600x600
056



2Way
064



Wind-Free™
1Way
070

DUCTED TYPE



Slim Duct
076



MSP Duct
080



Duct S
084

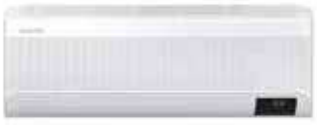


HSP Duct
090



Big Duct
096

WALL MOUNTED TYPE

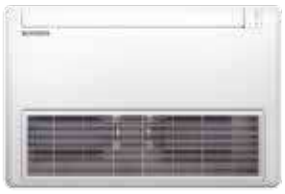


Wind-Free™
Premium Plus
102



Boracay
108

CEILING TYPE



Convertible

114 (116)

FLOOR STANDING TYPE



Console

120 (122)



Mirage

Packaged

120 (126)

VENTILATION



ERV Plus

130



OAP Duct

136

Cassette | 360 Cassette

Circular design, omni-directional wind. All new innovations for added style and comfort.



The Samsung 360 Cassette offers a brand new way of staying comfortably cool in every corner of the room. Its innovative circular design not only means it perfectly fits in everywhere, adding a sophisticated look to many different sites, but it also blows cool air in all directions, so that the whole room is the same temperature*. And its bladeless outlet ensures that cool air is spread gently, without creating a cold draft**, and doesn't block the air flow, even at low angles, so it expels 25% more air** and spreads it farther.

* Within a 9.3m radius the temperature difference is less than 0.6°C.
** Samsung testing compared to a general 4-way cassette type air conditioner. Within a 5m radius, no cold draft between 0~1.5m in height (with 14.0kW).



NHA TRANG HORIZON HOTEL
NHA TRANG, VIETNAM

Comfort

—

Omni-directional Outlet

Bladeless Design

Booster Fan

Design

—

Innovative Circular Design

Control

—

Wireless Remote Controller

Circular LED Display

Cassette | 360 Cassette

Comfort - Keeps you comfortably cool wherever you are

Add a touch more style to any room and enjoy comfortable, draft free cooling across a wide area with the Samsung 360 Cassette air conditioner.

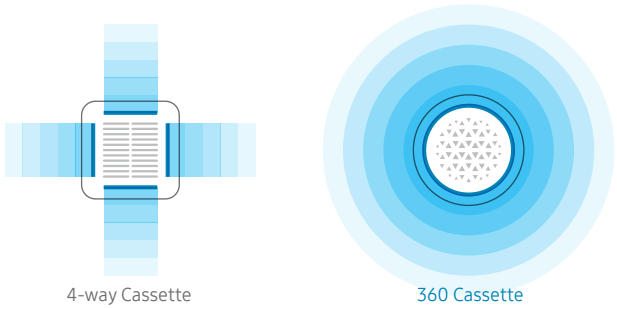


01

Evenly circulates air & cools every corner

Omni-directional Outlet

Conventional 4-way cassette type air conditioners create an uneven air flow, with areas that the cool air can't reach, as they only blow cold air in 4 directions*. So, depending on where you are, you'll notice that there are different temperatures across the room. The 360 Cassette features a circular outlet that blows cool air in all directions, so that every corner of the room has the same temperature**.



4-way Cassette | 360 Cassette



* Samsung testing, compared to a general 4-way cassette type air conditioner.
** Within a 9.3m radius the temperature difference is less than 0.6°C.



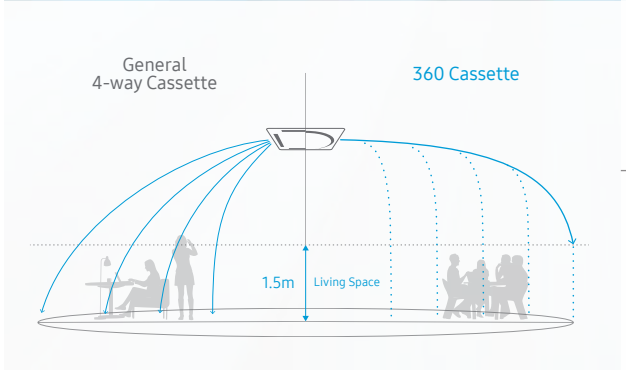
02

Comfortably cool, not unpleasantly cold

Bladeless Design

The blades of a conventional 4-way cassette type air conditioner create an unpleasant air flow that feels like a cold draft*. The 360 Cassette has a bladeless design, so cool air disperses gently and descends across the room like a natural wind, making people feel comfortably cool without the sensation of a cold draft on their skin**. As there are no blades to block the air flow, especially at low angles, it expels 25% more air* and spreads it farther, which means you can quickly enjoy a more comfortable environment across a wider area.

* Based on internal testing compared to a general 4-way cassette air conditioner.
** Within a 5m radius, no cold draft between 0~1.5m in height (with 14.0kW).





03

Spreads much more air in many more ways

Booster Fan

The 360 Cassette features a small Booster Fan that enables cool air to be expelled at much lower angles. It creates a low pressure area around the circular outlet by sucking in the surrounding air, so that the cool air comes out parallel to the ceiling and disperses across a wider area. This innovative and brand-new technology overcomes the usual limits of conventional outlets that use blades, as these obstruct the air at low angles and cause a significant loss of air flow*.



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

Cassette | 360 Cassette

Design & Control - Fits in beautifully, use intuitively

Combining an elegantly modern look with a powerful performance and effortless control, the Samsung 360 Cassette indoor unit can provide exceptional comfort and style in many locations.

04

A circular design that fits in everywhere

Innovative Circular Design

The 360 Cassette has an innovative circular design that enables it to match a multitude of interior designs, so it fits in perfectly everywhere. Its minimalist and elegant styling can help to create a sophisticated and distinctive look in many different sites. And its circular shape stands out beautifully when it's installed in an exposed ceiling, which is the most trendy of modern architectural designs.







05

Easy to use & see the air flow

Circular LED Display + Wireless Remote Controller

Using the 360 Cassette is a real pleasure as you can intuitively control its performance and see where the air is going. The Circular LED Display on the air conditioner also shows the actual direction that the air is flowing – vertically and horizontally. So with just one glance you can quickly tell where the air is going. And, its Wireless Remote Controller* features a Jog shuttle (wheel controller) and a dedicated button that provide an easy and fun way to adjust the strength of the air flow.



* Optional.









TOPTANI SHOPPING MALL
ALBANIA

NOVOTEL ITU GOLF & RESORT
BRAZIL

ICON SIAM
THAILAND

V-HOUSE
BRAZIL

MR. BROWN RESTAURANT
ITALY

DONGSIM
KOREA

THE COFFEE BEAN & TEA LEAF
PHILIPPINES

LEGO KOREA
KOREA

CAFÉ AMAZON
THAILAND

NOAH'S ROASTING
KOREA

GREENWOOD FISH MARKET
SINGAPORE

SKAVA MINAS
BRAZIL

A perfect circle ensures perfect harmony with your own style

The pleasing aesthetic of the 360 Cassette's circular design is the perfect way to enhance your interior surroundings. It also directs air uniformly in all directions, ensuring a fresh, natural and pleasant breeze that completely eliminates cold drafts. This unique combination of its visually stunning, yet extremely practical design led to the 360 Cassette winning the prestigious iF Award (International Forum Design Award) 2016.








Cassette | Wind-Free™ 4Way

Cools faster without direct wind, keeps you comfortable with less energy.



Enjoy a more effortless way to stay comfortably cool. The Samsung 4Way Cassette air conditioner's Wind-Free™ Cooling cools effectively and quietly without the unpleasant feeling of cold wind being blown directly onto your skin*. It also continually monitors the temperature and humidity and intelligently optimizes the operating mode to maximize efficiency and comfort. And its 84mm big blade with an optimized shape delivers cool air up to 10 meters** and will quickly and evenly cool a large space.

* Available only on the Wind-Free™ models.
** Based on internal testing on 4Way Cassette, AC140RN4DKG/EU, with a PCNUFMAN blade. Results may vary depending on environmental factors and individual use.



Comfort

—

Wind-Free™ Cooling

Smart Comfort Operation

Fresh Air Intake

Energy Saving

—

Wind-Free™ Cooling

Motion Detect Sensor

Performance

—

10m Long Wind

Installation

—

Lightweight Main Unit

Maintenance

—

Drain Pump with Check Valve

Detachable Blades

Control

—

SmartThings

Cassette | Wind-Free™ 4Way

Comfort - Automatically keeps you comfortable without cold drafts

The Samsung 4Way Cassette helps to create the ideal working or living conditions.
As well as preventing cold drafts, it also works really quietly
so there's less disturbance.



15,700
Micro Air Holes

01

Stay comfortably cool without feeling cold

Wind-Free™ Cooling

Stay feeling comfortable cool with the 4Way Cassette's Wind-Free™ Cooling. It cools effectively without the unpleasant sensation of cold wind being blown directly onto your skin. Cool air is gently dispersed across the room through 15,700 micro air holes. It creates a "Still Air" environment* with a very low air speed of just 0.15m/s and no drafts to disturb you. So, for example, you don't have to worry about restaurant customers or office staff being bothered by cold air.

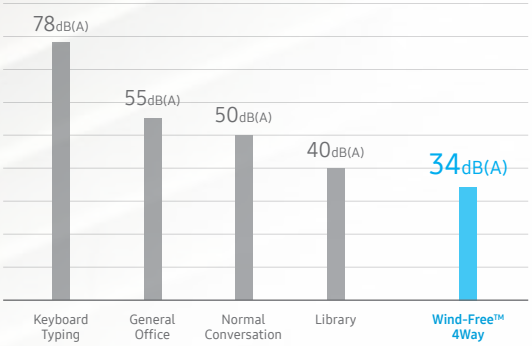
* Available only on the Wind-Free™ models.
* ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as when the velocity of air is below 0.15m/s, so people cannot feel any cold drafts.

02 Less detectable noise. Less disturbance.

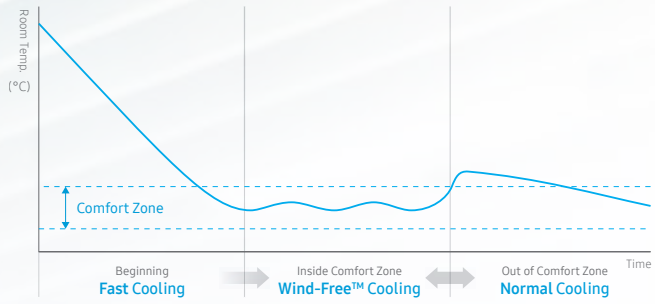
Wind-Free™ Cooling (Quiet Operation)

During the low speed Wind-Free™ operation, the 4Way Cassette minimizes ambient noise while gently dispersing cool air across the room. As a result, it generates only 34dB(A) of sound, which is significantly less detectable sound than normal cooling mode*. So it is ideal for spaces that need a quiet environment, such as libraries and schools.

* Available only on the Wind-Free™ models.
* Based on internal testing of the Wind-Free™ model AC071RN4DKG/EU. It generates a noticeable reduction in the 1kHz noise band, which is the weakest level of sound that humans are sensitive to.



03 Enjoy a more intelligent way of working



Smart Comfort Operation*

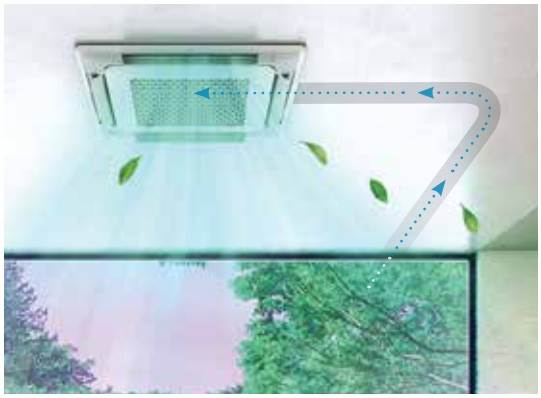
The 4Way Cassette continually monitors both the temperature and relative humidity and analyzes the room conditions. It then automatically switches between operating modes to keep everyone feeling really comfortable without the need for any manual control.

* Available only on the Wind-Free™ models.

04 Enjoy breathing more fresh outside air

Fresh Air Intake

Maintain a healthy indoor environment by introducing fresh outside air to the room simply by connecting a Fresh Air Intake hose. Without access to clean air, people in the building may end up inhaling air contaminated by mold or certain bacteria, as the same air is continually recirculated.



Cassette | Wind-Free™ 4Way

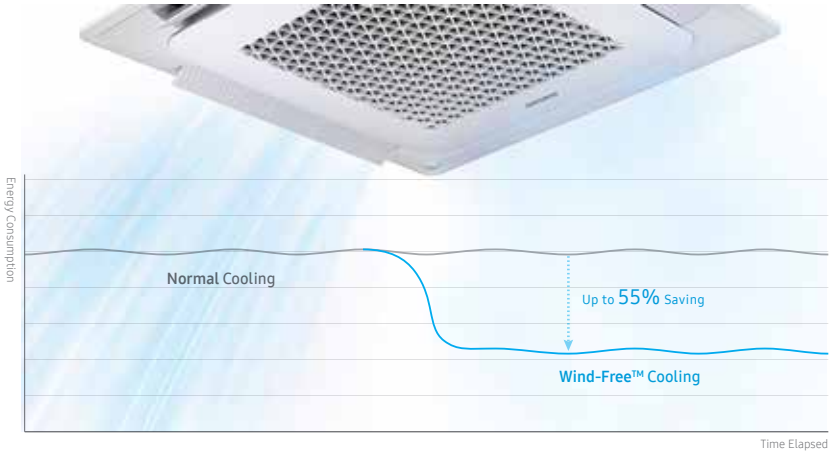
Energy Saving & Performance - Maximum comfort for minimum cost

You can easily and cost-effectively cool a large area with the Samsung 4Way Cassette. As well as being extremely energy-efficient, it also automatically avoids wasting energy on cooling unoccupied areas.

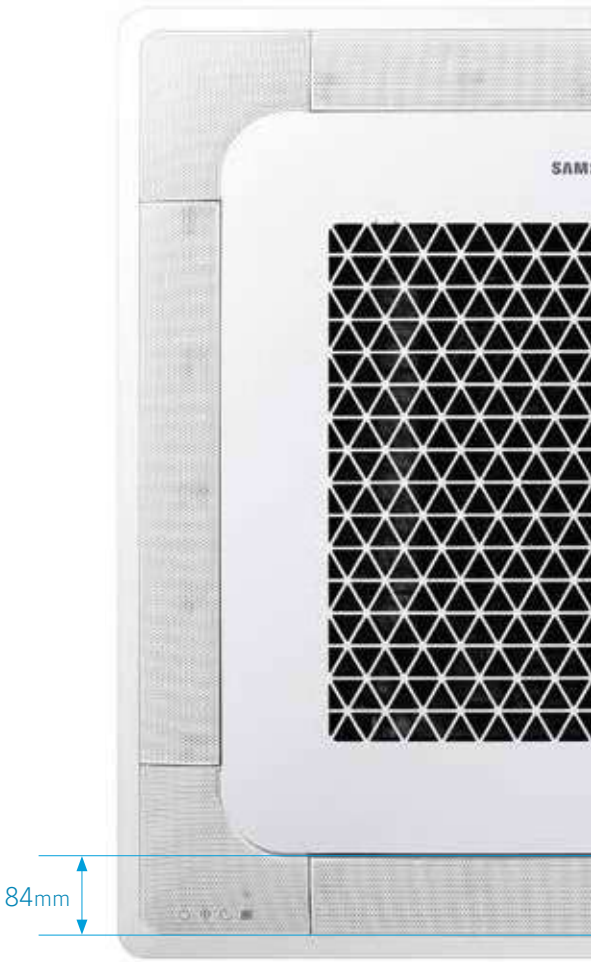
05 Reduces energy use by 55%* to save money

Wind-Free™ Cooling (Energy Saving)

Save money every day by optimizing power usage with the 4Way Cassette's highly energy-efficient Wind-Free™ Cooling. When operating in Wind-Free™ mode, the outdoor unit consumes only minimal power – using up to 55% less electricity compared to the normal cooling mode*. But it still provides sufficient cool air to maintain the desired temperature. So you can stay comfortably cool without worrying about your electricity bills.



* Available only on the Wind-Free™ models.
* Based on internal testing of the Wind-Free™ model AC140RN4DKG/EU working at 14.0kW. Operating conditions: outdoors (35°C DB / 24°C WB), indoors (27°C DB / 19°C WB). Results may vary depending on environmental factors and individual usage.



06 A big blade sends cool wind a long way

10m Long Wind**

Cool a large space quickly and evenly from corner to corner. The 4Way Cassette has an 84mm big blade that is 31% larger than normal*. It can deliver cool air a long distance, reaching up to 10 meters, which is two times the distance of a conventional 4-way system**. It also has an optimized blade shape, so it can cool a whole room rapidly and evenly without leaving any “dead zones”.



* Compared to a conventional 4Way Cassette with a 64mm blade.
** Based on internal testing on 4Way Cassette, AC140RN4DKG/EU, with a PCNUFMAN blade compared to a conventional 4Way model with a PC4NUSKAN blade. Results may vary depending on environmental factors and individual use.

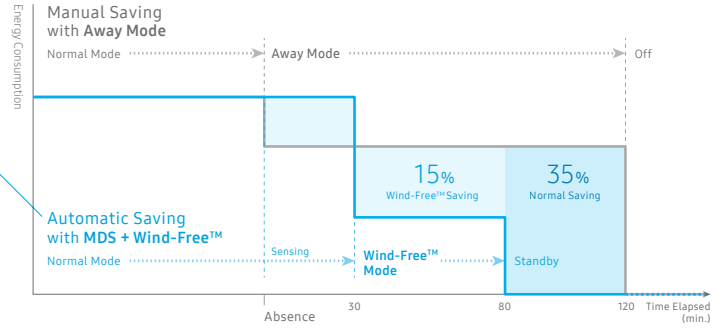
07

Automatic savings with less energy use

Motion Detect Sensor (MDS)*

Use less energy when rooms are empty – automatically. The 4Way Cassette's Motion Detect Sensor* detects if there's no movement after 30 minutes and switches to Wind-Free™ mode to save energy, before entering standby after 60 minutes**. If it detects any activity it returns to normal. Through this 2-step operation switching, it can reduce energy consumption by up to 50%***. So it's ideal in places that are often unoccupied, such as offices, conference rooms and school classrooms.



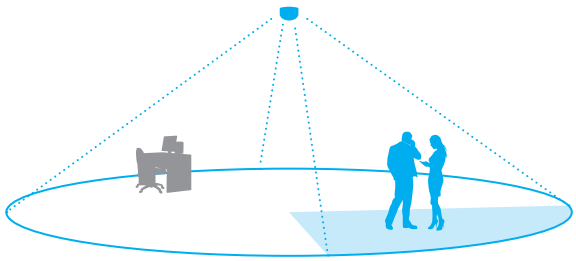



Detect Presence


2.7m
Sensor Height Range


12m
Sensor Width Range

The Motion Detect Sensor* ensures increased comfort by preventing the indoor unit from directing air towards individual people. It also detects the temperature around the floor to help reduce any variance in the thermal sensation felt by different parts of the body.



* This function is optional. An MDS Kit is required: MCR-SMC for the Wind-Free™ 4Way.

** Available only on the Wind-Free™ models. In the case of non Wind-Free™ models, it enters standby after 30 minutes instead of switching to Wind-Free™ mode.

*** Based on internal testing of Wind-Free™ 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 (35°C DB / 24°C WB), indoors (27°C DB / 19°C WB). Results may vary depending on environmental factors and individual usage.

Cassette | Wind-Free™ 4Way

Installation, Maintenance & Control - Save time and effort

The lightweight design of the Samsung 4Way Cassette air conditioner makes it much easier to install. And its also simple to maintain and use, thanks to its washable blades and remote control using a smartphone.

08 Easy to handle & install with less effort

Lightweight Main Unit

Unlike conventional air conditioners, the main unit is made of plastic plates, so it is approximately 30% lighter*. Its lightweight construction makes it much easier to handle and set up, and means it can be installed with less difficulty.



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

09 Easily detachable and washable blades

Detachable Blades

The blades can be easily removed and quickly washed in water to remove any dust or debris that has collected on them. So you can ensure that they continue to deliver the optimal air flow and help to maintain a clean and hygienic environment.



10 Added peace of mind with no backflow

Drain Pump with Check Valve



Worry much less about water stagnation or the overflow of drain water. A Drain Pump with Check Valve prevents condensed water from flowing back and dripping into indoor spaces. Less water also collects in the Drain Board, so it stays clean and there is less risk of bacteria and fungi growing.

11 Remotely control it anytime, anywhere

SmartThings (Integrated Control)



Control your air conditioner when you're on the go. Using the Smart-Things App* on a smartphone you can remotely control it anytime and anywhere. With just a simple touch you can turn it on and off, select the cooling mode, schedule its opera-tion, group devices or monitor the power consumption.

* Available on Android and iOS devices. A Wi-Fi connection, Samsung account and an optional OCF Wi-Fi Kit are required.



Cassette | Wind-Free™ 4Way 600x600

Add chic flair to your interior design, add comfort to your work and life.



Samsung's advanced 4Way Cassette 600x600 builds on the aesthetic appeal and performance of the standard 4Way Cassette with an enhanced design. Its minimalist styling and simple panel pattern will elegantly complement any interior. The stylish cassette unit visually harmonizes with the indoor space, while efficient cooling and heating performance make it a dependable and practical air conditioning solution.



Comfort

—

Wind-Free™ Cooling

Smart Comfort Operation

Advanced Air Control Features

Turbo Fan

Ionizer Kit

Energy Saving

—

Wind-Free™ Cooling

Motion Detect Sensor

Design

—

Harmonious Design

Simple and Intuitive Display

Installagtion

—

Architectural Panel Size

Lightweight Main Unit

Maintenance

—

Drain Pump with Check Valve

Flexible Design

Cassette | Wind-Free™ 4Way 600x600

Comfort - Automatically keeps you comfortable without cold drafts

As well as preventing cold drafts, the Samsung 4Way Cassette 600x600 also works really quietly so there's less disturbance. And it intelligently optimizes its performance to ensure maximum efficiency.

01

Stay comfortably cool without feeling cold

Wind-Free™ Cooling

Stay feeling comfortable cool with the 4Way Cassette 600x600's Wind-Free™ Cooling. It cools effectively without the unpleasant sensation of cold wind being blown directly onto your skin. Cool air is gently dispersed across the room through 9,000 micro air holes. It creates a "Still Air" environment* with a very low air speed of just 0.15m/s and no drafts to disturb you. So, for example, you don't have to worry about restaurant customers or office staff being bothered by cold air.



9,000
Micro Air Holes

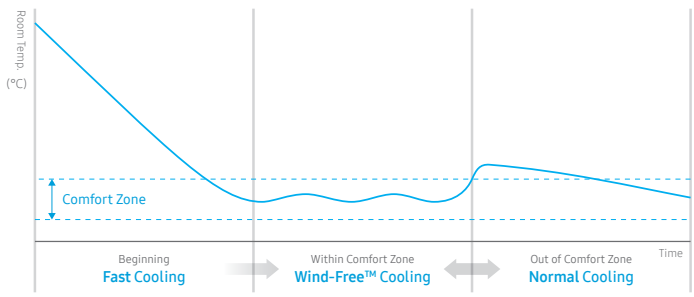
* Available only on the Wind-Free™ models.
* ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as when the velocity of air is below 0.15m/s, so people cannot feel any cold drafts.

02

Enjoy a more intelligent way of working

Smart Comfort Operation

The 4Way Cassette 600x600 continually monitors both the temperature and relative humidity and analyzes the room conditions. It then automatically switches between operating modes to keep everyone feeling really comfortable without the need for any manual control. And it can quickly cool the air before changing to Wind-Free™ or normal cooling to maximize efficiency.



* Available only on the Wind-Free™ models.

03

Controls air to maximize comfort

Advanced Air Control Features

The 4Way Cassette 600x600 creates a pleasant indoor environment by smartly controlling the air flow. It automatically adjusts the air volume and changes the direction of air flow so that it does not blow unpleasant cold air directly onto people. And the angle of each blade can be controlled individually, so users can precisely adjust the directions of air flow to cool or heat the space more efficiently.



Comfortable air flow control

A Comfort Air Flow Control function* prevents cold drafts by automatically expelling less cool air if the room temperature reaches 23°C when in cooling mode.

* Only when connected to the DVM S outdoor unit.



Individual blade control

Using a remote controller, users can create just the right atmosphere by adjusting the angles of the individual fan blades within a 32°-65° range to ensure more effective and efficient cooling.



Motion Detect Sensor (MDS)

The innovative MDS ensures increased comfort by preventing air from being blown directly at people. It also detects the temperature around the floor to help to reduce any variance in the thermal sensation.

04

Silent, uniform air distribution



Turbo Fan

The aerodynamic design of the Turbo Fan minimizes the noise caused by the blade movement. And its wide blades evenly distribute extremely cool or warm air through four separate outlets, so the entire room cools down or warms up faster.

05

Automatically clean and pure air

Ionizer Kit (Optional)

With an optional Ionizer Kit, the Samsung 4Way Cassette 600x600 can sanitize indoor air by generating active hydrogen and oxygen ions that help to reduce airborne viruses and bacteria.





Cassette | Wind-Free™ 4Way 600x600

Energy Saving - Intelligently saves more

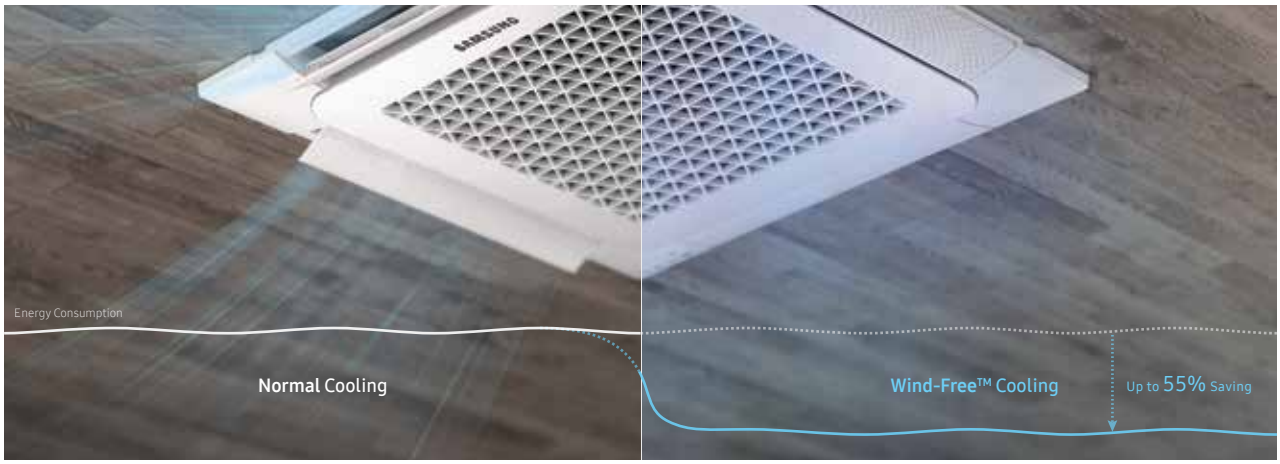
With the Samsung 4Way Cassette 600x600, you can cost-effectively cool your home or workplace. As well as being extremely energy-efficient, it also automatically avoids wasting energy on cooling unoccupied areas.

06 Reduces energy use by 55%* to save money

Wind-Free™ Cooling (Energy Saving)

Save money every day by optimizing power usage with the 4Way Cassette 600x600's highly energy-efficient Wind-Free™ Cooling. When operating in Wind-Free™ mode, the outdoor unit consumes only minimal power – using up to 55% less electricity compared to the normal cooling mode*. But it still provides sufficient cool air to maintain the desired temperature. So you can stay comfortably cool without worrying about your electricity bills.

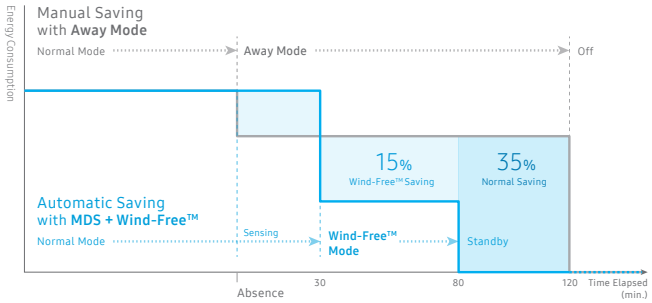
* Based on internal testing of the Wind-Free™ model AC140RN4DKG/EU working at 14.0kW. Operating conditions: outdoors (35°C DB / 24°C WB), indoors (27°C DB / 19°C WB). Results may vary depending on environmental factors and individual usage.



07 Automatic savings with less energy use

Motion Detect Sensor (MDS)*

Use less energy when rooms are empty – automatically. The 4Way Cassette 600x600's Motion Detect Sensor* detects if there's no movement after 30 minutes and switches to Wind-Free™ mode to save energy, before entering standby after 60 minutes**. If it detects any activity it returns to normal. Through this 2-step operation switching, it can reduce energy consumption by up to 50%***. So it's ideal in places that are often unoccupied, such as offices, conference rooms and school classrooms.



* This function is optional. An MDS Kit is required: MCR-SMD for the Wind-Free™ 4Way 600x600.

** Available only on the Wind-Free™ models. In the case of non Wind-Free™ models, it enters standby after 30 minutes instead of switching to Wind-Free™ mode.

*** Based on internal testing of Wind-Free™ 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 (35°C DB / 24°C WB), indoors (27°C DB / 19°C WB). Results may vary depending on environmental factors and individual usage.

Design - Easy to customize and harmonize

The 4Way Cassette 600x600 blends harmoniously into any environment with its stylishly minimalist design and discrete, but easy-to-use display.

08

Seamlessly blends into any interior

Harmonious Design

The enhanced Samsung 4Way Cassette 600x600 features a minimalist and sophisticated look with a frameless, edge-to-edge design, so it will blend seamlessly and beautifully into any interior style. Especially as its clever blade construction gives the unit a clean and tidy appearance.

Frameless, Edge-to-Edge Style

The 4Way Cassette 600x600 has no visible frame when blades close, so it looks neat and clean on any type of ceiling. Its straight lines and geometric curves combine to create a minimal and sophisticated look.

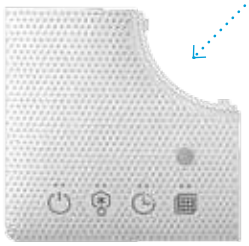


Simple and Intuitive Display

A simple display on the 4Way Cassette 600x600 shows the operational status clearly and intuitively.







Built-in Remote Control Receiver

The 4Way Cassette 600x600 comes with a Remote Control Receiver as standard, which is usually sold separately. So you don't need to buy it to use a wireless Remote Controller.

Cassette | Wind-Free™ 4Way 600x600

Installation & Maintenance - Save time, effort and space

The practical sizing and lightweight design of the Samsung Wind-Free™ 4Way 600x600 make it much easier to install. And its also simple to maintain thanks to its flexible design, featuring a detachable panel and blades.





Main Unit Dimensions (W x D mm)

575 x 575

Main Unit Weight (kg)

11.5

09

Perfect architectural ceiling tile size

Architectural Panel Size

The 4Way Cassette 600x600 has a practical size of panel design, which can be installed within one ceiling tile (600mm x 600mm) without disturbing the lights or sprinklers installed in the adjacent ceiling tiles. So it reduces the cost and effort required for any supplementary construction.

10

Easy to handle & install with less effort

Lightweight Main Unit

The main unit of the 4Way Cassette 600x600 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.

11 Added peace of mind with no backflow

Drain Pump with Check Valve

Worry much less about water stagnation or the overflow of drain water. The 4Way Cassette 600x600 has a Drain Pump with Check Valve that prevents the condensed water collected during the cooling process from flowing back into the system. So it cannot overflow and drip into indoor spaces. It also minimizes the amount of water that collects in the Drain Board, so it stays clean and has less rust and there is less risk of odor-causing bacteria and fungi growing in stagnant water.



12 Streamline management with a flexible design

Flexible Design

The 4Way Cassette 600x600 is uniquely designed for easy management. Featuring a detachable panel and air flow blades, this unit offers quick, simple set-up and maintenance for the ultimate in 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.

Cassette | 2Way

Specially designed to fit in effortlessly and cool long areas effectively.



Ensure a consistently comfortable environment even if space is restricted. The compact design of the Samsung 2Way Cassette air conditioner is ideal for long and narrow areas, like corridors. It uses 26% less space* than a Samsung 4Way Cassette and is easier to install and maintain. With two motors and two fans it powerfully distributes cool or warm air throughout a large area, even if it is long and wide. And the Auto Surround Swing system ensures an even temperature from corner to corner.

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



COMPASS SKYVIEW HOTEL
BANGKOK, THAILAND

Comfort

—

Compact Design with 2-way Air Flow

Auto Surround Swing

2 Motors and 2 Fans

Optimum Temperature Control

Installation

—

Compact Size & Ultralight Weight

Advanced Drain Hose

Maintenance

—

High Lift-up Drain Pump with Check Valve

Self-diagnosis

Cassette | 2Way

Comfort - Delivers consistent comfort over a long area

Even though it has a compact design, the Samsung 2Way Cassette is still very powerful. And its 2-way air flow spreads air evenly over a greater distance, so it is ideal for cooling or heating long and narrow spaces.



01

Cools & heats long or narrow areas evenly

Compact Design with 2-way Air Flow

Make good use of valuable space with the compact 2Way Cassette. It is ideal for cooling or heating long and narrow areas, such as rectangular offices or hallways and corridors in hotels, schools and hospitals. Its 2-way air flow distributes air evenly over a long distance without any temperature deviation.

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

02

Cools even farther and in every direction

Auto Surround Swing

The 2Way Cassette features an innovative Twin Cross Flow Fan and an optimized air flow path, which enable air to be blown out over a long distance. Its Auto Surround Swing system then automatically distributes the air in every direction, ensuring that it is evenly distributed across the whole room. So you can enjoy a comfortable environment with an even temperature in every corner.



03 Comfort from corner to corner

2 Motors and 2 Fans

Enjoy comfortable conditions wherever you are with the desired temperature in every corner of your room. The 2Way Cassette has two motors and two fans that can spread cool or warm air evenly throughout a large room, even if it is long and wide. They optimize the distribution and volume of air from two outlets, which ensures that a space quickly reaches the desired temperature – and stays that way.

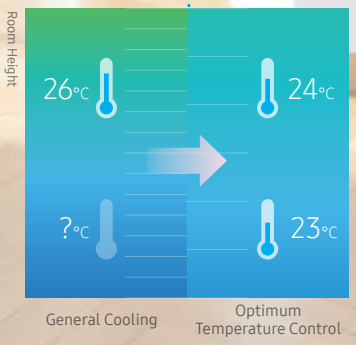


04 Provides optimal comfort vertically

Optimum Temperature Control

Ensure a balanced and comfortable climate by ensuring a consistent vertical temperature across an entire room. The 2Way Cassette has an Optimum Temperature Control feature. It detects the temperature at the top and bottom of the area and then minimizes the difference and maintains the optimal temperature at every height in the room. Simply use the temperature sensor of the indoor unit and the wired remote control* to set up the indoor temperature detection conditions.

* Wired remote control model: MWR-WE13N, MWR-WG00JN.



Cassette | 2Way

Installation - Fits into more spaces, requires less effort

The compact and lightweight design of the Samsung 2Way Cassette air conditioner means it can be used in many more places. Especially as it also features a High Lift-up Drain Pump and easy to install drainage.

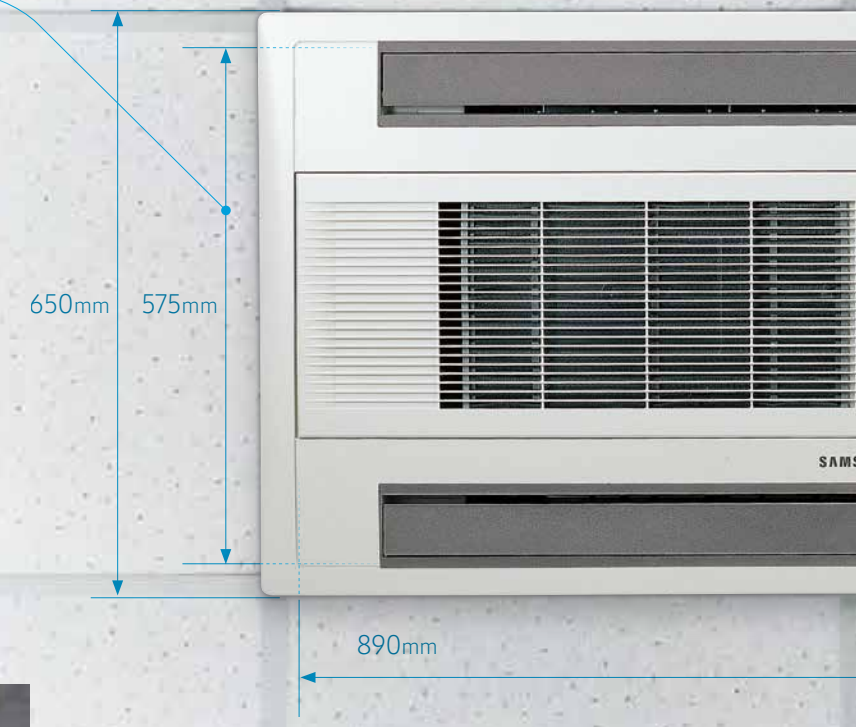
05 Easily install with fewer limitations

Compact Size & Ultralight Weight

The 2Way Cassette features a compact and ultralight design, so there are fewer limits on where it can be installed and it can be easily incorporated into a building's existing design. In addition, its dimensions ensure that it can be conveniently slotted into standard ceiling grids (600mm x 600mm), so it provides a tailored fit that blends nearly unnoticeably into he interior framework and frees up space for other uses.

Main Unit Dimensions (W x H x D mm)

890 x 575 x 230



06 Easy-to-install drainage

Advanced Drain Hose*

The 2Way Cassette features an Advanced Drain Hose. It's so simple to use that you can even install the drain yourself, saving time and money.



* Optional.

Maintenance - Hassle-free operation and problem solving

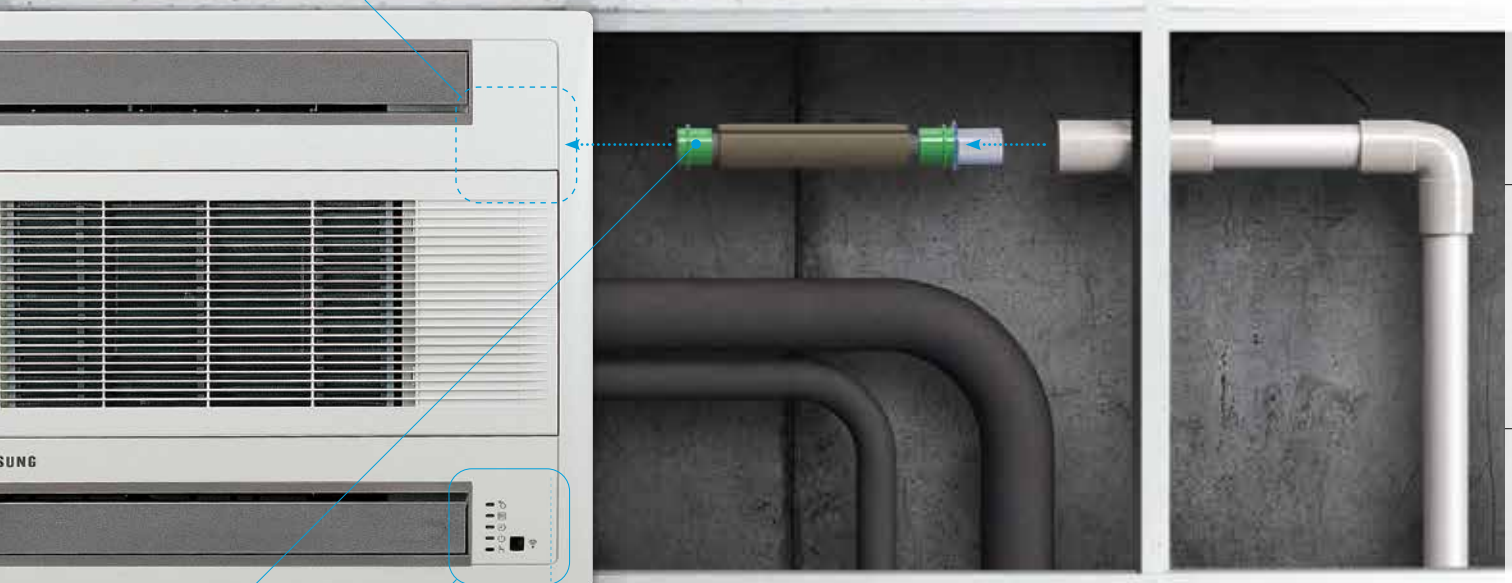
The Samsung 2Way Cassette air conditioner is designed to prevent potentially damaging leaks and also minimize any unnecessary downtime with its advanced Self-diagnosis function.

07 Flexible installation in more locations



High Lift-up Drain Pump with Check Valve

Enjoy more convenience and less risk of contamination. The 2Way Cassette has an optional High Lift-Up Drain Pump. It lifts condensed water up to 750mm, compared with the previous limit of 700mm. It reduces the usual constraints on drain installation, so you have more flexibility in selecting the optimum location. And a Check Valve prevents water from flowing back into the drain, so you don't have to worry about water stagnation or overflows that drip into indoor spaces.





08 Rapidly identify errors & reduce downtime

Self-diagnosis

Minimize the inconvenience of a broken air conditioner. The 2Way Cassette's Self-diagnosis function alerts you to malfunctions straight away. It means that you can quickly arrange a service repair visit. And an error code and LED light enable engineers to easily identify the cause of any failure, helping to reduce the time it takes to diagnose and fix the problem.

Cassette | Wind-Free™ 1Way

Simply fits into a small ceiling space. Efficiently cools with no cold wind.



Create a comfortably cool environment in every corner. The Samsung 1Way Cassette air conditioner's Wind-Free™ Cooling cools effectively without the unpleasant feeling of cold wind being blown directly onto your skin. It's energy-efficient operation also means that the outdoor unit uses less electricity compared to the normal mode*. And a 100mm big blade with a wider operating angle delivers cool air longer and maintains an even temperature everywhere.



THE SHARP, PANGYO
PANGYO, KOREA

Comfort

—

Wind-Free™ Cooling

Smart Comfort Operation

Quiet Operation

Energy Saving

—

Wind-Free™ Cooling

Performance

—

8m Long Wind

Auto Swing

Installation

—

Slim Design

Cassette | Wind-Free™ 1Way

Comfort & Energy Saving - Cools comfortably and uses less energy

The Samsung 1Way Cassette air conditioner delivers a unique level of comfort by cooling optimally, without the unpleasant feeling of cold air on your skin, while minimizing noise and energy use.

01

Stay comfortably cool without feeling cold

Wind-Free™ Cooling*

Stay feeling comfortable cool with Wind-Free™ Cooling. It cools effectively without the unpleasant sensation of cold wind being blown directly onto your skin. Cool air is gently dispersed across the room through 10,000 micro air holes, which creates a "Still Air" environment** with a very low air speed of 0.15m/s. There are no drafts to disturb you and you don't feel too hot or too cold. So if your children kick off the blanket at night you don't have to worry about them feeling cold in the room.



10,000
Micro Air Holes

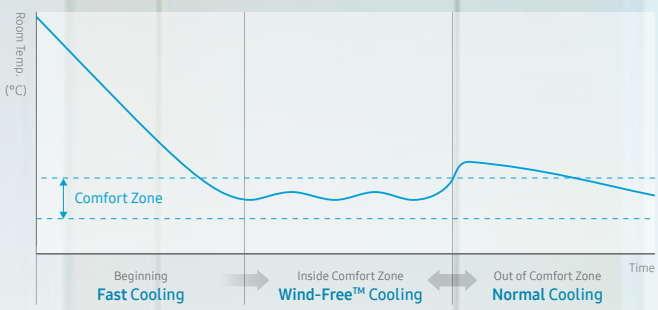
* Available only on the Wind-Free™ models.
** ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as when the velocity of air is below 0.15m/s, so people cannot feel any cold drafts.

02

Enjoy a more intelligent way of working

Smart Comfort Operation*

Experience an intelligent way of creating the ideal room conditions. The 1Way Cassette continually monitors both the temperature and relative humidity and analyzes the room conditions. It then automatically switches between operating modes to keep everyone feeling really comfortable without the need for any manual control.



* Available only on the Wind-Free™ models.

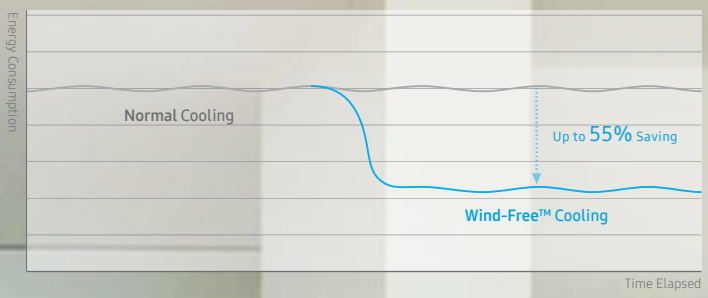


03

Reduces energy use by 55%** to save money

Wind-Free™ Cooling* (Energy Saving)

Save money every day by optimizing power usage with the 1Way Cassette's highly energy-efficient Wind-Free™ cooling. When operating in Wind-Free™ mode, the outdoor unit consumes only minimal power – using up to 55% less electricity compared to the normal mode**. But it still provides sufficient cool air to maintain the desired temperature. So you can stay comfortably cool without worrying about your electricity bills.



* Available only on the Wind-Free™ models.

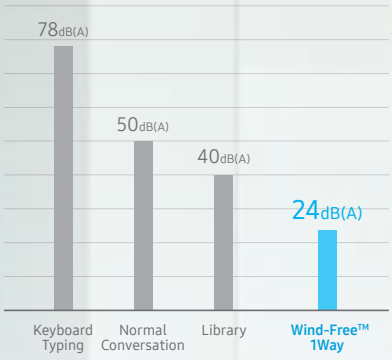
** Based on internal testing: Outdoor unit AM050FXMDEH running simultaneously with Indoor units AM056NN1DEH, AM036NN1DEH, AM022NN1DEH. Temperature conditions: Outdoor 35°C DB / 24°C WB, Indoor 27°C DB / 19°C WB. Results may vary depending on environmental factors and individual use.

04

Enjoy a quiet night without disturbance

Quiet Operation

The Samsung 1Way Cassette air conditioner drastically reduces the amount of noise created by the air being dispersed. At its lowest level it only generates 24dB(A) of sound*, which is almost as quiet as a whisper. It means you won't be disturbed by unpleasant noise when you're going to sleep – or doing anything else. So it's ideal for places where you sleep, relax, concentrate or are sensitive to noise, such as the bedroom, study or baby's room.



* Based on internal testing of a 3.6kW model when set to Wind-Free™ mode. Results may vary depending on environmental factors and individual use.

Cassette | Wind-Free™ 1Way

Performance - Cools farther, from corner to corner

The Samsung 1Way Cassette air conditioner is designed to cool a large area - quickly and efficiently. Its big blade sends air over a much longer and wider area, while Auto Swing distributes air in every direction.

05 A big blade sends cool wind a long way

Long Wind

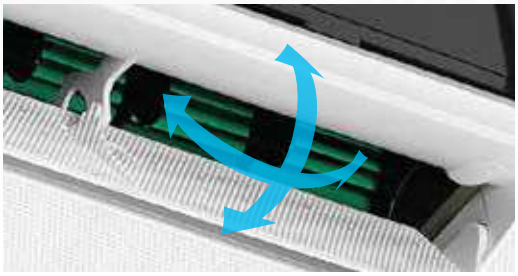
Cool your room quickly from corner to corner. The 1Way Cassette has a 100mm big blade that can deliver cool air over a long distance, reaching up to 8 meters*. It also has a wider operating angle, as the blade can move between 40 to 80 degrees. So it can cool a whole room rapidly and evenly by dispersing cool air farther and into every corner, without leaving any "dead zones".

* Based on internal testing on a 7.1kW model. Horizontal wind range: sitting height = 0.6m, wind speed = 0.3m/s. Results may vary depending on environmental factors and individual use.

06 Heats or cools evenly in every corner

Auto Swing*

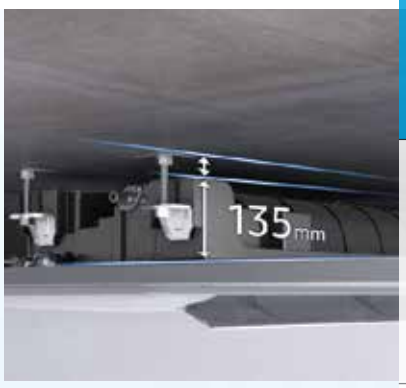
Create a comfortable environment with an even temperature in every corner of a room. Conventional 1-way systems are normally installed in the ceiling and it's difficult to manually adjust the wind direction from left to right. The 1Way Cassette's Auto Swing function* automatically expels cool air in every direction. As well as the auto up-down swing function it also has an auto left-right swing function, so air is evenly distributed across the room.



* Only available on certain models.

Installation - Fits into a small ceiling space

It can be difficult to find space for an air conditioner, especially without impacting the interior. The Samsung 1Way Cassette has a slim and elegant design that will fit seamlessly into many locations.

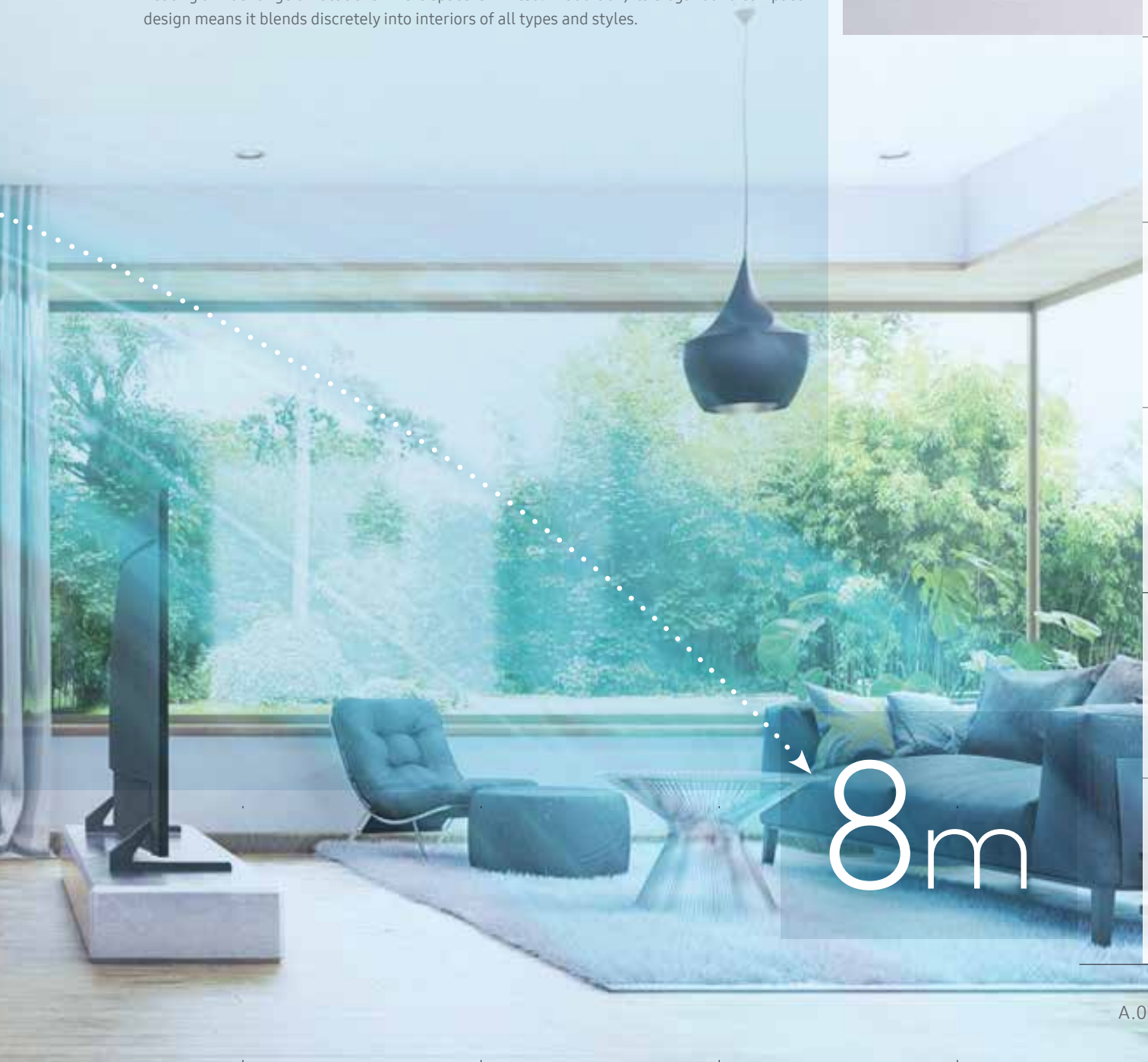


07

Compact & elegant for extra flexibility

Slim Design

The 1Way Cassette's extremely slim design has a height of only 135mm and can fit into a small ceiling space of just 155mm. So it provides a suitable and effective solution for cooling and heating a wide range of locations where space is limited. In addition, its elegant and compact design means it blends discretely into interiors of all types and styles.



Ducted | Slim Duct

Flexibly install in a very low space. Delivers comfort with easy maintenance.



Choose where to locate your air conditioner with more flexibility. The Samsung Slim Duct air conditioner is a slim design ducted indoor unit that has a 2-way Air Inlet, so it can be configured to suit almost any room. Being just 199mm high and 700mm wide*, it can also be discretely concealed in many locations and is easy to install, maintain and repair. Especially as the filter cleaning indicator automatically notifies you when the filter is due for cleaning after 1,000 hours of operation**.

* 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.



HONGQIAO INTERNATIONAL GARDEN
SHAGHAI, CHINA

Flexibility

—

2-way Air Inlet

Slim & Compact Design
(199mm Height)

High Lift-Up Drain Pump

Easier Drain Pump Installation

Comfort

—

Purification System

Convenience

—

Easy Access

Easy Filter Cleaning

Ducted | Slim Duct

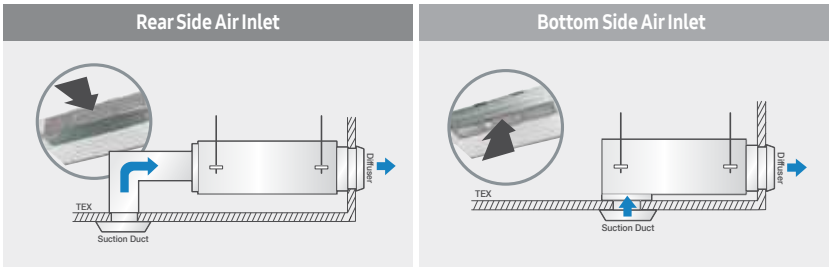
Flexibility - Easily install in various ceiling conditions

The slim and compact Samsung Slim Duct air conditioner visually blends into the ceiling. It's also easy to maintain in any interior regardless of the surrounding environment.

01 Fits into many different spaces

2-way Air Inlet

The Slim Duct features a 2-way air inlet – bottom or rear – that gives you much more flexibility in selecting an installation location. It can be configured to suit almost any room, providing the optimum air flow to the surrounding space, while being discretely concealed behind ceilings, so it blends in.





02 Blends in seamlessly

Slim & Compact Design (199mm Height)

Enhance the look and feel of almost any space. With a height of just 199mm and a width of 700mm*, the Slim Duct's slim and compact design is highly elegant and unobtrusive, so it can be discretely concealed in many more locations. It also makes its installation, maintenance and repair quick and easy, so it provides a suitable and effective solution for cooling and heating a wide range of businesses.

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

03 Flexible installation in more locations

Optional High Lift-Up Drain Pump, Easier Drain Pump Installation

Enjoy a greater choice of possible installation locations. The Slim Duct includes the option of a High Lift-Up Drain Pump*. It lifts the condensed water collected during the cooling operation up to 750mm, compared with the previous limit of 700mm. So you have more flexibility in selecting the optimum location for the unit, and can install and maintain it conveniently. Especially as you can check, repair or install a new drain pump by simply removing the right-side panel.

* Specifications of a Drain Pump may vary by model.



Comfort & Convenience - Extra safe and simple to use

The Samsung Slim Duct air conditioner is really easy and cost-effective to maintain, so you can ensure it always works efficiently. And it even purifies the air to keep your environment hygienic.

04 Easy to service - quickly and affordably

Easy Access

The Slim Duct features a flexible design that enables easy access to its parts. As a result, it's simple to service, reducing the time and cost of maintenance.



05 Simpler, lower cost filter maintenance

Easy Filter Cleaning

The Slim Duct has a filter cleaning indicator that automatically notifies you when the filter is due for cleaning after 1,000 hours of operation*. The design of the duct system makes this is an extremely simple process, as the filter can be easily removed, so it reduces the maintenance time and the subsequent financial impact on your business.

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

06 Hygienic operation

Purification System*

Make sure that the air you breathe in your premises is always clean and hygienic. The Slim Duct has a purification system that is specifically designed to trap dust particles in the surrounding air. It also helps to minimize the spread of mold spores and potentially harmful bacteria.



* Optional.

Ducted | MSP Duct

Keeps large areas comfortable, keeps working with less hassle.



Cool or heat large areas much more easily and effectively. The Samsung MSP Duct air conditioner is a medium ESP duct air conditioner that delivers maximum comfort and convenience in a range of work, domestic or recreational environments. Its external static pressure (ESP) control can be easily adjusted to optimize the air volume and pressure. And its design produces greater static pressure, so it has a powerful yet silent operation, and enables more flexible installation and simpler maintenance.



WEWORK
BUENOS AIRES, ARGENTINA

Comfort

—

MSP Duct Design

External Static Pressure (ESP) Control

Purification System

Installation

—

Compact & Flexibie Design

High Lift-Up Drain Pump

Easier Drain Pump Installation

Maintenance

—

Compact & Flexibie Design

Easy Filter Cleaning

Ducted | MSP Duct

Optimized Comfort - Delivers consistent comfort in big spaces

The Samsung MSP Duct is ideal for large spaces as it delivers much more air over a longer distance. And it can be easily adjusted to provide a consistent level of comfort in a variety of environments.

01 Reliably & flexibly covers large areas

MSP Duct Design

The MSP Duct is designed as a Medium ESP duct air conditioner that produces greater static pressure than most other slim duct units*, so it has a powerful yet silent operation. It has more inlets and outlets with longer duct work, so it can deliver even more cool or warm air to large areas and provides more flexibility with a range of installation options. It also means it is simpler to maintain wherever it's installed, which saves you time and money.

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



02 Easily optimized comfort & performance

External Static Pressure (ESP) Control



The external static pressure (ESP) control can be easily adjusted to optimize the air volume and pressure and minimize noise. So it ensures consistent cooling and heating in a broad range of work, domestic or recreational settings.

03 Keeps the air clean and hygienic

Purification System*

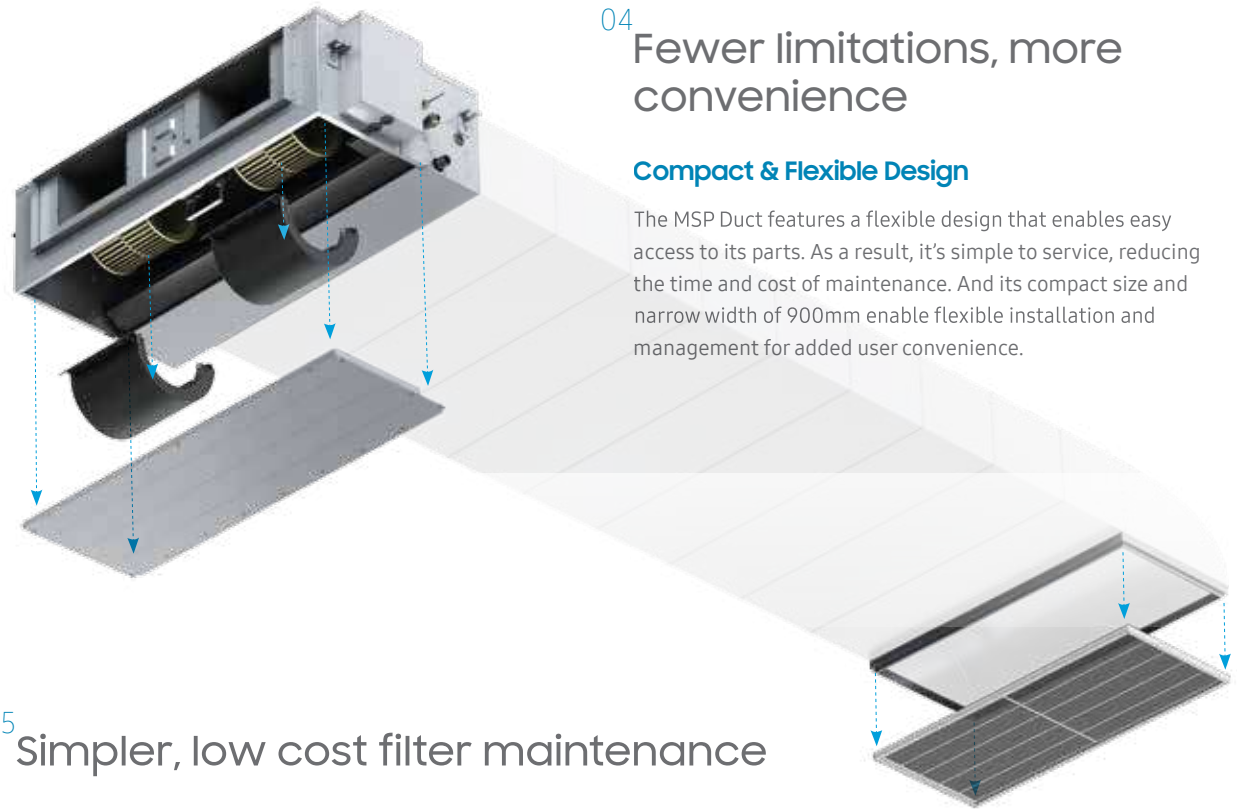
Make sure that the air you breathe in your premises is always clean and hygienic. The MSP Duct has a purification system that is specifically designed to trap dust particles in the surrounding air. It also helps to minimize the spread of mold spores and potentially harmful bacteria.

* Optional.



Installation & Maintenance - Save time, effort and space

The flexible design and compact size of the Samsung MSP Duct make it simple and cost-effective to install and maintain. Especially as it has an easy to clean filter and an optional High Lift-up Drain Pump.



04 Fewer limitations, more convenience

Compact & Flexible Design

The MSP Duct features a flexible design that enables easy access to its parts. As a result, it's simple to service, reducing the time and cost of maintenance. And its compact size and narrow width of 900mm enable flexible installation and management for added user convenience.

05 Simpler, low cost filter maintenance

Easy Filter Cleaning

The MSP Duct has a filter cleaning indicator that automatically notifies you when the filter is due for cleaning after 1,000 hours of operation*. The design of the duct system makes this is an extremely simple process, as the filter can be easily removed, so it reduces the maintenance time and the subsequent financial impact on your business.

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



06 Flexible installation in more locations

Optional High Lift-Up Drain Pump, Easier Drain Pump Installation

The MSP Duct includes the option of a High Lift-Up Drain Pump. It lifts the condensed water collected during the cooling operation up to 750mm, compared with the previous limit of 700mm. So you have more flexibility in selecting the optimum location for the unit, and can install and maintain it conveniently. Especially as you can check, repair or install a new drain pump by simply removing the right-side panel.

* Specifications of a Drain Pump may vary by model.

Ducted | Duct S

Versatility as standard. All of your duct needs equipped in just one unit.



Install and service your air conditioner more easily in more locations. The Samsung Duct S air conditioner is a compact and lightweight ducted indoor unit. Being 25% smaller and 30% lighter than conventional air conditioners* it fits into even the smallest spaces. But it still delivers consistent cooling and heating as it automatically optimizes the air volume and pressure and minimizes noise. And its 3-way service access makes it simple and cost-effective to maintain wherever it is located.

* Based on internal testing comparing the Samsung Duct S AM030MNHDCH/AA model with the conventional AM030JNHDCH/AA model. Volume: Duct S = 210L vs. Conventional = 280.8L. Weight: Duct S = 40.5kg vs. Conventional = 58kg.



NOVOTEL ITU GOLF & RESORT
ITU, BRAZIL

Efficiency

—

New Sirocco Fan

Twin Rotary BLDC Compressor

Comfort

—

Smart Tuning

Away Mode

Control

—

Smart Wi-Fi

Installagtion

—

Compact & Lightweight

Auto ESP Adjustment

Maintenance

—

3-way Service Access

Plug-and-Connect
Drain Pump

Ducted | Duct S

Efficiency & Comfort - Stay comfortable with less effort and energy

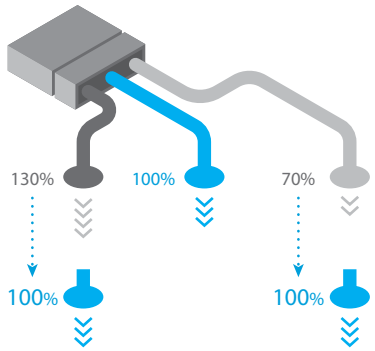
The Samsung Duct S air conditioner is a global frontrunner in energy-efficient design, temperature control and power. And its smart capabilities intelligently optimize its performance to suit your changing needs.

01

Automatically more comfort & performance

Auto ESP Adjustment

Enjoy maximum comfort and efficiency with minimum effort in any environmental conditions. The Auto ESP Adjustment function automatically senses the external static pressure (ESP), whatever the length of duct. It then quickly adjusts the fan speed to optimize the air volume and pressure and minimize noise, ensuring consistent cooling and heating power in any situation. The ESP can also be easily adjusted using a remote control, which reduces the installation time.

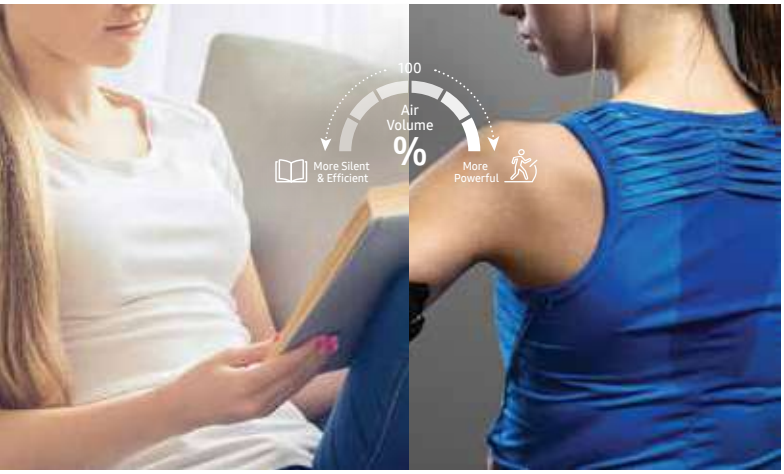


02

Simply more comfort, whatever you are doing

Smart Tuning

Smart Tuning provides the delicate control needed to ensure optimum performance on any occasion. You can easily fine-tune the settings of its operation to suit your level of activity. So whether you're working out or reading a book you can do it in maximum comfort, while also minimizing noise and saving energy by using the most efficient settings.

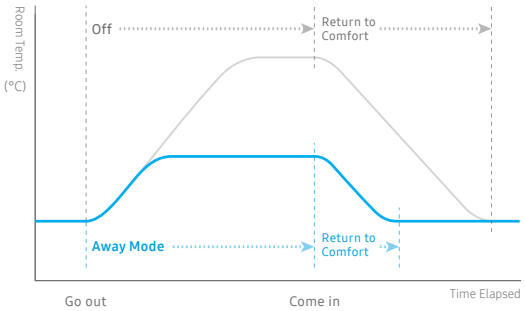


03

Optimized operation when away from home

Away Mode

Avoid wasting energy when you're not at home. If you're out of the house, simply select the Duct S air conditioner's Away Mode. It will maintain the optimal temperature with minimal operation during your absence. So it saves energy, but you will always feel comfortable when you return.



Control - Your comfort is in your hands

With the Samsung Duct S air conditioner you can easily optimize the conditions in multiple spaces with a simple touch. And you can even adjust its performance when you're not there.

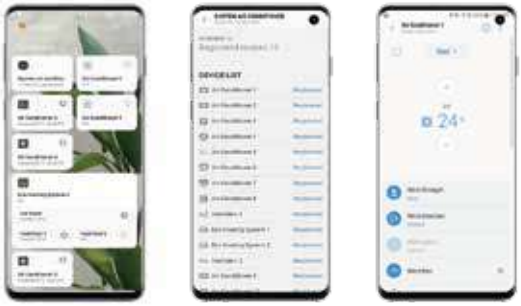


04

Remotely control it anytime, anywhere

Smart Wi-Fi

Control your air conditioner when you're on the go. Using the Smart Wi-Fi function on a smartphone* you can remotely control the Duct S anytime and anywhere. With a simple touch you can turn it on and off and select the operating mode and temperature. Or you can schedule when it starts and stops and control other functions. So, even when you're not there, it gives you peace of mind that your workplace or home are cooled efficiently and is not left on unnecessarily wasting energy.



* Available on Android and iOS devices. A Wi-Fi connection and an optional Wi-Fi Kit (MIM-H02N) are required.

Ducted | Duct S

Installation & Maintenance - Save time, effort and space

The Samsung Duct S air conditioner is simple to install, handle and maintain. As well as being compact and light, it also automatically optimizes the air volume and pressure and is easy to service from three ways.



05

Install anywhere and maintain easily

Compact & Lightweight

Fit your air conditioner into even the smallest spaces. The Duct S has a lightweight and compact Slim Fit design that is 25% smaller and 30% lighter than conventional air conditioners*. Its streamlined construction makes it much easier to handle and set up, and means it can be installed almost anywhere in a building and maintained with little difficulty.



25%
Smaller Volume*

30%
Lighter Weight*

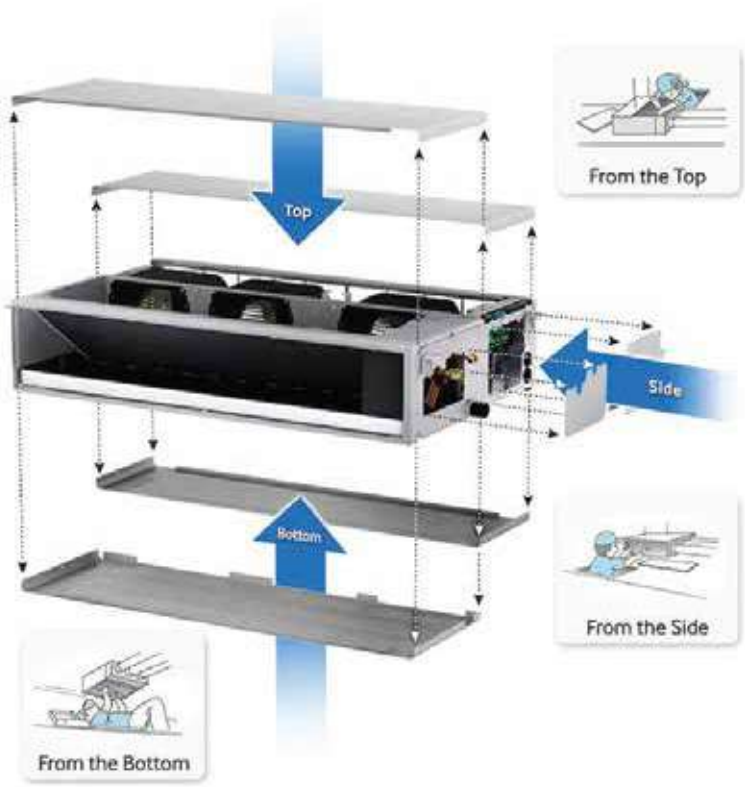
* Based on internal testing comparing the Samsung Duct S AM030MNHDCH/AA model with the conventional AM030JNHDCH/AA model. Volume: Duct S = 210L vs. Conventional = 280.8L. Weight: Duct S = 40.5kg vs. Conventional = 58kg.

06

Easy service access in various locations

3-way Service Access

Service your ducted air conditioner more easily in a wide variety of locations. The Duct S is designed so that its fan, motor and coil can be accessed from three directions – top, side and bottom – using an easy to remove Slide Fit cover. As a result, it's simple to maintain wherever it's installed, which saves you time and money.



07

Drains more water, less risk of contamination



Plug-and-Connect Drain Pump*

The external type Plug-and-Connect Drain Pump* takes the hassle out of draining the unit. Simply plug and connect, as it's compatible with all kinds of indoor units from 3.5 to 15kW. It minimizes the amount of water that collects in the Drain Board, which helps to prevent the outbreak of odor-causing bacteria and fungi. And its advanced Check Valve prevents water from flowing back into the drain, so you don't have to worry about water stagnation or overflows that drip into indoor spaces.

* Optional.

Ducted | HSP Duct

Greater flexibility to optimize comfort in spacious and complex areas.



Choose where to install your air conditioner with much greater flexibility. The Samsung HSP air conditioner's High External Static Pressure (HSP) can send air further than most slim ducts*, so it can be used with long duct works and installed some distance away. And you can easily enjoy maximum comfort in any location, whatever the environmental conditions, by using its optimum external static pressure control to optimize the air volume and pressure and minimize noise.

* Based on internal testing. HSP Duct = 20~28mmAq vs. MSP Duct = 15mmAq. Results may vary depending on environmental factors and individual use.



PABELLONES VILLA OLÍMPICA JUEGOS DE LA JUVENTUD 2018
BUENOS AIRES, ARGENTINA

Performance

—

High External Static Pressure

Comfort

—

Optimum ESP

Auto ESP &
Easy Tuning

High Air Flow Rate &
Less Noise

Installation

—

Lightweight and Splittable Design

Maintenance

—

3-way Service Access

Ducted | HSP Duct

Performance - Creates more air, goes much further

The Samsung HSP Duct air conditioner is capable of sending a plentiful supply of cool or warm air over a long distance, so it can be installed in wide variety of locations, even if they are long distance away.

01

Covers large areas with extra-long ducts

High External Static Pressure (HSP)

Select the best location for your air conditioner, even if it needs long duct work, but still get plenty of air to cool or heat large spaces or places. The HSP Duct's High External Static Pressure (HSP) means it can send air further than most slim ducts*. Even if you don't have enough room for duct products in the ceiling, you can use outlets connected to an HSP duct that is installed some distance away. It gives you much more flexibility without impacting the interior design.

* Based on internal testing. HSP Duct = 20~28mmAq vs. MSP Duct = 15mmAq. Results may vary depending on environmental factors and individual use.



Comfort - Optimized comfort regardless of the physical conditions

The Samsung HSP Duct air conditioner includes a range of technologies that automatically optimize its performance to suit any environment, so you can always enjoy maximum comfort with minimum effort.

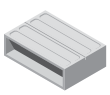
02

Efficient & even performance everywhere

Optimum ESP

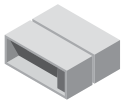
Maintain the ideal temperature in every location, whatever the environmental conditions, using the HSP Duct's optimum external static pressure (ESP) control. It can be easily adjusted in 5-8 steps* and will quickly change the fan speed to optimize the air volume and pressure and minimize noise, without discharging too much or too little air. So it ensures a consistent performance in a broad range of large spaces.

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



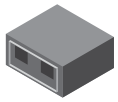
AM112HNHPKH
AM128HNHPKH
AM140HNHPKH

8 step
adjustment for
ESP 3~20mmAq



AM180JNHPKH
AM224JNHPKH

5 step
adjustment for
ESP 5~20mmAq



AM280FNHDEH

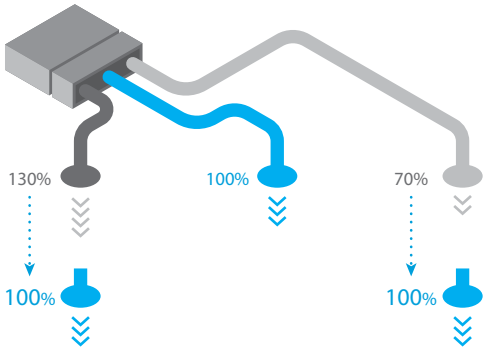
5 step
adjustment for
ESP 5~28mmAq

03

Automatically more comfort & less noise

Auto ESP & Easy Tuning

The HSP Duct's Auto ESP function* automatically senses the external static pressure (ESP). It then adjusts the fan speed to optimize the air volume and pressure and minimize noise. As no additional manual adjustment is necessary, it saves time on installation and maintenance. In addition, Easy Tuning* lets you fine-tune the settings to suit your changing activity levels and requirements.



* This feature is only available in the AM112HNHPKH, AM128HNHPKH and AM140HNHPKH models.

04

Powerful & efficient yet quieter cooling

High Air Flow Rate & Less Noise

Thanks to its high air flow rate* the HSP Duct discharges a much larger volume of air**, so it will cool or heat your room faster. It also works more efficiently, with less noise than competing air conditioners** that deliver the same level of performance. So you can create the optimal conditions in a wide variety of environments with fewer noisy distractions.



* This feature is only available in the AM180JNHFKH and AM224JNHFKH models.

** Based on internal testing of the 22.4kW model. Max. air flow rate: Samsung AM224JNHFKH: 72CMM vs. A competitor's model: 58CMM, Sound pressure (Min~Max): Samsung AM224JNHFKH: 36~44dB(A) vs. A competitor's model: 45~48dB(A). Results may vary depending on environmental factors and individual use.

Ducted | HSP Duct

Installation & Maintenance - Save time, effort and space

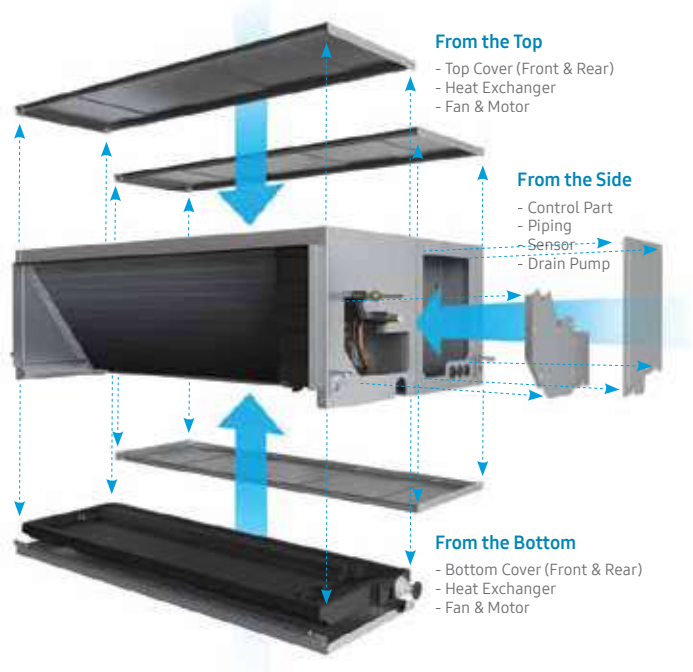
The Samsung HSP Duct air conditioner is simple to install, handle and maintain. It has a lightweight and split-table design and is easy to service from a choice of three directions.

05 Easy service access in various locations

3-way Service Access

Service your ducted air conditioner more easily in a wide variety of locations. The HSP Duct is is designed so that its fan, motor and coil can be accessed from three directions* – top, side and bottom – using an easy to remove Slide Fit cover. As a result, it's simple to maintain wherever it's installed, which saves you time and money.

* This feature is only available in the AM112HNHPKH, AM128HNHPKH and AM140HNHPKH models.





06 Fits into more places much more easily

Lightweight and Splittable Design

Install your air conditioner easily in more locations and conditions than conventional ducted systems. The HSP Duct has a lightweight and splittable design*, which helps to overcome difficulties in handling due to space limitations or weight. Its Fan and Coil parts can be split, so they fit through a "Return Grill", before being put back together as one unit. It makes it much easier to install and manage, without drilling additional holes or affecting the interior finish.

* This feature is only available in the AM180JNHFKH and AM224JNHFKH models.

HSP DUCT LINE-UP AT A GLANCE

				
	[1] **AM112**HNHPKH [2] **AM128**HNHPKH [3] **AM140**HNHPKH	[1] **AM180**JNHPKH [2] **AM224**JNHPKH	**AM280**FNHDEH	**HSP Duct** Models
GENERAL	HP / HR	HP / HR	HP / HR	**System Mode**
GENERAL	11.2~14.0	18.0~22.4	28	**Cooling Capacity*** (kW)
GENERAL	12.5~16.00	20.0~25.0	31.5	**Heating Capacity*** (kW)
PERFORMANCE / COMFORT	8	5	5	**External Static Pressure** Adjustment Step
PERFORMANCE / COMFORT	3~20	5~20	5~28	**External Static Pressure*** Range (mmAq)
PERFORMANCE / COMFORT	[1] 35 [2] 38 [3] 42	[1] 58 [2] 72	72	**Air Flow Rate*** (CMM, Max.)
PERFORMANCE / COMFORT	•	-	-	**Auto ESP & Easy Tuning**
PERFORMANCE / COMFORT	[1] 32 [2] 32 [3] 32	[1] 35 [2] 36	43	**Noise Level*** (dB(A), Min.)
INSTALLATION / MAINTENANCE	•	-	-	**3-way Service Access**
INSTALLATION / MAINTENANCE	-	•	-	**Split Fan and Coil**
INSTALLATION / MAINTENANCE	1,300 x 300 x 700	1,350 x 450 x 910	1,240 x 470 x 1,040	**Net Dimensions** (W x H x D mm)
INSTALLATION / MAINTENANCE	46.5	82.5	89	**Net Weight** (kg)

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

Ducted | Big Duct

All the performance, efficiency and flexibility you need for flawless comfort in extensive spaces.



Choose from a wide variety of installation locations, while enjoying powerful cooling and easy maintenance. With its new Sirocco Fan and Twin Rotary BLDC Compressor the Samsung Big Duct air conditioner cools rooms quickly and efficiently by creating a higher volume of air and reducing wasted energy. Its compact and splittable design also means it can be installed in more locations than normal. But it is still easy to service as its fan, motor and coil can be accessed from three directions.



NOVOTEL ITU GOLF & RESORT
ITU, BRAZIL

Efficiency

—

Twin Rotary BLDC Compressor

Away Mode

Performance

—

New Sirocco Fan

Comfort

—

3-step Quiet Mode

Away Mode

Control

—

Smart Wi-Fi

Installation

—

Compact and Splittable Design

Truss Chamfer

Auto ESP & Easy Tuning

Maintenance

—

3-way Service Access

Ducted | Big Duct

Efficiency & Performance - More power, less waste

The Samsung Big Duct air conditioner delivers an outstandingly powerful and efficient performance. And it can also be set to minimize energy use when you're not there.



01 Powerful high-speed, low-noise cooling

New Sirocco Fan & Twin Rotary BLDC Compressor

Cool rooms quickly and effectively with plentiful and powerful cool air. The Big Duct's new Sirocco Fan with aerodynamically shaped blades and the DC Fan Motor create a higher volume of air, but produce less noise*. And the Twin Rotary BLDC Compressor precisely adjusts the level of power, which reduces wasted energy and noisy vibration**. The fan and motor create a static pressure of up to 200Pa and provide fast, powerful cooling even in the Middle East's desert climate.

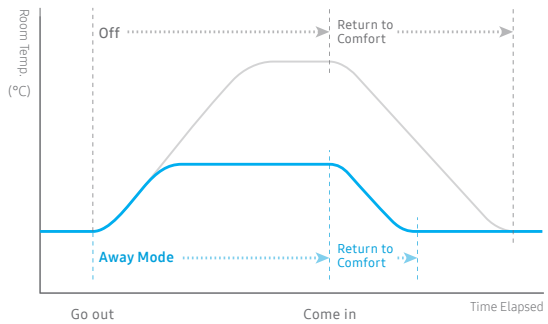
* Based on internal testing compared to conventional air conditioners. Results may vary depending on environmental factors and individual use.
** Twin Rotary BLDC compressors (16/18kW) are included in some models, while other models include an Asymmetric Scroll BLDC compressor (20kW only). Results may vary depending on environmental factors and individual use.

02 Optimized operation when away from home

Away Mode

Avoid wasting energy when you're not at home. If you're out of the house, maybe at work or shopping, simply select the Big Duct air conditioner's Away Mode*. It will maintain the optimal temperature with minimal operation during your absence. So it saves energy, but you will always feel comfortable when you return. And it doesn't matter what the outside temperature is, as it keeps the room cool during the Summer season and warm in Winter.

* Only available in the 16kW and 18kW models.



Comfort & Control - Simply control your comfort

Easily adjust the performance of the Samsung Big Duct to optimize the room conditions with a simple touch - wherever you are. And you can minimize the amount of noise it creates to avoid any disturbance.



03 Remotely control it anytime, anywhere

Smart Wi-Fi

Control your air conditioner when you're on the go. Using the Smart Wi-Fi function on a smartphone* you can remotely control the Samsung Big Duct air conditioner anytime and anywhere. With a simple touch you can turn it on and off and select the operating mode and temperature. Or you can schedule when it starts and stops and control other functions. So, even when you're not there, it gives you peace of mind that your home is cooled efficiently and is not left on unnecessarily wasting energy.

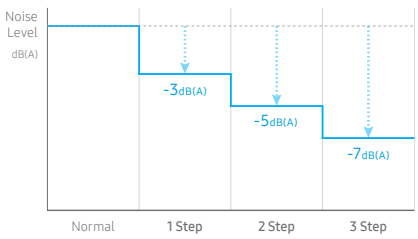


* Available on Android and iOS devices. A Wi-Fi connection and an optional Wi-Fi Kit (MIM-H03N or higher) are required.

04 Adjustable, 3-step, low-noise operation

3-step Quiet Mode

The Samsung Big Duct air conditioner's 3-step Quiet Mode enables adjustable low-noise operation. Simply select from three different levels: Step 1 lowers the sound level by 3dB(A), Step 2 reduces it by 5dB (A) and Step 3 takes it down 7dB(A)*. So you can enjoy optimal heating and cooling in a wide variety of situations and without disturbing neighbors at night when you often need to use the air conditioning.



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

Ducted | Big Duct

Installation & Maintenance - Save time, effort and space

The Samsung Big Duct air conditioner is specially designed for simple installation, handling and maintenance. It also automatically optimizes the air volume and pressure, which enables much easier set-up.

05 Fits into more places much more easily

Compact and Splittable Design with Truss Chamfer

Install your air conditioner in more locations and conditions than conventional ducted systems. The Big Duct's compact design is 10% smaller than conventional models*. Its Fan and Coil parts can also be split, so it easily fits through a “Return Grill” to install or remove it. So you don’t need to drill additional holes and it won’t affect the interior finish. And its optional Truss Chamfers** make it ideal for installation in roof or ceiling spaces with truss structures.



Split Fan & Coil



Truss Chamfer





* Compared to the previous Samsung duct unit, NS180HHXEG/XSA. Big Duct: 1,350 x 470 x 910mm (553L) vs. A competitor's model: 1,240 x 470 x 1,040mm (613L).
** Only available in Australia.



06

Automatically more comfort & less noise

Auto ESP & Easy Tuning

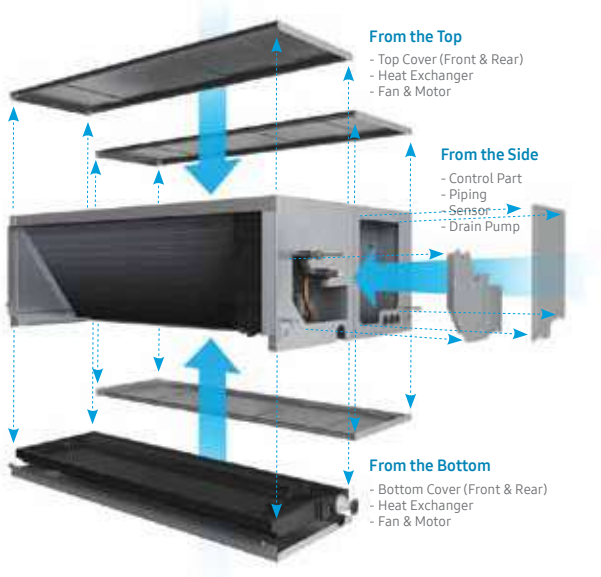
Enjoy maximum comfort and efficiency with minimum effort in any environmental conditions. The Big Duct's Auto ESP function automatically senses the external static pressure (ESP). It then adjusts the fan speed to optimize the air volume and pressure and minimize noise. As no additional manual adjustment is necessary, it saves time on installation and maintenance. In addition, Easy Tuning lets you fine-tune settings to suit your changing activity levels and requirements.

07

Easy service access in various locations

3-way Service Access

Service your ducted air conditioner more easily in a wide variety of locations. The Big Duct is designed so that its fan, motor and coil can be accessed from three directions* – top, side and bottom – using an easy to remove Slide Fit cover. As a result, it's simple to maintain wherever it's installed, which saves you time and money.



Wall Mounted | Wind-Free™ Premium Plus

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



Stay comfortably cool anytime and anywhere. The innovative Wind-Free™ Cooling gently disperses air through 23,000 micro holes, so there are no unpleasant cold drafts. It can also cool a whole room extremely quickly, or optimize the room conditions to help you sleep. And it includes a range of advanced features that make installing, maintaining and controlling your air conditioning a real breeze.



Comfort

—

Wind-Free™ Cooling

Wind-Free™ Dry Mode

Fast Cooling

4-way Swing

Installation

—

Snap-fit Design

Roller Type Bracket

Maintenance

—

Easy Filter Plus

Auto Clean

Control

—

SmartThings

Voice Control

Temperature Display

Beep Off

Wall Mounted | Wind-Free™ Premium Plus

Comfort - Intelligently optimized comfort for your life

The Samsung Wind-Free™ air conditioner keeps you comfortably cool with Wind-Free™ Cooling that is intelligently optimized to suit your needs. And it can quickly cool large spaces from corner to corner.

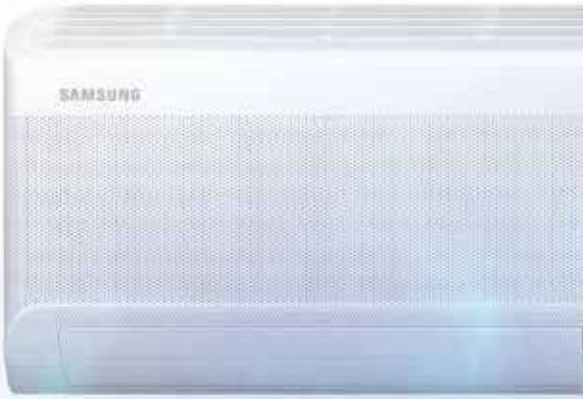
01 Stay cool without feeling cold

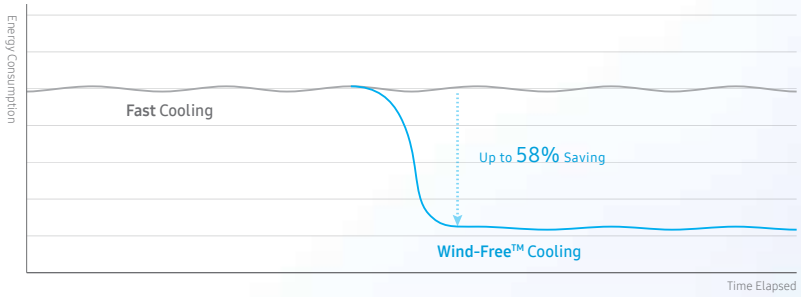
Wind-Free™ Cooling

Stay feeling comfortable cool with Wind-Free™ Cooling. It cools gently and quietly without the unpleasant feeling of cold wind on your skin, as it disperses air through 23,000 micro air holes. It creates a "Still Air" environment* with a very low air speed and much less noise**. Its advanced air flow structure also means it cools a wider and larger area more evenly. And it consumes 58% less energy than normal cooling mode*** so you can stay comfortably cool without worrying about electricity bills.



23,000
Micro Air Holes





* 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-Free™ 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.

02 Stay dry in humid weather

Wind-Free™ Dry Mode

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





03 Cools you down faster

Fast Cooling

Cool rooms quickly from corner to corner, so you're always comfortable whenever you want and wherever you are. Digital Inverter Boost technology dramatically shortens the time it takes for the compressor to reach maximum power when it starts operating, so it cools the air 43% faster*. Its advanced design also has a 15% larger fan, 18% wider inlet and a 31% wider blade. So cool air is dispersed farther and wider into every corner of a room, reaching up to 15 meters**.

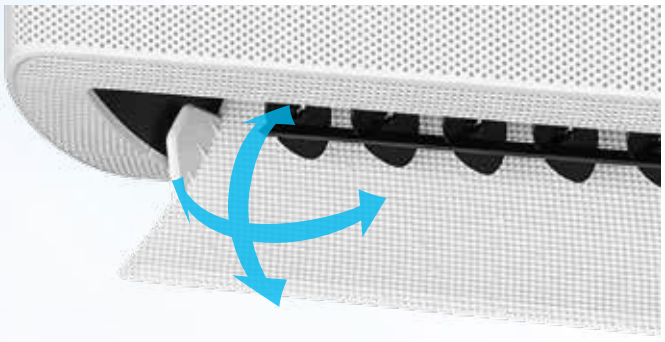


* Tested on the AR12TXCAAWKEU model compared with the Samsung conventional model AQ12EASER.
** Tested on the AR24TXFCAWKNEU model.

04 Distribute air to wherever you want

4-way Swing*

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



* Optionally available on certain models.

Wall Mounted | Wind-Free™ Premium Plus

Installation & Maintenance - Install effortlessly, maintain without hassle

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

06 Easy to clean anti-bacterial filter

Easy Filter Plus

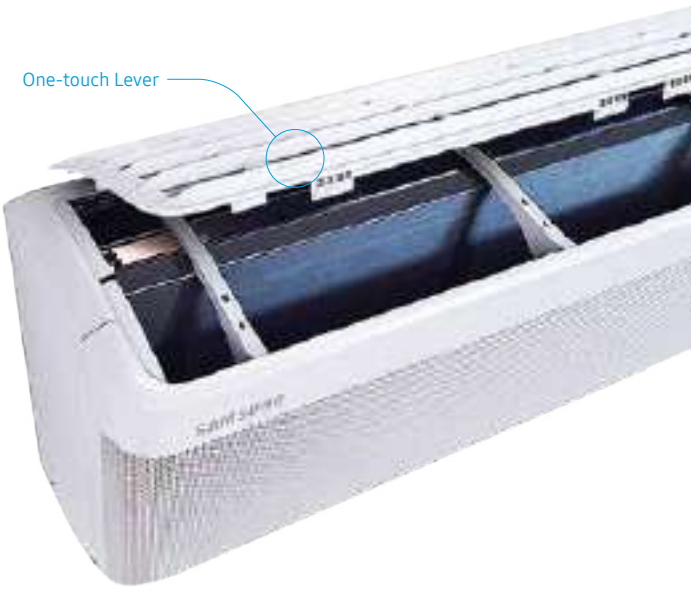
Keep your air conditioner working efficiently with less effort. The Easy Filter Plus is located outside, on the top, so it can easily be taken out and cleaned. Its dense mesh keeps the Heat Exchanger clean and an anti-bacterial coating helps protect you against dangerous airborne contaminants*.



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

Step 2
Silver ion reacts with the protein in bacteria.

* Tested in Korea test lab. Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use.



07 Stays clean & hygienic with less moisture

Auto Clean

Keep the inside of your air conditioner hygienic by doing nothing! After it's been working, the Auto Clean function automatically dries the Heat Exchanger by itself. Depending on the temperature and humidity levels, it chooses the optimal method to remove moisture. There are 3 cleaning processes to prevent the build-up of bacteria and odors.



* Only available in Wind-Free™ models that have a humidity sensor.

08 Quick and easy to install and service

Snap-fit Design & a Roller Type Bracket

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



Snap-fit Design

Roller Type Bracket



Control - Intuitive and easy to use

The Samsung Wind-Free™ air conditioner provides a choice of convenient ways to control it - from a remote controller to your own smartphone and even your voice. It's easy to optimize your comfort.

09 Remotely control it anytime, anywhere



SmartThings

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

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

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



Voice Control

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

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

* Available on Android and iOS devices. An optional Wi-Fi Kit with a Wi-Fi connection and a Samsung account are required.
** Voice control supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish and Portuguese.

11 Intuitively know the room temperature

Temperature Display

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



12 Silently control for a more peaceful life

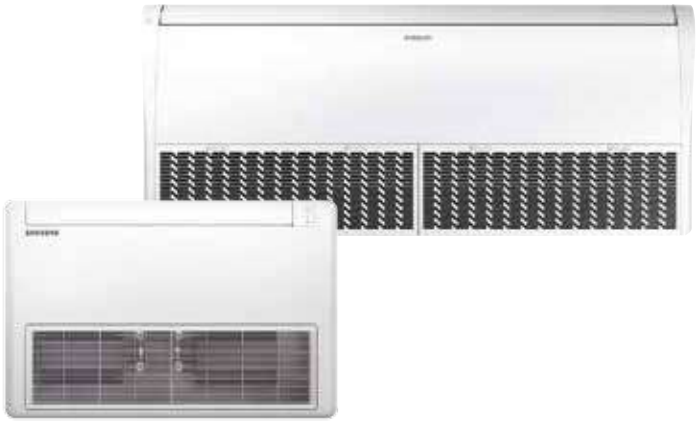
Beep Off

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



Ceiling

Maximizes your living space, without compromising your comfort.



For large retail areas, galleries, workshops or offices and commercial premises that have limited floor and wall space an under-ceiling mounted air conditioning unit provides a simple solution. As they are usually installed directly below the ceiling, they have a minimal footprint and maximize the use of the available floor space. They are also very powerful and can cool a large area, especially as they are located high-up in the room, so the air is distributed a lot farther.



St. ROCH SCHOOL
SAINT LOUIS, USA



Convertible

Two-way Installation

Slim and Compact Size



Big Ceiling

Powerful Cooling

Simple & Unique Design

High Elevation with Long Piping

Filter Dust Alarm

Purification System

Ceiling | Convertible

Slim yet functional. Style that performs.

With the Samsung Convertible Ceiling air conditioner you have the best of all worlds. As well as having a slim and compact design it can also be flexibly installed in two ways, either on the ceiling or the floor, so it makes the most efficient use of the available space. But it still provides a powerful performance, so it can distribute crisp, cool air throughout a large area for consistent comfort.



01

Choice of installation options

Two-way Installation

With the two-way installation option you can choose the best solution for your specific requirements. This flexible unit can be deployed under the ceiling or as a free-standing floor unit. If space is limited and the air flow needs to come from above, the ceiling setting is ideal, while the floor standing option is perfect when room is abundant. This two-way design is efficient, cost-effective and elegant.



02

Small package, big performance

Slim and Compact Size

The Convertible Ceiling unit is slim and compact, enabling a wider choice of installation locations, even though its cooling power is comparable to larger products. Its smaller size and lighter weight mean your business benefits from reduced set-up costs.

Dimensions (W x H x D mm)	Weight (kg)
1,000 x 200 x 650	20

Floor Standing

Simple to install, blends in harmoniously, and evenly cools an entire room.



Floor standing air conditioners are an ideal solution for homes and buildings that don't have a lot of available wall or ceiling space – especially if they cannot support the weight of an air conditioning unit. Instead you can simply stand them on the floor and a conceal them at a low level, so they offer much greater flexibility in the choice of location. But they are also designed to distribute air in multiple directions, so they evenly heat or cool every corner of a room.



YANGJAE FOREST ORTHOPEDICS CLINIC
SEOUL, KOREA



Console

Slim and Smart Design

2-way Air Outlets

Silent Mode



Mirage

4-way Auto Swing

Auto Shutter

Full Touch Control Panel

Floor Standing | Console

Slim design, powerful yet quiet cooling.

Enjoy quiet and even cooling in almost any space. The Samsung Console air conditioner is an indoor unit that features a slim design. It's only 199mm thick, but still powerful enough to maintain the optimal temperature. Especially as its 2-way Air Outlets ensure that every inch of space quickly reaches the desired temperature – and stays that way. And, by choosing from 4 operating modes, you can also reduce the level of noise down to as little as 23dB(A)*, which is almost as quiet as a whisper.

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

01

Blends in beautifully

Slim and Smart Design

Being just 199mm thick, its slim and smart design is compact and unobtrusive, so it will fit into almost any space and with any décor. But it is still powerful enough to maintain the optimal temperature, even if the room has high ceilings and many windows.

Black Display

The Black Display provides convenient touch control with high visibility.

Clean Panel

The intelligently designed Clean Panel prevents dust from accumulating.





02

Heats or cools evenly in every corner

2-way Air Outlets

Create a pleasant environment by ensuring an even temperature in every corner of your room. The Console air conditioner has 2-way Air Outlets. By having two separate air outlets for cooling and heating, it ensures that every inch of space quickly reaches the desired temperature – and stays that way. Warm air is expelled from the bottom air outlet, helping to spread warmth evenly throughout the room.

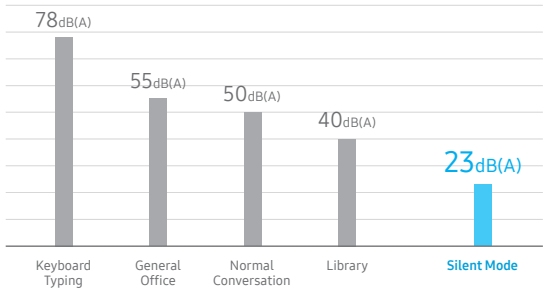


03

Silent yet powerful & efficient cooling

Silent Mode

Make less noise when you need to, but still benefit from powerful and efficient air conditioning. Simply select from four different operating modes (High, Medium, Low and Silent) to enjoy optimal heating and cooling in a wide variety of situations. In Silent mode it works at a lower speed to generate a quiet, but comfortable air flow. With a noise level of just 23dB(A)* it is almost as quiet as a whisper. With no noisy distractions everyone can concentrate easily, which helps enhance productivity.



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

Floor Standing | Mirage (Packaged)

Keeps you comfortable, keeps it clean.

The Samsung Mirage air conditioner, a Packaged floor standing type indoor unit, effectively cools or heats a large room by evenly distributing air. The 4-way Auto Swing automatically changes the direction of air flow to send it into every corner of an entire room, while the Full Touch Control Panel allows you to intuitively adjust its direction and temperature to suit your changing needs. And the Auto Shutter opens the flaps only when the air conditioner is working, but automatically shuts them when it's turned off, so it prevents dust from entering inside and helps ensure that the air is always clean.

01

Heats or cools evenly in every corner

4-way Auto Swing

Create a comfortable environment with an even temperature in every corner of a room. The Mirage air conditioner's 4-way Auto Swing function automatically expels cool air in every direction. As well as the auto up-down swing function it also has an auto left-right swing function, so air is evenly distributed across the room.



02 Protects the inside from dust to provide clean air

Auto Shutter

Simply keep the inside of your air conditioner hygienic to ensure that it always expels fresh air into your room. The Mirage air conditioner features an Auto Shutter function that automatically opens and closes the flaps. When your air conditioner is turned on, the flaps open, ready to deliver pure, fresh air. However, when your air conditioner is turned off, the flaps close, which prevents dust particles from getting inside the system when it is not in use.





03 Intuitively control the air direction and temperature

Full Touch Control Panel

The Mirage air conditioner has a Full Touch Control Panel that allows you to adjust the air flow direction, air volume and room temperature, along with cooling and heating modes - effortlessly with gentle touches. And, as it has a clean and simple illuminated display, it clearly shows the status of its operation, while adding a modern look to your room.



Ventilation | ERV Plus

Breathe fresher air from outdoors, enjoy the ideal temperature indoors.



The Samsung ERV (Energy Recovery Ventilation) Plus system provides fresh air from outside while minimizing energy loss for maximum efficiency. Its intelligent structure incorporates features specifically designed for flawless ventilation with efficient operation. A Direct Expansion (DX) Coil ensures that there's no loss of a room temperature, and its advanced Diamond type Heat Exchanger delivers a high-efficiency heat recovery performance and also helps to make the whole unit a more compact size. Its Quiet Mode also ensures that you won't be disturbed by unpleasant noise, but can still enjoy refreshing air in any space.



CRIMSON
WASHINGTON, USA

Energy Saving

—

2-way Ventilation Design

Auto Mode

Energy Saving Mode

Comfort

—

Direct Expansion (DX) Coil

CO_2 Sensor

Quiet Mode

Optimized Design

—

Slim Build

Diamond type
Heat Exchanger

Ventilation | ERV Plus

Energy Saving - Designed for efficiency, controllable for more savings

The Samsung ERV Plus system includes a number of innovative features that optimize the efficiency of your heating and cooling to ensure maximum comfort with minimum energy use.

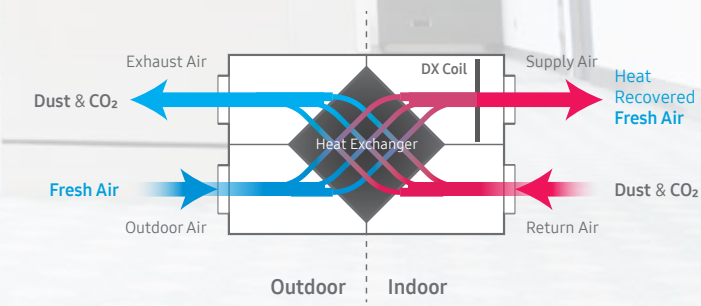


01

Drive energy savings with enhanced ventilation and unparalleled heat exchange

2-way Ventilation Design with an Optimized Heat Exchanger

The ERV Plus indoor unit delivers exceptional cooling and heating all year round with a 2-way Ventilation Design. It has air inlets and outlets on both sides of the unit that provide superior ventilation efficiency. And its heat exchange area transfers heat energy while preventing the discharged contaminants from re-entering indoors, recovering up to 70% of the energy* needed to cool or heat the rooms. So its efficient heat recovery maintains the indoor temperature during the winter, and prevents outdoor heat and moisture from entering indoors during the summer.



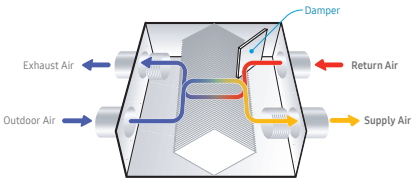
* Based on internal testing. Results may vary depending on environmental factors and individual use.

02

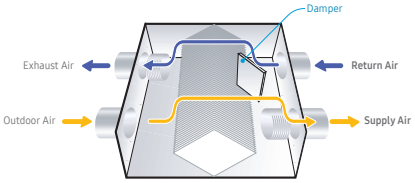
Automatically changes its mode to conserve energy

Auto Mode

The Auto Mode of the ERV Plus indoor unit automatically changes its operation mode, based on the temperature difference between the indoor and outdoor environment, to utilize energy more efficiently. In extreme climates, where there is a big temperature difference in certain seasons, like winter and summer, it brings in fresh outdoor air that is heated or cooled by the indoor air that is being expelled. But in mild climates, such as spring and fall, it simply uses outdoor air without the need for any heat exchange.



Extreme Climates
(Winter & Summer)



Mild Climates
(Spring & Fall)



03

Controls air conditioners to optimize energy use

Energy Saving Mode

When the ERV Plus indoor unit is combined with an air conditioning system, it provides world-class energy savings by intelligently reducing the total operating hours of your air conditioners. As a result, it optimizes the cooling and heating performance across all of your rooms to ensure a comfortable environment, but saves energy by reducing the overall load on the systems.



Ventilation | ERV Plus

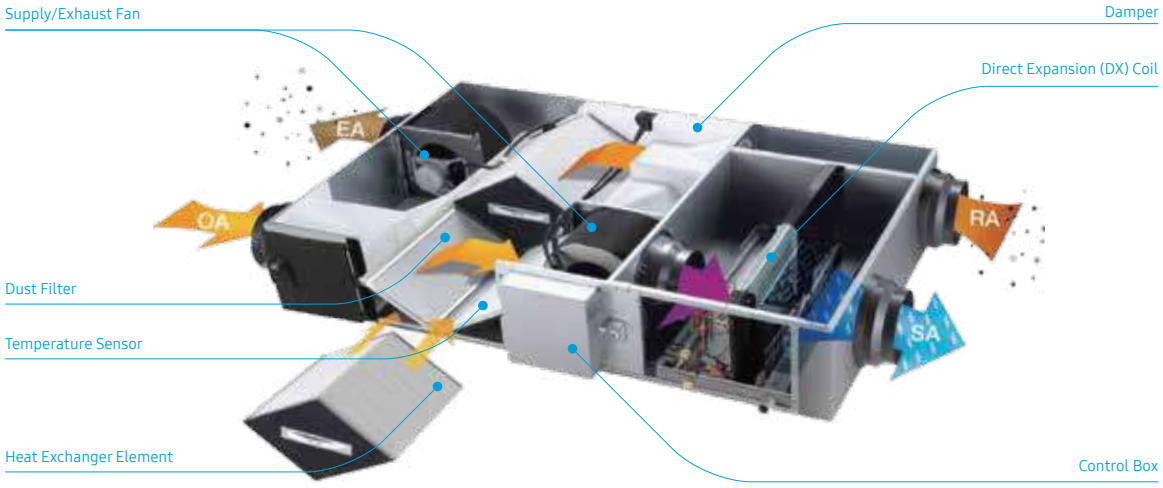
Comfort - Relentless freshness and distraction-free operation

With the Samsung ERV Plus system you can enjoy high-performance comfort throughout your environment with an improved air quality and lower noise levels.

04 Fresh air with no loss of temperature

Direct Expansion (DX) Coil

The ERV Plus indoor unit features a Direct Expansion Coil that efficiently maintains the required temperature while also ventilating the room, even in extreme climates. The hot or cold air that is drawn in through the indoor unit is heated or cooled as it passes through the Direct Expansion Coil using heat recovered from the indoor air that is being expelled. So it has the same temperature as the indoor air before it enters into the room.



05 Instantly reduces CO_2 in your room

CO_2 Sensor*

The ERV Plus indoor unit has a CO_2 Sensor* that detects the level of CO_2 in the air and instantly draws in more outdoor air to maintain a comfortable environment. You can also attach a Humidity Stat** that detects the amount of moisture in the room and automatically adjusts the humidity level.



06 Doesn't disturb your life and sleep

Quiet Mode

The ERV Plus indoor unit features a Quiet Mode that ensures it operates discretely whenever you need by creating less noise. So you can always enjoy fresh air without being disturbed by unpleasant noises when you are going to sleep at night - or just enjoying your day. It means that you have a more flexible choice of installation locations, as it can be used near places where you sleep, relax, concentrate or are sensitive to noise.

* Optional.
** Procured locally.

Optimized Design - Easier to install and maintain

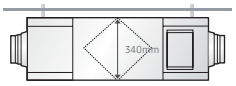
The compact yet powerful design of the Samsung ERV Plus system makes the installation process much easier. Its slim design ensures that it can be placed flexibly in many more locations.



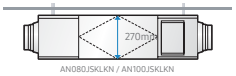
07 Flexibly install in almost any space

Slim Build

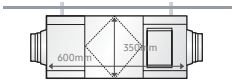
Samsung's advanced technology enables a slim and compact design. By applying a highly efficient heat exchanger element, Samsung has been able to reduce the ERV Plus system's height to 270mm. Compared to traditional units with rectangular-type heat exchangers, Samsung ERV Plus units use space more efficiently with their slim, diamond- shaped design.



260 CMH

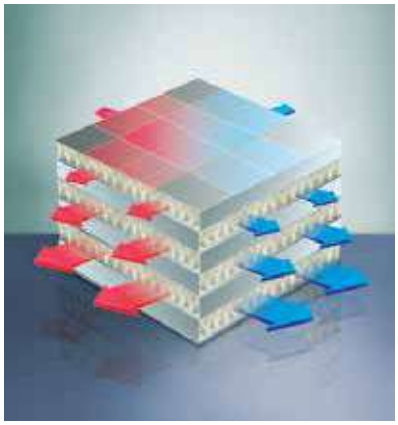


800, 1,000 CMH



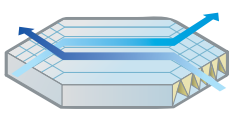
350, 500 CMH

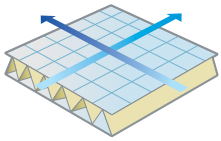
08 Enlarged area for better heat exchange



Diamond type Heat Exchanger

The ERV Plus indoor unit features a new Diamond type Heat Exchanger that is optimally designed for an enhanced air flow. It also makes the whole unit size more compact, reducing the height to 270mm, but it offers much greater efficiency compared to rectangular or hexagonal type heat exchangers.


Hexagonal Type

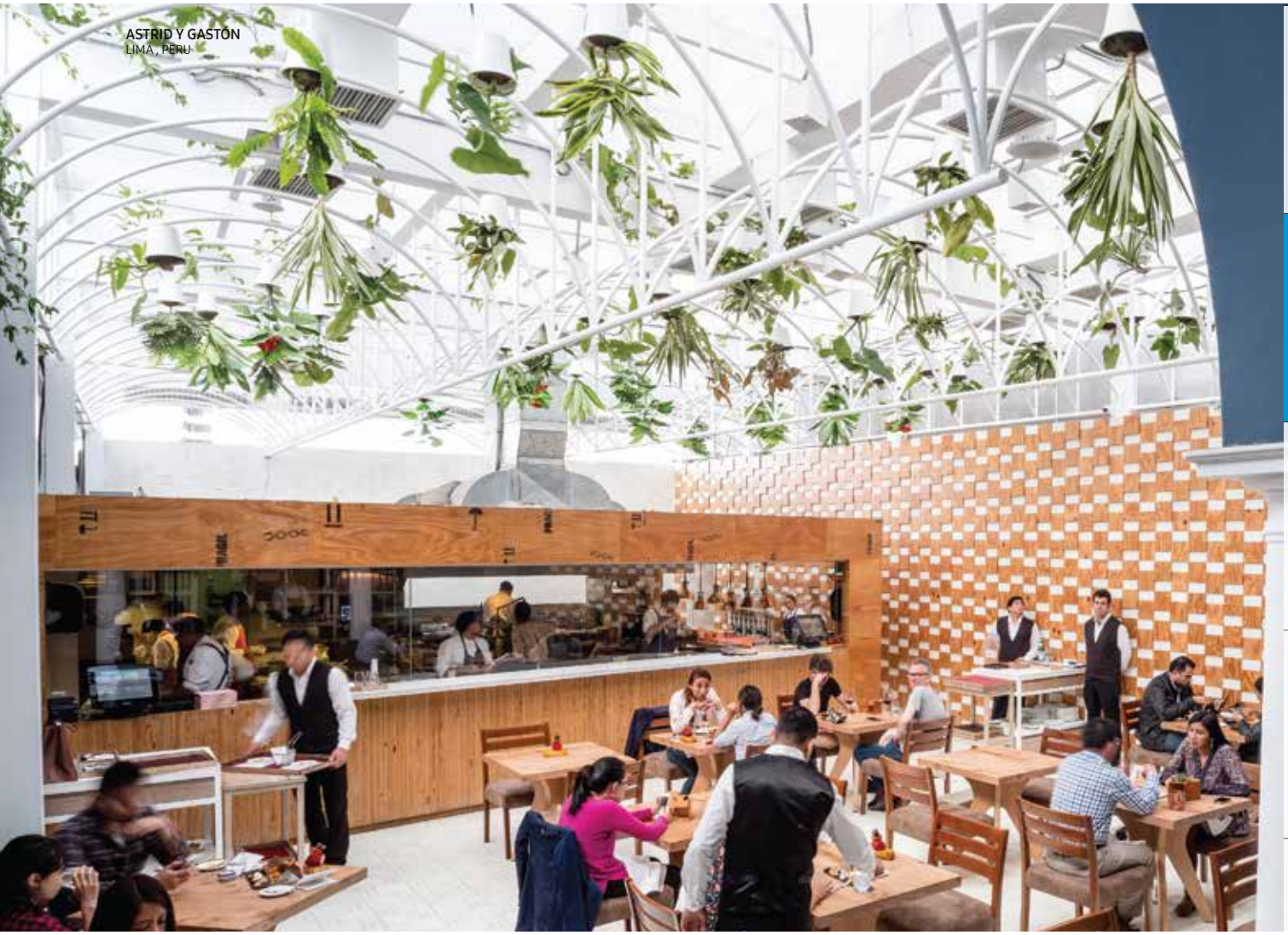

Rectangular Type

Ventilation | OAP Duct

Conserve energy and costs with practical, high-powered operation.



Enjoy an endless supply of freshly treated air without incurring huge costs. The Samsung OAP (Outdoor Air Processing) Duct is a high-powered fresh air treatment unit with integrated ventilation. It combines fresh air processing and air conditioning in a single system, so it is extremely efficient. Air conditioning indoor units and an Outdoor Air Processing unit can be connected to the same refrigerant line, resulting in enhanced design flexibility and a significant reduction in total system costs. A BLDC motor extends the savings by ensuring considerably less energy consumption.



ASTRID Y GASTÓN
LIMA, PERU

Efficiency

—

BLDC Motor

Comfort

—

Flexible Static Pressure Control

Full-range Temperature Processing

Installation

—

390mm Height

Ventilation | OAP Duct

Efficiency - Works hard, saves more

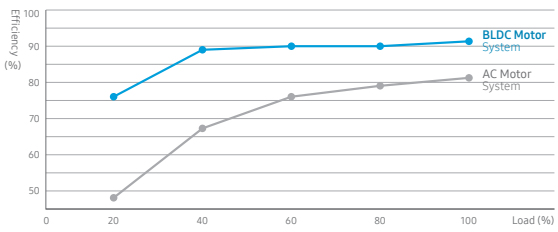
Even though the Samsung OAP Duct delivers a powerful performance it is also designed to work extremely efficiently, using the minimum amount of energy.



01 High-efficiency operation consuming less energy

BLDC Motor

The BLDC motor supports the highest efficiency level possible. Its low energy consumption design saves up to 32% more energy than conventional products for more economical and practical operation.





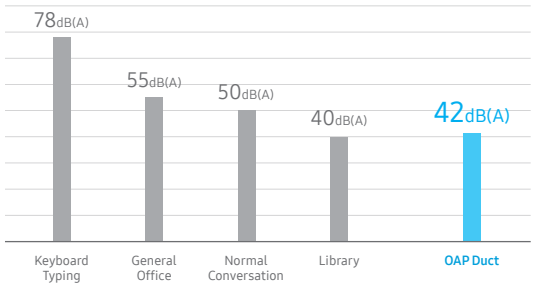
Comfort & Installation - Fits in easily, works silently

With the Samsung OAP Duct you can enjoy a much quieter and more relaxing environment all year round. Especially as its light and compact design makes its easy to install and maintain in many more locations.

02 More comfort with less noise

BLDC Motor

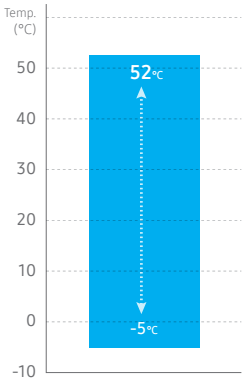
Equipped with the proficient BLDC motor, the OAP Duct operates quietly with a sound level as low as 42dB(A), so it is almost as quiet as a library. Such distraction-free operation ensures optimum comfort and calm within any environment.



03 Four season comfort regardless of climates

Full-range Temperature Processing

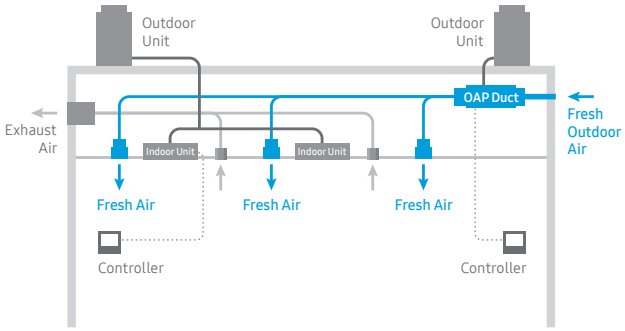
The OAP Duct supplies fresh air to the interior environment by cooling or heating a wide spectrum of outside temperatures, ranging from -5°C to 52°C.



04 Everywhere comfort with optimal air volume

Flexible Static Pressure Control

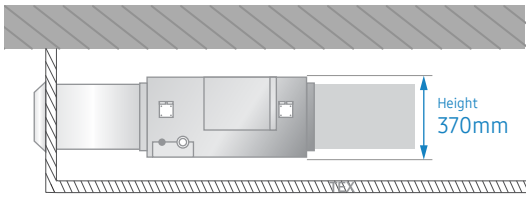
If the installation area of the duct exceeds the standard, then the static pressure control system maintains the optimum air volume by adjusting the fan speed.



05 Install in more places with fewer limits

370mm Height

A light and compact design, with a low height of 370mm, means you can conveniently install and manage it in a variety of areas with a host of installation options.



VRF

Optimal comfort with Samsung Climate solutions designed for superior efficiency and manageability.

Variable refrigerant flow (VRF) systems are a smart solution for commercial and large residential buildings that demand rapid and flexible temperature control, greater efficiency and more flexible installation. Advanced heat recovery combines heating, cooling and ventilation processes for increased energy efficiency and lower operating costs. In addition, VRF technology supports zone control, enabling users to adjust individual climate settings to suit their personal comfort preferences. And, with copper piping that's typically longer than traditional direct expansion (DX) systems, VRF units increase design flexibility for more creative installations.

Our flagship VRF-based Samsung DVM S is a highly innovative system that adopts the new Samsung Scroll Compressor (SSC) technology. With its Dual Digital Inverter, the DVM S provides world-class energy efficiency and the most powerful cooling and heating performance available on the market. It is the ideal air conditioning system for a wide variety of environments, including large commercial or residential buildings.

[Background] Reference Site: Elite City Nanjing (China), which has installed 93 DVM S units.



7 reasons to choose the Samsung VRF systems

Capacity

Large Heating and Cooling Capacity

Experience the ultimate heating and cooling capacity while optimizing space with an efficiently sized design.

Heating Performance

Improved Heating Performance

Enhance the air flow with smarter, more efficient heating technology for cold weather environments.

Efficiency

High Energy Efficiency

Reduce energy consumption and costs with a dual inverter system featuring simultaneous compressor operation for higher performance.

Flexibility

Flexible Installation

Easily install and reduce labor costs with a lightweight design and extended piping length and elevation support.

24/7 Comfort

Year-round Climate Control

Enjoy a comfortable environment even in extreme climates with advanced temperature control and a rapid cooling and heating performance.

Smart

Smart Management

Monitor system performance effectively with convenient web-based data access and management from anywhere.

Reliability & Durability

Reliable Performance and Durability

Ensure dependable cooling and heating for all conditions with weather-proofing and corrosion resistance.

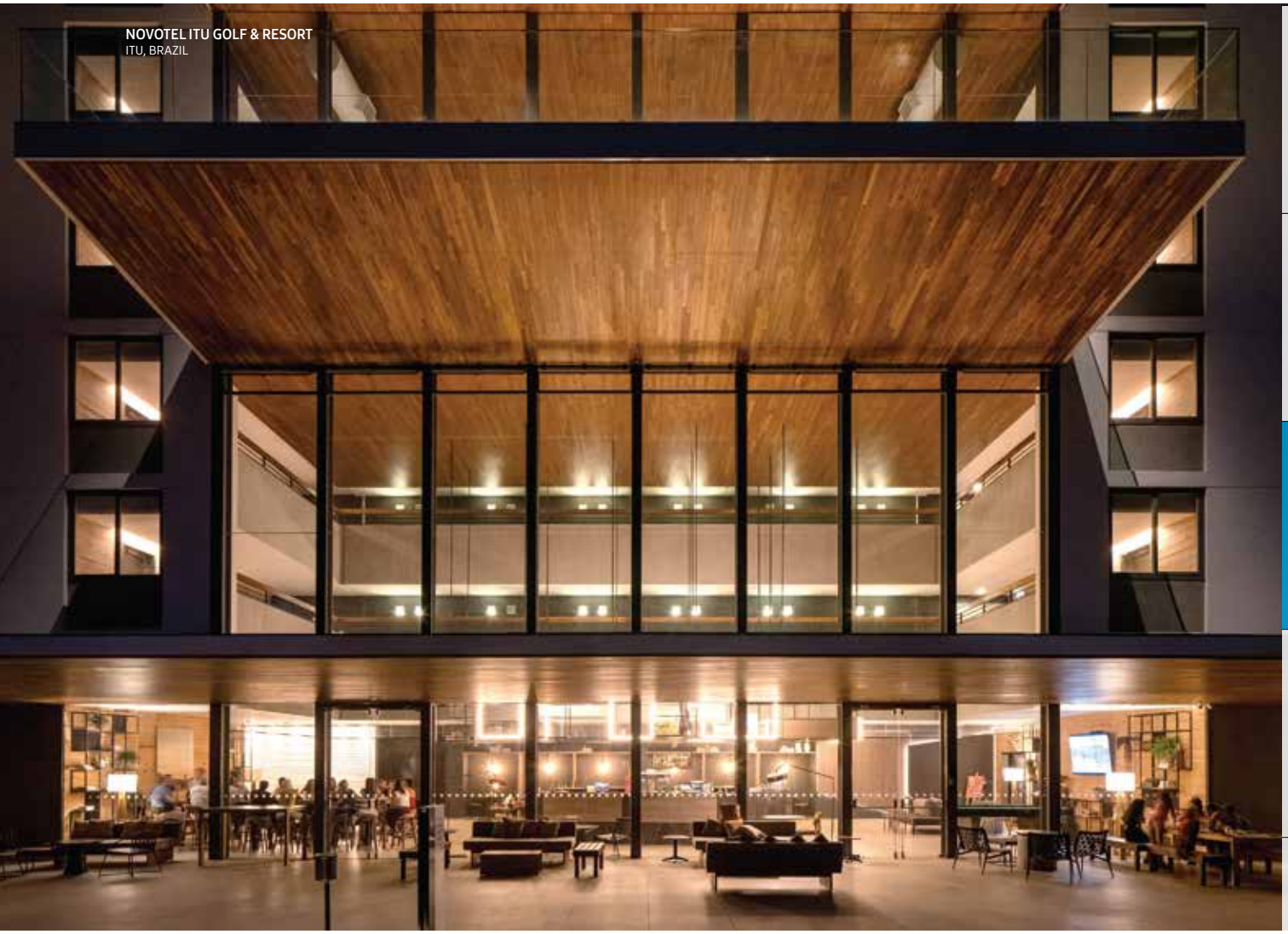
VRF | DVM S

Smaller size. Bigger capacity. Better efficiency and reliability. All you need in one system.



Save on installation costs and space, but still enjoy a powerful performance. The Samsung DVM S air conditioning system offers a large 30HP capacity in a single unit, so you can replace multiple conventional models and save up to 40% space*. It's also up to 7% more energy efficient than previous models in terms of EERa**, delivering tangible savings. And with a large, high-efficiency Super Inverter Scroll Compressor*** and various innovative technologies it provides a reliable compression performance.

* Based on internal testing. Space required: DVM S 30HP = 0.99m² vs. Conventional outdoor unit (18HP + 12HP) = 1.66m².
** Based on Korea's Energy Efficiency Rating (Avg). EERa: New DVM S = 6.70, Previous DVM S = 6.26.
*** Only available in certain models, based on capacity.



NOVOTEL ITU GOLF & RESORT
ITU, BRAZIL

Gigantic Capacity

30HP Large Capacity in a Single Unit

Heating Performance

Flash Injection Technology

Rotational Defrost Operation

Intelligent Defrost Technology

Efficiency

Large High-efficiency Compressor

Hybrid Heat Exchanger

Peak Demand Control

Digital Inverter Compressor

Installation & Maintenance

High Elevation with Long Piping

Optimized Refrigerant Distribution Control

Referigerant Pump-down and Pump-out

All-year Comfort

Simultaneous Cooling & Heating

Wide Temperature Spectrum

Easy Temperature Control

Quiet Operation

Smart Management

Wi-Fi S-Checker

Smart Wi-Fi

Display Window

Automatic Data Backup

Reliability & Durability

Digital Inverter System

Circuit Cooling System using Refrigerant

Protective Coating

Large Oil Storage Capacity

VRF | DVM S

Gigantic Capacity - One system that does the work of two or more

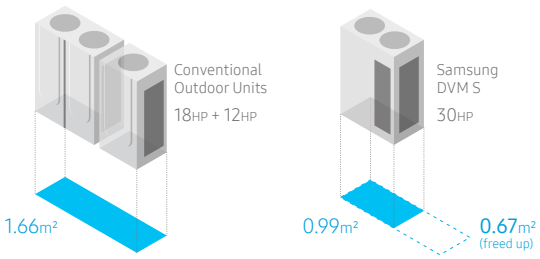
As well as being the largest and most compact DVM system, the Samsung DVM S is also powerful and highly energy efficient. So you can save costs and space, while providing more reliable coverage across larger areas.



01 Delivers more power, saves valuable space and costs

30HP Large Capacity in a Single Unit

Save valuable space and management costs without compromising on performance. The DVM S was the first outdoor unit in the world to offer a 30HP capacity in a single unit. The combination of its small footprint and large capacity means you can replace multiple lower capacity conventional models with fewer units, but still enjoy the same performance. So you can reduce the time and cost of transport, installation, parts and maintenance, while also saving up to 40% space*.





Compact Size

Its compact size leaves you plenty of extra space that can be used for other purposes without compromising on performance.

* Based on internal testing. Space required: DVM S 30HP = 0.99m² vs. Conventional outdoor unit (18HP + 12HP) = 1.66m².

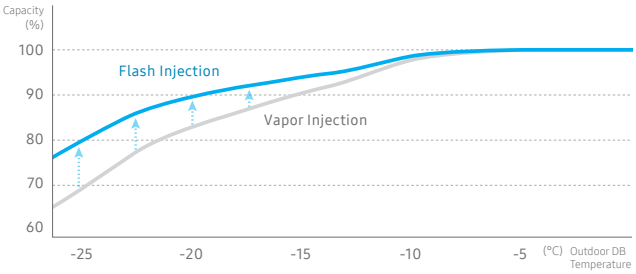
Heating Performance - Reliably & intelligently keeps heating

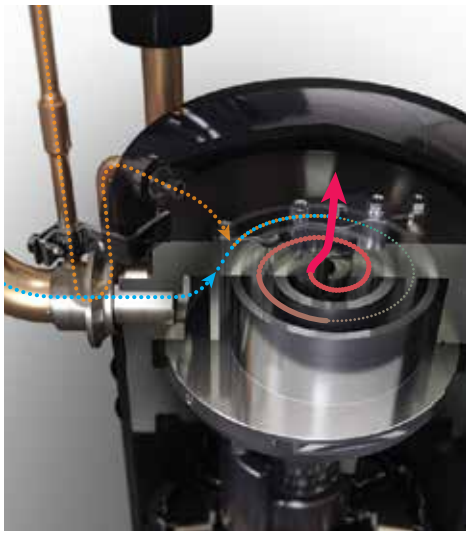
Enhanced Flash Injection delivers reliable heating at lower temperatures, while Rotational Defrost operation and Intelligent Defrost technology ensure continuous heating with less desfrosting.

02 Keeps on working well below freezing

Flash Injection Technology

Stay comfortably warm when it's freezing outside. The performance of a general Heat Pump worsens in low temperatures as the refrigerant pressure decreases. The Samsung DVM S outdoor unit's Flash Injection technology increases the flow of refrigerant by 32% at -25°C*. So the compressor continues working reliably, extending the heating operation range by 7% compared to conventional products*. It also performs well at even lower temperatures, providing non-stop comfort in the coldest conditions.

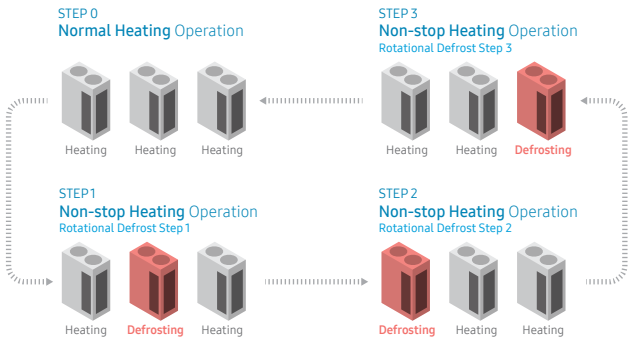




03 More continuous heating, less defrosting

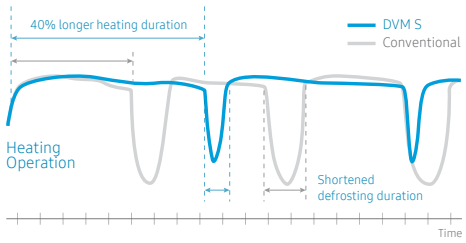
Rotational Defrost Operation**

The DVM S delivers a continuous heating performance using innovative Rotational Defrost for reliable warmth and comfort.



Intelligent Defrost Technology

Intelligent Defrost technology evaluates the system's air resistance as well as its operating frequency and cycle. So it defrosts more precisely, reducing wasted energy and increasing the continuous heating time by up to 40%**.



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

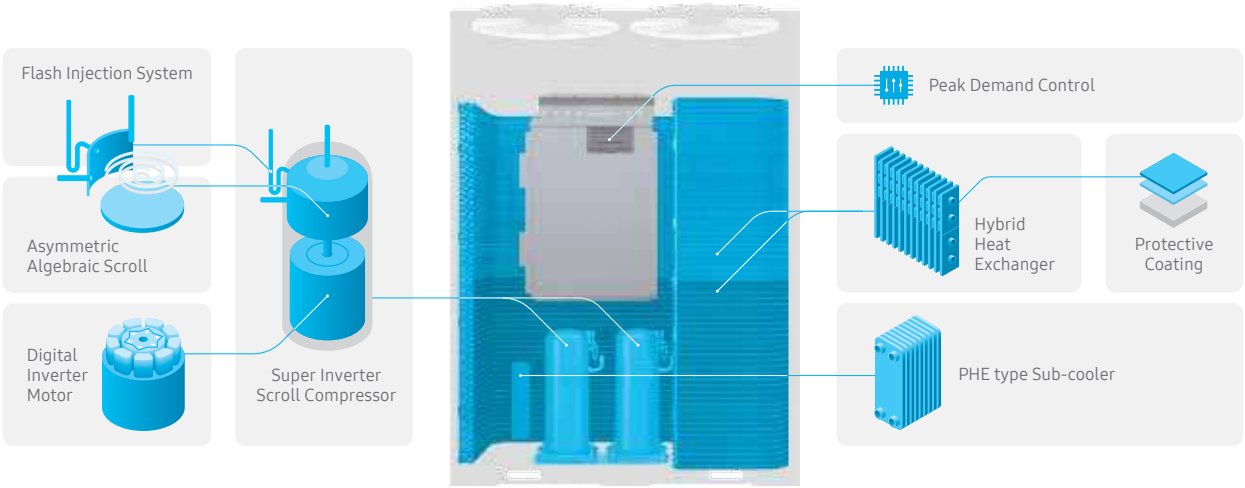
** Available only on DVM S HR (Heat Recovery) models.

*** Based on internal testing. Heating time at -10° over a period of 6 hours: Samsung DVM S 30HP = 180 minutes vs. conventional outdoor unit = 110 minutes. Results may vary depending on environmental factors and individual use.

VRF | DVM S

Efficiency - Saves energy, as well as space and costs

The Samsung DVM S includes a range of smart technologies that combine to deliver world-class energy efficiency and economy, achieving a much better Energy Efficiency Rating (EERa).

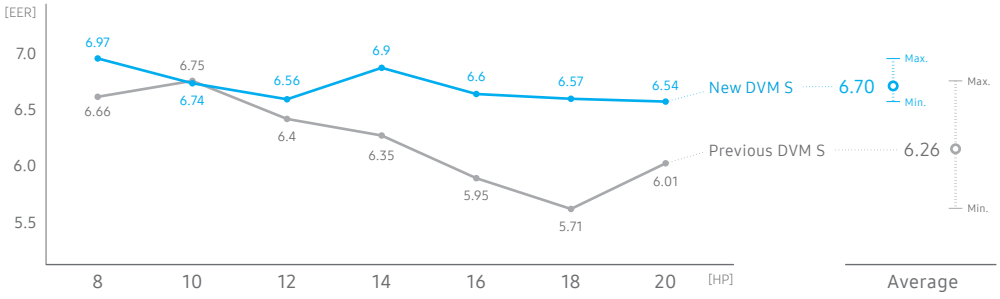


04

Proven to work more efficiently

Top-class Energy Efficiency

Save energy by doing nothing! The Samsung DVM S outdoor unit delivers top-class energy efficiency, based on its exceptional energy efficiency in various areas of the world. By combining various smart technologies it is up to 7% more efficient than previous models in terms of EERa*. In fact, the high efficiency of all of our products, across a range of capacities, is certified by global leading institutions, so they are proven to deliver tangible savings.



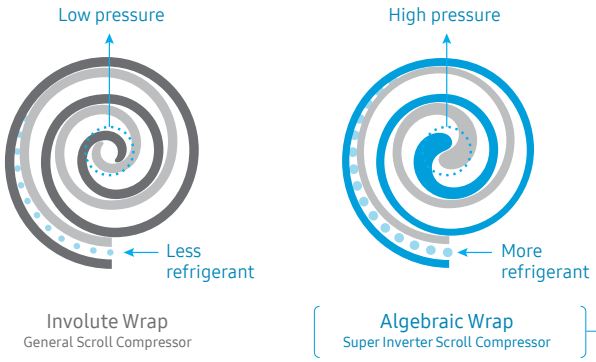
* Based on Korea's Energy Efficiency Rating (Avg). EERa: New DVM S = 6.70, Previous DVM S = 6.26.

05

Enhanced performance & reliability

Large High-efficiency Compressor

A large high-efficiency Super Inverter Scroll Compressor* with a range of innovative technologies provides a better compression performance. Its 80cc capacity enables a displacement increase of 14.3%**. And it has an Asymmetric Algebraic Scroll, with a thicker profile towards the middle, so it fully utilizes the maximum capacity. By sucking in more refrigerant it improves the reliability of the compressor.

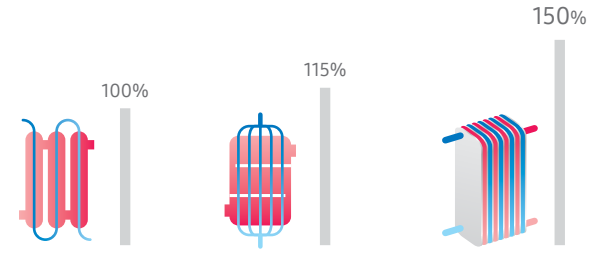


Involute Wrap
General Scroll Compressor

Algebraic Wrap
Super Inverter Scroll Compressor

PHE (Plate Heat Exchanger) Sub-cooler

A PHE type sub-cooler improves cooling and heating efficiency. Its higher heat exchange rate means optimal distribution, lowering maintenance and energy costs.



Double Tube type

Shell & Tube type

PHE type
Plate Heat Exchanger



* Only available in certain models, based on capacity.
** Based on internal testing. Compressor displacement: DVM S 30HP = 80cc vs. Conventional outdoor unit = 70cc.

VRF | DVM S

Efficiency - Smart performance, effective control

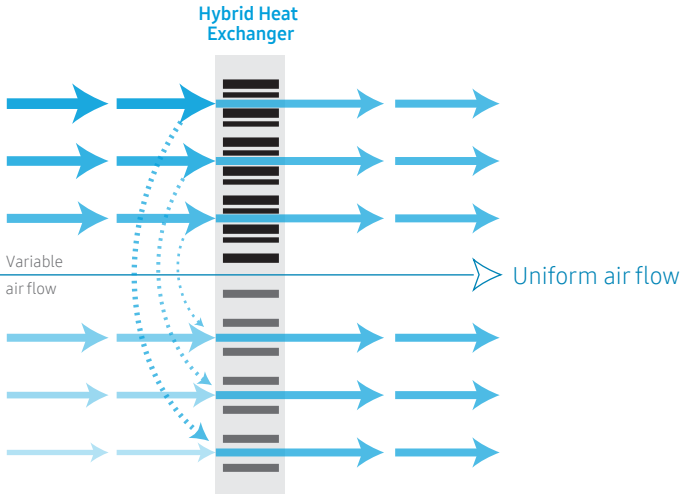


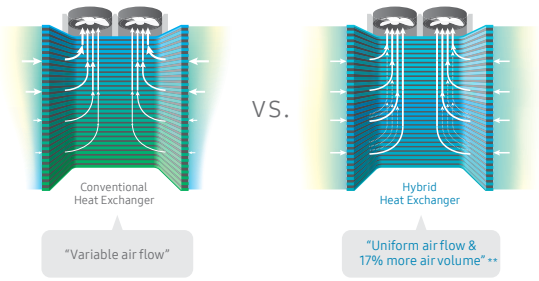
06

Uniform air flow, efficient performance

Hybrid Heat Exchanger

Enjoy more consistent and efficient cooling and heating. Conventional Heat Exchangers have the same fin shape from top to bottom, so the wind speed varies depending on the distance from the top fan. The DVM S outdoor unit has a Hybrid Heat Exchanger* that combines two different types of fin to create a uniform air flow and generate a total air volume that's 17% more than conventional systems**. So it performs more effectively and efficiently by optimizing the exchange of energy.



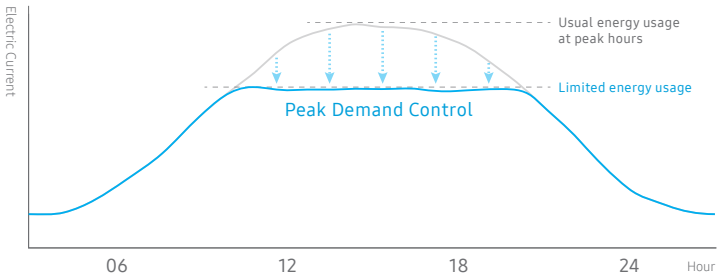


* Only available in certain models. ** Based on internal testing. Uniform wind speed: Hybrid Heat Exchanger = 240CMM vs. Conventional Heat Exchanger = 290CMM. Results may vary depending on environmental factors and individual use.

07
Simply limits power consumption

Peak Demand Control

To help businesses better manage power consumption and related costs, the DVM S offers power-demand control for peak hours and seasons. This is especially useful when the electrical supply is insufficient or when businesses want to block excessive and wasteful energy usage.

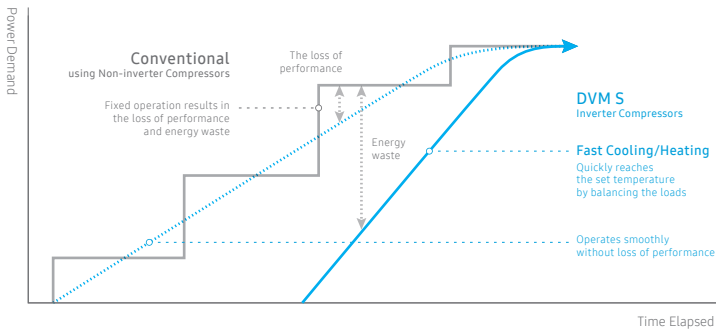


08
Prevent energy waste with quick cooling and heating



Digital Inverter Compressor

This innovative, third generation system includes a Digital Inverter Compressor. Both inverter compressors operate simultaneously, providing balanced oil distribution for quick cooling and heating and improved energy efficiency. In addition, the upgraded Vapor Injection System increases refrigerant flow by 20% compared to conventional products*.



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

VRF | DVM S

Flexible Installation and Maintenance - More choice, less effort

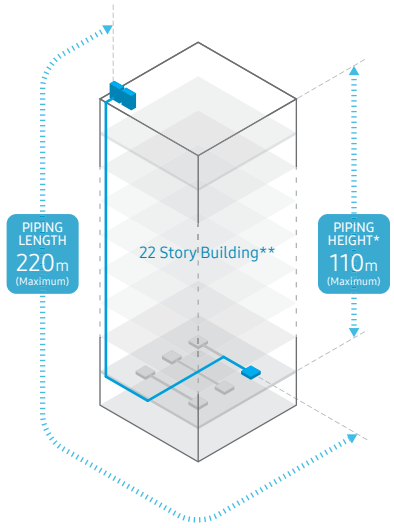
The simplified yet powerful design of the DVM S outdoor unit makes the installation process much easier. Its long piping and balanced refrigerant distribution also mean it can be placed in many more locations.

09

More flexible installation in more places

High Elevation with Long Piping

Enjoy more choice when selecting the optimum installation location. The DVM S outdoor unit's long piping length provides the flexibility for the outdoor unit to be installed almost anywhere, regardless of its height or distance from the building. It has a maximum piping length of up to 220 meters (721 feet) between the outdoor and indoor units. It can also work efficiently and reliably at an elevation of up to 110 meters (360 feet)*, which is the equivalent of 22 stories**.





Optimized refrigerant distribution control

The DVM S compensates for the long piping distance between outdoor units and indoor units by providing balanced refrigerant distribution. The individual indoor units perform capacity connection control and automatic refrigerant balancing to ensure balanced performance between the units.

Refrigerant pump-down and pump-out

The DVM S provides refrigerant pump-down and pump-out functionality to simplify unit replacement, additional installation and maintenance. When the outdoor unit or pipes require maintenance or the indoor units need to be moved, the refrigerant can be recovered into the outdoors units.

* When the piping height is over 50m, a PDM (Pressure Drop Modulation) Kit may be required depending on the conditions at the installation location.

** Based on the assumption that the height of a story is 5m.
May vary depending on the location of indoor units.

All-year Comfort - Perfectly optimized in all climates

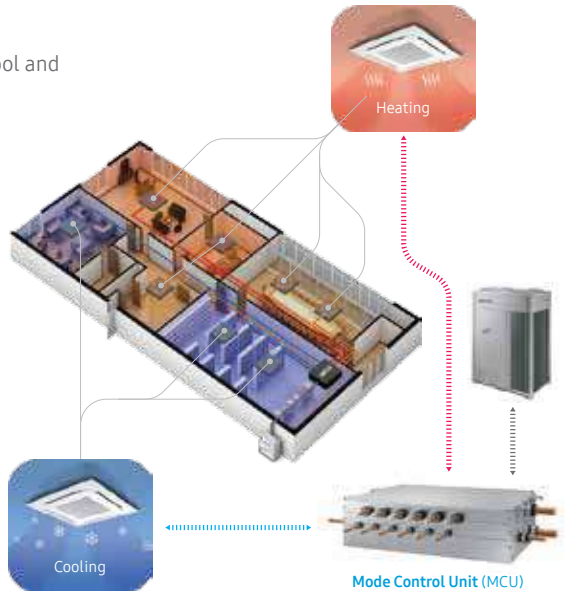
The DVM S system is also ideal for residential buildings. It lets you easily control the room temperature even in the hottest or coldest weather. And you can reduce the noise level to minimize disturbance at night.

10 Independently cool and heat multiple spaces

Simultaneous Cooling and Heating*

With a Mode Control Unit (MCU)**, the DVM S lets you independently cool and heat different spaces at the same time. So you can simultaneously heat some rooms or areas of the building, while cooling others.

* Available only on DVM S HR (Heat Recovery) models. ** Optional.



11 Ensures comfort in all seasons

Wide Temperature Spectrum

No matter how extreme the temperature, the high-performance DVM S can handle the conditions. Operating across a wide temperature spectrum, it can cool in heat of up to 48°C and provide warmth in freezing cold conditions of -25°C.



12 Simply optimizes your comfort

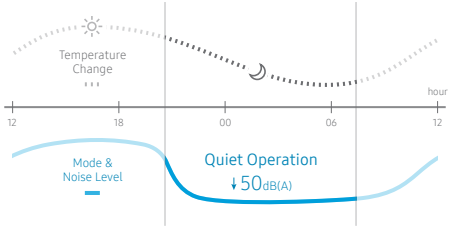
Easy Temperature Control

The Discharge Air Temperature Control enables operators to conveniently control the temperature of discharged air without changing the outdoor unit's setting. Instead, each duct has an indoor Discharge Air Temperature Control function to provide year-round comfort, whether operating in cooling or heating mode.

13 Works quietly and efficiently at night

Quiet Operation

A noise control system lowers the level of noise to below 50dB(A)*, which is as quiet as a normal conversation. It has a timer and can be set to operate for up to 12 hours. So people around an installation won't be disturbed at night.



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

VRF | DVM S

Smart Management - Simpler to monitor and control

Wherever you are and whatever you want to do, the Samsung DVM S has a range of smart management capabilities that make life much simpler.

14 Remotely monitor and solve issues

S-converter

With the S-converter, you can access the system using a smartphone or tablet PC to monitor its operational status or data whenever and wherever you like. In self-diagnosis mode, it automatically monitors its performance and displays an error code if it detects anything abnormal. You can then check and address the issue promptly.





16 Easy access without opening the cover

Display Window

Using a small opening on the outdoor unit, it is easy to check its status and set options, without having to remove the entire front cover.

15 Control your comfort anytime, anywhere

Smart Wi-Fi

An optional Wi-Fi Kit lets you remotely control up to 16 indoor units using an App*. Anytime and anywhere you can turn them on and off, select the operating mode and temperature, and utilize their other functions.



17 Simply restore data for repair and recovery

Automatic Data Backup

If a malfunction occurs, the DVM S automatically backs up the last 30 minutes of operational data to make the repair and recovery process easier.

* Available on Android and iOS devices. A Wi-Fi connection is required.

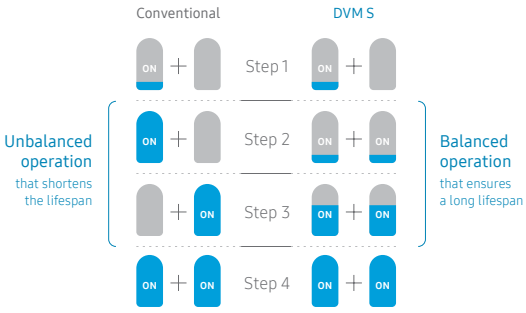
Reliability & Durability - Works longer and more consistently

The Samsung DVM S is designed to deliver a long-lasting and consistently effective performance in wide range of locations and the most challenging operating conditions.

18 Balanced operation for extra durability

Digital Inverter System

Enjoy a lasting performance and lower maintenance costs. The Samsung Digital Inverter system efficiently balances the operation of the compressors. It ensures that they are more durable and have a longer lifespan*, reducing the cost of maintenance and replacement products or parts.



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

19 Reduces the effect of ambient conditions

Circuit Cooling System using Refrigerant

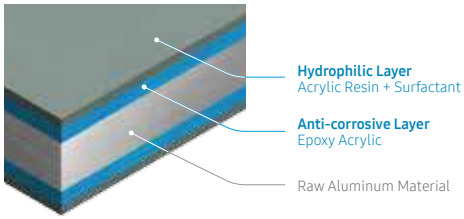
Minimize the effect on performance of changes in the ambient temperature. A Circuit Cooling System uses refrigerant that radiates heat from the inverter circuit more consistently than conventional air cooling. So it delivers a reliable performance even when the external temperature fluctuates.



20 Better heat exchange, lasting performance

Protective Coating

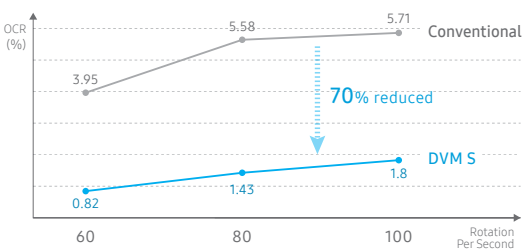
Delay frost formation for a consistent heating performance and prevent corrosion. A protective coating on the Heat Exchanger has an anti-corrosive layer of epoxy acrylic and a hydrophilic layer of acrylic resin and surfactant that disperses water, so it doesn't inhibit the heat exchange rate.



21 Rely on resilient performance

Large Oil Storage Capacity

With its large oil storage capacity and low Oil Circulation Ratio (OCR), the DVM S can ensure a reliable performance even for installations with long piping and a high elevation.



VRF | DVM S Eco

Small in size to fit into more spaces. Big in power to maximize comfort.



The DVM S Eco is a compact and efficient outdoor unit that's an ideal choice for a wide range of homes and small businesses. It's very easy and economical to install and use. Especially as its 4-way piping system means it can be configured to suit almost any space without additional fittings. And it can be connected to the indoor units in various areas, so you can control the operating mode and temperature of each space.



T FONDACO DEI TEDESCHI BY DFS
VENICE, ITALY

Industry Leading Capacity

—

Large Capacity
with Smaller Footprint

Energy Efficiency

—

Digital Inverter Scroll
Compressor
with a 6 Pole 9 Slot BLDC Motor

Optimized Heat Exchanger

All-round Comfort

—

Simultaneous
Cooling and Heating

Low Noise Level

Convenient Control

—

Wi-Fi Connectivity

Flexible Installation

—

Compact Size

High Elevation with Long Piping

4-way Piping

VRF | DVM S Eco

Industry Leading Capacity - More power, more choice

The Samsung DVM S Eco is the world's largest capacity and most compact side-discharge outdoor unit, which also offers a high level of energy efficiency. It's ideal for homes or business that need plenty of coverage, but only have limited space.



01 Lower installation costs, great capacity

Large Capacity with Smaller Footprint



The DVM S Eco is available in a wide range of capacities to ensure its optimum use and efficiency – whatever your needs and wherever it's used. There's a choice of 4HP, 5HP, 6HP, 8HP, 10HP, 12HP and 14HP models, so it's easy to select exactly the right level of performance to suit your particular heating and cooling requirements. As all models, even the world's largest 14HP model, have a small footprint, you can create the perfect VRF system in very limited spaces.



Energy Efficiency - Drive down costs and energy use

The Samsung DVM S Eco delivers world-class energy efficiency with advanced compressor technology. It offers industry-leading COP, which means exceptional heating and cooling performance at a nominal cost.



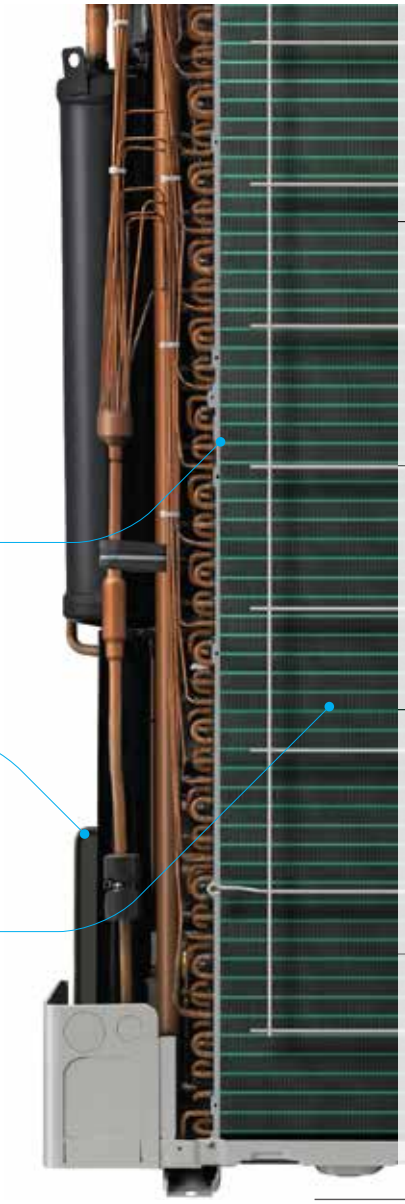
02

Optimized performance and energy use

Digital Inverter Scroll Compressor with a 6 Pole 9 Slot BLDC Motor

Save money every day with a highly efficient heating and cooling performance. The DVM S Eco features a Digital Inverter Scroll Compressor with a 6 Pole 9 Slot BLDC Motor, which has 9 magnets packed around 6 poles. Unlike conventional compressors, it maintains the desired temperature without frequently turning off and on, so there's less fluctuation and lower power consumption. And its twin eccentric cams and two balance weights create extremely low levels of vibration, contributing to a smoother and quieter all-round performance.







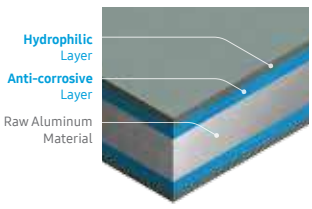
Optimized Heat Exchanger

The DVM S ECO has an optimized Heat Exchanger, which combines Corrugated Fins with a newly designed fan to enhance its heat exchange efficiency.



PHE (Plate Heat Exchaner) Sub-cooler

The DVM S Eco features a PHE sub-cooler that expands the heat exchange area to enhance its cooling efficiency and deliver even greater energy savings.



Dual Coated Aluminum Fins

The Dual Coated Aluminum Fins have an anti-corrosive layer of epoxy acrylic and a hydrophilic layer of acrylic resin and surfactant that disperses water, so it doesn't inhibit the heat exchange rate.

※ Specific features may vary by model and capacity.

VRF | DVM S Eco

All-round Comfort & Convenient Control - Tailored to spaces, adjust anywhere

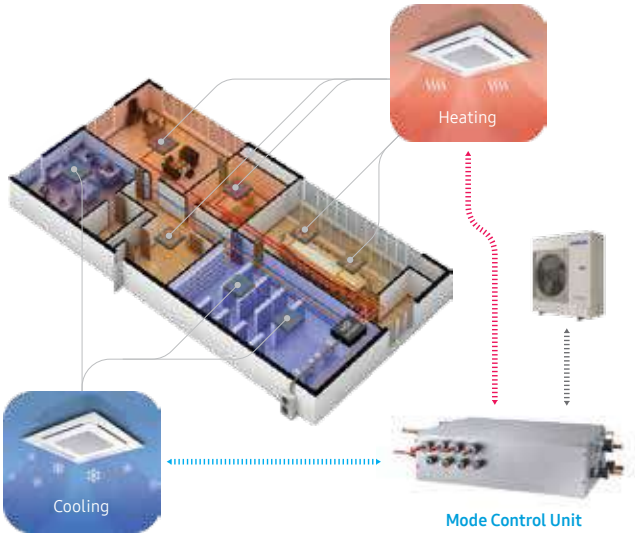
The Samsung DVM S Eco gives you the flexibility to individually optimize the living or working conditions in multiple locations - all at once. And you can remotely control its operation from wherever you are.

03 Cool and heat different rooms together

Simultaneous Cooling & Heating

Cool and heat separate rooms at the same time with the Samsung DVM S Eco. The three pipes that come out of the outdoor unit can be connected to the indoor units of various rooms using the HR-Changer*, connected to a MCU (Mode Control Unit)**. It lets you individually control the operating mode and temperature for each space. So you can simultaneously heat some rooms or areas of the building, while cooling others. It is an ideal solution for large residential houses and hotel sites.

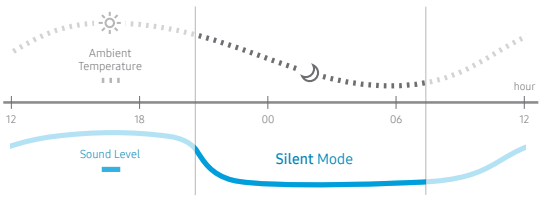
* Only available on certain models. May differ by capacity.
** The type of MCU is based on the outdoor unit's capacity, and can connect up to 6 ports, so it is possible to control 6 rooms with 1 MCU.



04 Quieter atmosphere to enhance productivity

Low Noise Level

With its compact design and sound absorbing technology, the DVM S Eco makes much less noise*. So you can enjoy fewer noisy distractions in working environments. And you can activate a Silent mode for night-time**.



* Based on internal testing. Results may vary depending on environmental factors and individual use.
** Disabled as standard, but it can be activated during the installation/service stage.

05 Control your comfort anytime, anywhere

Wi-Fi Connectivity

An optional Wi-Fi Kit* lets you remotely control indoor units using a smartphone App**. Anytime and anywhere you can turn them on and off, select the operating mode and temperature, and utilize their other functions.



* Sold separately.
** Available on Android and iOS devices. A Wi-Fi connection is required.

Flexible Installation - Fits in many more places

Make the best use of valuable space using the Samsung DVM S Eco outdoor unit. With a compact design and flexible connectivity, it's much easier to install in a much wider choice of locations.

06 Feel more comfortable in any size space

Compact Size (Small Footprint and Volume)

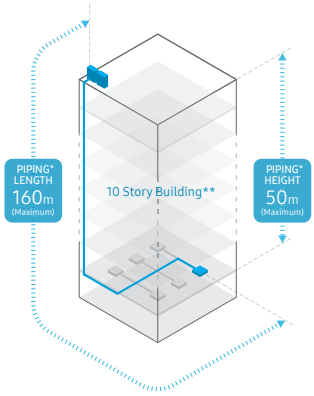
With a height of just 1210mm and a small footprint of only 0.318m², the DVM S Eco's overall volume is 5% less than competing models with the same capacity*, as well as top-discharge models. It makes it a convenient space-saving option in offices and can be installed easily, even in areas where space is limited.

* Based on internal testing. Height comparison in 6HP models: Samsung DVM S Eco = 1,210mm vs. A competitor's model = 1,380mm.



07 Works at up to 50m*

High Elevation with Long Piping



Enjoy more choice when selecting the optimum installation location. It has a maximum piping length of up to 160 meters (525 feet)* between the outdoor and indoor units. It also works efficiently and reliably at an elevation of up to 50 meters (164 feet)*, which is the equivalent of 10 stories**.

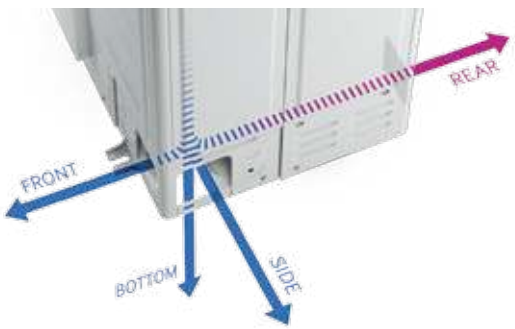
* Maximum piping length and height may vary by models.

** Based on the assumption that the height of a story is 5m. May vary depending on the location of indoor units.

08 Connects more ways

4-way Piping

The DVM S Eco's 4-way piping system* has connections at the front, side, bottom and rear, so it gives you much more flexibility. It can be configured to suit almost any room without additional fittings, while still being discretely concealed.

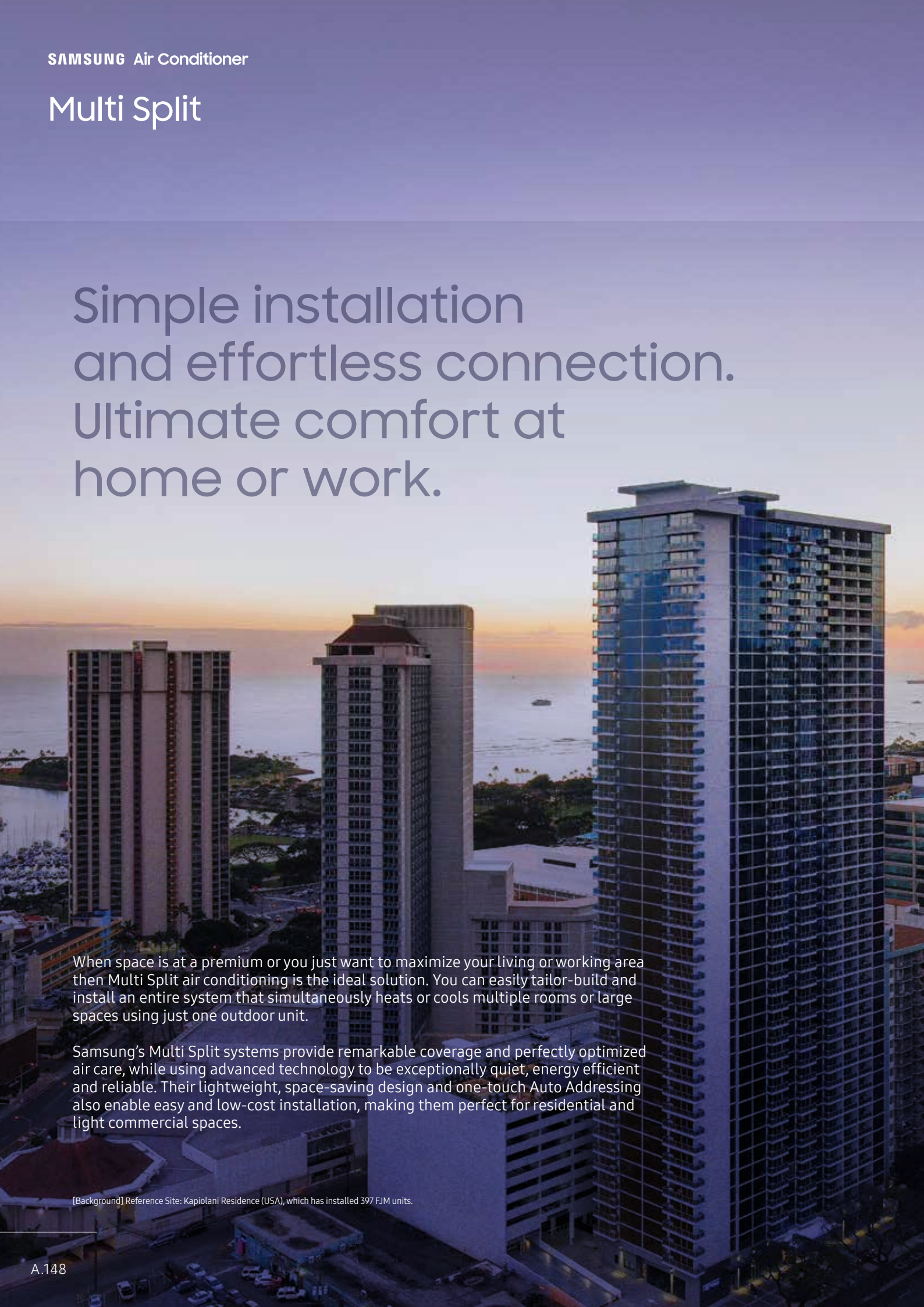


* Only available on certain models.

※ Specific features may vary by model and capacity.

Multi Split

Simple installation and effortless connection. Ultimate comfort at home or work.



When space is at a premium or you just want to maximize your living or working area then Multi Split air conditioning is the ideal solution. You can easily tailor-build and install an entire system that simultaneously heats or cools multiple rooms or large spaces using just one outdoor unit.

Samsung's Multi Split systems provide remarkable coverage and perfectly optimized air care, while using advanced technology to be exceptionally quiet, energy efficient and reliable. Their lightweight, space-saving design and one-touch Auto Addressing also enable easy and low-cost installation, making them perfect for residential and light commercial spaces.

[Background] Reference Site: Kapiolani Residence (USA), which has installed 397 FJM units.



5 reasons to choose the Samsung Multi Split systems

Eco-friendliness

Protect the Planet

Help to conserve the ozone layer and minimize global warming with a next generation refrigerant.

Efficiency

High Energy Efficiency

Reduce energy consumption and costs with Digital Inverter technology that automatically optimizes power usage and performance.

Easiness

Effortless Installation

Easily install and reduce labor costs with a compact and lightweight design, simple connectivity and one-touch settings.

Reliability

Long-lasting Performance

Enjoy greater reliability and durability with a smart compressor design and premium moving parts.

Silent

Less Disturbance

Hear much less noise with superior insulation and less vibration, creating a comfortable atmosphere to work or relax in.

Multi Split | FJM

Easily connects up to 5 indoor units. Silently yet powerfully cools and heats.



The Samsung Free Joint Multi (FJM) air conditioning system combines efficiency and reliability to deliver outstanding performance in a space-saving design. Supporting up to five indoor units, the FJM is a perfectly optimized cooling system for residences and smaller buildings with limited installation space. Its lightweight, small-scale build and one-button Auto Addressing enable easy, low-cost installation, while its uniquely quiet design ensures soothing comfort and maximum efficiency.



32 SANSON CEBU
CEBU, PHILIPPINES

Eco-friendliness

—

Eco-friendly
Refrigerant R32

Efficiency

—

Digital Inverter
Technology

Easy Installation

—

Compact Size

5 Port Design

Auto Addressing

Reliable Performance

—

Twin Rotary
BLDC Compressor

Silent Comfort

—

Sine Wave Controller

Double-layered
Sound Insulation

Multi Split | FJM

Eco-friendliness & Efficiency - Saves energy and the environment

Featuring a suite of energy-optimizing technologies, the Samsung FJM delivers top-class energy efficiency to help businesses and residential properties reduce costs and protect the environment.

01 Zero impact on the planet's ozone layer

Eco-friendly Refrigerant R32

Protect the planet by reducing the impact on climate change with the FJM system's next generation R32 refrigerant, which helps conserve the ozone layer and has a low impact on global warming. It has an Ozone Depletion Potential (ODP) of zero and a lower Global Warming Potential (GWP) than conventional R22 or R410A refrigerants*. It also reduces the amount of refrigerant needed and cuts CO_2 emissions**, so it's much more environmentally friendly.



* GWP rating: R32 refrigerant = 675 vs. R410A refrigerant = 2,088.

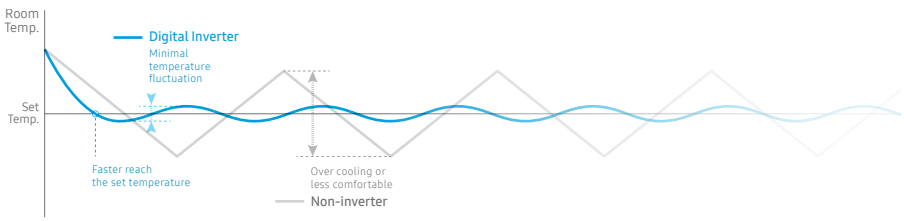
** The Samsung FJM (R32) only requires 83% of the refrigerant used in a conventional system (R410A) of the same capacity. So the level of CO_2 emissions of the FJM is 560 (675 x 0.83), which is 73% less than the 2,088 produced by a conventional system.



02 Automatically save energy & money

Digital Inverter Technology

Save money every day with Samsung's highly energy-efficient Digital Inverter technology. Unlike conventional fixed-speed compressors, which frequently shut off and switch on, the compressor automatically adjusts its speed in response to changes in the surrounding room temperature. So it helps to ensure optimum comfort by maintaining the desired temperature, with little fluctuation. And it optimizes power usage when cooling, which reduces energy consumption by up to 60%*, saving you money.



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

Easy Installation - Frees up valuable space, time and money

The FJM outdoor unit can be installed in many more places, as it requires much less space - effectively replacing 5 outdoor units. And its Auto Addressing function makes the installation easier than ever.





03

Fits in small places, covers large spaces

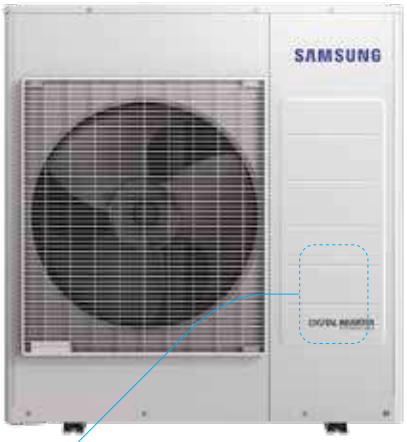
Compact Size

The small dimensions of the FJM outdoor unit mean it is simple to install almost anywhere - even on a tiny balcony. In particular, as all models are less than 1m in height*, they can be installed under a balcony window, so they enhance the interior as they do not affect the view out of the window.

* The net dimensions of 10kW models are 940 x 998 x 330mm (WxHxD), and 6.9kW models are 880 x 798 x 310mm (WxHxD).

5 Port Design

A single FJM outdoor unit can be connected to up to five indoor units, so you can keep the building exterior clean and neat.







04

Easy one-touch set-up

Auto Addressing

The FJM system features Auto Addressing that lets you connect to multiple indoor units with one simple touch. When you select this mode, the outdoor unit automatically checks the connections and gives the address numbers to connected indoor units, so it simplifies the set-up process by eliminating many of the troublesome tasks involved in manual addressing. It makes the installation easier than ever, and helps save time and costs.

Multi Split | FJM

Reliable Performance - Designed to work consistently harder

The smart compressor design and premium moving parts of the Samsung FJM air conditioning system deliver a balanced performance, fully complying with new EU regulations for enhanced efficiency.

05

Smoother & longer lasting performance

Twin Rotary BLDC Compressor

Enjoy greater efficiency and reliability with Twin Rotary BLDC Compressor of the FJM outdoor unit. Its twin eccentric cams and two balance weights create extremely low levels of vibration, contributing to a smoother and quieter all-round performance. The use of high quality moving parts, such as robust bearings and premium matching rollers and vanes, also ensures much better stability and durability.



Twin Rotary Compressor

BLDC Motor

Silent Comfort - Nothing disturbs your productivity or relaxation

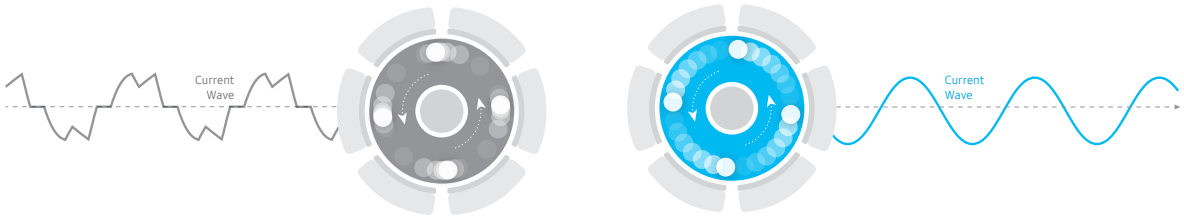
The combination of superior insulation and low vibration generates less noise, so it creates a comfortable atmosphere that you can be more productive and relaxed in.

06

Produces a much quieter current wave

Sine Wave Controller

Hear much less noise when the air conditioner is running thanks to Samsung's newly developed Sine Wave Controller technology. Unlike a conventional Square Wave Controller, which emits a noticeable sound, it produces current waves that have a smooth curve with no spikes or ripples. This significantly reduces the noise created by the outdoor unit, so it operates very quietly* and creates less disturbance.



Square Wave Controller

Sine Wave Controller

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



07

Insulated for quieter operation

Double-layered Sound Insulation

The compressor is fully covered in double-layered sound insulation material that absorbs and minimizes noise. So it operates quietly and discretely, but still delivers a high-quality performance.

Commercial



Optimum comfort for maximum productivity. Helping businesses work harder.

Creating a comfortable working environment is essential to enhancing productivity. If a workplace is too hot or cold or just unnecessarily noisy, it's unlikely that your employees will be able to concentrate and work as efficiently as possible. This may mean that jobs are delayed or not finished to the highest possible standards, with a subsequent impact on the long-term performance and profitability of the business.

Samsung's CAC air conditioning systems use advanced technologies to ensure optimal comfort in almost any commercial environment, with a superior performance and near-silent operation, while also minimizing running costs and energy consumption.

[Background] Reference Site: Caves Carriere (France), which has installed 1 CAC unit along with 3 DVM S units.



5 reasons to choose the Samsung Commercial Climate Solutions

Eco-friendliness

Protect the Planet

Help to conserve the ozone layer and minimize global warming with a next generation refrigerant.

Efficiency

High Energy Efficiency

Reduce energy consumption and costs with a dual inverter system featuring simultaneous compressor operation for higher performance.

All-year Comfort

Year-round Climate Control

Enjoy a comfortable environment even in extreme climates with advanced temperature control and a rapid cooling and heating performance.

Wide Choice

Large Range of Indoor Units

A universal outdoor unit with various capacities supports many types of indoor unit.

Flexibility

Easy Installation and Expansion

Connect up to four indoor units with a single outdoor unit and install more easily with a flexible 4-way piping system.

Commercial | CAC Single

Simple to install and delivers optimal comfort, energy savings and environmental protection.



Most commercial businesses need to balance performance with cost. Samsung's CAC Single air conditioning systems let you create the perfect working conditions for everyone, while also saving money. As well as being environmentally-friendly you can also utilize a range of indoor units to suit the particular needs of key areas of the business.



GREENWOOD FISH MARKET
SINGAPORE

GREENWOOD FISH MARKET
SINGAPORE

Eco-friendliness

—

Eco-friendly Refrigerant R32

Efficiency

—

Digirtal Inverter technology

All-year Comfort

—

Fast Cooling & Heating

2 Step Operation

Wide Range of Operating Temperatures

Flexibility

—

Universal Outdoor Unit

Digital Park Multi System

4-way Piping

Commercial | CAC Single

Eco-friendliness & Efficiency - Saves energy and the environment

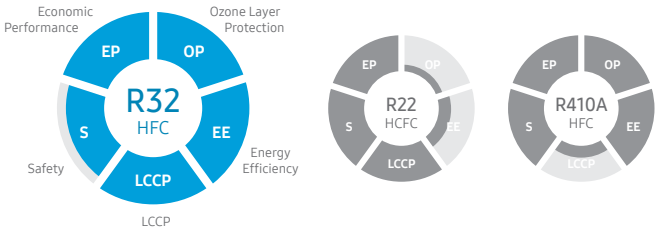
Featuring R32 refrigerant and Digital Inverter technology, the Samsung CAC Single air conditioning system delivers exceptional energy efficiency to help businesses reduce costs and protect the environment.

01

Zero impact on the planet's ozone layer

Eco-friendly Refrigerant R32

Protect the planet by reducing the impact on climate change with the Samsung CAC Single. It uses the next generation R32 refrigerant, which helps conserve the ozone layer and has a low impact on global warming. It has an Ozone Depletion Potential (ODP) of zero and a lower Global Warming Potential (GWP) than conventional R22 or R410A refrigerants*. It also reduces the amount of refrigerant needed and cuts CO_2 emissions**, so it's much more environmentally friendly.



* GWP rating: R32 refrigerant = 675 vs. R410A refrigerant = 2,088.

** The Samsung CAC Single (R32) only requires 83% of the refrigerant used in a conventional system (R410A) of the same capacity. So the level of CO_2 emissions of the CAC Single (R32) is 560 (675 x 0.83), which is 73% less than the 2,088 produced by a conventional system.



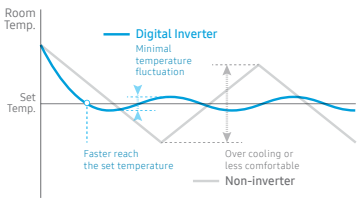
02

Automatically save energy & money

Digital Inverter Technology

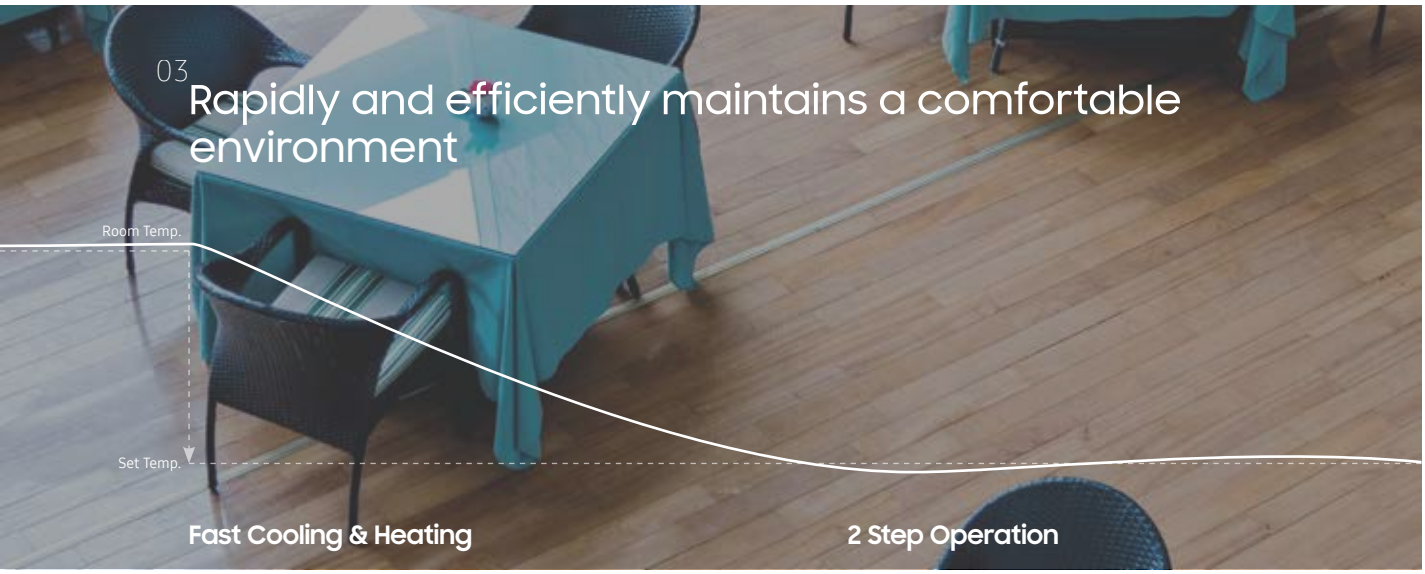
Save money every day with Samsung's highly energy-efficient Digital Inverter technology. Unlike conventional fixed-speed compressors, which frequently shut off and switch on, the compressor automatically adjusts its speed in response to changes in the surrounding room temperature. So it helps to ensure optimum comfort by maintaining the desired temperature, with little fluctuation. And it optimizes power usage, which reduces energy consumption and saves you money.





All-year Comfort - Fast and consistent temperature control

The Samsung CAC Single cools or heats rooms very quickly and automatically maintains a precise and consistent temperature. So you always feel comfortable without the need for any manual adjustment.



When users change the temperature setting, the Samsung CAC Single uses the maximum compressor power to quickly reach the desired temperature. As a result, it delivers up to 15% faster cooling* and up to 50% faster heating* to create a comfortable ambiance without a long delay.

As soon as the room temperature reaches the desired or set temperature, the Samsung CAC Single changes its operation mode and performs fine adjustments to cope with any changes. So it ensures that there is less temperature fluctuation and creates the ideal working conditions in a matter of minutes.

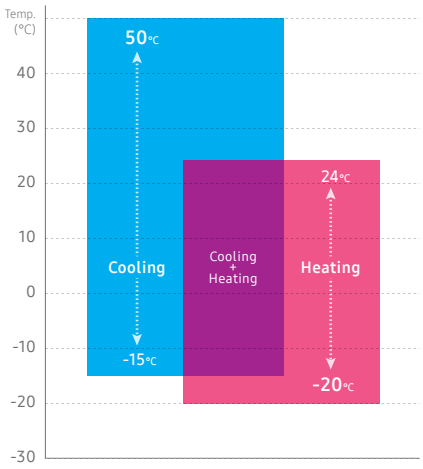
* Based on internal testing. Results may vary depending on environmental factors and individual use.

04

Stay comfortable even in extreme climates

Wide Range of Operating Temperature

No matter how extreme the temperature, the high-performing CAC Single can handle the conditions - without the need for an additional unit. Featuring a wide temperature range, it can cool in heat of up to 50°C and provide warmth in the freezing cold of -20°C to ensure a constant and comfortable environment.



Commercial | CAC Single

Flexibility - Install easily, expand flexibly

The Samsung CAC Single works with various types of indoor system, and can support up to 4 separate units. So you can easily optimize the air conditioning to suit any particular space and room conditions.

05 Wide choice of indoor unit

Universal Outdoor Unit

The Samsung CAC Single features a universal outdoor unit with various capacities, which supports all types of Samsung indoor unit, including the innovative Wind-Free™ air conditioners and 360 Cassette, as well as Ducted, Wall-mounted or Console type air conditioners. This wide selection of indoor units ensures that they provide the perfect level of comfort to suit your particular taste and room conditions.





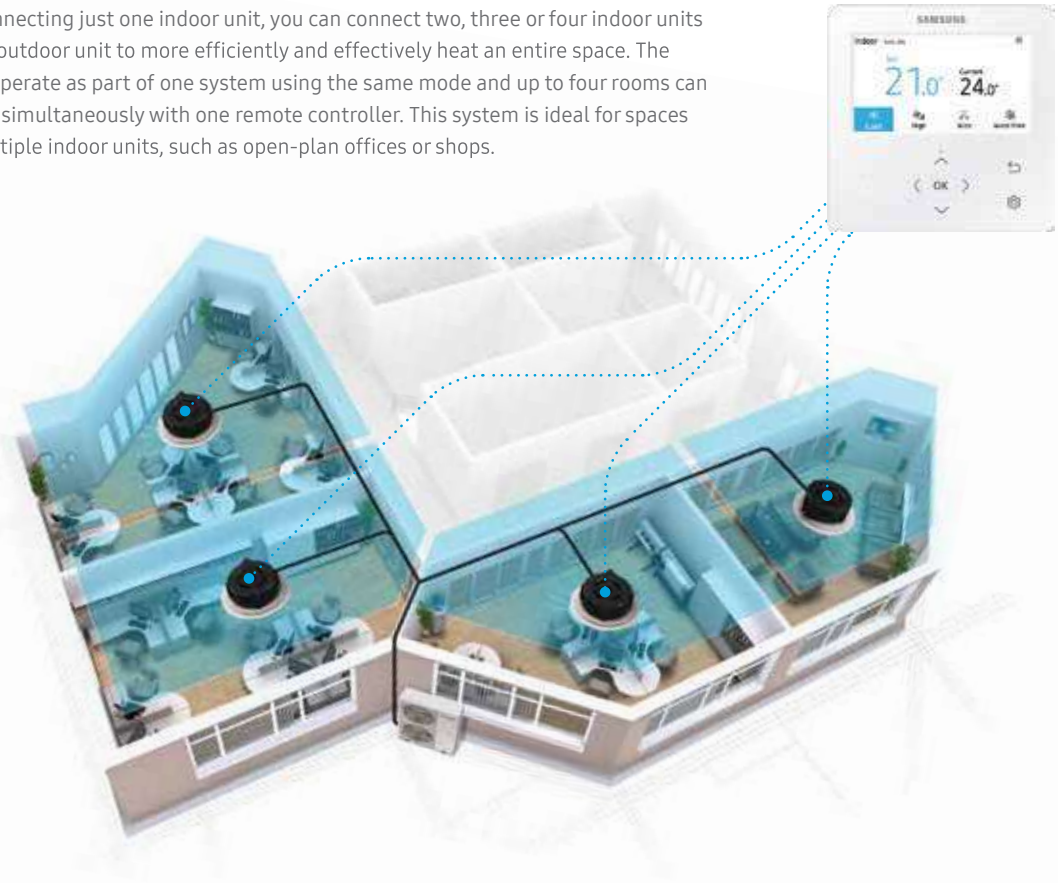


06

Covers wider, combining up to 4 indoor units

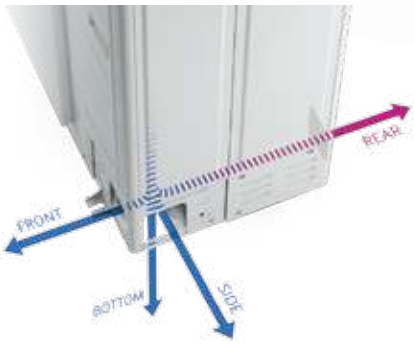
Digital Pack Multi System

Instead of connecting just one indoor unit, you can connect two, three or four indoor units with a single outdoor unit to more efficiently and effectively heat an entire space. The indoor units operate as part of one system using the same mode and up to four rooms can be controlled simultaneously with one remote controller. This system is ideal for spaces requiring multiple indoor units, such as open-plan offices or shops.



07

Connects more ways, fits more places



4-way Piping

Install and maintain your outdoor unit easily in many more places. Unlike conventional front-discharge models, the Samsung CAC Single outdoor unit features a 4-way piping system*. It has connections at the front, side, bottom and rear, so it gives you much more flexibility in selecting the optimum installation location. It can be configured to suit almost any room regardless of the direction of the unit and without additional fittings, while still being discretely concealed behind ceilings.

* Only available on certain models.

Ventilation



Efficiently maintains refreshing indoor air, just like breathing outside.

Indoor air quality is gaining an increasing amount of attention as more and more people are becoming ill due to airborne contaminants. Indoor air contamination is also often the cause of building-related syndromes, such as asthma, headaches and dizziness.

The Samsung Ventilation System provides fresh, healthy air drawn in from the outside, rather than simply recirculating indoor air. Its intelligent design also minimizes energy loss to ensure maximum efficiency and incorporates special features that enable flawless ventilation and more effective operation.

[Background] Reference Site: Centro Corporativo Portinari (Brazil), which has installed 18 ERV units.



4 key reasons to choose the Samsung Ventilation Systems

Efficiency

Superior Energy Savings

Reduce energy consumption and costs with an energy-efficient design, as well as automatically optimized operating modes and efficient temperature control.

Comfort

Maximized Comfort

Enjoy outstanding comfort with a Diamond type Heat Exchanger, which efficiently maintains the desired temperature in any weather. It also reduces the levels of CO_2 and noise.

Conservation

Energy Recovery

Works more efficiently by recovering heat from the air expelled by the exhaust fan and using it to heat or cool the outdoor air that is taken in.

Design

Optimized Design

As well as featuring a slim and compact design, the indoor unit can also be installed vertically or horizontally. So it saves time and space and can be used in many more locations.

Ventilation | ERV

Breathe fresher air from outdoors, enjoy the ideal temperature indoors.



The Samsung ERV (Energy Recovery Ventilation) system provides fresh air from outside while minimizing energy loss for maximum efficiency. Its intelligent structure incorporates features specifically designed for flawless ventilation with efficient operation. Its advanced Diamond type Heat Exchanger provides a high-efficiency heat recovery performance and makes the whole unit a compact size. And, using Quiet Mode, you won't be disturbed by unpleasant noise.



V-HOUSE
SAO PAULO, BRAZIL

Energy Saving

—

2-way Ventilation Design

Auto Mode

Energy Saving Mode

Comfort

—

CO_2 Sensor

Quiet Mode

Optimized Design

—

Free Direction Installation

Slim Build

Diamond type
Heat Exchanger

Ventilation | ERV

Energy Saving - Designed for efficiency, controllable for more savings

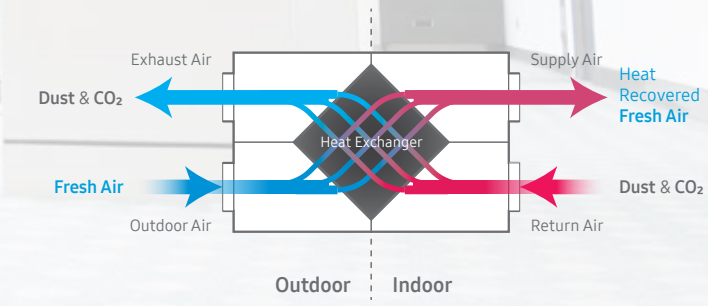
The Samsung ERV system includes a number of innovative features that optimize the efficiency of your heating and cooling to ensure maximum comfort with minimum energy use.

01

Drive energy savings with enhanced ventilation and unparalleled heat exchange

2-way Ventilation Design with an Optimized Heat Exchanger

The ERV indoor unit delivers exceptional cooling and heating all year round with a 2-way Ventilation Design. It has air inlets and outlets on both sides of the unit that provide superior ventilation efficiency. And its heat exchange area transfers heat energy while preventing the discharged contaminants from re-entering indoors, recovering up to 70% of the energy* needed to cool or heat the rooms. So its efficient heat recovery maintains the indoor temperature during the winter, and prevents outdoor heat and moisture from entering indoors during the summer.



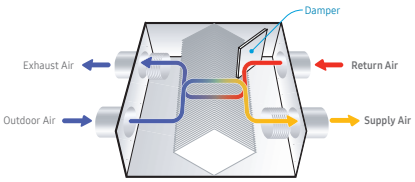
* Based on internal testing. Results may vary depending on environmental factors and individual use.

02

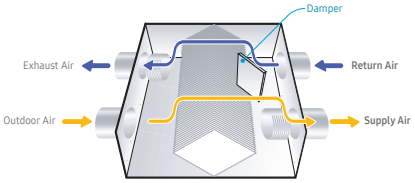
Automatically changes its mode to conserve energy

Auto Mode

The Auto Mode of the ERV indoor unit automatically changes its operation mode, based on the temperature difference between the indoor and outdoor environment, to utilize energy more efficiently. In extreme climates, where there is a big temperature difference in certain seasons, like winter and summer, it brings in fresh outdoor air that is heated or cooled by the indoor air that is being expelled. But in mild climates, such as spring and fall, it simply uses outdoor air without the need for any heat exchange.



Extreme Climates
(Winter & Summer)



Mild Climates
(Spring & Fall)



03

Controls air conditioners to optimize energy use

Energy Saving Mode

When the ERV indoor unit is combined with an air conditioning system, it provides world-class energy savings by intelligently reducing the total operating hours of your air conditioners. As a result, it optimizes the cooling and heating performance across all of your rooms to ensure a comfortable environment, but saves energy by reducing the overall load on the systems.



Ventilation | ERV

Comfort - Relentless freshness and distraction-free operation

With the Samsung ERV system you can enjoy high-performance comfort throughout your environment with an improved air quality and lower noise levels.

04

Instantly reduces CO_2 in your room

CO_2 Sensor*

The ERV indoor unit has a CO_2 Sensor* that detects the level of CO_2 in the air and instantly draws in more outdoor air to maintain a comfortable environment. You can also attach a Humidity Stat** that detects the amount of moisture in the room and automatically adjusts the humidity level.



* Optional.
** Procured locally.

05

Doesn't disturb your life and sleep

Quiet Mode

The ERV indoor unit features a Quiet Mode that ensures it operates discretely whenever you need by creating less noise. So you can always enjoy fresh air without being disturbed by unpleasant noises when you are going to sleep at night - or just enjoying your day. It means that you have a more flexible choice of installation locations, as it can be used near places where you sleep, relax, concentrate or are sensitive to noise.



Optimized Design - Easier to install and maintain

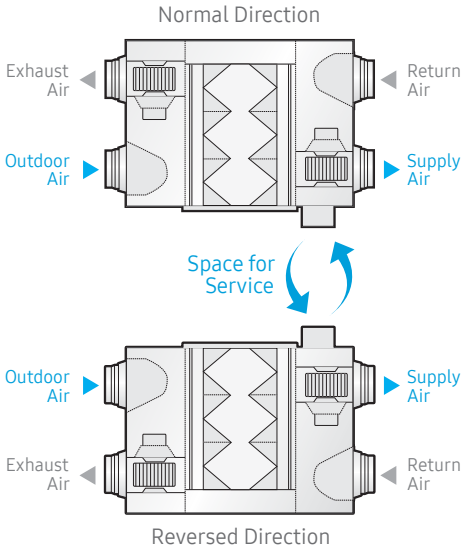
The compact yet powerful design of the Samsung ERV system makes the installation process much easier. It also offers a choice of installation directions, so it can be placed in many more locations.

06

Flexibly install in almost any space

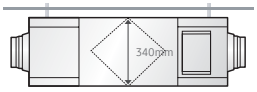
Free Direction Installation

The ERV indoor unit can be installed vertically or horizontally. This installation flexibility saves time on maintenance, especially when installing more than one unit. You can reduce the number of service holes by installing an ERV unit with a dedicated Control Box facing a single service hole.



Slim Build

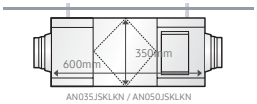
Samsung's advanced technology enables a slim and compact design. By applying a highly efficient heat exchanger element, Samsung has been able to reduce the ERV system's height to 270mm. Compared to traditional units with rectangular-type heat exchangers, Samsung ERV units use space more efficiently with their slim, diamond- shaped design.



260 CMH



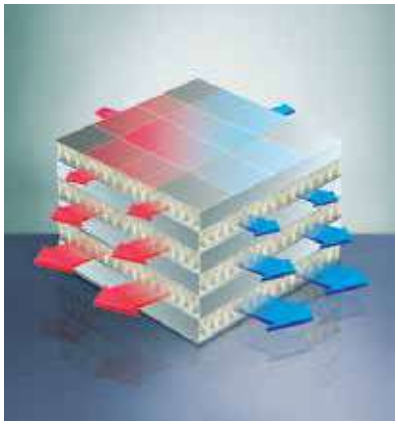
800, 1,000 CMH



350, 500 CMH

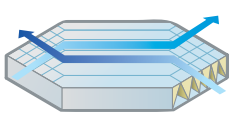
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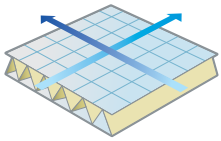
Enlarged area for better heat exchange



Diamond type Heat Exchanger

The ERV indoor unit features a new Diamond type Heat Exchanger that is optimally designed for an enhanced air flow. It also makes the whole unit size more compact, reducing the height to 270mm, but it offers much greater efficiency compared to rectangular or hexagonal type heat exchangers.


Hexagonal Type


Rectangular Type

Controls



Individually or centrally, from anywhere you want. Everything is always under control.

Samsung Control System offers convenient control of individual indoor units or entire groups of multiple units. Using a variety of systems, users can easily monitor and control multiple functions.

[Background] Reference Site: Caves Carriere (France), which has installed controllers for 12 indoor units and 4 outdoor units.

Controls LINE-UP

Category	Product	Type	Model
Individual Control System	**Wireless** Remote Controller	**Standard** with **Wind-Free™**	AR-EH03E
		for **360 CST**	AR-KH03E
	Wired Remote Controller		MWR-WE13N
		Standard	MWR-WG00*N
		Simple	MWR-SH00N
		Touch Simple	MWR-SH11N
		for **ERV**	MWR-VH12N
		for **DVM Chiller**	MCM-A00N
		Standard for **EHS**	MWR-WW10N
Centralized Control System	**On/Off** Controller		MCM-A202DN
	Touch Controller		MCM-A300N
	Wi-Fi Kit 2.0		MIM-H04*N
Integrated Control System	DMS2.5		MIM-D01AN
	S-NET3		MST-P3P
Interface Device	**External Contact** Interface Module		MIM-B14
	Refrigerant Leak Detect (RLD) Interface Module		MIM-B14A
	ERV Interface Module		MIM-N10
	FCU Interface Module		MIM-F10N
	Modbus Interface module		MIM-B19N
	Thermostat Kit		MIM-A60*N
	Pulse Interface Module **(PIM)**		MIM-B16N
	BACnet Gateway		MIM-B17BN
	LonWorks Gateway		MIM-B18BN
Others	S-Converter		MIM-C02N
	Internal Comm. Compatibility Interface Module		MIM-N01
	MTFC (Multi Tenant Function Controllser)		MCM-C210N
	Operation Mode Selection Switch		MCM-C200
	Wind-Free™ RAC communication PBA		MIM-A00*N
	Wind-Free™ RAC communication PBA		MIM-R10*N
	Receiver Kit		MRK-A10N

COMPATIBILITY for NASA communication type models

RESIDENTIAL	VRF				MULTI SPLIT	COMMERCIAL			VENTILATION		EHS		CHILLER	
		AHU Kit MCM-D201N* MXD-K****N	ERV Plus	DVM Hydro			AHU Kit	PAC	ERV Kit MXD-K200VN		EHS Kit MIM-E0*		FCU	FCU Kit MIM-F00N
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Controls | Individual Control

Wireless / Wired Remote Controllers

Wireless Remote Controller
Standard with Wind-Free™

AR-EH03E



- Wind-Free™ On/Off
- Filter replacement alarm reset
- Simple On/Off timer
- Indoor unit option code setting
- Temperature setting range
  - Auto/Cool/Dry : 18°C (65°F) ~ 30°C (86°F)
  - Heat : 16°C (61°F) ~ 30°C (86°F)
- Direct/Indirect function On/Off
  - Motion Detect Sensor necessary
- Net dimensions (W x H x D): 48 x 138 x 24mm

Wireless Remote Controller
for 360 Cassette

AR-KH03E



- 360 Cassette air flow direction control
- Filter replacement alarm reset
- Simple On/Off timer
- Indoor unit option code setting
- Temperature setting range
  - Auto/Cool/Dry : 18°C (65°F) ~ 30°C (86°F)
  - Heat : 16°C (61°F) ~ 30°C (86°F)
- Direct/Indirect function
- Air Flow Direction Indicator
  - Spot / Mid / Wide / Swing
- Net dimensions (W x H x D): 55 x 166 x 28mm

Wired Remote Controller

MWR-WE13N



- Air conditioner/ERV operation setting (Horizontal air flow, Wind-Free™)
- LCD Backlight
- Air conditioner/ERV error monitoring
- Air conditioner individual blade control
- Filter cleaning alert/reset alert time
- Air conditioner/ERV interlocking control
- Energy saving control
- Automatic operation stop function
- Weekly operation schedule setting
- Button restriction function
- Built-in room temperature sensor
- Real time clock (Daylight Savings Time)
- Control max. 16 indoor units (Air conditioner + ERV) in group with single wired remote controller
- Net dimensions (W x H x D): 120 x 124 x 19.5mm

Wired Remote Controller
Standard type

MWR-WG00*N



- Full color 4.3" LCD screen
- Easy and Intuitive UI
- LCD Backlight
- Dual Set Point
- Auto Change Over
- Energy Consumption monitoring
- Multiple Language support*
- IR receiver is included
- Daylight Savings Time
- °C / °F Convertible
- Indoor model number display
- Error list display
- Built-in room temperature sensor
- SD slot
- Net dimensions (W x H x D): 120 x 120 x 19mm

* Language support by model

MWR-WG00JN	MWR-WG00KN
English	English
French	Italian
Spanish	Polish
German	Czech
Portuguese	Greek
Dutch	Slovak

Wired Remote Controller
Simple type

MWR-SH00N



- Simplified wired remote controller
- Air conditioner operation On/Off control
- Fan speed control
- Setting operation mode and temperature
- Reset filter cleaning alert indicator
- Adjust air flow direction
- Operation On/Off timer function
- Net dimensions (W x H x D): 75 x 122 x 16.6mm

Wired Remote Controller
Touch Simple type

MWR-SH11N



- Touch screen wired remote controller
- LCD Backlight
- IR receiver is included
- Away function
- Quiet mode, Sleep mode
- Reset filter cleaning alert indicator
- Air conditioner Individual/group control
- Operation On/Off timer function
- Wind-Free™/Long horizontal wind
- Button locking function
- Eliminate Operation Mode function : Auto/Cool/Dry/Fan/Heat mode
- Built-in room temperature sensor
- °C / °F Convertible
- Relative temperature setting function : -3 ~ +3°C setting
- Control max. 16 indoor units in group with a single wired remote controller
- Net dimensions (W x H x D): 94.2 x 122 x 19.5mm

Wired Remote Controller
for ERV

MWR-VH12N



- ERV only controller
- Operation mode setting
- Fan speed control
- Filter replacement alarm display and reset
- Away mode
- Simple On/Off timer
- Control max. 16 ERV units in group with single wired remote controller
- Net dimensions (W x H x D): 75 x 122 x 16.6mm

Wired Remote Controller
for DVM Chiller

MCM-A00N



- DVM Chiller On/Off control (Module/Group)
- Operation mode, water outlet temperature setting
- Optional operation setting
- Module/Group setting
- Weekly operation schedule setting
- Control max. 16 DVM Chiller units with single wired remote controller
- Support the Daylight Savings Time function
- Net dimensions (W x H x D): 120 x 124 x 19.5mm

Wired Remote Controller
Standard type for EHS

MWR-WW10N



- Full color 4.3" LCD screen
- Easy and Intuitive UI
- 2-Zone Control
- LCD Backlight
- Multiple Language support*
- IR receiver is included
- Daylight Savings Time
- °C / °F Convertible
- Error list display
- Built-in room temperature sensor
- SD slot
- Net dimensions (W x H x D): 120 x 120 x 19mm

* Available languages:
English, German, Spanish, French, Italian and Polish.

Controls | Centralized Control

Centralized Control Systems

On/Off Controller

MCM-A202DN



- Max. 16-group controller (Max. 128 units)
- Whole/Group/Individual indoor unit control (On/Off)
- Restriction on the use of wireless/wired remote controllers and external contact control
- Cooling and heating mode control
- Indoor unit error display
- Net dimensions (W x H x D): 110 x 120 x 55mm

Touch Controller

MCM-A300N



- 7 inch touch LCD controller
- Controls max. 128 indoor units
- Controls max. 12 zones
- Schedule control, Indoor unit usage restriction, View indoor unit error history
- Net dimensions (W x H x D): 205 x 163 x 38mm

Wi-Fi Kit 2.0

MIM-H04*N



- **Enhanced Convenience**
  - Voice Control available through a smartphone with Bixby
  - Connected home with affordable units in every home using SmartThings
  - Welcome cooling and heating based on Geo-fencing
  - Individual indoor unit control
- **Personalized Climate Environment**
  - Preferred automation
  - Multi-device experience interoperable with smart appliances
- **Energy Usage Monitoring**
  - Current and daily, weekly or monthly energy usage** of the outdoor unit

** Calculated by Samsung's own algorithm, it cannot be used as a legal basis.

- **Provides ease of installation**
  - Easy set-up possible for up to 16 indoor units at once
- Net dimensions (W x H x D): 185 x 130 x 29mm

Global	MIM-H04N
EU	MIM-H04EN
NA	MIM-H04UN
Turkey	MIM-H04RN
Thailand	MIM-H04NDZ
China	MIM-H04CN

Integrated Control Systems

DMS2.5

MIM-D01AN



- Built-in web server for PC-independent management and remote access control
- Multiple upper-layer control access (S-NET 3, Web-client)
- Weekly/Daily schedule control
- Power distribution function
- Current time management even during power failure (for 24 hours)
- Emergency stop function with simple contact interface
- Individual/Group control of up to 256 indoor units, AHU and ERV
- User editable control logic
- Accessible level management.
- Dynamic security management
- Operation & error history management
- Data storage in non-volatile memory & SD memory
- Net dimensions (W x H x D): 240 x 255 x 65mm

S-NET3

MST-P3P



S-NET 3 is a complex management program that controls and monitors a complete air conditioner network system. The S-NET series provides flexible and complete control for a variety of applications.

- Connect up to 16 DMSs using Ethernet
- Control and Monitoring
- Schedule Control
- Zone Management
- Power Distribution Management
- History Management

Controls | Interface Devices

Module, Application Kit, Gateway

External Contact Interface Module

MIM-B14



The Samsung Guestroom Management System saves users the energy and money wasted on cooling an unoccupied room. The air conditioner is activated when the Key-Tag is in place and turns off when the Key-Tag is removed.

An external contact interface module provides direct indoor unit control via an external contact signal, as well as window-synchronised indoor unit control. The emergency control function features simple contact input. Plus the module generates indoor unit operation/error state output through relay contacts.

- Direct indoor unit control by external contact signal
- Window-synchronised indoor unit control
- Emergency control with simple contact input
- Indoor unit operation/error state output through relay contacts
- Net dimensions (W x H x D): 50 x 80 x 35mm

Refrigerant Leak Detect (RLD) Interface Module

MIM-B14A



The RLD Interface Module is an interface module that has 2 outputs and 1 input. It is mainly applied to the Refrigerant Leak Detector system.

- RLD Interface Module function
  - To send a refrigerant leakage detection signal from a master DDC to an outdoor unit
  - To send a outdoor pump down operation status signal from an outdoor unit to a master DDC
- Net dimensions (W x H x D): 50 x 80 x 35mm

ERV Interface Module

MIM-N10



- Communication interface module between ERV and controller
- Connect 1 ERV interface module to max. 16 ERVs
- Individual control – max. 16 ERVs
- Group control – max. 16 groups
- Supported communication type
  - Conventional communication ERV ⟷ New communication upper level controller
  - New communication ERV ⟷ Conventional communication upper level controller
  - New communication ERV ⟷ New communication upper level controller
- Net dimensions (W x H): 50 x 80mm

FCU Interface Module

MIM-F10N



- Communication interface module between FCU (indoor unit or Kit by Samsung) and Samsung control layer (R1/R2: such as DMS2.5)
- Connect 1 FCU interface module to max. 16 FCUs (indoor unit or Kit by Samsung).
- Net dimensions (W x H): 50 x 80mm

Modbus Interface Module

MIM-B19N



A BMS or 3rd controller can control a Samsung SAC by using the Modbus protocol.

- BMS unit protocol: Modbus RS485 (2 wires, max. 1,000m)
- Unit connection protocol: Samsung Control Layer Protocol (R1/R2)
- Max. No. of connection units: 1 outdoor unit (4 outdoor units including sub units in the case of modular installation) and 48 indoor units
- Modbus interface module address range : up to 247
- Net dimensions (W x H): 50 x 80mm

Thermostat KIT

MIM-A60*N

The Thermostat Kit lets you operate a Samsung system air conditioner using a 3rd Party thermostat.

- Compatible products: DVM, CAC, FJM, RAC with NASA communication. - Need one Thermostat Kit per indoor unit
- Supply Power: 24VAC
- Controlled mode: Cooling/Heating/FAN/On-Off
- Net dimensions (W x H x D): 130 x 132 x 38mm

SE Asia, Latin	MIM-A60N
Turkey	MIM-A60RN
NA	MIM-A60UN

* The 3rd party thermostat should be connected to the Thermostat Kit by wires from the Cooling(Y), Heating(W) and Fan(G) terminals.

Pulse Interface Module (PIM)

MIM-B16N



- The Watt-hour Meter Interface Module can be exclusively used for DMS 2.5 power distribution, displaying power consumption for each watt-hour meter.
- Exclusive use for DMS 2.5 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Watt-hour meter - by 3rd party
- Net dimensions (W x H x D): 240 x 255 x 65mm

BACnet Gateway

MIM-B17BN



With the BMS control and monitoring function, the BACnet gateway makes it easy to control the air conditioning network in various ways. The BACnet gateway can control up to 256 indoor units.

- Interface for the BACnet management system
- Maximum 256 indoor units plus ERVs support with a maximum of 80 interface modules
- Includes DMS 2.5 functions
- Net dimensions (W x H x D): 240 x 255 x 65mm

LonWorks Gateway

MIM-B18BN



The LonWorks gateway is an interface for Lon-Connection to the LonWorks management system, providing you with a more convenient way to manage your air conditioning system. It can control a maximum of 128 indoor units, used in combination with S-NET 3.

- Exclusive use for DMS 2.5 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Watt-hour meter - by 3rd party
- Net dimensions (W x H x D): 240 x 255 x 65mm

Controls | Others

Other Devices

S-Converter

MIM-C02N



Communication converting module to connect a Samsung system air conditioner to a PC

- Main reasons for use
  - To connect with test run program [Test run program]
  - S-NET Pro: Conventional communication
  - S-NET Pro2: New communication
- Net dimensions (W x H x D): 66 x 92 x 28mm

Interface Module

MIM-N01



Provides a communication interface between outdoor units and the upper level controller, which uses a different type of communication.

- Connect 1 interface module to 1 outdoor unit
- Individual control - Maximum 48 indoor units
- Detecting communication type automatically: Judge the communication type of the upper level controller according to communication type of the outdoor unit
- Supported communication type
  - Conventional communication outdoor unit
    ↔ New communication upper level controller
  - New communication outdoor unit
    ↔ Conventional communication upper level controller
- Net dimensions (W x H): 50 x 80mm

MTFC
(Multi Tenant Function Controller)

MCM-C210N



- The Multi Tenant Function Controller is an auxiliary power supply device that allows the indoor unit to turn off (close EEV) normally and maintain communication when the main power supply is cut.
- It is used in sites such as a hotel where individual power is supplied to the indoor unit.
- Net dimensions (W x H x D): 75 x 110mm

Operation Mode Selection Switch

MCM-C200



- Outdoor unit operation mode selection (Cooling, Heating or Auto)
- Mixed operation mode protection
- Net dimensions (W x H x D): 70 x 120 x 21mm

Wind-Free™ RAC communication PBA

MIM-A00*N

MIM-A00N (EU), MIM-A00UN (NA)

- A communication PBA between the Wind-Free™ RAC indoor unit and the new wired remote controller
- Connection to new wired remote controller
- Net dimensions (W x H): 58.5 x 40mm

Wind-Free™ RAC communication PBA

MIM-R10*N

MIM-R10N (EU), MIM-R10UN (NA)

- A communication PBA between the RAC outdoor unit and an upper layer controller, such as DMS2.5, BACnet G/W, LonWork G/W, and Touch Centralized Controller
- Net dimensions (W x H): 60.5 x 48.5mm

Receiver Kit

MRK-A10N



- Concealed wireless signal receiver
- Filter replacement sign
- Fan operation display
- Operation Timer setting display
- Operation On/Off button
- Operation On display LED (blue)
- Defrost operation display LED (red)
- Net dimensions (W x H x D): 80 x 130 x 28mm

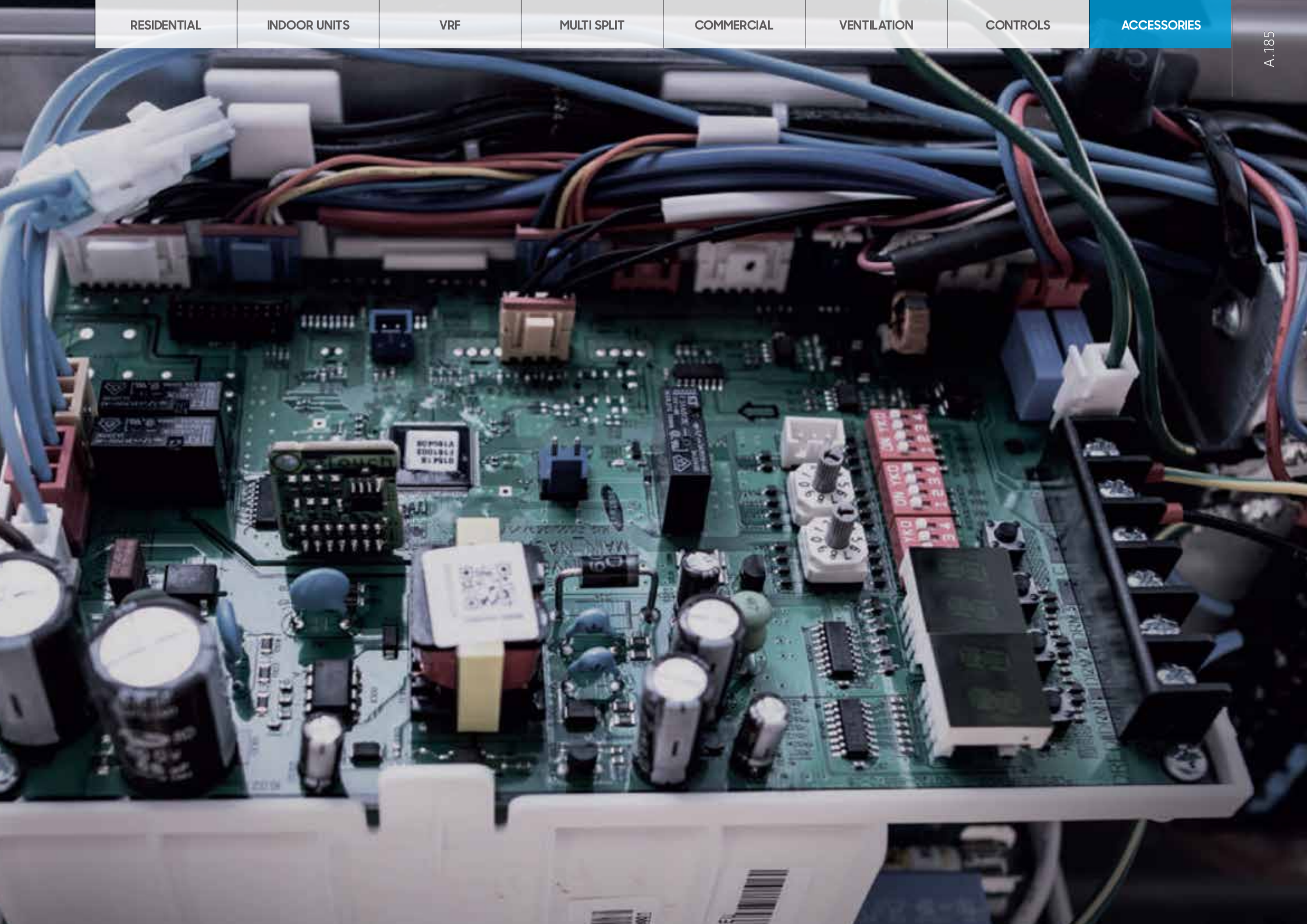

SAMSUNG

Accessories



Small things that makes big difference. Simply customize, optimize and service your systems.

Samsung's range of Climate System accessories can ensure that your air conditioning systems work much more efficiently and effectively – with functional and design upgrades, as well as system customization and expansions. And a choice of modular parts simplify the process of installation and servicing – making life much easier.



Accessories LINE-UP

Optional Equipment / Kit

Classification	Image	Model	Application
Drain Pump		MDP-E075SEE3D	Slim Duct (2.0 ~ 14.0kW)
		MDP-M075SGU1D	MSP Duct (9.0kW, 11.2kW)
		MDP-M075SGU2D	MSP Duct (12.8kW, 14.0kW) HSP Duct (11.2kW, 14.0kW)
		MDP-M075SGU3D	MSP Duct (5.6kW, 7.1kW)
		MDP-N047SNC0D	Fresh Air Intake Duct (14.0kW)
		MDP-N047SNC1D	HSP Duct (22.4kW, 28.0kW) Fresh Air Intake Duct (22.4kW, 28.0kW)
		-	Global Duct (External Type)
		-	Global Duct (External Type)
AHU Kit		MXD-K025AN	7.0 ~ 8.75kW AHU
		MXD-K050AN	14.0 ~ 17.5kW AHU
		MXD-K075AN	21.0 ~ 26.25kW AHU
		MXD-K100AN	28.0 ~ 35.0kW AHU
		MXD-A64K100E	AHU EEV Kit (10HP)
		MCM-D201N	Control Kit (PBA, 10 ~ 40HP)
Humidifier		MVO-VA050100	500CMH (ERV Plus)
		MVO-VA100100	1,000CMH (ERV Plus)
SPi Ionizer		MSD-CAN1	Big Ceiling
		MSD-EAN1	Duct S

Classification	Image	Model	Application
Motion Detect Sensor		MCR-SMA	4Way 600x600
		MCR-SMC	Wind-Free™ 4Way
		MCR-SMD	Wind-Free™ 4Way 600x600
Heat Recovery Changer		MCU-R4NEK0N	
		MCU-S6NEK3N	
MCU		MCU-S6NEK2N	6 Ports, Max. 61.6kW (~ 16kW / 1 Port)
		MCU-S4NEK3N	4 Ports, Max. 61.6kW (~ 16kW / 1 Port)
		MCU-S2NEK2N	2 Ports, Max. 32.0kW (~ 16kW / 1 Port)
		MCU-S1NEK1N	1 Port, Max. 61.6kW (~ 16kW / 1 Port)
EEV Kit		MXD-E24K132A	2 Indoor Units
		MXD-E24K200A	
		MXD-E32K200A	
		MXD-E24K232A	3 Indoor Units
		MXD-E24K300A	
		MXD-E32K224A	
		MXD-E32K300A	
		MEV-E24SA	1 Indoor Unit
		MEV-E32SA	
PDM (Pressure Drop Modulation) Kit		MXD-A38K2A	8 ~ 12HP
		MXD-A12K2A	14 ~ 16HP
		MXD-A58K2A	18 ~ 26HP
Distribution Header		MXJ-HA2512M	45.0kW and below (for 4 Rooms)
		MXJ-HA3115M	70.3kW and below (for 8 Rooms)
		MXJ-HA3819M	Over 70.3kW ~ 135.2kW and below (for 8 Rooms)

Accessories LINE-UP

Front Panels for Cassette type Indoor Units

Classification	Image	Model	Application
360 Cassette Front Panel		PC4NUDMAN	NASA, Square
		PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	NASA, Circle (Exposed installation)
		PC4NBNMAN	NASA, Circle (Exposed installation) - Black
Wind-Free™ 4Way Front Panel		PC4NUFMAN	Wind-Free™ 4Way
4Way Front Panel		PC4NUSKAN	4Way - Waffle
		PC4NUSKEN	4Way - Classic
		PC4NBSKAN	4Way - Black
Wind-Free™ 4Way 600x600 Front Panel		PC4SUFMAN	Wind-Free™ 4Way 600x600
Wind-Free™ 1Way Front Panel		PC1NWFMAN	Wind-Free™ 1Way
1Way Front Panel		PC1BWSMAN	1Way - New Air Fluid Design (1.7 ~ 2.2kW)
		PC1NUSMAN	Slim 1Way (2.2 ~ 3.5kW)
		PC1NUPMAN	Slim 1Way - Z-Sliding (2.2 ~ 3.5kW)
2Way Front Panel		PC2NUSMEN	2Way

Joints

Classification	Image	Model	Application
Y-Joint		MXJ-YA1509M	15.0kW and below
		MXJ-YA2512M	Over 15.0kW ~ 40.0kW and below
		MXJ-YA2812M	Over 40.0kW ~ 45.0kW and below
		MXJ-YA2815M	Over 45.0kW ~ 70.3kW and below
		MXJ-YA3419M	Over 70.3kW ~ 98.4kW and below
		MXJ-YA4119M	Over 98.4kW ~ 135.2kW and below
		MXJ-YA4422M	Over 135.2kW
Y-Joint (HR Only)		MXJ-YA1500M	22.4kW and below
		MXJ-YA2500M	Over 22.4kW ~ 70.3kW and below
		MXJ-YA3100M	Over 70.3kW ~ 135.2kW and below
		MXJ-YA3800M	Over 135.2kW
Y-Joint (Outdoor Unit)		MXJ-TA3419M	135.2kW and below
		MXJ-TA3819M	
		MXJ-TA4122M	140.2kW and below
		MXJ-TA4422M	
Y-Joint (HR Outdoor Unit)		MXJ-TA3100M	135.2kW and below
		MXJ-TA4122M	140.2kW and over

SAMSUNG

Air Conditioner

Appendix

Specifications
Dimensional Drawings

CONTENTS

VRF

1. Outdoor Unit

DVM S Combination Table
- Energy Saving B.006
- Space Saving B.007
- Cooling Only Combination B.008

DVM S
- Energy Saving B.009
- Space Saving B.015
- Cooling Only B.019

DVM S Eco
- Heat Pump B.029
- Cooling Only B.031
- Heat Recovery B.032

2. Indoor Unit

Cassette
- 360 Cassette B.033
- 4 Way B.035
- 4 Way 600 x 600 B.037
- 2 Way B.039
- 1 Way B.040

Ducted
- Slim Duct Pump Excluded B.042
- Slim Duct Pump Included B.044
- MSP Duct Pump Excluded B.047
- MSP Duct Pump Included B.050
- Duct S B.053
- HSP Duct B.054

Wall Mounted
- Wall Mounted WindFree B.055
- Wall Mounted S-Inverter B.057

Ceiling
- Convertible B.059

Floor Standing
- Console B.060
- Packaged B.062

Ventilation
- ERV Plus B.063
- ERV Standard B.064
- OAP Duct B.065

MULTI SPLIT

1. Outdoor Unit

- FJM B.067

2. Indoor Unit

FJM (Multi Split)
- Duct B.069
- 1Way Cassette B.070
- Wall Mounted S-Inverter B.071
- Wall Mounted WindFree B.073

COMMERCIAL

1. Heat Pump Inverter
- 360 Cassette B.077
- 4Way Cassette WindFree B.079
- Duct B.081
- Floor Standing B.083

2. Cooling Only Inverter
- 360 Cassette B.084
- 4Way Cassette WindFree B.086
- 1Way Cassette WindFree B.088
- Duct B.090

3. Cooling Only On/Off
- 4Way Cassette B.094
- Duct B.096

VRF

VRF COMBINATION TABLE

STANDARD COMBINATION (ENERGY SAVING)

System Model													
Module	Single	No. of Modules	Capactity of Single Unit (HP)										
			8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP	22 HP	24 HP	26 HP
8	AM080FXVAGH/TK	1	1									
10	AM100FXVAGH/TK	1		1								
12	AM120FXVAGH/TK	1			1							
14	AM140FXVAGH/TK	1				1						
16	AM160FXVAGH/TK	1					1					
18	AM180FXVAGH/TK	1						1				
20	AM200FXVAGH/TK	1							1			
22	AM220FXVAGH/TK	1								1		
24	AM240HXVAGH/TK	1									1	
26	AM260HXVAGH/TK	1										1
28	AM280HXVAGH1TK	1			1		1					
30	AM300HXVAGH1TK	2			1			1				
32	AM320HXVAGH1TK	2			1				1			
34	AM340HXVAGH1TK	2			1					1		
36	AM360HXVAGH1TK	2				1				1		
38	AM380HXVAGH1TK	2					1			1		
40	AM400HXVAGH1TK	2				1						1
42	AM420HXVAGH1TK	2							1	1		
44	AM440HXVAGH1TK	2								2		
46	AM460HXVAGH1TK	3			2					1		
48	AM480HXVAGH1TK	3			1	1				1		
50	AM500HXVAGH1TK	3			1		1			1		
52	AM520HXVAGH1TK	3			1			1		1		
54	AM540HXVAGH1TK	3			1				1	1		
56	AM560HXVAGH1TK	3			1					2		
58	AM580HXVAGH1TK	3				1				2		
60	AM600HXVAGH1TK	3					1			2		
62	AM620HXVAGH1TK	3						1		2		
64	AM640HXVAGH1TK	3							1	2		
66	AM660HXVAGH1TK	3								3		
68	AM680HXVAGH1TK	4			2					2		
70	AM700HXVAGH1TK	4			1	1				2		
72	AM720HXVAGH1TK	4			1		1			2		
74	AM740HXVAGH1TK	4			1			1		2		
76	AM760HXVAGH1TK	4			1				1	2		
78	AM780HXVAGH1TK	4			1					3		
80	AM800HXVAGH1TK	4				1				3		

VRF COMBINATION TABLE

COMPACT COMBINATION (SPACE SAVING)

System Model													
Module	Single	No. of Modules	Capactity of Single Unit (HP)										
			8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP	22 HP	24 HP	26 HP
8	AM080FXVAGH/TK	1	1									
10	AM100FXVAGH/TK	1		1								
12	AM120FXVAGH/TK	1			1							
14	AM140FXVAGH/TK	1				1						
16	AM160FXVAGH/TK	1					1					
18	AM180FXVAGH/TK	1						1				
20	AM200FXVAGH/TK	1							1			
22	AM220FXVAGH/TK	1								1		
24	AM240HXVAGH/TK	1									1	
26	AM260HXVAGH/TK	1										1
28	AM280HXVAGH1TK	1					1					
30	AM300HXVAGH1TK	2			1			1				
32	AM320HXVAGH1TK	2			1				1			
34	AM340HXVAGH1TK	2			1					1		
36	AM360HXVAGH2TK	2			1						1	
38	AM380HXVAGH2TK	2			1							1
40	AM400HXVAGH1TK	2				1						1
42	AM420HXVAGH1TK	2							1	1		
44	AM440HXVAGH1TK	2								2		
46	AM460HXVAGH2TK	2							1			1
48	AM480HXVAGH2TK	2								1		1
50	AM500HXVAGH2TK	2									1	1
52	AM520HXVAGH2TK	2										2
54	AM540HXVAGH1TK	3			1				1	1		
56	AM560HXVAGH1TK	3			1					2		
58	AM580HXVAGH2TK	3			1				1			1
60	AM600HXVAGH2TK	3			1					1		1
62	AM620HXVAGH2TK	3			1						1	1
64	AM640HXVAGH2TK	3			1							2
66	AM660HXVAGH1TK	3								3		
68	AM680HXVAGH2TK	3								2	1	
70	AM700HXVAGH2TK	3								2		1
72	AM720HXVAGH2TK	3								1	1	1
74	AM740HXVAGH2TK	3								1		2
76	AM760HXVAGH2TK	3									1	2
78	AM780HXVAGH2TK	3										3
80	AM800HXVAGH1TK	4				1				3		

VRF COMBINATION TABLE

COOLING ONLY COMBINATION

System Model														
Module	Single	No. of Modules	Capactity of Single Unit (HP)											
			8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP	22 HP	24 HP	26 HP	28 HP	30 HP
8	AM080MXVAGC/TS	1	1											
10	AM100MXVAGC/TS	1		1										
12	AM120MXVAGC/TS	1			1									
14	AM140MXVAGC/TS	1				1								
16	AM160MXVAGC/TS	1					1							
18	AM180MXVAGC/TS	1						1						
20	AM200MXVAGC/TS	1							1					
22	AM220MXVAGC/TS	1								1				
24	AM240MXVAGC/TS	1									1			
26	AM260MXVAGC/TS	1										1		
28	AM280MXVAGC/TS	1											1	
30	AM300MXVAGC/TS	1												1
32	AM320MXVAGC/TS	2		1						1				
34	AM340MXVAGC/TS	2			1					1				
36	AM360MXVAGC/TS	2				1				1				
38	AM380MXVAGC/TS	2					1			1				
40	AM400MXVAGC/TS	2						1		1				
42	AM420MXVAGC/TS	2							1	1				
44	AM440MXVAGC/TS	2								2				
46	AM460MXVAGC/TS	2					1							1
48	AM480MXVAGC/TS	2						1						1
50	AM500MXVAGC/TS	2							1					1
52	AM520MXVAGC/TS	2								1				1
54	AM540MXVAGC/TS	2									1			1
56	AM560MXVAGC/TS	2										1		1
58	AM580MXVAGC/TS	2											1	1
60	AM600MXVAGC/TS	2												2
62	AM620MXVAGC/TS	3		1						1				1
64	AM640MXVAGC/TS	3			1					1				1
66	AM660MXVAGC/TS	3				1				1				1
68	AM680MXVAGC/TS	3					1			1				1
70	AM700MXVAGC/TS	3						1		1				1
72	AM720MXVAGC/TS	3							1	1				1
74	AM740MXVAGC/TS	3								2				1
76	AM760MXVAGC/TS	3								1	1			1
78	AM780MXVAGC/TS	3								1		1		1
80	AM800MXVAGC/TS	3								1			1	1
82	AM820MXVAGC/TS	3								1				2
84	AM840MXVAGC/TS	3									1			2
86	AM860MXVAGC/TS	3										1		2
88	AM880MXVAGC/TS	3											1	2
90	AM900MXVAGC/TS	3												3

VRF SPECIFICATION



DVM S Energy Saving

Model Code		AM080FXVAGH/TK	AM100FXVAGH/TK	AM120FXVAGH/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	8.00	10.00	12.00
	Cooling [kW]	22.40	28.00	33.60
	Cooling [Btu/hr]	76,400	95,500	114,600
Power Input	Cooling [kW]	5.00	6.80	8.40
Current Input	Cooling [kW]	8.00	10.90	13.50
	MCA [A]	18.00 (MCA)	21.10 (MCA)	25.00 (MCA)
	MFA [A]	25.00	32.00	32.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.48	4.12	4.00
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
	Output [kW x n]	(4.96)	(6.39)	(6.39)
	Model Name	DS-GB052FAVASG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	400.0 x 1	400.0 x 1	400.0 x 1
	Air Flow Rate [CMM]	170	170	220
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	9.52	9.52	12.70
	Liquid Pipe [Φ, inch]	3/8"	3/8"	1/2"
	Gas Pipe [Φ, mm]	19.05	22.22	28.58
	Gas Pipe [Φ, inch]	3/4"	7/8"	1 1/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	57.0	58.0	62.0
	Sound Power [dB(A)]	77.0	79.0	81.0
External Dimension	Net Weight [kg]	184.5	184.5	184.5
	Shipping Weight [kg]	200.5	200.5	200.5
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832	948 x 1,887 x 832	948 x 1,887 x 832
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0



DVM S Energy Saving

Model Code		AM140FXVAGH/TK	AM160FXVAGH/TK	AM180FXVAGH/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	14.00	16.00	18.00
	Cooling [kW]	40.00	45.00	50.40
	Cooling [Btu/hr]	136,500	153,500	172,000
Power Input	Cooling [kW]	8.90	11.00	12.88
Current Input	Cooling [kW]	14.30	17.60	20.70
	MCA [A]	25.00 (MCA)	32.00 (MCA)	39.10 (MCA)
	MFA [A]	32.00	40.00	50.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.49	4.09	3.91
Compressor	Type	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2
	Output [kW x n]	(6.13)	(4.96x2)	(6.39x2)
	Model Name	DS-GB066FAVASG x 1	DS-GB052FAVASG x 2	DS-GB066FAVBSG x 2
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	620.0 x 2	620.0 x 2	620.0 x 2
	Air Flow Rate [CMM]	260	260	290
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	12.70	12.70	15.88
	Liquid Pipe [Φ, inch]	1/2"	1/2"	5/8"
	Gas Pipe [Φ, mm]	28.58	28.58	28.58
	Gas Pipe [Φ, inch]	1 1/8"	1 1/8"	1 1/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	61.0	63.0	64.0
	Sound Power [dB(A)]	81.0	83.0	86.0
External Dimension	Net Weight [kg]	233.0	276.0	298.0
	Shipping Weight [kg]	252.0	295.0	317.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD) [mm]	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

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* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7,5m, Level differences: 0m.
2) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (if level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

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DVM S Energy Saving

Model Code		AM200FXVAGH/TK	AM220FXVAGH/TK	AM240HXVAGH/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	20.00	22.00	24.00
	Cooling [kW]	56.00	61.60	67.20
	Cooling [Btu/hr]	191,100	210,200	229,300
Power Input	Cooling [kW]	15.19	17.35	17.10
Current Input	Cooling [kW]	24.40	27.80	26.83
	MCA [A]	42.50 (MCA)	44.50 (MCA)	60.50 (MCA)
	MFA [A]	63.00	63.00	75.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.69	3.55	3.93
Compressor	Type	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output [kW x n]	(6.13x2)	(6.39x2)	(6.39x2)
	Model Name	DS-GB066FAVASG x 2	DS-GB066FAVBSG x 2	DS-GB066FAVBSG x 2
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	620.0 x 2	620.0 x 2	620.0 x 2
	Air Flow Rate [CMM]	275	290	310
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	15.88	15.88	15.88
	Liquid Pipe [Φ, inch]	5/8"	5/8"	5/8"
	Gas Pipe [Φ, mm]	28.58	28.58	34.92
	Gas Pipe [Φ, inch]	1 1/8"	1 1/8"	1 3/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	65.0	66.0	67.0
	Sound Power [dB(A)]	87.0	89.0	91.0
External Dimension	Net Weight [kg]	298.0	298.0	356.0
	Shipping Weight [kg]	317.0	317.0	371.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD) [mm]	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0





DVM S Energy Saving

Model Code		AM260HXVAGH/TK	AM280HXVAGH1TK	AM300HXVAGH1TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	26.00	28.00	30.00
	Cooling [kW]	72.80	78.60	84.00
	Cooling [Btu/hr]	248,400	268,200	286,600
Power Input	Cooling [kW]	19.30	19.40	21.28
Current Input	Cooling [kW]	30.28	31.10	34.20
	MCA [A]	63.80 (MCA)	57.00 (MCA)	64.10 (MCA)
	MFA [A]	75.00	75.00	90.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.77	4.05	3.95
Compressor	Type	SSC Scroll x 2	SSC Scroll x 3	SSC Scroll x 3
	Output [kW x n]	(6.76x2)	(6.39) + (4.96x2)	(6.39) + (6.39x2)
	Model Name	DS-GB070FAVASG x 2	DS-GB066FAVBSG x 1 + DS-GB052FAVASG x 2	DS-GB066FAVBSG x 3
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	620.0 x 2	400.0 x 1 + 620.0 x 2	400.0 x 1 + 620.0 x 2
	Air Flow Rate [CMM]	310	220 + 255	220 + 290
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Φ, mm]	34.92	34.92	34.92
	Gas Pipe [Φ, inch]	1 3/8"	1 3/8"	1 3/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	67.0	66.0	66.0
	Sound Power [dB(A)]	91.0	85.0	87.0
External Dimension	Net Weight [kg]	356.0	184.5 + 276.0	184.5 + 298.0
	Shipping Weight [kg]	371.0	200.5 + 295.0	200.5 + 317.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD) [mm]	1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

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1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7,5m, Level differences: 0m.
2) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (if level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

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DVM S Energy Saving

Model Code		AM320HXVAGH1TK	AM340HXVAGH1TK	AM360HXVAGH1TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	32.00	34.00	36.00
	Cooling [kW]	89.60	95.20	101.60
	Cooling [Btu/hr]	305,700	324,800	346,700
Power Input	Cooling [kW]	23.59	25.75	26.25
Current Input	Cooling [kW]	37.90	41.30	42.10
	MCA [A]	67.50 (MCA)	69.50 (MCA)	69.50 (MCA)
	MFA [A]	90.00	90.00	90.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.80	3.70	3.87
Compressor	Type	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3
	Output [kW x n]	(6.39) + (6.39x2)	(6.39) + (6.39x2)	(6.39) + (6.39x2)
	Model Name	DS-GB066FAVBSG x 3	DS-GB066FAVBSG x 3	DS-GB066FAVBSG x 3
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	400.0 x 1 + 620.0 x 2	400.0 x 1 + 620.0 x 2	(620.0 x 2) x 2
	Air Flow Rate [CMM]	220 + 290	220 + 290	255 + 290
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Φ, mm]	34.92	34.92	41.28
	Gas Pipe [Φ, inch]	1 3/8"	1 3/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	67.0	67.0	67.0
	Sound Power [dB(A)]	88.0	90.0	90.0
External Dimension	Net Weight [kg]	184.5 + 298.0	184.5 + 298.0	233.0 + 298.0
	Shipping Weight [kg]	200.5 + 317.0	200.5 + 317.0	252.0 + 317.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0





DVM S Energy Saving

Model Code		AM380HXVAGH1TK	AM400HXVAGH1TK	AM420HXVAGH1TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	38.00	40.00	42.00
	Cooling [kW]	106.60	112.80	117.60
	Cooling [Btu/hr]	363,700	384,900	401,300
Power Input	Cooling [kW]	28.35	28.20	32.54
Current Input	Cooling [kW]	45.40	44.58	52.20
	MCA [A]	76.50 (MCA)	88.80 (MCA)	87.00 (MCA)
	MFA [A]	100.00	100.00	125.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.76	4.00	3.61
Compressor	Type	SSC Scroll x 4	SSC Scroll x 3	SSC Scroll x 4
	Output [kW x n]	(4.96x2) + (6.39x2)	(6.39) + (6.76x2)	(6.39x2) + (6.39x2)
	Model Name	DS-GB052FAVASG x 2 + DS- GB066FAVBSG x 2	DS-GB066FAVBSG x 1 + DS- GB070FAVASG x 2	DS-GB066FAVBSG x 4
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
	Air Flow Rate [CMM]	255 + 290	255 + 310	290 x 2
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Φ, mm]	41.28	41.28	41.28
	Gas Pipe [Φ, inch]	1 5/8"	1 5/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	68.0	68.0	69.0
	Sound Power [dB(A)]	90.0	91.0	91.0
External Dimension	Net Weight [kg]	276.0 + 298.0	233.0 + 356.0	298.0 x 2
	Shipping Weight [kg]	295.0 + 317.0	252.0 + 371.0	317.0 x 2
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

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1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7,5m, Level differences: 0m.
2) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (if level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

VRF SPECIFICATION





DVM S Energy Saving

Model Code		AM440HXVAGH1TK	AM460HXVAGH1TK	AM480HXVAGH1TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	44.00	46.00	48.00
	Cooling [kW]	123.20	128.80	135.20
	Cooling [Btu/hr]	420,400	439,500	461,300
Power Input	Cooling [kW]	34.70	34.15	34.65
Current Input	Cooling [kW]	55.60	54.80	55.60
	MCA [A]	89.00 (MCA)	94.50 (MCA)	94.50 (MCA)
	MFA [A]	125.00	125.00	125.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.55	3.77	3.90
Compressor	Type	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Output [kW x n]	(6.39x2)x2	(6.39)x2 + (6.39x2)	(6.39) + (6.39) + (6.39x2)
	Model Name	DS-GB066FAVBSG x 4	DS-GB066FAVBSG x 4	DS-GB066FAVBSG x 4
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 2	(400.0 x 1) x 2 + 620.0 x 2	400.0 x 1 + (620.0 x 2) x 2
	Air Flow Rate [CMM]	290 x 2	220 x 2 + 290	220 + 255 + 290
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Φ, mm]	41.28	41.28	41.28
	Gas Pipe [Φ, inch]	1 5/8"	1 5/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	69.0	69.0	68.0
	Sound Power [dB(A)]	92.0	90.0	90.0
External Dimension	Net Weight [kg]	298.0 x 2	184.5 x 2 + 298.0	184.5 + 233.0 + 298.0
	Shipping Weight [kg]	317.0 x 2	200.5 x 2 + 317.0	200.5 + 252.0 + 317.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 2 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 2 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0





DVM S Energy Saving

Model Code		AM500HXVAGH1TK	AM520HXVAGH1TK	AM540HXVAGH1TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	50.00	52.00	54.00
	Cooling [kW]	140.20	145.60	151.20
	Cooling [Btu/hr]	478,400	496,800	515,900
Power Input	Cooling [kW]	36.75	38.63	40.94
Current Input	Cooling [kW]	58.90	62.00	65.70
	MCA [A]	101.50 (MCA)	108.60 (MCA)	112.00 (MCA)
	MFA [A]	125.00	125.00	150.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.81	3.77	3.69
Compressor	Type	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5
	Output [kW x n]	(6.39) + (4.96x2) + (6.39x2)	(6.39) + (6.39x2) + (6.39x2)	(6.39) + (6.39x2) + (6.39x2)
	Model Name	DS-GB066FAVBSG x 3 + DS- GB052FAVASG x 2	DS-GB066FAVBSG x 5	DS-GB066FAVBSG x 5
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	400.0 x 1 + (620.0 x 2) x 2	400.0 x 1 + (620.0 x 2) x 2	400.0 x 1 + (620.0 x 2) x 2
	Air Flow Rate [CMM]	220 + 255 + 290	220 + 290 x 2	220 + 290 x 2
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Φ, mm]	41.28	41.28	41.28
	Gas Pipe [Φ, inch]	1 5/8"	1 5/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	69.0	69.0	69.0
	Sound Power [dB(A)]	90.0	91.0	92.0
External Dimension	Net Weight [kg]	184.5 + 276.0 + 298.0	184.5 + 298.0 x 2	184.5 + 298.0 x 2
	Shipping Weight [kg]	200.5 + 295.0 + 317.0	200.5 + 317.0 x 2	200.5 + 317.0 x 2
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

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* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7,5m, Level differences: 0m.
2) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (if level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

VRF SPECIFICATION





DVM S Energy Saving

Model Code		AM560HXVAGH1TK	AM580HXVAGH1TK	AM600HXVAGH1TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	56.00	58.00	60.00
	Cooling [kW]	156.80	163.20	168.20
	Cooling [Btu/hr]	535,000	556,900	573,900
Power Input	Cooling [kW]	43.10	43.60	45.70
Current Input	Cooling [kW]	69.10	69.90	73.20
	MCA [A]	114.00 (MCA)	114.00 (MCA)	121.00 (MCA)
	MFA [A]	150.00	150.00	150.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.64	3.74	3.68
Compressor	Type	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 6
	Output [kW x n]	(6.39) + (6.39x2)x2	(6.39) + (6.39x2)x2	(4.96x2) + (6.39x2)x2
	Model Name	DS-GB066FAVBSG x 5	DS-GB066FAVBSG x 5	DS-GB052FAVASG x 2 + DS-GB066FAVBSG x 4
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	400.0 x 1 + (620.0 x 2) x 2	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate [CMM]	220 + 290 x 2	255 + 290 x 2	255 + 290 x 2
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Φ, mm]	41.28	41.28	41.28
	Gas Pipe [Φ, inch]	1 5/8"	1 5/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	70.0	70.0	70.0
	Sound Power [dB(A)]	92.0	92.0	93.0
External Dimension	Net Weight [kg]	184.5 + 298.0 x 2	233.0 + 298.0 x 2	276.0 + 298.0 x 2
	Shipping Weight [kg]	200.5 + 317.0 x 2	252.0 + 317.0 x 2	295.0 + 317.0 x 2
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0



DVM S Energy Saving

Model Code		AM620HXVAGH1TK	AM640HXVAGH1TK	AM660HXVAGH1TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	62.00	64.00	66.00
	Cooling [kW]	173.60	179.20	184.80
	Cooling [Btu/hr]	592,300	611,500	630,600
Power Input	Cooling [kW]	47.58	49.89	52.05
Current Input	Cooling [kW]	76.30	80.00	83.40
	MCA [A]	128.10 (MCA)	131.50 (MCA)	133.50 (MCA)
	MFA [A]	200.00	200.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.65	3.59	3.55
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.39x2) + (6.39x2)x2	(6.39x2) + (6.39x2)x2	(6.39x2)x3
	Model Name	DS-GB066FAVBSG x 6	DS-GB066FAVBSG x 6	DS-GB066FAVBSG x 6
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate [CMM]	290 x 3	290 x 3	290 x 3
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	70.0	70.0	71.0
	Sound Power [dB(A)]	93.0	93.0	94.0
External Dimension	Net Weight [kg]	298.0 x 3	298.0 x 3	298.0 x 3
	Shipping Weight [kg]	317.0 x 3	317.0 x 3	317.0 x 3
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

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* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7,5m, Level differences: 0m.
2) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (if level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

VRF SPECIFICATION





DVM S Energy Saving

Model Code		AM680HXVAGH1TK	AM700HXVAGH1TK	AM720HXVAGH1TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	68.00	70.00	72.00
	Cooling [kW]	190.40	196.80	201.80
	Cooling [Btu/hr]	649,700	671,500	688,600
Power Input	Cooling [kW]	51.50	52.00	54.10
Current Input	Cooling [kW]	82.60	83.40	86.70
	MCA [A]	139.00 (MCA)	139.00 (MCA)	146.00 (MCA)
	MFA [A]	200.00	200.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.70	3.78	3.73
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 7
	Output [kW x n]	(6.39)x2 + (6.39x2)x2	(6.39) + (6.39) + (6.39x2)x2	(6.39) + (4.96x2) + (6.39x2)x2
	Model Name	DS-GB066FAVBSG x 6	DS-GB066FAVBSG x 6	DS-GB066FAVBSG x 5 + DS- GB052FAVASG x 2
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(400.0 x 1) x 2 + (620.0 x 2) x 2	400.0 x 1 + (620.0 x 2) x 3	400.0 x 1 + (620.0 x 2) x 3
	Air Flow Rate [CMM]	220 x 2 + 290 x 2	220 + 255 + 290 x 2	220 + 255 + 290 x 2
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	70.0	70.0	71.0
	Sound Power [dB(A)]	93.0	93.0	93.0
External Dimension	Net Weight [kg]	184.5 x 2 + 298.0 x 2	184.5 + 233.0 + 298.0 x 2	184.5 + 276.0 + 298.0 x 2
	Shipping Weight [kg]	200.5 x 2 + 317.0 x 2	200.5 + 252.0 + 317.0 x 2	200.5 + 295.0 + 317.0 x 2
	Net Dimensions (WxHxD) [mm]	(880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	(948 x 1,887 x 832) x 2 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0



DVM S Energy Saving

Model Code		AM740HXVAGH1TK	AM760HXVAGH1TK	AM780HXVAGH1TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	74.00	76.00	78.00
	Cooling [kW]	207.20	212.80	218.40
	Cooling [Btu/hr]	707,000	726,100	745,200
Power Input	Cooling [kW]	55.98	58.29	60.45
Current Input	Cooling [kW]	89.80	93.50	96.90
	MCA [A]	153.10 (MCA)	156.50 (MCA)	158.50 (MCA)
	MFA [A]	200.00	200.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.70	3.65	3.61
Compressor	Type	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7
	Output [kW x n]	(6.39) + (6.39x2) + (6.39x2)x2	(6.39) + (6.39x2) + (6.39x2)x2	(6.39) + (6.39x2)x3
	Model Name	DS-GB066FAVBSG x 7	DS-GB066FAVBSG x 7	DS-GB066FAVBSG x 7
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	400.0 x 1 + (620.0 x 2) x 3	400.0 x 1 + (620.0 x 2) x 3	400.0 x 1 + (620.0 x 2) x 3
	Air Flow Rate [CMM]	220 + 290 x 3	220 + 290 x 3	220 + 290 x 3
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	71.0	71.0	71.0
	Sound Power [dB(A)]	93.0	93.0	94.0
External Dimension	Net Weight [kg]	184.5 + 298.0 x 3	184.5 + 298.0 x 3	184.5 + 298.0 x 3
	Shipping Weight [kg]	200.5 + 317.0 x 3	200.5 + 317.0 x 3	200.5 + 317.0 x 3
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

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* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7,5m, Level differences: 0m.
2) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (if level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

VRF SPECIFICATION



DVM S Energy Saving

Model Code		AM800HXVAGH1TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50
Capacity	HP	80.00
	Cooling [kW]	224.80
	Cooling [Btu/hr]	767,000
Power Input	Cooling [kW]	60.95
Current Input	Cooling [kW]	97.70
	MCA [A]	158.50 (MCA)
	MFA [A]	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.69
Compressor	Type	SSC Scroll x 7
	Output [kW x n]	(6.39) + (6.39x2)x3
	Model Name	DS-GB066FAVBSG x 7
Fan	Type	Propeller
	Output x n [W]	(620.0 x 2) x 4
	Air Flow Rate [CMM]	255 + 290 x 3
	External Static Pressure [mmAq]	8.00
	External Static Pressure [Pa]	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22
	Liquid Pipe [Φ, inch]	7/8"
	Gas Pipe [Φ, mm]	53.98
	Gas Pipe [Φ, inch]	2 1/8"
	Installation Limitation [Max Length] [m]	200
	Installation Limitation [Max Height] [m]	110.0
Sound	Sound Pressure [dB(A)]	71.0
	Sound Power [dB(A)]	94.0
External Dimension	Net Weight [kg]	233.0 + 298.0 x 3
	Shipping Weight [kg]	252.0 + 317.0 x 3
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 4
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0



DVM S Energy Saving

Model Code		AM360HXVAGH2TK	AM380HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50
Capacity	HP	36.00	38.00
	Cooling [kW]	100.80	106.40
	Cooling [Btu/hr]	343,900	363,100
Power Input	Cooling [kW]	25.50	27.70
Current Input	Cooling [kW]	40.33	43.78
	MCA [A]	80.00 (MCA)	83.00 (MCA)
	MFA [A]	90.00	100.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.95	3.84
Compressor	Type	SSC Scroll x 3	SSC Scroll x 3
	Output [kW x n]	(6.39) + (6.39x2)	(6.39) + (6.76x2)
	Model Name	DS-GB066FAVBSG x 3	DS-GB066FAVBSG x 1 + DS-GB070FAVASG x 2
Fan	Type	Propeller	Propeller
	Output x n [W]	400.0 x 1 + 620.0 x 2	400.0 x 1 + 620.0 x 2
	Air Flow Rate [CMM]	220 + 310	220 + 310
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"
	Gas Pipe [Φ, mm]	41.28	41.28
	Gas Pipe [Φ, inch]	1 5/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0
Sound	Sound Pressure [dB(A)]	68.0	68.0
	Sound Power [dB(A)]	91.0	91.0
External Dimension	Net Weight [kg]	184.5 + 356.0	184.5 + 356.0
	Shipping Weight [kg]	200.5 + 371.0	200.5 + 371.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0	-5.0 ~ 48.0

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* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7,5m, Level differences: 0m.
2) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (if level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

VRF SPECIFICATION



DVM S Space Saving

Model Code		AM460HXVAGH2TK	AM480HXVAGH2TK	AM500HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	46.00	48.00	50.00
	Cooling [kW]	128.80	134.40	140.00
	Cooling [Btu/hr]	439,500	458,600	477,700
Power Input	Cooling [kW]	34.49	36.65	36.40
Current Input	Cooling [kW]	54.68	58.08	57.11
	MCA [A]	100.50 (MCA)	102.50 (MCA)	113.00 (MCA)
	MFA [A]	125.00	125.00	125.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.73	3.67	3.85
Compressor	Type	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Output [kW x n]	(6.39x2) + (6.76x2)	(6.39x2) + (6.76x2)	(6.39x2) + (6.76x2)
	Model Name	DS-GB066FAVBSG x 2 + DS- GB070FAVASG x 2	DS-GB066FAVBSG x 2 + DS- GB070FAVASG x 2	DS-GB066FAVBSG x 2 + DS-GB070FAVASG x 2
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
	Air Flow Rate [CMM]	290 + 310	290 + 310	310 x 2
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Φ, mm]	41.28	41.28	41.28
	Gas Pipe [Φ, inch]	1 5/8"	1 5/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	69.0	70.0	70.0
	Sound Power [dB(A)]	92.0	93.0	93.0
External Dimension	Net Weight [kg]	298.0 + 356.0	298.0 + 356.0	356.0 x 2
	Shipping Weight [kg]	317.0 + 371.0	317.0 + 371.0	371.0 x 2
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0





DVM S Space Saving

Model Code		AM520HXVAGH2TK	AM580HXVAGH2TK	AM600HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	52.00	58.00	60.00
	Cooling [kW]	145.60	162.40	168.00
	Cooling [Btu/hr]	496,800	554,100	573,200
Power Input	Cooling [kW]	38.60	42.89	45.05
Current Input	Cooling [kW]	60.56	68.18	71.58
	MCA [A]	116.00 (MCA)	125.50 (MCA)	127.50 (MCA)
	MFA [A]	150.00	150.00	150.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.77	3.79	3.73
Compressor	Type	SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 5
	Output [kW x n]	(6.76x2)x2	(6.39) + (6.39x2) + (6.76x2)	(6.39) + (6.39x2) + (6.76x2)
	Model Name	DS-GB070FAVASG x 4	DS-GB066FAVBSG x 3 + DS-GB070FAVASG x 2	DS-GB066FAVBSG x 3 + DS-GB070FAVASG x 2
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 2	400.0 x 1 + (620.0 x 2) x 2	400.0 x 1 + (620.0 x 2) x 2
	Air Flow Rate [CMM]	310 x 2	220 + 290 + 310	220 + 290 + 310
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Φ, mm]	41.28	41.28	41.28
	Gas Pipe [Φ, inch]	1 5/8"	1 5/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	70.0	70.0	70.0
	Sound Power [dB(A)]	93.0	93.0	93.0
External Dimension	Net Weight [kg]	356.0 x 2	184.5 + 298.0 + 356.0	184.5 + 298.0 + 356.0
	Shipping Weight [kg]	371.0 x 2	200.5 + 317.0 + 371.0	200.5 + 317.0 + 371.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

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* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7,5m, Level differences: 0m.
2) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (if level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

VRF SPECIFICATION





DVM S Space Saving

Model Code		AM620HXVAGH2TK	AM640HXVAGH2TK	AM680HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	62.00	64.00	68.00
	Cooling [kW]	173.60	179.20	190.40
	Cooling [Btu/hr]	592,300	611,500	649,700
Power Input	Cooling [kW]	44.80	47.00	51.80
Current Input	Cooling [kW]	70.61	74.06	82.43
	MCA [A]	138.00 (MCA)	141.00 (MCA)	144.00 (MCA)
	MFA [A]	175.00	175.00	175.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.88	3.81	3.68
Compressor	Type	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 6
	Output [kW x n]	(6.39) + (6.39x2) + (6.76x2)	(6.39) + (6.76x2)x2	(6.39x2)x2 + (6.39x2)
	Model Name	DS-GB066FAVBSG x 3 + DS-GB070FAVASG x 2	DS-GB066FAVBSG x 1 + DS-GB070FAVASG x 4	DS-GB066FAVBSG x 6
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	400.0 x 1 + (620.0 x 2) x 2	400.0 x 1 + (620.0 x 2) x 2	(620.0 x 2) x 3
	Air Flow Rate [CMM]	220 + 310 x 2	220 + 310 x 2	290 x 2 + 310
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	71.0	71.0	71.0
	Sound Power [dB(A)]	94.0	94.0	95.0
External Dimension	Net Weight [kg]	184.5 + 356.0 x 2	184.5 + 356.0 x 2	298.0 x 2 + 356.0
	Shipping Weight [kg]	200.5 + 371.0 x 2	200.5 + 371.0 x 2	317.0 x 2 + 371.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0



DVM S Space Saving

Model Code		AM700HXVAGH2TK	AM720HXVAGH2TK	AM740HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	70.00	72.00	74.00
	Cooling [kW]	196.00	201.60	207.20
	Cooling [Btu/hr]	668,800	687,900	707,000
Power Input	Cooling [kW]	54.00	53.75	55.95
Current Input	Cooling [kW]	85.88	84.91	88.36
	MCA [A]	147.00 (MCA)	157.50 (MCA)	160.50 (MCA)
	MFA [A]	175.00	175.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.63	3.75	3.70
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.39x2)x2 + (6.76x2)	(6.39x2) + (6.39x2) + (6.76x2)	(6.39x2) + (6.76x2)x2
	Model Name	DS-GB066FAVBSG x 4 + DS-GB070FAVASG x 2	DS-GB066FAVBSG x 4 + DS- GB070FAVASG x 2	DS-GB066FAVBSG x 2 + DS-GB070FAVASG x 4
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate [CMM]	290 x 2 + 310	290 + 310 x 2	290 + 310 x 2
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	71.0	71.0	71.0
	Sound Power [dB(A)]	95.0	95.0	95.0
External Dimension	Net Weight [kg]	298.0 x 2 + 356.0	298.0 + 356.0 x 2	298.0 + 356.0 x 2
	Shipping Weight [kg]	317.0 x 2 + 371.0	317.0 + 371.0 x 2	317.0 + 371.0 x 2
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

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* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7,5m, Level differences: 0m.
2) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (if level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

VRF SPECIFICATION



DVM S Space Saving

Model Code		AM760HXVAGH2TK	AM780HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50
Capacity	HP	76.00	78.00
	Cooling [kW]	212.80	218.40
	Cooling [Btu/hr]	726,100	745,200
Power Input	Cooling [kW]	55.70	57.90
Current Input	Cooling [kW]	87.39	90.84
	MCA [A]	171.00 (MCA)	174.00 (MCA)
	MFA [A]	200.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.82	3.77
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.39x2) + (6.76x2)x2	(6.76x2)x3
	Model Name	DS-GB066FAVBSG x 2 + DS-GB070FAVASG x 4	DS-GB070FAVASG x 6
Fan	Type	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate [CMM]	310 x 3	310 x 3
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0
Sound	Sound Pressure [dB(A)]	72.0	72.0
	Sound Power [dB(A)]	96.0	96.0
External Dimension	Net Weight [kg]	356.0 x 3	356.0 x 3
	Shipping Weight [kg]	371.0 x 3	371.0 x 3
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0

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* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7,5m, Level differences: 0m.
2) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (if level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

VRF | Outdoor Unit SPECIFICATIONS



DVM S › Cooling Only ODU

Model Code		AM080MXVAGC/TS	AM100MXVAGC/TS	AM120MXVAGC/TS
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	8.00	10.00	12.00
	Cooling [kW]	22.40	28.00	33.60
	Cooling [Btu/hr]	76,400	95,500	114,600
Power Input	Cooling [kW]	4.98	6.36	8.62
Current Input	Cooling [kW]	8.00	10.20	13.80
	MCA [A]	18.00 (MCA)	22.80 (MCA)	25.00 (MCA)
	MFA [A]	25.00	32.00	32.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.50	4.40	3.90
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
	Output [kW x n]	(5.18)	(5.18)	(6.39)
	Model Name	DS-GB052FAVB x 1	DS-GB052FAVB x 1	DS-GB066FAVB x 1
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	830.0 x 1	830.0 x 1	830.0 x 1
	Air Flow Rate [CMM]	170	170	220
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	9.52	9.52	12.70
	Liquid Pipe [Φ, inch]	3/8"	3/8"	1/2"
	Gas Pipe [Φ, mm]	19.05	22.22	28.58
	Gas Pipe [Φ, inch]	3/4"	7/8"	1 1/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	57.0	61.0	62.0
	Sound Power [dB(A)]	77.0	80.0	81.0
External Dimension	Net Weight [kg]	185.0	185.0	190.0
	Shipping Weight [kg]	197.0	197.0	202.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832	948 x 1,887 x 832	948 x 1,887 x 832
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0





AM140MXVAGC/TS	AM160MXVAGC/TS	AM180MXVAGC/TS	AM200MXVAGC/TS	AM220MXVAGC/TS	AM240MXVAGC/TS
3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
14.00	16.00	18.00	20.00	22.00	24.00
40.00	45.00	50.40	56.00	61.60	67.20
136,500	153,500	172,000	191,100	210,200	229,300
10.08	12.10	14.20	16.62	19.68	17.87
16.20	19.40	22.80	26.60	31.60	28.70
25.00 (MCA)	32.00 (MCA)	39.10 (MCA)	42.00 (MCA)	44.50 (MCA)	44.50 (MCA)
32.00	40.00	50.00	63.00	63.00	63.00
3.97	3.72	3.55	3.37	3.13	3.76
SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
(6.39)	(7.81)	(7.81)	(5.18x2)	(5.18x2)	(6.39x2)
DS-GB066FAVB x 1	DS4GJ5080FVA x 1	DS4GJ5080FVA x 1	DS-GB052FAVB x 2	DS-GB052FAVB x 2	DS-GB066FAVB x 2
Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2
255	255	290	290	290	320
8.00	8.00	8.00	8.00	8.00	8.00
78.45	78.45	78.45	78.45	78.45	78.45
12.70	12.70	15.88	15.88	15.88	15.88
1/2"	1/2"	5/8"	5/8"	5/8"	5/8"
28.58	28.58	28.58	28.58	28.58	34.92
1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"
200	200	200	200	200	200
110.0	110.0	110.0	110.0	110.0	110.0
61.0	63.0	64.0	65.0	65.0	67.0
81.0	83.0	84.0	87.0	89.0	89.0
225.0	252.0	252.0	280.0	280.0	322.0
244.0	271.0	271.0	299.0	299.0	344.0
1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,795 x 765
1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,987 x 832
-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

VRF | Outdoor Unit SPECIFICATIONS



DVM S › Cooling Only ODU

Model Code		AM260MXVAGC/TS	AM280MXVAGC/TS	AM300MXVAGC/TS
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	26.00	28.00	30.00
	Cooling [kW]	72.80	78.60	84.00
	Cooling [Btu/hr]	248,400	268,200	286,600
Power Input	Cooling [kW]	21.41	23.39	26.33
Current Input	Cooling [kW]	34.30	37.50	42.20
	MCA [A]	60.00 (MCA)	65.00 (MCA)	65.00 (MCA)
	MFA [A]	75.00	75.00	75.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.40	3.36	3.19
Compressor	Type	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output [kW x n]	(6.39x2)	(6.76x2)	(7.81x2)
	Model Name	DS-GB066FAVB x 2	DS-GB070FAVA x 2	DS4GJ5080FVA x 2
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	620.0 x 2	620.0 x 2	620.0 x 2
	Air Flow Rate [CMM]	320	340	340
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Φ, mm]	34.92	34.92	34.92
	Gas Pipe [Φ, inch]	1 3/8"	1 3/8"	1 3/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	67.0	69.0	69.0
	Sound Power [dB(A)]	89.0	90.0	90.0
External Dimension	Net Weight [kg]	330.0	335.0	342.0
	Shipping Weight [kg]	352.0	357.0	364.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD) [mm]	1,363 x 1,987 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0



AM320MXVAGC/TS	AM340MXVAGC/TS	AM360MXVAGC/TS	AM380MXVAGC/TS	AM400MXVAGC/TS	AM420MXVAGC/TS
3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
32.00	34.00	36.00	38.00	40.00	42.00
89.60	95.20	101.60	106.60	112.00	117.60
305,700	324,800	346,700	363,700	382,200	401,300
26.04	28.30	29.76	31.78	33.88	36.30
41.80	45.40	47.80	51.00	54.40	58.20
67.30 (MCA)	69.50 (MCA)	69.50 (MCA)	76.50 (MCA)	83.60 (MCA)	86.50 (MCA)
75.00	80.00	80.00	90.00	100.00	100.00
3.44	3.36	3.41	3.35	3.31	3.24
SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4
(5.18) + (5.18x2)	(6.39) + (5.18x2)	(6.39) + (5.18x2)	(7.81) + (5.18x2)	(7.81) + (5.18x2)	(5.18x2) + (5.18x2)
DS-GB052FAVB x 3	DS-GB066FAVB x 1 + DS-GB052FAVB x 2	DS-GB066FAVB x 1 + DS-GB052FAVB x 2	DS4GJ5080FVA x 1 + DS-GB052FAVB x 2	DS4GJ5080FVA x 1 + DS-GB052FAVB x 2	DS-GB052FAVB x 4
Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
830.0 x 1 + 620.0 x 2	830.0 x 1 + 620.0 x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
170 + 290	220 + 290	255 + 290	255 + 290	290 x 2	290 x 2
8.00	8.00	8.00	8.00	8.00	8.00
78.45	78.45	78.45	78.45	78.45	78.45
19.05	19.05	19.05	19.05	19.05	19.05
3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
34.92	34.92	41.28	41.28	41.28	41.28
1 3/8"	1 3/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"
200	200	200	200	200	200
110.0	110.0	110.0	110.0	110.0	110.0
66.0	67.0	66.0	67.0	68.0	68.0
89.0	90.0	90.0	90.0	90.0	91.0
185.0 + 280.0	190.0 + 280.0	225.0 + 280.0	252.0 + 280.0	252.0 + 280.0	280.0 x 2
197.0 + 299.0	202.0 + 299.0	244.0 + 299.0	271.0 + 299.0	271.0 + 299.0	299.0 x 2
880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2
-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

VRF | Outdoor Unit SPECIFICATIONS



DVM S > Cooling Only ODU

Model Code		AM440MXVAGC/TS	AM460MXVAGC/TS	AM480MXVAGC/TS
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	44.00	46.00	48.00
	Cooling [kW]	123.20	129.00	134.40
	Cooling [Btu/hr]	420,400	440,200	458,600
Power Input	Cooling [kW]	39.36	38.43	40.53
Current Input	Cooling [kW]	63.20	61.60	65.00
	MCA [A]	89.00 (MCA)	97.00 (MCA)	104.10 (MCA)
	MFA [A]	100.00	125.00	125.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.13	3.36	3.32
Compressor	Type	SSC Scroll x 4	SSC Scroll x 3	SSC Scroll x 3
	Output [kW x n]	(5.18x2)x2	(7.81) + (7.81x2)	(7.81) + (7.81x2)
	Model Name	DS-GB052FAVB x 4	DS4GJ5080FVA x 3	DS4GJ5080FVA x 3
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
	Air Flow Rate [CMM]	290 x 2	255 + 340	290 + 340
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Φ, mm]	41.28	41.28	41.28
	Gas Pipe [Φ, inch]	1 5/8"	1 5/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	68.0	70.0	70.0
	Sound Power [dB(A)]	92.0	91.0	91.0
External Dimension	Net Weight [kg]	280.0 x 2	252.0 + 342.0	252.0 + 342.0
	Shipping Weight [kg]	299.0 x 2	271.0 + 364.0	271.0 + 364.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0





AM500MXVAGC/TS	AM520MXVAGC/TS	AM540MXVAGC/TS	AM560MXVAGC/TS	AM580MXVAGC/TS	AM600MXVAGC/TS
3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
50.00	52.00	54.00	56.00	58.00	60.00
140.00	145.60	151.20	156.80	162.60	168.00
477,700	496,800	515,900	535,000	554,800	573,200
42.95	46.01	44.20	47.74	49.72	52.66
68.80	73.80	70.90	76.50	79.70	84.40
107.00 (MCA)	109.50 (MCA)	109.50 (MCA)	125.00 (MCA)	130.00 (MCA)	130.00 (MCA)
125.00	125.00	125.00	150.00	150.00	150.00
3.26	3.16	3.42	3.28	3.27	3.19
SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
(5.18x2) + (7.81x2)	(5.18x2) + (7.81x2)	(6.39x2) + (7.81x2)	(6.39x2) + (7.81x2)	(6.76x2) + (7.81x2)	(7.81x2)x2
DS-GB052FAVB x 2 + DS4GJ5080FVA x 2	DS-GB052FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS4GJ5080FVA x 4
Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
290 + 340	290 + 340	320 + 340	320 + 340	340 x 2	340 x 2
8.00	8.00	8.00	8.00	8.00	8.00
78.45	78.45	78.45	78.45	78.45	78.45
19.05	19.05	19.05	19.05	19.05	19.05
3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
41.28	41.28	41.28	41.28	41.28	41.28
1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"
200	200	200	200	200	200
110.0	110.0	110.0	110.0	110.0	110.0
70.0	70.0	71.0	71.0	72.0	72.0
92.0	93.0	93.0	93.0	93.0	93.0
280.0 + 342.0	280.0 + 342.0	322.0 + 342.0	330.0 + 342.0	335.0 + 342.0	342.0 x 2
299.0 + 364.0	299.0 + 364.0	344.0 + 364.0	352.0 + 364.0	357.0 + 364.0	364.0 x 2
1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2
1,363 x 1,887 x 832 + 1,363 x1,987 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2
-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

VRF | Outdoor Unit SPECIFICATIONS



DVM S › Cooling Only ODU

Model Code		AM620MXVAGC/TS	AM640MXVAGC/TS	AM660MXVAGC/TS
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	62.00	64.00	66.00
	Cooling [kW]	173.60	179.20	185.60
	Cooling [Btu/hr]	592,300	611,500	633,300
Power Input	Cooling [kW]	52.37	54.63	56.09
Current Input	Cooling [kW]	84.00	87.60	90.00
	MCA [A]	132.30 (MCA)	134.50 (MCA)	134.50 (MCA)
	MFA [A]	150.00	150.00	150.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.31	3.28	3.31
Compressor	Type	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5
	Output [kW x n]	(5.18) + (5.18x2) + (7.81x2)	(6.39) + (5.18x2) + (7.81x2)	(6.39) + (5.18x2) + (7.81x2)
	Model Name	DS-GB052FAVB x 3 + DS4GJ5080FVA x 2	DS-GB066FAVB x 1 + DS-GB052FAVB x 2 +	DS-GB066FAVB x 1 + DS-GB052FAVB x 2 +
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	830.0 x 1 + (620.0 x 2) x 2	830.0 x 1 + (620.0 x 2) x 2	(620.0 x 2) x 3
	Air Flow Rate [CMM]	170 + 290 + 340	220 + 290 + 340	255 + 290 + 340
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	71.0	71.0	71.0
	Sound Power [dB(A)]	93.0	93.0	93.0
External Dimension	Net Weight [kg]	185.0 + 280.0 + 342.0	190.0 + 280.0 + 342.0	225.0 + 280.0 + 342.0
	Shipping Weight [kg]	197.0 + 299.0 + 364.0	202.0 + 299.0 + 364.0	244.0 + 299.0 + 364.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + 1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + 1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0





AM680MXVAGC/TS	AM700MXVAGC/TS	AM720MXVAGC/TS	AM740MXVAGC/TS	AM760MXVAGC/TS	AM780MXVAGC/TS
3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
68.00	70.00	72.00	74.00	76.00	78.00
190.60	196.00	201.60	207.20	212.80	218.40
650,400	668,800	687,900	707,000	726,100	745,200
58.11	60.21	62.63	65.69	63.88	67.42
93.20	96.60	100.40	105.40	102.50	108.10
141.50 (MCA)	148.60 (MCA)	151.50 (MCA)	154.00 (MCA)	154.00 (MCA)	169.50 (MCA)
175.00	175.00	175.00	175.00	175.00	200.00
3.28	3.26	3.22	3.15	3.33	3.24
SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
(7.81) + (5.18x2) + (7.81x2)	(7.81) + (5.18x2) + (7.81x2)	(5.18x2) + (5.18x2) +(7.81x2)	(5.18x2)x2 + (7.81x2)	(5.18x2) + (6.39x2) + (7.81x2)	(5.18x2) + (6.39x2) + (7.81x2)
DS4GJ5080FVA x 3 + DS-GB052FAVB x 2	DS4GJ5080FVA x 3 + DS-GB052FAVB x 2	DS-GB052FAVB x 4 + DS4GJ5080FVA x 2	DS-GB052FAVB x 4 + DS4GJ5080FVA x 2	DS-GB052FAVB x 2 + DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB052FAVB x 2 + DS-GB066FAVB x 2 + DS4GJ5080FVA x 2
Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
255 + 290 + 340	290 x 2 + 340	290 x 2 + 340	290 x 2 + 340	290 + 320 + 340	290 + 320 + 340
8.00	8.00	8.00	8.00	8.00	8.00
78.45	78.45	78.45	78.45	78.45	78.45
22.22	22.22	22.22	22.22	22.22	22.22
7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
53.98	53.98	53.98	53.98	53.98	53.98
21/8"	21/8"	21/8"	21/8"	21/8"	21/8"
200	200	200	200	200	200
110.0	110.0	110.0	110.0	110.0	110.0
71.0	71.0	72.0	72.0	72.0	72.0
93.0	93.0	94.0	94.0	94.0	94.0
252.0 + 280.0 + 342.0	252.0 + 280.0 + 342.0	280.0 x 2 + 342.0	280.0 x 2 + 342.0	280.0 + 322.0 + 342.0	280.0 + 330.0 + 342.0
271.0 + 299.0 + 364.0	271.0 + 299.0 + 364.0	299.0 x 2 + 364.0	299.0 x 2 + 364.0	299.0 + 344.0 + 364.0	299.0 + 352.0 + 364.0
(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2
(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + (1,363 x 1,987 x (1,363 x 1,987 x 832) x 2	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2
-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

VRF | Outdoor Unit SPECIFICATIONS



DVM S > Cooling Only ODU

Model Code		AM800MXVAGC/TS	AM820MXVAGC/TS	AM840MXVAGC/TS
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	80.00	82.00	84.00
	Cooling [kW]	224.20	229.60	235.20
	Cooling [Btu/hr]	765,000	783,400	802,500
Power Input	Cooling [kW]	69.40	72.34	70.53
Current Input	Cooling [kW]	111.30	116.00	113.10
	MCA [A]	174.50 (MCA)	174.50 (MCA)	174.50 (MCA)
	MFA [A]	200.00	200.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.23	3.17	3.33
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(5.18x2) + (6.76x2) + (7.81x2)	(5.18x2) + (7.81x2)x2	(6.39x2) + (7.81x2)x2
	Model Name	DS-GB052FAVB x 2 + DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS-GB052FAVB x 2 + DS4GJ5080FVA x 4	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate [CMM]	290 + 340 x 2	290 + 340 x 2	320 + 340 x 2
	External Static Pressure [mmAq]	8.00	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98	53.98
	Gas Pipe [Φ, inch]	21/8"	21/8"	21/8"
	Installation Limitation [Max Length] [m]	200	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0	110.0
Sound	Sound Pressure [dB(A)]	73.0	73.0	73.0
	Sound Power [dB(A)]	94.0	94.0	94.0
External Dimension	Net Weight [kg]	280.0 + 335.0 + 342.0	280.0 + 342.0 x 2	322.0 + 342.0 x 2
	Shipping Weight [kg]	299.0 + 357.0 + 364.0	299.0 + 364.0 x 2	344.0 + 364.0 x 2
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 3
Operating Temp. Range	Cooling [℃]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0



AM860MXVAGC/TS	AM880MXVAGC/TS	AM900MXVAGC/TS
3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
86.00	88.00	90.00
240.80	246.60	252.00
821,600	841,400	859,900
74.07	76.05	78.99
118.70	121.90	126.60
190.00 (MCA)	195.00 (MCA)	195.00 (MCA)
225.00	225.00	225.00
3.25	3.24	3.19
SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
(6.39x2) + (7.81x2)x2	(6.76x2) + (7.81x2)x2	(7.81x2)x3
DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB070FAVA x 2 +DS4GJ5080FVA x 4	DS4GJ5080FVA x 6
Propeller	Propeller	Propeller
(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
320 + 340 x 2	340 x 3	340 x 3
8.00	8.00	8.00
78.45	78.45	78.45
22.22	22.22	22.22
7/8"	7/8"	7/8"
53.98	53.98	53.98
2 1/8"	2 1/8"	2 1/8"
200	200	200
110.0	110.0	110.0
73.0	74.0	74.0
94.0	95.0	95.0
330.0 + 342.0 x 2	335.0 + 342.0 x 2	342.0 x 3
352.0 + 364.0 x 2	357.0 + 364.0 x 2	364.0 x 3
(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3
(1,363 x 1,987 x 832) x 3	(1,363 x 1,987 x 832) x 3	(1,363 x 1,987 x 832) x 3
-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

VRF | Outdoor Unit SPECIFICATIONS

DVM S Eco › Heat Pump

Model Code			AM040KXMDEH/TK	AM050KXMDEH/TK	AM080MXMDGH/TK	AM080FXMDGH/TK
Features	Type		DVM S ECO	DVM S ECO	DVM S Eco(NEW)	DVM S Eco(NEW)
Model Name	Outdoor Unit		AM040KXMDEH/EU	AM050KXMDEH/EU	AM080MXMDGH/EU	AM080FXMDGH/EU
Power Supply (Outdoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50	3,4,380-415,50
System	Mode		HP	HP	HP	HP
Performance (nominal)		HP	4	5	8	8
Capacity	Cooling	kW	12.1	14.0	22.4	22.4
	Cooling	Btu/h	N/A	N/A	N/A	N/A
	Heating	kW	12.1	14.0	22.4	25.0
	Heating	Btu/h	N/A	N/A	N/A	N/A
Power Input (Nominal)	Cooling	kW	3.60	4.00	6.90	5.72
	Heating	kW	2.90	3.40	5.80	4.88
Current Input (Nominal)	Cooling	A	17.5	19.5	11.7	9.66
	Heating	A	14.0	16.5	9.5	8.24
Power	MCA	A	24.0	27.0	18.4	18.00
	MFA	A	32.0	40.0	25.0	25.00
Energy Efficiency	EER (Nominal Cooling)	W/W	3.4	3.5	3.2	3.9
	COP (Nominal Heating)	W/W	4.2	4.1	3.9	5.1
	Energy Grade of Space Heater (55°C/ 35 °C)	N/A	N/A	N/A	N/A	N/A
	Energy Grade of Package of Space Heater	N/A	N/A	N/A	N/A	N/A
Compressor	Type	-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary x1	SSC Scroll x1
	Output	kW	4.12	4.12	4.92	4.96
	Model	-	UG5T450FUEJX	UG5T450FUEJX	UG5T520FUBJX	DS-GB052FAVADO x1
	Oil (Type)	-	PVE	PVE	PVE	PVE
	Oil (Initial Charge)	cc	1,700	1,700	1,700	1,100
Fan	Type	-	Propeller	Propeller	Propeller	Propeller
	Motor (Output)	W	125	139	139	180
	Number of Unit	EA			2	2
	Air Flow Rate (High/Mid/Low)	CMM	N/A	N/A	N/A	N/A
	Air Flow Rate	m^3/h	3840	4200	8100	8100
	Air Flow Rate(High/Mid/Low)	l/s	N/A	N/A	N/A	N/A
	External Static Pressure (Min/Std/Max)	mmAq	N/A	N/A	N/A	N/A
	External Static Pressure (Min/Std/Max)	Pa	N/A	N/A	N/A	N/A
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52
	Liquid Pipe	Φ, inch	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	15.88	15.88	19.05	19.05
	Gas Pipe	Φ, mm	5/8"	5/8"	3/4"	3/4"
	Drain Pipe	Φ, inch	N/A	N/A	N/A	N/A
	Discharge Gas Pipe	Φ, mm	N/A	N/A	N/A	N/A
	Discharge Gas Pipe	Φ, inch	N/A	N/A	N/A	N/A
	Oil Equalizing Pipe	Φ, mm	N/A	N/A	N/A	N/A
	Oil Equalizing Pipe	Φ, inch	N/A	N/A	N/A	N/A
	Installation Max. Length	m	50	50	100	100
	Installation Max. Height	m	30	30	30	30
Field Wiring	Power Source Wire	mm^2	N/A	N/A	N/A	N/A
	Transmission Cable	mm^2	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	N/A	N/A	N/A	N/A	N/A
	Factory Charging	kg	2.00	2.50	3.70	3.70
	Factory Charging	tCO2e	4.18	5.22	7.73	
Sound	Sound Pressure	dB(A)	52	55	59	56
	Sound Pressure (High/Mid/Low)	dB(A)	N/A	N/A	N/A	N/A
	Sound Power	dB(A)	74	76	78	75
External Dimension (Outdoor Unit)	Net Weight	kg	79.0	83.5	115.0	135.0
	Shipping Weight	kg	84.5	89.0	125.0	140.0
	Net Dimensions (WxHxD)	mm	940 x 998 x 330	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330
	Shipping Dimensions (WxHxD)	mm	1,009 x 1,124 x 419	1,009 x 1,124 x 419	995 x 1,578 x 426	995 x 1,578 x 426
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0°C	-5.0 ~ 48.0°C	-5.0 ~ 48.0°C	-5.0 ~ 48.0°C
	Heating	°C	-20.0 ~ 24.0°C	-20.0 ~ 24.0°C	-20.0 ~ 24.0°C	-20.0 ~ 24.0°C



DVM S Eco › Heat Pump

Model Code			AM100KXMDGH/TK	AM120KXMDGH/TK	AM140KXMDGH/TK
Features	Type		DVM S Eco Big	DVM S Eco Big	DVM S Eco Big
Model Name	Outdoor Unit		AM100KXMDGH/EU	AM120KXMDGH/EU	AM140KXMDGH/EU
Power Supply (Outdoor Unit)		Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode		HP	HP	HP
Performance (nominal)		HP	10	12	14
Capacity	Cooling	kW	28.0	33.5	40.0
	Cooling	Btu/h	N/A	N/A	N/A
	Heating	kW	31.5	37.5	45.0
	Heating	Btu/h	N/A	N/A	N/A
Power Input (Nominal)	Cooling	kW	7.29	8.77	10.59
	Heating	kW	6.74	7.83	9.88
Current Input (Nominal)	Cooling	A	11.51	13.74	16.48
	Heating	A	10.58	12.23	15.55
Power	MCA	A	21.5	23.5	32.0
	MFA	A	30.0	30.0	40.0
Energy Efficiency	EER (Nominal Cooling)	W/W	3.8	3.8	3.8
	COP (Nominal Heating)	W/W	4.7	4.8	4.6
	Energy Grade of Space Heater (55°C/ 35 °C)	N/A	N/A	N/A	N/A
	Energy Grade of Package of Space Heater	N/A	N/A	N/A	N/A
Compressor	Type	-	Scroll Inverter	Scroll Inverter	Scroll Inverter
	Output	kW	5.18 x1	6.39 x1	6.76 x1
	Model	-	DS-GB052FAVB	DS-GB066FAVB	DS-GB070FAVA
	Oil (Type)	-	PVE	PVE	PVE
	Oil (Initial Charge)	cc	1100	1100	1100
Fan	Type	-	Propeller	Propeller	Propeller
	Motor (Output)	W	244	244	244
	Number of Unit	EA	2	2	2
	Air Flow Rate (High / Mid / Low)	CMM	N/A	N/A	N/A
	Air Flow Rate	m^3/h	9900	9960	10800
	Air Flow Rate(High/Mid/Low)	l/s	N/A	N/A	N/A
	External Static Pressure (Min/Std/Max)	mmAq	N/A	N/A	N/A
	External Static Pressure (Min/Std/Max)	Pa	N/A	N/A	N/A
Piping Connections	Liquid Pipe	Φ, mm	9.52	12.7	12.7
	Liquid Pipe	Φ, inch	3/8"	1/2"	1/2"
	Gas Pipe	Φ, mm	22.22	28.58	28.58
	Gas Pipe	Φ, mm	7/8"	1+1/8"	1+1/8"
	Drain Pipe	Φ, inch	N/A	N/A	N/A
	Discharge Gas Pipe	Φ, mm	N/A	N/A	N/A
	Discharge Gas Pipe	Φ, inch	N/A	N/A	N/A
	Oil Equalizing Pipe	Φ, mm	N/A	N/A	N/A
	Oil Equalizing Pipe	Φ, inch	N/A	N/A	N/A
	Installation Max. Length	m	160	160	160
	Installation Max. Height	m	50	50	50
Field Wiring	Power Source Wire	mm^2	N/A	N/A	N/A
	Transmission Cable	mm^2	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	N/A	N/A	N/A	N/A
	Factory Charging	kg	3.70	4.30	4.80
	Factory Charging	tCO2e			
Sound	Sound Pressure	dB(A)	58	59	62
	Sound Pressure (High/Mid/Low)	dB(A)	N/A	N/A	N/A
	Sound Power	dB(A)	75	77	80
External Dimension (Outdoor Unit)	Net Weight	kg	145.0	155.0	162.0
	Shipping Weight	kg	158.0	168.0	175.0
	Net Dimensions (WxHxD)	mm	940 x1,630 x 460	940 x1,630 x 460	940 x1,630 x 460
	Shipping Dimensions (WxHxD)	mm	1,020 x1,820 x 575	1,020 x1,820 x 575	1,020 x1,820 x 575
Operating Temp. Range	Cooling	°C	-5 ~ 52°C	-5 ~ 52°C	-5 ~ 52°C
	Heating	°C	-25 ~ 24°C	-25 ~ 24°C	-25 ~ 24°C

VRF | Outdoor Unit SPECIFICATIONS



DVM S Eco > Cooling Only

Model Code		AM040TXMNKC/EA	AM050TXMNKC/EA	AM060TXMNKC/EA
Attribute		Value	Value	Value
Features	Type	DVM S Eco	DVM S Eco	DVM S Eco
Model Name	Outdoor Unit	AM040TXMNKC/EA	AM050TXMNKC/EA	AM060TXMNKC/EA
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1, 2, 220-240, 50/60	1, 2, 220-240, 50/60	1, 2, 220-240, 50/60
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY
Performance (nominal)		4.00 HP	5.00 HP	6.00 HP
Capacity	Cooling [kW]	12.10 kW	14.00 kW	15.50 kW
	Cooling [Btu/h]	41,300 Btu/h	47,800 Btu/h	52,900 Btu/h
Power Input (Nominal)	Cooling 1)	3.60 kW	4.00 kW	4.65 kW
Current Input (Nominal)	Cooling 1)	17.50 A	19.50 A	23.1 A
Power	MCA [A]	24.00 A	24.00 A	30.00 A
	MFA [A]	32.00 A	32.00 A	40.00 A
Energy Efficiency	EER (Nominal Cooling)	3.36	3.5	3.33
Compressor	Type	Inverter Rotary x 1	Inverter Rotary x 1	Twin BLDC Rotary x 1
	Output(kW)	(4.11) kW	(4.11) kW	- kW
	Model	UG5T450FUEJXS2 x 1	UG5T450FUEJXS2 x 1	UG5TK5450FJX x 1
	Oil (Type)	PVE	PVE	PVE
	Oil (Initial Charge) [cc]	1700 cc	1700 cc	- cc
Fan	Type	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC
	Motor (Output) [W]	125.0 W	125.0 W	139.0 W
	Number of Unit (EA)	1 EA	1 EA	1 EA
	Air Flow Rate [CMM]	64 CMM	64 CMM	75 CMM
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	19.05 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	3/4"
	Installation Max. Length [m]	70 m	70 m	50 m
	Installation Max. Height [m]	50.0 m	30.0 m	30 m
Field Wiring	Transmission Cable	0.75	0.75	0.75 ~ 1.5
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging (kg)	2.00 kg	2.00 kg	2.50 kg
Sound	Sound Pressure	52.0 dBA	55.0 dBA	55 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	76.0 kg	83.5 kg	84 kg
	Shipping Weight (kg)	79.0 kg	89.0 kg	89.5 kg
	Net Dimensions (WxHxD) (mm)	940 x 998 x 330 mm	940 x 998 x 330 mm	940 x 998 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1,136 x 426 mm	995 x 1,136 x 426 mm	995 x 1,096 x 426 mm
Operating Temp. Range	Cooling (°C)	-5.0 ~ 52.0°C	-5.0 ~ 52.0°C	-5.0 ~ 48.0°C
Smart	WiFi Kit	N/A	N/A	N/A
App Connectivity	SmartThings App Support	N/A	N/A	N/A



DVM S Eco › Heat Recovery

AM080TXMNNC/EA	AM100TXMDNC/EA	AM120TXMDNC/EA	AM140TXMDNC/EA
Value	Value	Value	Value
DVM S Eco	DVM S Eco	DVM S Eco	DVM S Eco
AM080TXMNNC/EA	AM100TXMDNC/EA	AM120TXMDNC/EA	AM140TXMDNC/EA
3,4,380-415,50/60Hz	3, 4, 380-415, 50/60	3, 4, 380-415, 50/60	3, 4, 380-415, 50/60
COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
8.00 HP	10.00 HP	12.00 HP	14.00 HP
22.40 kW	29.00 kW	33.60 kW	40.00 kW
76,400 Btu/h	99,000 Btu/h	114,600 Btu/h	136,500 Btu/h
6.90 kW	7.30 kW	8.77 kW	10.59 kW
11.70 A	11.7 A	13.74 A	16.48 A
18.40 (MCA) A	21.5 A	23.50 (Max.) A	32.00 (Max.) A
25.00 A	30 A	30.00 A	40.00 A
3.25	3.97	3.83	3.78
. Rotary x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
- kW	(5.18) kW	6.39 kW	6.76 kW
UG5T520FUBJXS1 x 1	DS-GB052FAVB x 1	DS-GB066FAVB x 1	DS-GB070FAVA x 1
PVE	PVE	PVE	PVE
1700 cc	1100 cc	1100 cc	1100 cc
Propeller	Propeller	Propeller	Propeller
139.0 W	244.0 W	244.0 W	244.0 W
2 EA	2 EA	2 EA	2 EA
135 CMM	190 CMM	201 CMM	201 CMM
9.52 mm	9.52 mm	12.70 mm	12.70 mm
3/8"	3/8"	1/2"	1/2"
19.05 mm	22.22 mm	28.58 mm	28.58 mm
3/4"	7/8"	1 1/8"	1 1/8"
100 m	160 m	160 m	160 m
30.0 m	50.0 m	50.0 m	50.0 m
0.75	0.75	0.75	0.75
R410A	R410A	R410A	R410A
3.70 kg	3.70 kg	4.30 kg	4.80 kg
59.0 dBA	58.0 dBA	61.0 dBA	62.0 dBA
115.0 kg	143.0 kg	153.0 kg	160.0 kg
125.0 kg	156.0 kg	166.0 kg	173.0 kg
940 x 1,420 x 330 mm	940 x 1,630 x 460 mm	940 x 1,630 x 460 mm	940 x 1,630 x 460 mm
995 x 1,578 x 426 mm	1,020 x 1,820 x 575 mm	1,020 x 1,820 x 575 mm	1,020 x 1,820 x 575 mm
-5.0 ~ 48.0 ℃	-5.0 ~ 48.0 ℃	-5.0 ~ 48.0 ℃	-5.0 ~ 48.0 ℃
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

VRF | Indoor Unit SPECIFICATIONS



Cassette › 360 Cassette

Model Code			AM045KN4DEH/TK	AM056KN4DEH/TK	AM071KN4DEH/TK	AM090KN4DEH/TK
Attribute			Spec Value	Spec Value	Spec Value	Spec Value
Features	Type		360 Cassette	360 Cassette	360 Cassette	360 Cassette
Model Name	Indoor Unit		AM045KN4DEH/EU	AM056KN4DEH/EU	AM071KN4DEH/EU	AM090KN4DEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	4.5	5.6	71	9.0
	Cooling	Btu/h	15400	19100	24200	30700
	Heating	kW	5.0	6.3	8.0	10.0
	Heating	Btu/h	15400	21500	27300	34100
Power Input (Nominal)	Cooling	kW	0.026	0.030	0.034	0.055
	Heating	kW	0.026	0.030	0.034	0.055
Current Input (Nominal)	Cooling	A	0.18	0.21	0.25	0.42
	Heating	A	0.18	0.21	0.25	0.42
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output)	W	65 x1	65 x1	65 x1	65 x1
	Air Flow Rate (High/Mid/Low)	l/s	241.67/225.00/208.33	266.67/241.67/225.00	300.00/266.67/233.33	366.67/308.33/266.67
	Air Flow Rate (High/Mid/Low)	m^3/h	870/810/750	960/870/810	1080/960/840	1320/1110/960
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	9.52	9.52
	Liquid Pipe	Φ, inch	1/4	1/4	3/8	3/8
	Gas Pipe	Φ, mm	12.7	12.7	15.88	15.88
	Gas Pipe	Φ, inch	1/2	1/2	5/8	5/8
	Drain Pipe	Φ, mm	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	33/31/29	34/32/29	36/33/30	40/36/32
	Sound Power	dB(A)	50.0	51.0	53.0	570
External Dimension (Indoor Unit)	Net Weight	kg	21.0	21.0	21.0	21.0
	Shipping Weight	kg	25.9	25.9	25.9	25.9
	Net Dimensions (WxHxD)	mm	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947
	Shipping Dimensions (WxHxD)	mm	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990
Panel Size	Panel model	-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight	kg	3.6	3.6	3.6	3.6
	Shipping Weight	kg	6.0	6.0	6.0	6.0
	Net Dimensions (WxHxD)	mm	1,000 x 66 x1,000	1,000 x 66 x1,000	1,000 x 66 x1,000	1,000 x 66 x1,000
	Shipping Dimensions (WxHxD)	mm	1,093 x 85 x1,083	1,093 x 85 x1,083	1,093 x 85 x1,083	1,093 x 85 x1,083
Additional Accessories	Drain Pump	-	Built In	Built In	Built In	Built In
	Drain Pump Max. Lifting Height/ Displacement	mm	750/24	750/24	750/24	750/24



Cassette › 360 Cassette

Model Code			AM112KN4DEH/TK	AM128KN4DEH/TK	AM140KN4DEH/TK
Attribute			Spec Value	Spec Value	Spec Value
Features	Type		360 Cassette	360 Cassette	360 Cassette
Model Name	Indoor Unit		AM112KN4DEH/EU	AM128KN4DEH/EU	AM140KN4DEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	11.2	12.8	14.0
	Cooling	Btu/h	38200	43700	47800
	Heating	kW	12.5	13.8	16.0
	Heating	Btu/h	42700	47100	54600
Power Input (Nominal)	Cooling	kW	0.053	0.077	0.091
	Heating	kW	0.053	0.077	0.091
Current Input (Nominal)	Cooling	A	0.41	0.62	0.75
	Heating	A	0.41	0.62	0.75
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output)	W	97 x1	97 x1	97 x1
	Air Flow Rate (High/Mid/Low)	l/s	425.00/350.00/291.67	491.67/400.00/316.67	525.00/441.67/350.00
	Air Flow Rate (High/Mid/Low)	m^3/h	1530/1260/1050	1770/1440/1140	1890/1590/1260
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52
	Liquid Pipe	Φ, inch	3/8	3/8	3/8
	Gas Pipe	Φ, mm	15.88	15.88	15.88
	Gas Pipe	Φ, inch	5/8	5/8	5/8
	Drain Pipe	Φ, mm	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	40/36/32	42/38/33	44/40/35
	Sound Power	dB(A)	58.0	60.0	61.0
External Dimension (Indoor Unit)	Net Weight	kg	24.0	24.0	24.0
	Shipping Weight	kg	29.4	29.4	29.4
	Net Dimensions (WxHxD)	mm	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Shipping Dimensions (WxHxD)	mm	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990
Panel Size	Panel model	-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight	kg	3.6	3.6	3.6
	Shipping Weight	kg	6.0	6.0	6.0
	Net Dimensions (WxHxD)	mm	1,000 x 66 x1,000	1,000 x 66 x1,000	1,000 x 66 x1,000
	Shipping Dimensions (WxHxD)	mm	1,093 x 85 x1,083	1,093 x 85 x1,083	1,093 x 85 x1,083
Additional Accessories	Drain Pump	-	Built In	Built In	Built In
	Drain Pump Max. Lifting Height/ Displacement	mm	750/24	750/24	750/24

VRF | Indoor Unit SPECIFICATIONS



Cassette > 4Way

Model Code			AM045NN4DEH/TK	AM056NN4DEH/TK	AM071NN4DEH/TK	AM090NN4DEH/TK
Attribute			Spec Value	Spec Value	Spec Value	Spec Value
Features	Type		4 WAY CASSETTE S	4 WAY CASSETTE S	4 WAY CASSETTE S	4 WAY CASSETTE S
Model Name	Indoor Unit		AM045NN4DEH/EU	AM056NN4DEH/EU	AM071NN4DEH/EU	AM090NN4DEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	4.5	5.6	7.1	9.0
	Cooling	Btu/h	15,400	19,100	24,200	30,700
	Heating	kW	5.0	6.3	8.0	10.0
	Heating	Btu/h	17,100	21,500	27,300	34,100
Power Input (Nominal)	Cooling	kW	0.032	0.032	0.045	0.062
	Heating	kW	0.032	0.032	0.045	0.062
Current Input (Nominal)	Cooling	A	0.22	0.22	0.31	0.43
	Heating	A	0.22	0.22	0.31	0.43
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output)	W	65	65	65	65
	Air Flow Rate (High/Mid/Low)	l/s	242/225/208	250/233/217	283/258/242	325/300/275
	Air Flow Rate (High/Mid/Low)	m³/h	870/810/750	900/840/780	1020/930/870	1170/1080/990
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	9.52	9.52
	Liquid Pipe	Φ, inch	1/4"	1/4"	3/8"	3/8"
	Gas Pipe	Φ, mm	12.70	12.70	15.88	15.88
	Gas Pipe	Φ, inch	1/2"	1/2"	5/8"	5/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm²	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm²	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	33/32/30	33/32/30	35/34/33	39/36/33
	Sound Power	dB(A)	49.0	50.0	54.0	57.0
External Dimension (Indoor Unit)	Net Weight	kg	15.0	15.0	15.0	15.0
	Shipping Weight	kg	18.5	18.5	18.5	18.5
	Net Dimensions (WxHxD)	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
	Shipping Dimensions (WxHxD)	mm	898 x 275 x 898	898 x 275 x 898	898 x 275 x 898	898 x 275 x 898
Panel Size	Panel model	-	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight	kg	6.3	6.3	6.3	6.3
	Shipping Weight	kg	8.7	8.7	8.7	8.7
	Net Dimensions (WxHxD)	mm	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950
	Shipping Dimensions (WxHxD)	mm	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000



Cassette › 4Way

Model Code			AM112NN4DEH/TK	AM128NN4DEH/TK	AM140NN4DEH/TK
Attribute			Spec Value	Spec Value	Spec Value
Features	Type		4 WAY CASSETTE S	4 WAY CASSETTE S	4 WAY CASSETTE S
Model Name	Indoor Unit		AM112NN4DEH/EU	AM128NN4DEH/EU	AM140NN4DEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	11.2	12.8	14.0
	Cooling	Btu/h	38,200	43,700	47,800
	Heating	kW	12.5	13.8	16.0
	Heating	Btu/h	42,700	47,100	54,600
Power Input (Nominal)	Cooling	kW	0.078	0.073	0.089
	Heating	kW	0.078	0.073	0.089
Current Input (Nominal)	Cooling	A	0.55	0.51	0.62
	Heating	A	0.55	0.51	0.62
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output)	W	65	97	97
	Air Flow Rate (High/Mid/Low)	l/s	433/400/367	467/433/383	500/467/433
	Air Flow Rate (High/Mid/Low)	m^3/h	1560/1440/1320	1680/1560/1380	1800/1680/1560
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52
	Liquid Pipe	Φ, inch	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	15.88	15.88	15.88
	Gas Pipe	Φ, inch	5/8"	5/8"	5/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	40/38/35	42/40/35	44/41/35
	Sound Power	dB(A)	57.0	58.0	60.0
External Dimension (Indoor Unit)	Net Weight	kg	16.5	18.5	18.5
	Shipping Weight	kg	20.0	22.5	22.5
	Net Dimensions (WxHxD)	mm	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping Dimensions (WxHxD)	mm	898 x 316 x 898	898 x 357 x 898	898 x 357 x 898
Panel Size	Panel model	-	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight	kg	6.3	6.3	6.3
	Shipping Weight	kg	8.7	8.7	8.7
	Net Dimensions (WxHxD)	mm	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950
	Shipping Dimensions (WxHxD)	mm	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000

VRF | Indoor Unit SPECIFICATIONS



Cassette › 4Way 600x600

Model Code			AM022NNNDEH/TK	AM028NNNDEH/TK	AM036NNNDEH/TK
Attribute			Spec Value	Spec Value	Spec Value
Features	Type		4 WAY CASSETTE S (600x600)	4 WAY CASSETTE S (600x600)	4 WAY CASSETTE S (600x600)
Model Name	Indoor Unit		AM022NNNDEH/EU	AM028NNNDEH/EU	AM036NNNDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	2.2	2.8	3.6
	Cooling	Btu/h	7,500	9,600	12,300
	Heating	kW	2.5	3.2	4.0
	Heating	Btu/h	8,500	10,900	13,600
Power Input (Nominal)	Cooling	kW	0.018	0.018	0.020
	Heating	kW	0.018	0.018	0.020
Current Input (Nominal)	Cooling	A	0.17	0.17	0.19
	Heating	A	0.17	0.17	0.19
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output)	W	65 x 1	65 x 1	65 x 1
	Air Flow Rate (High/Mid/Low)	l/s	150/128/108	167/142/125	175/150/125
	Air Flow Rate (High/Mid/Low)	m^3/h	540/462/390	600/510/450	630/540/450
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35
	Liquid Pipe	Φ, inch	1/4"	1/4"	1/4"
	Gas Pipe	Φ, mm	12.70	12.70	12.70
	Gas Pipe	Φ, inch	1/2"	1/2"	1/2"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	32/29/25	33/30/26	34/30/26
	Sound Power	dB(A)	47.0	50.0	51.0
External Dimension (Indoor Unit)	Net Weight	kg	12.0	12.0	12.0
	Shipping Weight	kg	14.0	14.0	14.0
	Net Dimensions (WxHxD)	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (WxHxD)	mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
Panel Size	Panel model	-	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Panel Net Weight	kg	2.7	2.7	2.7
	Shipping Weight	kg	3.9	3.9	3.9
	Net Dimensions (WxHxD)	mm	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Shipping Dimensions (WxHxD)	mm	670 x120 x 655	670 x120 x 655	670 x120 x 655



Cassette › 4Way 600x600

Model Code			AM045NNNDEH/TK	AM056NNNDEH/TK	AM060NNNDEH/TK
Attribute			Spec Value	Spec Value	Spec Value
Features	Type		4 WAY CASSETTE S (600x600)	4 WAY CASSETTE S (600x600)	4 WAY CASSETTE S (600x600)
Model Name	Indoor Unit		AM045NNNDEH/EU	AM056NNNDEH/EU	AM060NNNDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	4.5	5.6	6.0
	Cooling	Btu/h	15,400	19,100	20,500
	Heating	kW	5.0	6.3	6.8
	Heating	Btu/h	17,100	21,500	23,200
Power Input (Nominal)	Cooling	kW	0.023	0.028	0.031
	Heating	kW	0.023	0.028	0.031
Current Input (Nominal)	Cooling	A	0.22	0.27	0.30
	Heating	A	0.22	0.27	0.30
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output)	W	65 x1	65 x1	65 x1
	Air Flow Rate (High/Mid/Low)	l/s	192/170/150	217/183/158	225/200/170
	Air Flow Rate (High/Mid/Low)	m^3/h	690/612/540	780/660/570	810/720/612
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35
	Liquid Pipe	Φ, inch	1/4"	1/4"	1/4"
	Gas Pipe	Φ, mm	12.70	12.70	12.70
	Gas Pipe	Φ, inch	1/2"	1/2"	1/2"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	36/34/32	39/36/33	40/38/35
	Sound Power	dB(A)	53.0	56.0	57.0
External Dimension (Indoor Unit)	Net Weight	kg	12.0	12.0	12.0
	Shipping Weight	kg	14.0	14.0	14.0
	Net Dimensions (WxHxD)	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (WxHxD)	mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
Panel Size	Panel model	-	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Panel Net Weight	kg	2.7	2.7	2.7
	Shipping Weight	kg	3.9	3.9	3.9
	Net Dimensions (WxHxD)	mm	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Shipping Dimensions (WxHxD)	mm	670 x120 x 655	670 x120 x 655	670 x120 x 655

VRF | Indoor Unit SPECIFICATIONS



Cassette › 2Way

Model Code			AM056FN2DEH/TK	AM071FN2DEH/TK
Attribute			Spec Value	Spec Value
Features	Type		2 WAY CASSETTE	2 WAY CASSETTE
Model Name	Indoor Unit		AM056FN2DEH/EU	AM071FN2DEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR
Capacity	Cooling	kW	5.6	7.1
	Cooling	Btu/h	19,100	24,200
	Heating	kW	6.3	8.0
	Heating	Btu/h	21,500	27,300
Power Input (Nominal)	Cooling	kW	0.070	0.075
	Heating	kW	0.070	0.075
Current Input (Nominal)	Cooling	A	0.38	0.40
	Heating	A	0.38	0.40
Fan	Type	-	Crossflow Fan	Crossflow Fan
	Motor (Output)	W	14 x 2	14 x 2
	Air Flow Rate (High/Mid/Low)	l/s	233.33/216.67/200.00	250.00/233.33/216.67
	Air Flow Rate (High / Mid / Low)	m^3/h	840/780/720	900/840/780
Piping Connections	Liquid Pipe	Φ, mm	6.35	9.52
	Liquid Pipe	Φ, inch	1/4"	3/8"
	Gas Pipe	Φ, mm	12.70	15.88
	Gas Pipe	Φ, inch	1/2"	5/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low)	dB(A)	38/37/35	41/39/37
	Sound Power	dB(A)	58.0	60.0
External Dimension (Indoor Unit)	Net Weight	kg	21.0	22.0
	Shipping Weight	kg	25.0	26.0
	Net Dimensions (WxHxD)	mm	890 x 230 x 575	890 x 230 x 575
	Shipping Dimensions (WxHxD)	mm	1,077 x 299 x 642	1,077 x 299 x 642
Panel Size	Panel model	-	PC2NUSMEN	PC2NUSMEN
	Panel Net Weight	kg	4.0	4.0
	Shipping Weight	kg	8.0	8.0
	Net Dimensions (WxHxD)	mm	1,030 x 25 x 650	1,030 x 25 x 650
	Shipping Dimensions (WxHxD)	mm	1,103 x 151 x 727	1,103 x 151 x 727

Cassette > 1Way



Model Code			AM022NN1DEH/TK	AM028NN1DEH/TK
Attribute			Spec Value	Spec Value
Features	Type		1Way CASSETTE	1Way CASSETTE
Model Name	Indoor Unit		AM022NN1DEH/EU	AM028NN1DEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR
Capacity	Cooling	kW	2.2	2.8
	Cooling	Btu/h	7,500	9,600
	Heating	kW	2.5	3.2
	Heating	Btu/h	8,500	10,900
Power Input (Nominal)	Cooling	kW	0.040	0.045
	Heating	kW	0.040	0.045
Current Input (Nominal)	Cooling	A	0.20	0.23
	Heating	A	0.20	0.23
Fan	Type	-	Crossflow Fan	Crossflow Fan
	Motor (Output)	W	17 x 1	17 x 1
	Air Flow Rate (High/Mid/Low)	l/s	100.00/83.33/66.67	116.67/100.00/83.33
	Air Flow Rate (High/Mid/Low)	m^3/h	360/300/240	420/360/300
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35
	Liquid Pipe	Φ, inch	1/4"	1/4"
	Gas Pipe	Φ, mm	12.70	12.70
	Gas Pipe	Φ, inch	1/2"	1/2"
	Drain Pipe	Φ, mm	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	29 / 26 / 24	32 / 28 / 24
	Sound Power	dB(A)	47.0	50.0
External Dimension (Indoor Unit)	Net Weight	kg	10	10
	Shipping Weight	kg	12.8	12.8
	Net Dimensions (WxHxD)	mm	970 x 135 x 410	970 x 135 x 410
	Shipping Dimensions (WxHxD)	mm	1,173 x 231 x 487	1,173 x 231 x 487
Panel Size	Panel model	-	PC1NWFMAN	PC1NWFMAN
	Panel Net Weight	kg	4.3	4.3
	Shipping Weight	kg	6.3	6.3
	Net Dimensions (WxHxD)	mm	1,198 x 35 x 500	1,198 x 35 x 500
	Shipping Dimensions (WxHxD)	mm	1,262 x 124 x 568	1,262 x 124 x 568

VRF | Indoor Unit SPECIFICATIONS



Cassette › 1Way

Model Code			AM036NN1DEH/TK	AM056NN1DEH/TK	AM071NN1DEH/TK
Attribute			Spec Value	Spec Value	Spec Value
Features	Type		1Way CASSETTE	1Way CASSETTE	1Way CASSETTE
Model Name	Indoor Unit		AM036NN1DEH/EU	AM056NN1DEH/EU	AM071NN1DEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	3.6	5.6	7.1
	Cooling	Btu/h	12,300	19,100	24,200
	Heating	kW	4.0	6.3	8.0
	Heating	Btu/h	13,600	21,500	27,300
Power Input (Nominal)	Cooling	kW	0.050	0.055	0.080
	Heating	kW	0.050	0.055	0.080
Current Input (Nominal)	Cooling	A	0.25	0.28	0.40
	Heating	A	0.25	0.28	0.40
Fan	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor (Output)	W	17 x1	54 x1	54 x1
	Air Flow Rate (High/Mid/Low)	l/s	133.33/116.67/100.00	266.67/233.33/208.33	283.33/258.33/233.33
	Air Flow Rate (High/Mid/Low)	m^3/h	480/420/360	960/840/750	1020/930/840
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	9.52
	Liquid Pipe	Φ, inch	1/4"	1/4"	3/8"
	Gas Pipe	Φ, mm	12.70	12.70	15.88
	Gas Pipe	Φ, inch	1/2"	1/2"	5/8"
	Drain Pipe	Φ, mm	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	37 / 33 / 30	41 / 38 / 35	42 / 39 / 36
	Sound Power	dB(A)	55.0	59.0	60.0
External Dimension (Indoor Unit)	Net Weight	kg	10	13.5	13.5
	Shipping Weight	kg	12.8	17.3	17.3
	Net Dimensions (WxHxD)	mm	970 x135 x 410	1,200 x138 x 450	1,200 x138 x 450
	Shipping Dimensions (WxHxD)	mm	1,173 x 231 x 487	1,435 x 224 x 525	1,435 x 224 x 525
Panel Size	Panel model	-	PC1NWFMAN	PC1BWFMAN	PC1BWFMAN
	Panel Net Weight	kg	4.3	5.0	5.0
	Shipping Weight	kg	6.3	7.0	7.0
	Net Dimensions (WxHxD)	mm	1,198 x 35 x 500	1,410 x 35 x 500	1,410 x 35 x 500
	Shipping Dimensions (WxHxD)	mm	1,262 x124 x 568	1,473 x124 x 568	1,473 x124 x 568



Ducted › Slim Duct Pump excluded

Model Code			AM022FNLDEH/TK	AM028FNLDEH/TK	AM036FNLDEH/TK	AM045FNLDEH/TK	AM056FNLDEH/TK	AM071FNLDEH/TK
Attribute			Value	Value	Value	Spec Value	Spec Value	Spec Value
Features	Type		SLIM DUCT	SLIM DUCT	SLIM DUCT	SLIM DUCT	SLIM DUCT	SLIM DUCT
Model Name	Indoor Unit		AM022FNLDEH/TK	AM028FNLDEH/TK	AM036FNLDEH/TK	AM045FNLDEH/EU	AM056FNLDEH/EU	AM071FNLDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	2.2	2.8	3.60	4.5	5.6	7.1
	Cooling	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	kW	2.5	3.2	4.00	5.0	6.3	8.0
	Heating	Btu/h	8,500	10,900	13,600	17,00	21,500	27,300
Power Input (Nominal)	Cooling	kW	55.00	60.00	65.00	0.090	0.095	0.120
	Heating	kW	55.00	60.00	65.00	0.090	0.095	0.120
Current Input (Nominal)	Cooling	A	0.30	0.32	0.33	0.52	0.53	0.60
	Heating	A	0.30	0.32	0.33	0.52	0.53	0.60
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	69x1	-	-	-	-	-
	Air Flow Rate (High/Mid/Low)	l/s	116.67/101.67/88.33	125.00/110.00/93.33	125.00/110.00/93.33	183.33/160.00/138.33	200.00/175.00/150.00	275.00/250.00/225.00
	Air Flow Rate (High/Mid/Low)	m^3/h	7.50/6.80/6.00cmm	8.50/7.40/6.40cmm	8.50/7.40/6.40 CMM	780/684/588	840/738/630	990/900/810
	External Static Pressure (Min/Std/Max)	mmAq	0.00/1.00/3.00	0.00/9.81/29.42	0.00/1.00/3.00	0.00/2.00/4.00	0.00/2.00/4.00	0.00/2.00/4.00
	External Static Pressure (Min/Std/Max)	Pa	0.00/9.81/29.42	0.00/9.81/29.42	0.00/9.81/29.42	0.00/19.61/39.23	0.00/19.61/39.23	0.00/19.61/39.23
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	9.52
	Liquid Pipe	Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	12.70	15.88
	Gas Pipe	Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	26.0/24.0/21.0	28.0/26.0/23.0	32.0/30.0/27.0	35/31/26	36/34/31	38/36/33
	Sound Power	dB(A)	49.0	49.0	51.0 dBA	53.0	55.0	57.0
External Dimension (Indoor Unit)	Net Weight	kg	19.00	19.00	19.50 kg	24.5	24.5	30.0
	Shipping Weight	kg	23.00	23.00	23.50 kg	28.5	28.5	34.5
	Net Dimensions (WxHxD)	mm	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	900 x 199 x 600	900 x 199 x 600	1,100 x 199 x 600
	Shipping Dimensions (WxHxD)	mm	950 x 270 x 710	950 x 270 x 710	950 x 270 x 710	1,150 x 280 x 710	1,150 x 280 x 710	1,350 x 280 x 710
Additional Accessories	Drain Pump		MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D
	Drain Pump Max. Lifting Height/ Displacement		-	-	-	750/24	750/24	750/24
	Air Filter	mm	-	-	-	Long life filter	Long life filter	Long life filter

VRF | Indoor Unit SPECIFICATIONS



Ducted › Slim Duct Pump excluded

Model Code			AM090FNLDEH/TK	AM112FNLDEH/TK	AM128FNLDEH/TK	AM140FNLDEH/TK
Attribute			Spec Value	Spec Value	Spec Value	Spec Value
Features	Type		SLIM DUCT	SLIM DUCT	SLIM DUCT	SLIM DUCT
Model Name	Indoor Unit		AM090FNLDEH/EU	AM112FNLDEH/EU	AM128FNLDEH/EU	AM140FNLDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	9.0	11.2	12.8	14.0
	Cooling	Btu/h	30,700	38,200	43,700	47,800
	Heating	kW	10.0	12.5	13.8	16.0
	Heating	Btu/h	34,100	42,700	47,100	54,600
Power Input (Nominal)	Cooling	kW	0.170	0.170	0.200	0.220
	Heating	kW	0.170	0.170	0.200	0.220
Current Input (Nominal)	Cooling	A	0.96	0.96	1.28	1.43
	Heating	A	0.96	0.96	1.28	1.43
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	-	-	-	-
	Air Flow Rate (High/Mid/Low)	l/s	483.33/450.00/416.67	520.00/483.33/450.00	566.67/533.33/500.00	600.00/566.67/533.33
	Air Flow Rate (High/Mid/Low)	m^3/h	1740/1620/1500	1872/1740/1620	2040/1920/1800	2160/2040/1920
	External Static Pressure (Min/Std/Max)	mmAq	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00
	External Static Pressure (Min/Std/Max)	Pa	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52
	Liquid Pipe	Φ, inch	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	15.88	15.88	15.88	15.88
	Gas Pipe	Φ, inch	5/8"	5/8"	5/8"	5/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method		EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low)	dB(A)	37/36/34	37/36/34	37/36/34	39/38/36
	Sound Power	dB(A)	66.0	66.0	66.0	68.0
External Dimension (Indoor Unit)	Net Weight	kg	40.0	40.0	41.5	46.0
	Shipping Weight	kg	47.0	47.0	48.5	54.0
	Net Dimensions (WxHxD)	mm	1,300 x 295 x 690	1,300 x 295 x 690	1,300 x 295 x 690	1,300 x 295 x 690
	Shipping Dimensions (WxHxD)	mm	1,575 x 370 x 835	1,575 x 370 x 835	1,575 x 370 x 835	1,575 x 370 x 835
Additional Accessories	Drain Pump		MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D
	Drain Pump Max. Lifting Height/ Displacement		750/24	750/24	750/24	750/24
	Air Filter		Long life filter	Long life filter	Long life filter	Long life filter



Ducted › Slim Duct Pump included

Model Code			AM022KNLDEH/TK	AM028KNLDEH/TK	AM036KNLDEH/TK
Attribute			Spec Value	Spec Value	Spec Value
Features	Type		SLIM HOME DUCT	SLIM HOME DUCT	SLIM HOME DUCT
Model Name	Indoor Unit		AM022KNLDEH/EU	AM028KNLDEH/EU	AM036KNLDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50
System	Mode		HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	2.2	2.8	3.6
	Cooling	Btu/h	7,500	9,600	12,300
	Heating	kW	2.5	3.2	4.0
	Heating	Btu/h	8,500	10,900	13,600
Power Input (Nominal)	Cooling	kW	0.030	0.034	0.040
	Heating	kW	0.030	0.036	0.042
Current Input (Nominal)	Cooling	A	0.25	0.28	0.33
	Heating	A	0.25	0.30	0.35
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	69	69	69
	Air Flow Rate (High/Mid/Low)	l/s	100.00/81.67/63.33	117.5/85.83/72.5	136.67/108.33/81.67
	Air Flow Rate (High/Mid/Low)	m^3/h	360/294/228	423/309/261	492/390/294
	External Static Pressure (Min/Std/Max)	mmAq	0.00/1.00/3.00	0.00/1.00/3.00	0.00/1.00/3.00
	External Static Pressure (Min/Std/Max)	Pa	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35
	Liquid Pipe	Φ, inch	1/4	1/4	1/4
	Gas Pipe	Φ, mm	12.70	12.70	12.70
	Gas Pipe	Φ, inch	1/2	1/2	1/2
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.5	0.75 ~1.5	0.75 ~1.5
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	26/23/19	28/24/19	31/26/20
	Sound Power	dB(A)	42.0	44.0	46.0
External Dimension (Indoor Unit)	Net Weight	kg	15.3	15.3	15.7
	Shipping Weight	kg	18.2	18.2	18.6
	Net Dimensions (WxHxD)	mm	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440
	Shipping Dimensions (WxHxD)	mm	949 x 280 x 544	949 x 280 x 544	949 x 280 x 544
Additional Accessories	Drain Pump		Built-in	Built-in	Built-in
	Drain Pump Max. Lifting Height/ Displacement		750 mm / (24 Liter/h)	750 mm / (24 Liter/h)	750 mm / (24 Liter/h)
	Air Filter		Y	Y	Y

VRF | Indoor Unit SPECIFICATIONS



Ducted › Slim Duct Pump included

Model Code			AM045KNLDEH/TK	AM056KNLDEH/TK	AM071KNLDEH/TK	AM090KNLDEH/TK
Attribute			Spec Value	Spec Value	Spec Value	Spec Value
Features	Type		SLIM DUCT	SLIM DUCT	SLIM DUCT	SLIM DUCT
Model Name	Indoor Unit		AM045KNLDEH/EU	AM056KNLDEH/EU	AM071KNLDEH/EU	AM090KNLDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	4.5	5.6	7.1	9.0
	Cooling	Btu/h	15,400	19,100	24,200	30,700
	Heating	kW	5.0	6.3	8.0	10.0
	Heating	Btu/h	17,100	21,500	27,300	34,100
Power Input (Nominal)	Cooling	kW	0.090	0.095	0.120	0.170
	Heating	kW	0.090	0.095	0.120	0.170
Current Input (Nominal)	Cooling	A	0.52	0.53	0.60	0.96
	Heating	A	0.52	0.53	0.60	0.96
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	-	-	-	-
	Air Flow Rate (High/Mid/Low)	l/s	183.33/160.00/138.33	200.00/175.00/150.00	275.00/250.00/225.00	483.33/450.00/416.67
	Air Flow Rate (High/Mid/Low)	m^3/h	660/576/498	720/630/540	990/900/810	1740/1620/1500
	External Static Pressure (Min/Std/Max)	mmAq	0.00/2.00/4.00	0.00/2.00/4.00	0.00/2.00/4.00	0.00/3.00/6.00
	External Static Pressure (Min/Std/Max)	Pa	0.00/19.61/39.23	0.00/19.61/39.23	0.00/19.61/39.23	0.00/29.42/58.84
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	9.52	9.52
	Liquid Pipe	Φ, inch	1/4"	1/4"	3/8"	3/8"
	Gas Pipe	Φ, mm	12.70	12.70	15.88	15.88
	Gas Pipe	Φ, inch	1/2"	1/2"	5/8"	5/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	35/31/26	36/34/31	38/36/33	37/36/34
	Sound Power	dB(A)	53.0	55.0	57.0	66.0
External Dimension (Indoor Unit)	Net Weight	kg	24.5	24.5	30.5	40.5
	Shipping Weight	kg	29.0	29.0	35.5	48.0
	Net Dimensions (WxHxD)	mm	900 x199 x 600	900 x199 x 600	1,100 x199 x 600	1,300 x 295 x 690
	Shipping Dimensions (WxHxD)	mm	1,150 x 280 x 710	1,150 x 280 x 710	1,350 x 280 x 710	1,575 x 370 x 835
Additional Accessories	Drain Pump		Drain Pump Included	Drain Pump Included	Drain Pump Included	Drain Pump Included



Ducted › Slim Duct Pump included

Model Code			AM112KNLDEH/TK	AM128KNLDEH/TK	AM140KNLDEH/TK
Attribute			Spec Value	Spec Value	Spec Value
Features	Type		SLIM DUCT	SLIM DUCT	SLIM DUCT
Model Name	Indoor Unit		AM112KNLDEH/EU	AM128KNLDEH/EU	AM140KNLDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	11.2	12.8	14.0
	Cooling	Btu/h	38,200	43,700	47,800
	Heating	kW	12.5	13.8	16.0
	Heating	Btu/h	42,700	47,100	54,600
Power Input (Nominal)	Cooling	kW	0.170	0.200	0.220
	Heating	kW	0.170	0.200	0.220
Current Input (Nominal)	Cooling	A	0.96	1.28	1.43
	Heating	A	0.96	1.28	1.43
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	-	-	-
	Air Flow Rate (High/Mid/Low)	l/s	520.00/483.33/450.00	566.67/533.33/500.00	600.00/566.67/533.33
	Air Flow Rate (High/Mid/Low)	m^3/h	1872/1740/1620	2040/1920/1800	2160/2040/1920
	External Static Pressure (Min/Std/Max)	mmAq	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00
	External Static Pressure (Min/Std/Max)	Pa	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52
	Liquid Pipe	Φ, inch	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	15.88	15.88	15.88
	Gas Pipe	Φ, inch	5/8"	5/8"	5/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	37/36/34	37/36/34	39/38/36
	Sound Power	dB(A)	66.0	66.0	68.0
External Dimension (Indoor Unit)	Net Weight	kg	40.5	42.0	42.0
	Shipping Weight	kg	48.0	49.5	49.5
	Net Dimensions (WxHxD)	mm	1,300 x 295 x 690	1,300 x 295 x 690	1,300 x 295 x 690
	Shipping Dimensions (WxHxD)	mm	1,575 x 370 x 835	1,575 x 370 x 835	1,575 x 370 x 835
Additional Accessories	Drain Pump		Drain Pump Included	Drain Pump Included	Drain Pump Included

VRF | Indoor Unit SPECIFICATIONS



Ducted > MSP Duct Pump excluded

Model Code			AM022FNMDEH/TK	AM028FNMDEH/TK	AM036FNMDEH/TK	AM045FNMDEH/TK
Attribute			Spec Value	Spec Value	Spec Value	Spec Value
Features	Type		MSP DUCT	MSP DUCT	MSP DUCT	MSP DUCT
Model Name	Indoor Unit		AM022FNMDEH/EU	AM028FNMDEH/EU	AM036FNMDEH/EU	AM045FNMDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Cooling	Btu/h	7,500	9,600	12,300	15,400
	Heating	kW	2.5	3.2	4.0	5.0
	Heating	Btu/h	8,500	10,900	13,600	17,100
Power Input (Nominal)	Cooling	kW	0.080	0.080	0.085	0.125
	Heating	kW	0.080	0.080	0.085	0.125
Current Input (Nominal)	Cooling	A	0.40	0.40	0.55	1.15
	Heating	A	0.40	0.40	0.55	1.15
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	69 x1	69 x1	112 x1	219 x1
	Air Flow Rate (High/Mid/Low)	l/s	141.67/125.00/105.00	166.67/153.33/125.00	200.00/170.00/146.67	233.33/200.00/175.00
	Air Flow Rate (High/Mid/Low)	m^3/h	510/450/378	600/552/450	720/612/528	840/720/630
	External Static Pressure (Min/Std/Max)	mmAq	0.00/2.00/6.00	0.00/2.00/6.00	0.00/2.00/6.00	0.00/4.00/8.00
	External Static Pressure (Min/Std/Max)	Pa	0.00/19.61/58.84	0.00/19.61/58.84	0.00/19.61/58.84	0.00/39.23/78.45
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35
	Liquid Pipe	Φ, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70
	Gas Pipe	Φ, inch	1/2"	1/2"	1/2"	1/2"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	23/21/19	24/22/19	29/27/24	32/30/28
	Sound Power	dB(A)	47.0	48.0	53.0	54.0
External Dimension (Indoor Unit)	Net Weight	kg	23.5	23.5	23.5	28.0
	Shipping Weight	kg	28.5	28.5	28.5	32.5
	Net Dimensions (WxHxD)	mm	900 x199 x 600	900 x199 x 600	900 x199 x 600	900 x 260 x 480
	Shipping Dimensions (WxHxD)	mm	1,150 x 280 x 710	1,150 x 280 x 710	1,150 x 280 x 710	1,170 x 340 x 595
Additional Accessories	Drain Pump		MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-M075SGU3D
	Drain Pump Max. Lifting Height/ Displacement		750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		Long life filter	Long life filter	Long life filter	Long life filter



Ducted > MSP Duct Pump excluded

Model Code			AM056FNMDEH/TK	AM071FNMDEH/TK	AM090FNMDEH/TK	AM112FNMDEH/TK
Attribute			Spec Value	Spec Value	Spec Value	Spec Value
Features	Type		MSP DUCT	MSP DUCT	MSP DUCT	MSP DUCT
Model Name	Indoor Unit		AM056FNMDEH/EU	AM071FNMDEH/EU	AM090FNMDEH/EU	AM112FNMDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	5.6	7.1	9.0	11.2
	Cooling	Btu/h	19,100	24,200	30,700	38,200
	Heating	kW	6.3	8.0	10.0	12.5
	Heating	Btu/h	21,500	27,300	34,100	42,700
Power Input (Nominal)	Cooling	kW	0.130	0.190	0.240	0.260
	Heating	kW	0.130	0.190	0.240	0.260
Current Input (Nominal)	Cooling	A	1.10	1.25	1.30	1.17
	Heating	A	1.10	1.25	1.30	1.17
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	124 x1	124 x1	130 x1	130 x1
	Air Flow Rate (High/Mid/Low)	l/s	241.67/216.67/191.67	308.33/283.33/258.33	325.00/300.00/275.00	450.00/416.67/383.33
	Air Flow Rate (High/Mid/Low)	m^3/h	870/780/690	1110/1020/930	1170/1080/990	1620/1500/1380
	External Static Pressure (Min/Std/Max)	mmAq	0.00/4.00/8.00	0.00/4.00/8.00	4.00/6.00/8.00	4.00/8.00/12.00
	External Static Pressure (Min/Std/Max)	Pa	0.00/39.23/78.45	0.00/39.23/78.45	39.23/58.84/78.45	39.23/78.45/117.68
Piping Connections	Liquid Pipe	Φ, mm	6.35	9.52	9.52	9.52
	Liquid Pipe	Φ, inch	1/4"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	12.70	15.88	15.88	15.88
	Gas Pipe	Φ, inch	1/2"	5/8"	5/8"	5/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low)	dB(A)	35/33/31	39/35/31	40/37/34	41/40/38
	Sound Power	dB(A)	57.0	61.0	63.0	66.0
External Dimension (Indoor Unit)	Net Weight	kg	28.0	28.0	32.0	35.5
	Shipping Weight	kg	32.5	32.5	36.0	40.5
	Net Dimensions (WxHxD)	mm	900 x 260 x 480	900 x 260 x 480	1,150 x 260 x 480	1,150 x 320 x 480
	Shipping Dimensions (WxHxD)	mm	1,170 x 340 x 595	1,170 x 340 x 595	1,420 x 340 x 595	1,420 x 400 x 595
Additional Accessories	Drain Pump		MDP-M075SGU3D	MDP-M075SGU3D	MDP-M075SGU1D	MDP-M075SGU1D
	Drain Pump Max. Lifting Height/ Displacement		750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		Long life filter	Long life filter	Long life filter	Long life filter

VRF | Indoor Unit SPECIFICATIONS



Ducted > MSP Duct Pump excluded

Model Code		AM128FNMDEH/TK	AM140FNMDEH/TK	AM160KNMDEH/TK
Attribute		Value	Value	Value
Features	Type	MSP DUCT	MSP DUCT	
Model Name	Indoor Unit	AM128FNMDEH/TK	AM140FNMDEH/TK	AM160KNMDEH/TK
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	12.80 kW	14.00 kW	16.0 kW
	Cooling [Btu/h]	43,700 Btu/h	47,800 Btu/h	- Btu/h
	Heating [kW]	13.80 kW	16.00 kW	18.0 kW
	Heating [Btu/h]	47,100 Btu/h	54,600 Btu/h	- Btu/h
Power Input (Nominal)	Cooling 1) [W]	370.00 W	410.00 W	485 W
	Heating 2) [W]	370.00 W	410.00 W	485 W
Current Input (Nominal)	Cooling 1)	1.67 A	1.86 A	2.24 A
	Heating 2)	1.67 A	1.86 A	2.24 A
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan Φ238XL230, 2EA
	Motor (Output) [W]	218 x 1 W	218 x 1 W	150 W
	Air Flow Rate (High / Mid / Low) [CMM]	32.00/30.00/28.00 CMM	37.00/34.00/31.00 CMM	43.00/38.00/30.50 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	533.33/500.00/466.67	616.67/566.67/516.67	
	External Static Pressure (Min / Std / Max) [mmAq]	4.00/8.00/14.00 mmAq	4.00/8.00/14.00 mmAq	8(4~14) mmAq
	External Static Pressure (Min / Std / Max) [Pa]	39.23/78.45/137.29 Pa	39.23/78.45/137.29 Pa	
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	41.0/40.0/38.0 dBA	42.0/39.0/36.0 dBA	43/40/36 dBA
	Sound Power	66.0 dBA	67.0 dBA	- dBA
External Dimension (Indoor Unit)	Net Weight(kg)	48.5 kg	48.5 kg	50 kg
	Shipping Weight (kg)	55.5 kg	55.5 kg	57 kg
	Net Dimensions (WxHxD) (mm)	1200 x 360 x 650 mm	1200 x 360 x 650 mm	1200*360*650 mm
Additional	Shipping Dimensions (WxHxD) (mm)	1456 x 434 x 778 mm	1456 x 434 x 778 mm	1456*434*778 mm
Accessories	Drain Pump	MDP-M075SGU2D	MDP-M075SGU2D	MDP-M075SGU2D



Ducted › MSP Duct Pump included

Model Code			AM022KNMDEH/TK	AM028KNMDEH/TK	AM036KNMDEH/TK	AM045KNMDEH/TK
Attribute			Spec Value	Spec Value	Spec Value	Spec Value
Features	Type		MSP DUCT	MSP DUCT	MSP DUCT	MSP DUCT
Model Name	Indoor Unit		AM022KNMDEH/EU	AM028KNMDEH/EU	AM036KNMDEH/EU	AM045KNMDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Cooling	Btu/h	7,500	9,600	12,300	15,400
	Heating	kW	2.5	3.2	4.0	5.0
	Heating	Btu/h	8,500	10,900	13,600	17,100
Power Input (Nominal)	Cooling	kW	0.080	0.080	0.085	0.125
	Heating	kW	0.080	0.080	0.085	0.125
Current Input (Nominal)	Cooling	A	0.40	0.40	0.55	1.15
	Heating	A	0.40	0.40	0.55	1.15
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	69 x1	69 x1	112 x1	219 x1
	Air Flow Rate (High/Mid/Low)	l/s	141.67/125.00/105.00	166.67/153.33/125.00	200.00/170.00/146.67	233.33/200.00/175.00
	Air Flow Rate (High/Mid/Low)	m^3/h	510/450/378	600/552/450	720/612/528	840/ 720/630
	External Static Pressure (Min/Std/Max)	mmAq	0.00/2.00/6.00	0.00/2.00/6.00	0.00/2.00/6.00	0.00/4.00/8.00
	External Static Pressure (Min/Std/Max)	Pa	0.00/19.61/58.84	0.00/19.61/58.84	0.00/19.61/58.84	0.00/39.23/78.45
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35
	Liquid Pipe	Φ, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70
	Gas Pipe	Φ, inch	1/2"	1/2"	1/2"	1/2"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	23/21/19	24/22/19	29/27/24	32/30/28
	Sound Power	dB(A)	47.0	48.0	53.0	54.0
External Dimension (Indoor Unit)	Net Weight	kg	24.0	24.0	24.0	28.5
	Shipping Weight	kg	29.0	29.0	29.0	33.0
	Net Dimensions (WxHxD)	mm	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	900 x 260 x 480
	Shipping Dimensions (WxHxD)	mm	1,150 x 280 x 710	1,150 x 280 x 710	1,150 x 280 x 710	1,170 x 340 x 595
Additional Accessories	Drain Pump		Drain Pump Included	Drain Pump Included	Drain Pump Included	Drain Pump Included

VRF | Indoor Unit SPECIFICATIONS



Ducted › MSP Duct Pump included

Model Code			AM056KNMDEH/TK	AM071KNMDEH/TK	AM090KNMDEH/TK	AM112KNMDEH/TK
Attribute			Spec Value	Spec Value	Spec Value	Spec Value
Features	Type		MSP DUCT	MSP DUCT	MSP DUCT	MSP DUCT
Model Name	Indoor Unit		AM056KNMDEH/EU	AM071KNMDEH/EU	AM090KNMDEH/EU	AM112KNMDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	5.6	7.1	9.0	11.2
	Cooling	Btu/h	19,100	24,200	30,700	38,200
	Heating	kW	6.3	8.0	10.0	12.5
	Heating	Btu/h	21,500	27,300	34,100	42,700
Power Input (Nominal)	Cooling	kW	0.130	0.190	0.240	0.260
	Heating	kW	0.130	0.190	0.240	0.260
Current Input (Nominal)	Cooling	A	1.10	1.25	1.30	1.17
	Heating	A	1.10	1.25	1.30	1.17
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	124 x1	124 x1	130 x1	130 x1
	Air Flow Rate (High/Mid/Low)	l/s	241.67/216.67/191.67	308.33/283.33/258.33	325.00/300.00/275.00	450.00/416.67/383.33
	Air Flow Rate (High/Mid/Low)	m^3/h	870/780/690	1110/1020/930	1170/1080/990	1620/1500/1380
	External Static Pressure (Min/Std/Max)	mmAq	0.00/4.00/8.00	0.00/4.00/8.00	4.00/6.00/8.00	4.00/8.00/12.00
	External Static Pressure (Min/Std/Max)	Pa	0.00/39.23/78.45	0.00/39.23/78.45	39.23/58.84/78.45	39.23/78.45/117.68
Piping Connections	Liquid Pipe	Φ, mm	6.35	9.52	9.52	9.52
	Liquid Pipe	Φ, inch	1/4"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	12.70	15.88	15.88	15.88
	Gas Pipe	Φ, inch	1/2"	5/8"	5/8"	5/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	35/33/31	39/35/31	40/37/34	41/40/38
	Sound Power	dB(A)	57.0	61.0	63.0	66.0
External Dimension (Indoor Unit)	Net Weight	kg	28.5	28.5	32.5	36.0
	Shipping Weight	kg	33.0	33.0	37.5	41.0
	Net Dimensions (WxHxD)	mm	900 x 260 x 480	900 x 260 x 480	1,150 x 260 x 480	1,150 x 320 x 480
	Shipping Dimensions (WxHxD)	mm	1,170 x 340 x 595	1,170 x 340 x 595	1,420 x 340 x 595	1,420 x 400 x 595
Additional Accessories	Drain Pump		Drain Pump Included	Drain Pump Included	Drain Pump Included	Drain Pump Included



Ducted > MSP Duct Pump included

Model Code		AM128KNMDEH/TK	AM140KNMDEH/TK	AM160KNMDEH1TK
Attribute		Value	Value	Value
Features	Type	MSP DUCT	MSP DUCT	MSP DUCT
Model Name	Indoor Unit	AM128KNMDEH/TK	AM140KNMDEH/TK	AM160KNMDEH1TK
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	12.80 kW	14.00 kW	16.00 kW
	Cooling [Btu/h]	43,700 Btu/h	47,800 Btu/h	54,600 Btu/h
	Heating [kW]	13.80 kW	16.00 kW	18.00 kW
	Heating [Btu/h]	47,100 Btu/h	54,600 Btu/h	61,400 Btu/h
Power Input (Nominal)	Cooling 1) [W]	370.00 W	410.00 W	485.00 W
	Heating 2) [W]	370.00 W	410.00 W	485.00 W
Current Input (Nominal)	Cooling 1)	1.67 A	1.86 A	2.24 A
	Heating 2)	1.67 A	1.86 A	2.24 A
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	218 x 1 W	218 x 1 W	370 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	32.00/30.00/28.00 CMM	37.00/34.00/31.00 CMM	43.00/38.00/30.50 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	533.33/500.00/466.67	616.67/566.67/516.67	716.67/633.33/508.33
	External Static Pressure (Min / Std / Max) [mmAq]	4.00/8.00/14.00 mmAq	4.00/8.00/14.00 mmAq	4.00/8.00/14.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	39.23/78.45/137.29 Pa	39.23/78.45/137.29 Pa	39.23/78.45/137.29 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	41.0/40.0/38.0 dBA	42.0/39.0/36.0 dBA	43.0/40.0/36.0 dBA
	Sound Power	- dBA	- dBA	69.0 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	48.5 kg	48.5 kg	50.5 kg
	Shipping Weight (kg)	57 kg	57 kg	59 kg
	Net Dimensions (WxHxD) (mm)	1200 x 360 x 650 mm	1200 x 360 x 650 mm	1200 x 360 x 650 mm
	Shipping Dimensions (WxHxD) (mm)	1480 x 420 x 790 mm	1480 x 420 x 790 mm	1480 x 420 x 790 mm
Additional Accessories	Drain Pump	Drain Pump Included	Drain Pump Included	Drain Pump Included

VRF | Indoor Unit SPECIFICATIONS



Ducted › Duct S

Model Code			AM180JNHPKH/TK	AM224JNHPKH/TK
Attribute			Value	Value
Features	Type		Big Duct	Big Duct
Model Name	Indoor Unit		AM180JNHFKH/TK	AM224JNHFKH/TK
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR
Capacity	Cooling	kW	18	22.4
	Cooling	Btu/h	61,400	76,400
	Heating	kW	20	25
	Heating	Btu/h	68,240	85,300
Power Input (Nominal)	Cooling	kW	0.34	0.53
	Heating	kW	0.34	0.53
Current Input (Nominal)	Cooling	A	1.9	2.9
	Heating	A	1.9	2.9
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor (Output)	W	630 x 1	630 x 1
	Air Flow Rate (High/Mid/Low)	l/s	966.67/833.33/716.67	1200.00/1016.67/833.33
	Air Flow Rate (High/Mid/Low)	m³/h	3480/3000/2580	4320/3660/3000
	External Static Pressure (Min/Std/Max)	mmAq	5.0/7.34/20	5.0/7.34/20
	External Static Pressure (Min/Std/Max)	Pa	49.03/71.93/196.00	49.03/71.93/196.00
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52
	Liquid Pipe	Φ, inch	3/8"	3/8"
	Gas Pipe	Φ, mm	19.05	19.05
	Gas Pipe	Φ, inch	3/4"	3/4"
	Drain Pipe	Φ, mm	VP25 (OD25,ID 20)	VP25 (OD25,ID 20)
Field Wiring	Power Source Wire	mm²	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm²	0.75 ~1.5	0.75 ~1.5
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	43/39/35	44/40/36
	Sound Power	dB(A)	80	81
External Dimension (Indoor Unit)	Net Weight	kg	82.5	82.5
	Shipping Weight	kg	92	92
	Net Dimensions (WxHxD)	mm	1,350x 910 x 450	1,350x 910 x 450
	Shipping Dimensions (WxHxD)	mm	1,612 x 984 x 519	1,612 x 984 x 519
Additional Accessories	Drain Pump		MDP-G075SP, MDP-G075SQ	MDP-G075SP, MDP-G075SQ
	Drain Pump Max. Lifting Height/ Displacement		750/24	750/24
	Air Filter		-	-



Ducted › HSP Duct

Model Code			AM112FNHDEH/TK	AM128FNHDEH/TK	AM140FNHDEH/TK	AM220FNHDEH/TK	AM280FNHDEH/TK
Attribute			Spec Value	Spec Value	Spec Value	Value	Value
Features	Type		DUCT S	DUCT S	DUCT S	HSP DUCT	HSP DUCT
Model Name	Indoor Unit		AM112FNHDEH/TK	AM128FNHDEH/TK	AM140FNHDEH/TK	AM220FNHDEH/TK	AM280FNHDEH/TK
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	kW	11.2	12.8	14.0	22.4	28
	Cooling	Btu/h	38,200	43,700	47,800	76,400	95,500
	Heating	kW	12.5	13.8	16.0	25	31.5
	Heating	Btu/h	42,700	47,100	54,600	85,300	107,500
Power Input (Nominal)	Cooling	kW	0.205	0.230	0.260	0.53	0.79
	Heating	kW	0.205	0.230	0.260	0.53	0.79
Current Input (Nominal)	Cooling	A	1.20	1.40	1.50	3.8	5.9
	Heating	A	1.20	1.40	1.50	3.8	5.9
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	350 x1	350 x1	350 x1	400 x1	400 x1
	Air Flow Rate (High/Mid/Low)	l/s	583.33/483.33/366.67	633.33/533.33/416.67	700.00/566.67/416.67	966.67/866.67/ 783.33	1,200.00/1,083.33/966.67
	Air Flow Rate (High/Mid/Low)	m^3/h	2100/1740/1320	2280/1920/1500	2520/2040/1500	3480/3120/2820	4320/3900/3480
	External Static Pressure (Min/Std/Max)	mmAq	3.00/6.20/20.00	3.00/6.20/20.00	3.00/6.20/20.00	5.00/15.00/25.00	5.00/15.00/28.00
	External Static Pressure (Min/Std/Max)	Pa	29.42/60.80/196.13	29.42/60.80/196.13	29.42/60.80/196.13	49.03/147.10/245.17	49.03/147.10/274.59
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52	9.52
	Liquid Pipe	Φ, inch	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	15.88	15.88	15.88	19.05	22.22
	Gas Pipe	Φ, inch	5/8"	5/8"	5/8"	3/4"	7/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.5	0.75 ~1.5	0.75 ~1.5	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	38/35/32	39/36/33	40/37/34	45/43/41	48/46/43
	Sound Power	dB(A)	63.0	63.0	65.0	76	79
External Dimension (Indoor Unit)	Net Weight	kg	46.5	46.5	46.5	89	89
	Shipping Weight	kg	52.5	52.5	52.5	99	99
	Net Dimensions (WxHxD)	mm	1,300 x 300 x 700	1,300 x 300 x 700	1,300 x 300 x 700	1,240 x 470 x1,040	1,240 x 470 x1,040
	Shipping Dimensions (WxHxD)	mm	1,529 x 370 x 779	1,529 x 370 x 779	1,529 x 370 x 779	1,507 x 558 x1,155	1,507 x 558 x1,155
Additional Accessories	Drain Pump		MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-N047SNC1D	MDP-N047SNC1D
	Drain Pump Max. Lifting Height/ Displacement		750/24	750/24	750/24	750/24	750/24
	Air Filter		Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	-	-

VRF | Indoor Unit SPECIFICATIONS



Wall Mounted › WindFree

Model Code		AM015TNVDKH/TK	AM022TNVDKH/TK	AM028TNVDKH/TK
Attribute		Value	Value	Value
Features	Type	QMD RAC (Wind free)	QMD RAC (Wind free)	QMD RAC (Wind free)
Model Name	Indoor Unit	AM015TNVDKH/TK	AM022TNVDKH/TK	AM028TNVDKH/TK
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	1.5 kW	2.2 kW	2.8 kW
	Heating [kW]	1.7 kW	2.5 kW	3.2 kW
Power Input (Nominal)	Cooling 1) [W]	0.020 W	0.024 W	0.030 W
	Heating 2) [W]	0.020 W	0.024 W	0.030 W
Current Input (Nominal)	Cooling 1)	0.13 A	0.16 A	0.20 A
	Heating 2)	0.13 A	0.16 A	0.20 A
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	27 W	27 W	27 W
	Number of Unit (EA)	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	4.9/4.5/4.1 CMM	5.7/5.0/4.5 CMM	8.5/7.7/6.9 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	81.7/75.0/68.3	95.0/83.3/75.0	141.7/128.3/115.0
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.7 mm	12.7 mm	12.7 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	1/2"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	31/30/27/26(Wind free) dBA	34/32/30/27(Wind free) dBA	34/33/32/26(Wind free) dBA
	Sound Power	50 dBA	51 dBA	52 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	9.0 kg	9.0 kg	9.5 kg
	Shipping Weight (kg)	10.5 kg	10.5 kg	11.0 kg
	Net Dimensions (WxHxD) (mm)	820x299x215 mm	820x299x215 mm	820x299x215 mm
	Shipping Dimensions (WxHxD) (mm)	880x290x375 mm	880x290x375 mm	880x290x375 mm
Smart	WiFi Kit	N/A	N/A	N/A
App Connectivity	SmartThings App Support	N/A	N/A	N/A



Wall Mounted › WindFree

AM036TNVDKH/TK	AM045TNVDKH/TK	AM056TNVDKH/TK	AM071TNVDKH/TK	AM082TNVDKH/TK
Value	Value	Value	Value	Value
QMD RAC (Wind free)	QMD RAC (Wind free)	QMD RAC (Wind free)	QMD RAC (Wind free)	QMD RAC (Wind free)
AM036TNVDKH/TK	AM045TNVDKH/TK	AM056TNVDKH/TK	AM071TNVDKH/TK	AM082TNVDKH/TK
1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz
HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
3.6 kW	4.5 kW	5.6 kW	6.8 kW	8.2 kW
4.0 kW	5.0 kW	6.3 kW	7.0 kW	8.5 kW
0.037 W	0.040 W	0.052 W	0.060 W	0.065 W
0.037 W	0.040 W	0.052 W	0.060 W	0.065 W
0.25 A	0.27 A	0.35 A	0.40 A	0.43 A
0.25 A	0.27 A	0.35 A	0.40 A	0.43 A
Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
27 W	27 W	27 W	27 W	27 W
1 EA	1 EA	1 EA	1 EA	1 EA
10.3/9.1/8.3 CMM	12.5/11.4/10.5 CMM	15.7/13.8/12.0 CMM	16.8/15.0/13.2 CMM	17.5/15.6/13.8 CMM
171.7/151.7/138.3	208.3/190.0/175.0	261.7/230.0/200.0	280.0/250.0/220.0	291.7/260.0/230.0
6.35 mm	6.35 mm	6.35 mm	9.52 mm	9.52 mm
1/4"	1/4"	1/4"	3/8"	3/8"
12.7 mm	12.7 mm	12.7 mm	15.88 mm	15.88 mm
1/2"	1/2"	1/2"	5/8"	5/8"
ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm
1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
R410A	R410A	R410A	R410A	R410A
EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
40/36/34/26(Wind free) dBA	37/34/33/29(Wind free) dBA	40/37/34/29(Wind free) dBA	43/40/37/29(Wind free) dBA	46/45/43/30(Wind free) dBA
56 dBA	55 dBA	58 dBA	62 dBA	64 dBA
9.5 kg	12.0 kg	12.0 kg	12.0 kg	13.0 kg
11.0 kg	14.0 kg	14.0 kg	14.0 kg	15.0 kg
820x299x215 mm	1055x299x215 mm	1055x299x215 mm	1055x299x215 mm	1055x299x215 mm
880x290x375 mm	1115x290x375 mm	1115x290x375 mm	1115x290x375 mm	1115x290x375 mm
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A

VRF | Indoor Unit SPECIFICATIONS



Wall Mounted › S-Inverter

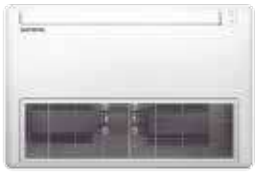
Model Code		AM015TNQDKH/TK	AM022TNQDKH/TK	AM028TNQDKH/TK
Attribute		Value	Value	Value
Features	Type	QMD RAC	QMD RAC	QMD RAC
Model Name	Indoor Unit	AM015TNQDKH/TK	AM022TNQDKH/TK	AM028TNQDKH/TK
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	1.5 kW	2.2 kW	2.8 kW
	Heating [kW]	1.7 kW	2.5 kW	3.2 kW
Power Input (Nominal)	Cooling 1) [W]	0.020 W	0.024 W	0.030 W
	Heating 2) [W]	0.020 W	0.024 W	0.030 W
Current Input (Nominal)	Cooling 1)	0.13 A	0.16 A	0.20 A
	Heating 2)	0.13 A	0.16 A	0.20 A
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	27 W	27 W	27 W
	Number of Unit (EA)	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	4.9/4.5/4.1 CMM	5.7/5.0/4.5 CMM	8.5/7.7/6.9 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	81.7/75.0/68.3	95.0/83.3/75.0	141.7/128.3/115.0
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.7 mm	12.7 mm	12.7 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	1/2"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	32/31/29 dBA	34/32/29 dBA	36/35/33 dBA
	Sound Power	50 dBA	51 dBA	53 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	9.0 kg	9.0 kg	9.5 kg
	Shipping Weight (kg)	10.5 kg	10.5 kg	11.0 kg
	Net Dimensions (WxHxD) (mm)	820x299x215 mm	820x299x215 mm	820x299x215 mm
	Shipping Dimensions (WxHxD) (mm)	880x290x375 mm	880x290x375 mm	880x290x375 mm
Smart	WiFi Kit	N/A	N/A	N/A
App Connectivity	SmartThings App Support	N/A	N/A	N/A



Wall Mounted › S-Inverter

AM036TNQDKH/TK	AM045TNQDKH/TK	AM056TNQDKH/TK	AM071TNQDKH/TK	AM082TNQDKH/TK
Value	Value	Value	Value	Value
QMD RAC	QMD RAC	QMD RAC	QMD RAC	QMD RAC
AM036TNQDKH/TK	AM045TNQDKH/TK	AM056TNQDKH/TK	AM071TNQDKH/TK	AM082TNQDKH/TK
1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz	1, 220~240V, 50/60Hz
HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
3.6 kW	4.5 kW	5.6 kW	6.8 kW	8.2 kW
4.0 kW	5.0 kW	6.3 kW	7.0 kW	8.5 kW
0.037 W	0.040 W	0.052 W	0.060 W	0.065 W
0.037 W	0.040 W	0.052 W	0.060 W	0.065 W
0.25 A	0.27 A	0.35 A	0.40 A	0.43 A
0.25 A	0.27 A	0.35 A	0.40 A	0.43 A
Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
27 W	27 W	27 W	27 W	27 W
1 EA	1 EA	1 EA	1 EA	1 EA
10.3/9.1/8.3 CMM	12.5/11.4/10.5 CMM	15.7/13.8/12.0 CMM	16.8/15.0/13.2 CMM	17.5/15.6/13.8 CMM
171.7/151.7/138.3	208.3/190.0/175.0	261.7/230.0/200.0	280.0/250.0/220.0	291.7/260.0/230.0
6.35 mm	6.35 mm	6.35 mm	9.52 mm	9.52 mm
1/4"	1/4"	1/4"	3/8"	3/8"
12.7 mm	12.7 mm	12.7 mm	15.88 mm	15.88 mm
1/2"	1/2"	1/2"	5/8"	5/8"
ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm
1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
R410A	R410A	R410A	R410A	R410A
EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
41/37/34 dBA	38/36/34 dBA	42/38/35 dBA	45/42/38 dBA	47/46/44 dBA
57 dBA	55 dBA	59 dBA	62 dBA	64 dBA
9.5 kg	12.0 kg	12.0 kg	12.0 kg	13.0 kg
11.0 kg	14.0 kg	14.0 kg	14.0 kg	15.0 kg
820x299x215 mm	1055x299x215 mm	1055x299x215 mm	1055x299x215 mm	1055x299x215 mm
880x290x375 mm	1115x290x375 mm	1115x290x375 mm	1115x290x375 mm	1115x290x375 mm
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A

VRF | Indoor Unit SPECIFICATIONS



Ceiling › Convertible

Model Code			AM056FNCDEH/TK	AM071FNCDEH/TK
Attribute			Spec Value	Spec Value
Features	Type		CEILING	CEILING
Model Name	Indoor Unit		AM056FNCDEH/EU	AM071FNCDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR
Capacity	Cooling	kW	5.6	7.1
	Cooling	Btu/h	19,100	24,200
	Heating	kW	6.3	8.0
	Heating	Btu/h	21,500	27,300
Power Input (Nominal)	Cooling	kW	0.072	0.080
	Heating	kW	0.072	0.077
Current Input (Nominal)	Cooling	A	0.33	0.35
	Heating	A	0.28	0.29
Fan	Type	-	Sirocco Fan	Sirocco Fan
	Motor (Output)	W	60 x1	120 x1
	Air Flow Rate (High/Mid/Low)	l/s	233.33/216.67/200.00	300.00/275.00/250.00
	Air Flow Rate (High/Mid/Low)	m^3/h	840/780/720	1080/990/900
Piping Connections	Liquid Pipe	Φ, mm	6.35	9.52
	Liquid Pipe	Φ, inch	1/4"	3/8"
	Gas Pipe	Φ, mm	12.70	15.88
	Gas Pipe	Φ, inch	1/2"	5/8"
	Drain Pipe	Φ, mm	ID18 HOSE	ID18 HOSE
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~1.50	0.75 ~1.50
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	40/37/34	44/42/40
	Sound Power	dB(A)	60 .0	63 .0
External Dimension (Indoor Unit)	Net Weight	kg	21.0	21.0
	Shipping Weight	kg	25.5	25.5
	Net Dimensions (WxHxD)	mm	1,000 x 650 x 200	1,000 x 650 x 200
	Shipping Dimensions (WxHxD)	mm	1,080 x 730 x 300	1,080 x 730 x 300



Floor Standing › Console

Model Code			AM028FNJDEH/TK	AM036FNJDEH/TK
Attribute			Spec Value	Spec Value
Features	Type		CONSOLE	CONSOLE
Model Name	Indoor Unit		AM028FNJDEH/EU	AM036FNJDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
System	Mode	-	HP/HR	HP/HR
Capacity	Cooling	kW	2.8	3.6
	Cooling	Btu/h	9,600	12,300
	Heating	kW	3.2	4.0
	Heating	Btu/h	10,900	13,600
Power Input (Nominal)	Cooling	kW	0.030	0.035
	Heating	kW	0.030	0.035
Current Input (Nominal)	Cooling	A	0.25	0.29
	Heating	A	0.25	0.29
Fan	Type	-	Turbo Fan	Turbo Fan
	Motor (Output)	W	37 x1	37 x1
	Air Flow Rate (High/Mid/Low)	l/s	116.67/100.00/83.33	141.67/125.00/108.33
	Air Flow Rate (High/Mid/Low)	m^3/h	420/360/300	510/450/390
	External Static Pressure (Min/Std/Max)	mmAq	-	-
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35
	Liquid Pipe	Φ, inch	1/4"	1/4"
	Gas Pipe	Φ, mm	12.70	12.70
	Gas Pipe	Φ, inch	1/2"	1/2"
	Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	38/36/34	39/37/34
	Sound Power	dB(A)	58.0	59.0
External Dimension (Indoor Unit)	Net Weight	kg	16.0	16.0
	Shipping Weight	kg	21.0	21.0
	Net Dimensions (WxHxD)	mm	720 x 620 x 199	720 x 620 x 199
	Shipping Dimensions (WxHxD)	mm	810 x 710 x 295	810 x 710 x 295

VRF | Indoor Unit SPECIFICATIONS



Floor Standing › Console

Model Code			AM056FNJDEH/TK
Attribute			Spec Value
Features	Type		CONSOLE
Model Name	Indoor Unit		AM056FNJDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50
System	Mode	-	HP/HR
Capacity	Cooling	kW	5.6
	Cooling	Btu/h	19,100
	Heating	kW	6.3
	Heating	Btu/h	21,500
Power Input (Nominal)	Cooling	kW	0.062
	Heating	kW	0.062
Current Input (Nominal)	Cooling	A	0.49
	Heating	A	0.49
Fan	Type	-	Turbo Fan
	Motor (Output)	W	37 x 1
	Air Flow Rate (High/Mid/Low)	l/s	216.67/191.67/166.67
	Air Flow Rate (High/Mid/Low)	m^3/h	780/690/600
	External Static Pressure (Min/Std/Max)	mmAq	-
Piping Connections	Liquid Pipe	Φ, mm	6.35
	Liquid Pipe	Φ, inch	1/4"
	Gas Pipe	Φ, mm	12.7
	Gas Pipe	Φ, inch	1/2"
	Drain Pipe	Φ, mm	ID 18 HOSE
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~ 1.50
Refrigerant	Type	-	R410A
	Control Method	-	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low)	dB(A)	43/40/37
	Sound Power	dB(A)	64
External Dimension (Indoor Unit)	Net Weight	kg	16
	Shipping Weight	kg	21
	Net Dimensions (WxHxD)	mm	720 x 620 x 199
	Shipping Dimensions (WxHxD)	mm	810 x 710 x 295

PAC





Model Code		AM140JNPDKH	AM280JNPDKH/
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	14	28
	Cooling [Btu/hr]	47,800	95,500
	Heating [Btu/hr]	54,600	107,500
Power Input	Cooling [kW]	190	955
Current Input	Cooling [A]	0.9	4.73
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor	154	700
	Air Flow Rate [CMM]	35.00 / 30.50 / 27.50	70.00 / 60.00 / 50.00
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	22.22
	Drain Pipe [Ø, mm]	ID18 Hose	VP25 (OD 32, ID 25)
Refrigerant	Control Method	EEV Included	EEV Included
Sound	Sound Pressure [dB(A)]	54 / 47	58 / 54
External Dimension (Outdoor Unit)	Net Weight [kg]	48.0	115.0
	Net Dimensions (WxHxD) [mm]	650 x 1,850 x 400	1,100 x 1,800 x 485

VRF | Indoor Unit SPECIFICATIONS



Ventilation › ERV Plus

Model Code			AM050FNKDEH/TK	AM100FNKDEH/TK
Attribute			Spec Value	Spec Value
Features	Type		ERV PLUS	ERV PLUS
Model Name	Indoor Unit		AM050FNKDEH/EU	AM100FNKDEH/EU
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
System	Mode		HP/HR	HP/HR
Capacity	Cooling	kW	5.1	10.5
	Cooling	Btu/h	17,400	35,800
	Heating	kW	6.5	13.2
	Heating	Btu/h	22,200	45,000
Power Input (Nominal)	Cooling	kW	0.220	0.510
	Heating	kW	0.220	0.510
Current Input (Nominal)	Cooling	A	1.70	3.70
	Heating	A	1.70	3.70
Fan	Type		Sirroco Fan / BLDC	Sirroco Fan / BLDC
	Motor (Output)	W	60 x 2	70 x 2
	Air Flow Rate (High/Mid/Low)	l/s	138.83/138.83/100.00	277.83/277.83/191.67
	Air Flow Rate (High/Mid/Low)	m^3/h	500/500/360	1000/1000/690
	External Static Pressure (Min/Std/Max)	mmAq	8.70/10.20/16.32	7.60/9.20/15.30
	External Static Pressure (Min/Std/Max)	Pa	85.32/100.03/160.04	74.53/90.22/150.04
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35
	Liquid Pipe	Φ, inch	1/4"	1/4"
	Gas Pipe	Φ, mm	12.70	12.70
	Gas Pipe	Φ, inch	1/2"	1/2"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	36/32/28	36/33/31
	Sound Power	dB(A)	67.0	67.0
External Dimension (Indoor Unit)	Net Weight	kg	61.0	90.0
	Shipping Weight	kg	75.2	107.5
	Net Dimensions (WxHxD)	mm	1,553 x 270 x 1,000	1,763 x 340 x 1,135
	Shipping Dimensions (WxHxD)	mm	1,847 x 349 x 1,300	2,027 x 428 x 1,424



- Damper
- Dust Filter
- Control Box
- CO2 Sensor (Optional)
- Energi Saving Operation (Auto Mode)
- Flexible Installation
- Silent Operation
- Supply/Exhaust Fan
- Heat Exchanger Element
- Temperature Sensor
- BLDC Fan Motor
- New Diamond Type Element
- Slim Design
- Virus Doctor (Optional)

Ventilation › ERV Standard

Model Code		AN026JSKLKN/EU	AN035JSKLKN/EU
Attribute		Value	Value
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
Temperature Exchange Rate	Cooling	70.00%	70.00%
	Heating	74.00%	78.00%
Enthalpy Exchange Rate	Heating	50.00%	50.00%
	Cooling	70.00%	70.00%
Power Input (Nominal)		115	115
Current Input (Nominal)		0.70 A	0.70 A
Fan	Air Flow Rate (High / Mid / Low) [CMH]	260 / 250 / 180 CMH	350 / 350 / 260 CMH
	External Static Pressure (Min / Std / Max) [Pa]	45 / 80 / 100 Pa	85 / 100 / 155 Pa
External Dimension (Indoor Unit)	Net Weight(kg)	28.5 kg	42.50 kg
	Net Dimensions (WxHxD) (mm)	600 x 350 x 660 mm	1012 x 270 x 1000 mm

Model Code		AN050JSKLKN/EU	AN080JSKLKN/EU	AN100JSKLKN/EU
Attribute		Value	Value	Value
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Temperature Exchange Rate	Cooling	70.00%	70.00%	70.00%
	Heating	74.00%	77.00%	74.00%
Enthalpy Exchange Rate	Heating	50.00%	50.00%	50.00%
	Cooling	70.00%	70.00%	70.00%
Power Input (Nominal)		175.00W	330.00W	450.00W
Current Input (Nominal)		1.10 A	2.10 A	2.90 A
Fan	Air Flow Rate (High / Mid / Low) [CMH]	500 / 500 / 360 CMH	800 / 800 / 560 CMH	1000 / 1000 / 690 CMH
	External Static Pressure (Min / Std / Max) [Pa]	85 / 100 / 165 Pa	80 / 90 / 155 Pa	75 / 90 / 155 Pa
External Dimension (Indoor Unit)	Net Weight(kg)	42.50 kg	67.00 kg	67.00 kg
	Net Dimensions (WxHxD) (mm)	1012 x 270 x 1000 mm	1220 x 340 x 1135 mm	1220 x 340 x 1135 mm

VRF | Indoor Unit SPECIFICATIONS



Ventilation › OAP Duct

Model Code			AM140MNEPEH/TK	AM220MNEPEH/TK	AM280MNEPEH/TK
Attribute			Spec Value	Value	Value
Features	Type		Fresh Air Duct	Fresh Air Duct	Fresh Air Duct
Model Name	Indoor Unit		AM140MNEPEH	AM220MNEPEH	AM280MNEPEH
Power Supply (Indoor Unit)		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode		HP	HP	HP
Capacity	Cooling	kW	14.0	22.4	28.0
	Cooling	Btu/h	N/A	N/A	N/A
	Heating	kW	8.9	13.9	17.4
	Heating	Btu/h	N/A	N/A	N/A
Power Input (Nominal)	Cooling	kW	0.300	0.45	0.6
	Heating	kW	0.300	0.45	0.6
Current Input (Nominal)	Cooling	A	2.20	3.5	4.6
	Heating	A	2.20	3.5	4.6
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High/Mid/Low)	l/s	300.00	466.67	583.33
	Air Flow Rate (High/Mid/Low)	m^3/h	1080	1680	2100
	External Static Pressure (Min/Std/Max)	mmAq	15/20/25	18/23/29	20/25/30
	External Static Pressure (Min/Std/Max)	Pa	147.10/196.13/245.17	176.52/225.55/284.39	196.13/245.17/294.20
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52
	Liquid Pipe	Φ, inch	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	15.88	19.05	22.22
	Gas Pipe	Φ, inch	5/8"	3/4"	7/8"
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	mm^2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm^2	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High/Mid/Low)	dB(A)	42	46	47
	Sound Power	dB(A)	65.0	66	69
External Dimension (Indoor Unit)	Net Weight	kg	49.0	81.5	81.5
	Shipping Weight	kg	56.0	90.5	90.5
	Net Dimensions (WxHxD)	mm	1,210 x 370 x 656	1,360 x 460 x 910	1,360 x 460 x 910
	Shipping Dimensions (WxHxD)	mm	1,456 x 778 x 434	1,612 x 519 x 984	1,612 x 519 x 984
Additional Accessories	Drain Pump	-	MDP-M075SGU2D	MDP-G075SP(Outer)	MDP-G075SP(Outer)

MULTI SPLIT

MULTI SPLIT | Outdoor Unit SPECIFICATIONS



FJM

Model Code		AJ050TXJ2KC/EA	AJ058TXJ3KC/EA
Attribute		Value	Value
Features	Type	FREE JOINT MULTI	FREE JOINT MULTI
Model Name	Outdoor Unit	AJ050TXJ2KC/EA	AJ058TXJ3KC/EA
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220~240,50/60	1,2,220~240,50/60
System	Mode	COOLING ONLY	COOLING ONLY
Capacity	Cooling [kW]	5.0 kW	5.8 kW
	Cooling [Btu/h]	17,100 Btu/h	19,700 Btu/h
Power Input (Nominal)	Cooling 1)	1,47 kW	1.42 kW
Current Input (Nominal)	Cooling 1)	6.7 A	6.5 A
Power	MCA [A]	11.9 A	15.2 A
	MFA [A]	13.8 A	17.5 A
Energy Efficiency	EER (Nominal Cooling)	3.4	4.08
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Output(kW)	4.57 x 1 kW	5.92 x 1 kW
	Model	UG9TK3150FE4	UG4T200FUAE4
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	500 cc	650 cc
Fan	Type	Propeller Fan	Propeller Fan
	Motor (Output) [W]	40 W	125 W
	Air Flow Rate (High / Mid / Low) [CMM]	36.8 CMM	38.0 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	613 L/S	633 L/S
Piping Connections	Liquid Pipe (Ø,mm x EA)	6.35 x 2	6.35 x 3
	Liquid Pipe (Ø,inch x EA)	1/4 x 2	1/4 x 3
	Gas Pipe (Ø,mm x EA)	9.52 + 12.70	9.52 x 2 + 12.70
	Gas Pipe (Ø,inch x EA)	3/8 + 1/2	3/8 x 2 + 1/2
	Installation Max. Length [m]	30 m	50 m
	Installation Max. Height [m]	15 m	15 m
Field Wiring	Power Source Wire	2.5 ~ 2.5	2.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A	R410A
	Factory Charging (kg)	1.6 kg	1.9 kg
	Factory Charging (tCO2e)	3.34 tCO2e	4.59 tCO2e
Sound	Sound Pressure	46 dBA	46 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	34.5 kg	46.5 kg
	Shipping Weight (kg)	37.0 kg	49.5 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	880 x 638 x 310 mm
	Shipping Dimensions (WxHxD) (mm)	913 x 622 x 371 mm	1,023 x 742 x 413 mm
Operating Temp. Range	Cooling (°C)	10.0 ~ 46.0 °C	10.0 ~ 46.0 °C
Smart	WiFi Kit	N/A	N/A
App Connectivity	SmartThings App Support	N/A	N/A

FJM





AJ080TXJ4KC/EA	AJ100TXJ5KC/EA	AJ140TXJ5KC/EA
Value	Value	Value
FREE JOINT MULTI	FREE JOINT MULTI	FREE JOINT MULTI
AJ080TXJ4KC/EA	AJ100TXJ5KC/EA	AJ140TXJ5KC/EA
1,2,220~240,50/60	1,2,220~240,50/60	1,2,220~240,50/60
COOLING ONLY	COOLING ONLY	COOLING ONLY
8.0 kW	10.0 kW	14.0 kW
27,300 Btu/h	34,100 Btu/h	47.700 Btu/h
2,28 kW	2.73 kW	4.32 kW
10.4 A	12.5 A	19.7 A
18.2 A	25.0 A	34.0 A
20.8 A	28.8 A	40.0 A
3.51	3.66	3.24
Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
7.77 x 1 kW	9.17 x 1 kW	10.01 x 1 kW
G8T260FUAEW	UG8T300FUBJU	KTF310D43UMT
POE	PVE	ESTER OIL VG74
700 cc	1200 cc	1000 cc
Propeller Fan	Propeller Fan	Propeller Fan
125 W	125 W	125 W
55.4 CMM	72.7 CMM	110.0 CMM
923 L/S	1,212 L/S	1,833 L/S
6.35 x 4	6.35 x 5	6.35 x 5
1/4 x 4	1/4 x 5	1/4 x 5
9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 3	9.52 x 2 + 12.70 x 3
3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 3	3/8 x 2 + 1/2 x 3
70 m	70 m	70 m
15 m	15 m	15 m
2.5 ~ 2.5	4.0 ~ 4.0	4.0 ~ 4.0
0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
R410A	R410A	R410A
2.6 kg	3.3 kg	3.8 kg
5.85 tCO2e	6.89 tCO2e	7.93 tCO2e
48 dBA	52 dBA	52 dBA
56.0 kg	75.5 kg	86.5 kg
60.5 kg	81.5 kg	98.0 kg
880 x 798 x 310 mm	940 x 998 x 330 mm	940 x 1,210 x 330 mm
1,023 x 896 x 413 mm	995 x 1,096 x 426 mm	1,093 x 1,388 x 426 mm
10.0 ~ 46.0 ℃	10.0 ~ 46.0 ℃	10.0 ~ 46.0 ℃
N/A	N/A	N/A
N/A	N/A	N/A

MULTI SPLIT | Indoor Unit SPECIFICATIONS



FJM Duct

Model Code		AJ035TNLDKH/EA	AJ052TNLDKH/EA	AJ071TNLDKH/EA
Attribute		Value	Value	Value
Features	Type	Home Duct	Home Duct	Home Duct
Model Name	Indoor Unit	AJ035TNLDKH/EA	AJ052TNLDKH/EA	AJ071TNLDKH/EA
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP	HP	HP
Capacity	Cooling [kW]	3.5 kW	5.2 kW	7.1 kW
	Cooling [Btu/h]	11,900 Btu/h	17,700 Btu/h	24,200 Btu/h
	Heating [kW]	3.8 kW	5.6 kW	8.0 kW
	Heating [Btu/h]	13,000 Btu/h	19,100 Btu/h	27,300 Btu/h
Power Input (Nominal)	Cooling 1) [W]	40 W	50 W	115 W
	Heating 2) [W]	40 W	50 W	115 W
Current Input (Nominal)	Cooling 1)	0.4 A	0.45 A	1.1 A
	Heating 2)	0.4 A	0.45 A	1.1 A
Fan	Type	Sirroco Fan / BLDC	Sirroco Fan / SSR	Sirroco Fan / SSR
	Motor (Output) [W]	69 x 1 W	84 x 1 W	84 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	9.5 / 7.9 / 6.2 CMM	14.0 / 9.8 / 5.4 CMM	20.5 / 17.0 / 14.0 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	158 / 130 / 103	233 / 163 / 90	342 / 283 / 233
	External Static Pressure (Min / Std / Max) [mmAq]	0 / 1 / 3 mmAq	0 / 2 / 5.1 mmAq	0 / 2 / 5.1 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0 / 19.6 / 39.2 Pa	0 / 19.6 / 50.0 Pa	0 / 19.6 / 50.0 Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	4-Jan	4-Jan	4-Jan
	Gas Pipe (Φ, mm)	9.52 mm	12.7 mm	15.88 mm
	Gas Pipe (Φ, inch)	8-Mar	2-Jan	8-May
	Drain Pipe (Φ,mm)	VP25 (OD 32, ID 25) mm	VP25 (OD 32, ID 25) mm	VP25 (OD 32, ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	33 / 28 / 23 dBA	33 / 29 / 23 dBA	39 / 36 / 32 dBA
	Sound Power	50 dBA	50 dBA	56 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	14.8 kg	18.9 kg	22.0 kg
	Shipping Weight (kg)	17.7 kg	21.8 kg	25.5 kg
	Net Dimensions (WxHxD) (mm)	700 x 199 x 440 mm	900 x 199 x 440 mm	1,100 x 199 x 440 mm
	Shipping Dimensions (WxHxD) (mm)	949 x 280 x 544 mm	1,151 x 280 x 544 mm	1,351 x 280 x 544 mm
Additional Accessories	Air Filter	Removable / Washable	Removable / Washable	Removable / Washable
Smart	WiFi Kit	N/A	N/A	N/A
App Connectivity	SmartThings App Support	N/A	N/A	N/A



FJM 1Way Cassette

Model Code		AJ026TN1DKH/EA	AJ035TN1DKH/EA
Attribute		Value	Value
Features	Type	Wind-Free Slim 1-way	Wind-Free Slim 1-way
Model Name	Indoor Unit	AJ026TN1DKH/EA	AJ035TN1DKH/EA
Power Supply (Indoor Unit) [Φ , #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
System	Mode	HP	HP
Capacity	Cooling [kW]	2.6 kW	3.5 kW
	Cooling [Btu/h]	8,900 Btu/h	11,900 Btu/h
	Heating [kW]	2.9 kW	3.8 kW
	Heating [Btu/h]	9,900 Btu/h	13,000 Btu/h
Power Input (Nominal)	Cooling 1) [W]	30 W	30 W
	Heating 2) [W]	30 W	30 W
Current Input (Nominal)	Cooling 1)	0.3 A	0.3 A
	Heating 2)	0.3 A	0.3 A
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	27 x 1 W	27 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	7.3/6.5/5.8 CMM	9.0/8.2/7.2 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	122/108/97	150/137/120
Piping Connections	Liquid Pipe (Φ , mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ , inch)	1/4"	1/4"
	Gas Pipe (Φ , mm)	9.52 mm	9.52 mm
	Gas Pipe (Φ , inch)	3/8"	3/8"
	Drain Pipe (Φ ,mm)	VP20 (OD 25,ID 20) mm	VP20 (OD 25,ID 20) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A	R410A
	Control Method	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	32 / 29 / 26 dBA	37 / 35 / 30 dBA
	Sound Power	50 dBA	55 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	9.5 kg	9.5 kg
	Shipping Weight (kg)	12.5 kg	12.5 kg
	Net Dimensions (WxHxD) (mm)	970 x 135 x 410 mm	970 x 135 x 410 mm
	Shipping Dimensions (WxHxD) (mm)	1173 x 231 x 487 mm	1173 x 231 x 487 mm
Panel Size	Panel model	PC1NWFMAN	PC1NWFMAN
	Panel Net Weight (kg)	4.3 kg	4.3 kg
	Shipping Weight (kg)	6.3 kg	6.3 kg
	Net Dimensions (WxHxD) (mm)	1198 x 35 x 500 mm	1198 x 35 x 500 mm
	Shipping Dimensions (WxHxD) (mm)	1262 x 122 x 566 mm	1262 x 122 x 566 mm
Additional Accessories	Drain Pump	Built in	Built in
	Drain Pump Max. Lifting Height/Displacement	750/24	750/24
	Air Filter	Option	Option
Smart	WiFi Kit	N/A	N/A
App Connectivity	SmartThings App Support	N/A	N/A

MULTI SPLIT | Indoor Unit SPECIFICATIONS



FJM Wall Mounted S-Inverter

Model Code		AJ020TNTDKH/EA	AJ025TNTDKH/EA
Attribute		Value	Value
Features	Type	FREE JOINT MULTI	FREE JOINT MULTI
Model Name	Indoor Unit	AJ020TNTDKH/EA	AJ025TNTDKH/EA
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
System	Mode	HP	HP
Capacity	Cooling [kW]	2.0 kW	2.5 kW
	Cooling [Btu/h]	6,800 Btu/h	8,500 Btu/h
	Heating [kW]	2.2 kW	3.2 kW
	Heating [Btu/h]	7,500 Btu/h	10,900 Btu/h
Power Input (Nominal)	Cooling 1) [W]	30 W	30 W
	Heating 2) [W]	30 W	30 W
Current Input (Nominal)	Cooling 1)	0.3 A	0.3 A
	Heating 2)	0.3 A	0.3 A
Fan	Type	Cross Flow	Cross Flow
	Motor (Output) [W]	27 x 1 W	27 x 1 W
	Air Flow Rate(High/Mid/Low)[L/S]	Cooling : 177 / 168 / 158 / 142	Cooling : 185 / 177 / 158 / 142
Piping Connections	Liquid Pipe (Φ , mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ , inch)	4-Jan	4-Jan
	Gas Pipe (Φ , mm)	9.52 mm	9.52 mm
	Gas Pipe (Φ , inch)	8-Mar	8-Mar
	Drain Pipe (Φ ,mm)	16.3, 550 mm	16.3, 550 mm
Field Wiring	Transmission Cable	0.75	0.75
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure	37 / 23 dBA	37 / 23 dBA
	Sound Power	54 dBA	54 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	9.1 kg	9.1 kg
	Shipping Weight (kg)	10.4 kg	10.4 kg
	Net Dimensions (WxHxD) (mm)	820 x 299 x 215 mm	820 x 299 x 215 mm
	Shipping Dimensions (WxHxD) (mm)	880 x 290 x 375 mm	880 x 290 x 375 mm
Smart	WiFi Kit	N/A	N/A
App Connectivity	SmartThings App Support	N/A	N/A



FJM Wall Mounted S-Inverter

AJ035TNTDKH/EA	AJ050TNTDKH/EA	AJ068TNTDKH/EA
Value	Value	Value
FREE JOINT MULTI	FREE JOINT MULTI	FREE JOINT MULTI
AJ035TNTDKH/EA	AJ050TNTDKH/EA	AJ068TNTDKH/EA
1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
HP	HP	HP
3.5 kW	5.0 kW	6.5 kW
11,900 Btu/h	17,100 Btu/h	22,200 Btu/h
4.0 kW	6.0 kW	7.0 kW
13,600 Btu/h	20,500 Btu/h	23,900 Btu/h
40 W	50 W	50 W
40 W	50 W	50 W
0.4 A	0.5 A	0.5 A
0.4 A	0.5 A	0.5 A
Cross Flow	Cross Flow	Cross Flow
27 x 1 W	27 x 1 W	27 x 1 W
Cooling : 195 / 177 / 158 / 142	Cooling : 265 / 253 / 232 / 207	Cooling : 298 / 277 / 242 / 207
6.35 mm	6.35 mm	6.35 mm
4-Jan	4-Jan	4-Jan
9.52 mm	12.7 mm	15.88 mm
8-Mar	2-Jan	8-May
16.3, 550 mm	16.3, 550 mm	16.3, 550 mm
0.75	0.75	0.75
R410A	R410A	R410A
38 / 23 dBA	41 / 30 dBA	45 / 30 dBA
56 dBA	58 dBA	62 dBA
9.1 kg	11.5 kg	11.5 kg
10.4 kg	13.1 kg	13.1 kg
820 x 299 x 215 mm	1,055 x 299 x 215 mm	1,055 x 299 x 215 mm
880 x 290 x 375 mm	1,115 x 290 x 375 mm	1,115 x 290 x 375 mm
N/A	N/A	N/A
N/A	N/A	N/A

MULTI SPLIT | Indoor Unit SPECIFICATIONS



FJM Wall Mounted WindFree

Model Code		AJ020TNAPKH/EA	AJ025TNAPKH/EA
Attribute		Value	Value
Features	Type	FREE JOINT MULTI	FREE JOINT MULTI
Model Name	Indoor Unit	AJ020TNAPKH/EA	AJ025TNAPKH/EA
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
System	Mode	HP	HP
Capacity	Cooling [kW]	2.0 kW	2.5 kW
	Cooling [Btu/h]	6,800 Btu/h	8,500 Btu/h
	Heating [kW]	2.2 kW	3.2 kW
	Heating [Btu/h]	7,500 Btu/h	10,900 Btu/h
Power Input (Nominal)	Cooling 1) [W]	40 W	40 W
	Heating 2) [W]	40 W	40 W
Current Input (Nominal)	Cooling 1)	0.4 A	0.4 A
	Heating 2)	0.4 A	0.4 A
Fan	Type	Cross Flow	Cross Flow
	Motor (Output) [W]	27 x 1 W	27 x 1 W
	Air Flow Rate(High/Mid/Low)[L/S]	Cooling : 165 / 153 / 140 / 122	Cooling : 172 / 160 / 140 / 122
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	4-Jan	4-Jan
	Gas Pipe (Φ, mm)	9.52 mm	9.52 mm
	Gas Pipe (Φ, inch)	8-Mar	8-Mar
	Drain Pipe (Φ,mm)	16.3, 550 mm	16.3, 550 mm
Field Wiring	Transmission Cable	0.75	0.75
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure	38 / 23 dBA	38 / 23 dBA
	Sound Power	54 dBA	54 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	10.6 kg	10.6 kg
	Shipping Weight (kg)	12.0 kg	12.0 kg
	Net Dimensions (WxHxD) (mm)	889 x 299 x 215 mm	889 x 299 x 215 mm
	Shipping Dimensions (WxHxD) (mm)	950 x 290 x 375 mm	950 x 290 x 375 mm
Smart	WiFi Kit	N/A	N/A
App Connectivity	SmartThings App Support	N/A	N/A

FJM Wall Mounted WindFree



AJ035TNAPKH/EA	AJ050TNAPKH/EA	AJ068TNAPKH/EA
Value	Value	Value
FREE JOINT MULTI	FREE JOINT MULTI	FREE JOINT MULTI
AJ035TNAPKH/EA	AJ050TNAPKH/EA	AJ068TNAPKH/EA
1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
HP	HP	HP
3.5 kW	5.0 kW	6.2 kW
11,900 Btu/h	17,100 Btu/h	21,200 Btu/h
4.0 kW	6.0 kW	8.0 kW
13,600 Btu/h	20,500 Btu/h	27,300 Btu/h
40 W	50 W	50 W
40 W	50 W	50 W
0.4 A	0.5 A	0.5 A
0.4 A	0.5 A	0.5 A
Cross Flow	Cross Flow	Cross Flow
27 x 1 W	27 x 1 W	27 x 1 W
Cooling : 178 / 160 / 142 / 118	Cooling : 270 / 253 / 227 / 202	Cooling : 335 / 300 / 265 / 228
6.35 mm	6.35 mm	6.35 mm
4-Jan	4-Jan	4-Jan
9.52 mm	12.7 mm	15.88 mm
8-Mar	2-Jan	8-May
16.3, 550 mm	16.3, 550 mm	16.3, 550 mm
0.75	0.75	0.75
R410A	R410A	R410A
39 / 23 dBA	42 / 30 dBA	47 / 30 dBA
56 dBA	58 dBA	64 dBA
10.6 kg	12.5 kg	12.5 kg
12.0 kg	14.3 kg	14.3 kg
889 x 299 x 215 mm	1,055 x 299 x 215 mm	1,055 x 299 x 215 mm
950 x 290 x 375 mm	1,115 x 290 x 375 mm	1,115 x 290 x 375 mm
N/A	N/A	N/A
N/A	N/A	N/A

COMMERCIAL

COMMERCIAL | SPECIFICATIONS



Heat Pump > Inverter 360 Cassette

Model Name	Indoor Unit	AC024KN4DKH/TC
	Outdoor Unit	AC024KX4DKH/TC
System	Mode	HEAT PUMP
Capacity	Cooling [Btu/h]	7,500/24,000/27,300
Power Input (Nominal)	Cooling 1)	0.35/2.52/3.95
Current Input (Nominal)	Cooling 1)	2.00/11.20/17.00
Power	MCA [A]	21.50 (MCA)
	MFA [A]	23.65
Energy Efficiency	EER (Nominal Cooling) (Btu/h/W)	9.52
	COP (Nominal Heating) (Btu/h/W)	10.71
Piping Connections	Liquid Pipe (Φ, mm)	6.35
	Liquid Pipe (Φ, inch)	1/4"
	Gas Pipe (Φ, mm)	15.88
	Gas Pipe (Φ, inch)	5/8"
	Installation Max. Length [m]	50
	Installation Max. Height [m]	30.0
Refrigerant	Type	R410A
	Control Method	
	Factory Charging (kg)	1.50
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,60
Fan	Type	Turbo Fan
	Motor (Output) [W]	65.00
	Number of Unit (EA)	1.00
	Air Flow Rate (High / Mid / Low) [CMM]	17.50/15.90/14.30
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0 / 33.0 / 29.0
External Dimension (Indoor Unit)	Net Weight(kg)	21.00
	Shipping Weight (kg)	25.00
	Net Dimensions (WxHxD) (mm)	947 x 281 x 947
	Shipping Dimensions (WxHxD) (mm)	990 x 330 x 990
Panel Size	Panel model	PC4NUNMAN
	Panel Net Weight (kg)	2.70
	Shipping Weight (kg)	5.10
	Net Dimensions (WxHxD) (mm)	1050 x 94 x 1050
	Shipping Dimensions (WxHxD) (mm)	1093 x 85 x 1083
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,60
Compressor	Type	BLDC Rotary
	Model	UG4T200FUAE4
	Output(kW)	1.79
	Oil (Type)	POE
	Oil (Initial Charge) [cc]	-
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	58.50
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	49.0 / 51.0
External Dimension (Outdoor Unit)	Net Weight(kg)	50.50
	Shipping Weight (kg)	55.00
	Net Dimensions (WxHxD) (mm)	880 x 798 x 310
	Shipping Dimensions (WxHxD) (mm)	1023 x 891 x 413
Operating Temp. Range	Cooling (℃)	-15~50



Heat Pump > Inverter 360 Cassette

AC036KN4DKH/TC AC036KX4DKH/TC	AC048KN4DKH/TC AC048KX4DKH/TC
HEAT PUMP	HEAT PUMP
10,200/36,000/40,900	11,900/48,000/52,900
0.60/3.67/4.70	0.80/5.00/6.44
3.00/16.20/20.40	3.70/21.70/28.00
24.50 (MCA)	33.50 (MCA)
26.95	36.85
9.81	9.6
12.13	11.75
9.52	9.52
3/8"	3/8"
15.88	15.88
5/8"	5/8"
50	75
30.0	30.0
R410A	R410A
3.00	3.50
1,2,220-240,60	1,2,220-240,60
Turbo Fan	Turbo Fan
97.00	97.00
1.00	1.00
31.20/25.50/19.80	32.40/27.10/22.80
VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
44.0 / 39.0 / 33.0	45.0 / 41.0 / 37.0
24.00	25.50
28.50	30.00
947 x 365 x 947	947 x 365 x 947
990 x 414 x 990	990 x 414 x 990
PC4NUNMAN	PC4NUNMAN
2.70	2.70
5.10	5.10
1050 x 94 x 1050	1050 x 94 x 1050
1093 x 85 x 1083	1093 x 85 x 1083
1,2,220-240,60	1,2,220-240,60
BLDC Rotary	Twin BLDC Rotary
UG8T300FUBJU	UG5T450FUEJX
9.17	4.12
POE	PVE
-	-
78.00	111.00
52.0 / 54.0	53.0 / 54.0
72.00	92.50
77.00	102.50
940 x 998 x 330	940 x 1210 x 330
995 x 1096 x 426	995 x 1338 x 426
-15~50	-15~50

COMMERCIAL | SPECIFICATIONS



Heat Pump > Inverter WindFree 4Way

Model Name	Indoor Unit	AC052NN4DEH/AF	AC071NN4DEH/AF
	Outdoor Unit	AC052JX4DEH/AF	AC071JX4DEH/AF
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [Btu/h]	5,000/17,000/18,000 Btu/h	7,100/24,500/26,500 Btu/h
Power Input (Nominal)	Cooling 1)	0.35/1.60/1.70 kW	0.38/2.60/3.00 kW
Current Input (Nominal)	Cooling 1)	2.20/7.20/8.00 A	2.30/11.00/13.00 A
Power	MCA [A]	10.80 A	20.8 A
	MFA [A]	12.50 A	25.0 A
Energy Efficiency	EER (Nominal Cooling) (Btu/h/W)	10.37	9.42
	COP (Nominal Heating) (Btu/h/W)	12	11.84
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"
	Installation Max. Length [m]	30 m	30 m
	Installation Max. Height [m]	15.0 m	15 m
Refrigerant	Type	R410A	R410A
	Control Method	EEV	EEV
	Factory Charging (kg)	1.10 kg	1.3 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo	Turbo
	Motor (Output) [W]	65 W	65 W
	Number of Unit (EA)	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	18.00/15.00/13.00 CMM	21.0/18.0/16.0 CMM
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37.0 / 34.0 / 31.0 dBA	43 / 40 / 37 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	14.50 kg	15.0 kg
	Shipping Weight (kg)	18.00 kg	18.0 kg
	Net Dimensions (WxHxD) (mm)	840 x 204 x 840 mm	840 x 204 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 275 x 898 mm	898 x 275 x 898 mm
Panel Size	Panel model	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight (kg)	5.80 kg	6.3 kg
	Shipping Weight (kg)	8.40 kg	8.7 kg
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950 mm	950 x 64 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1005 x 100 x 1005 mm	1010 x 117 x 1000 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	TWIN BLDC
	Model	UG4T150LNBEQ	UG4T200FUAE4
	Output(kW)	1.42 kW	1.788 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	-	650 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	40 CMM	41 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 48.0 dBA	49/51 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	36.00 kg	45.0 kg
	Shipping Weight (kg)	39.00 kg	48.0 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	880 x 638 x 310 mm
	Shipping Dimensions (WxHxD) (mm)	913 x 622 x 371 mm	1023 x 730 x 413 mm
Operating Temp. Range	Cooling (℃)	-5~48℃	-5~48℃



Heat Pump > Inverter WindFree 4WAy

AC090NN4DEH/AF	AC100NN4DEH/AF	AC120NN4DEH/AF	AC140NN4DEH/AF
AC090JX4DEH/AF	AC100JX4DEH/AF	AC120JX4DGH/AF	AC140JX4DGH/AF
HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
10000/30000/34000 Btu/h	11000/35000/37000 Btu/h	10,000/42,000/42,500 Btu/h	10,900/48,000/48,500 Btu/h
0.87/2.8/4.5 kW	0.7/3.6/4.8 kW	1.03/4.32/5.89 kW	1.30/5.35/6.30 kW
4.7/12.5/20 A	4/16/21 A	2.10/6.80/9.00 A	3.00/8.50/9.50 A
23.7 A	23.7 A	13.7 A	13.7 A
27.5 A	27.5 A	15.1 A	15.1 A
10.71	9.72	9.72	8.97
12.86	12.73	10.57	10.57
9.52 mm	9.52 mm	9.52 mm	9.52 mm
3/8"	3/8"	3/8"	3/8"
15.88 mm	15.88 mm	15.88 mm	15.88 mm
5/8"	5/8"	5/8"	5/8"
50 m	50 m	50 m	50 m
30 m	30 m	30 m	30 m
R410A	R410A	R410A	R410A
EEV	EEV	EEV	EEV
2.5 kg	2.5 kg	2.2 kg	2.2 kg
1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Turbo	Turbo	Turbo	Turbo
97 W	97 W	97 W	97 W
1 EA	1 EA	1 EA	1 EA
29.0/24.0/19.0 CMM	33.0/26.0/19.0 CMM	31.0/24.0/19.0 CMM	32.0/24.0/20.0 CMM
VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
42/38/33 dBA	43/38/33 dBA	44 / 40 / 36 dBA	45 / 41 / 36 dBA
18.5 kg	18.5 kg	18.5 kg	18.5 kg
22.0 kg	22.0 kg	22.0 kg	22.0 kg
840 x 288 x 840 mm	840 x 288 x 840 mm	840 x 288 x 840 mm	840 x 288 x 840 mm
898 x 357 x 898 mm	898 x 357 x 898 mm	898 x 357 x 898 mm	898 x 357 x 898 mm
PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
6.3 kg	6.3 kg	6.3 kg	6.3 kg
8.7 kg	8.7 kg	8.7 kg	8.7 kg
950 x 64 x 950 mm	950 x 64 x 950 mm	950 x 64 x 950 mm	950 x 64 x 950 mm
1010 x 117 x 1000 mm	1010 x 117 x 1000 mm	1010 x 117 x 1000 mm	1010 x 117 x 1000 mm
1,2,220-240,50	1,2,220-240,50	3,4,380-415,50	3,4,380-415,50
Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
UG8T300LNBJU	UG8T300LNBJU	UG5T450FUFJX	UG5T450FUFJX
2.818 kW	2.818 kW	4.12 kW	4.12 kW
PVE	PVE	PVE	PVE
1200 cc	1200 cc	1700 cc	1700 cc
60 CMM	60 CMM	70 CMM	70 CMM
54/56 dBA	55/57 dBA	57/58 dBA	57/59 dBA
67.0 kg	67.0 kg	89.0 kg	89.0 kg
72.0 kg	72.0 kg	99.0 kg	99.0 kg
880x967x320 mm	880x967x320 mm	932x 1162 x 375 mm	932x 1162 x 375 mm
1047X1045X415 mm	1047X1045X415 mm	1095 x 1286 x 476 mm	1095 x 1286 x 476 mm
-5~48℃	-5~48℃	-5~48℃	-5~48℃

COMMERCIAL | SPECIFICATIONS



Heat Pump > Inverter Duct

Model Name	Indoor Unit	AC035JNMDEH/AF	AC052JNMDEH/AF	AC071JNMDEH/AF
	Outdoor Unit	AC035JXMDEH/AF	AC052JXMDEH/AF	AC071JXMDEH/AF
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling [Btu/h]	3,350/12,000/14,000 Btu/h	5,000/17,000/18,000 Btu/h	6,300/24,500/26,000 Btu/h
Power Input (Nominal)	Cooling 1)	0.33/1.15/1.35 kW	0.35/1.60/1.70 kW	0.47/2.50/3.23 kW
Current Input (Nominal)	Cooling 1)	2.10/5.30/6.20 A	2.20/7.30/8.00 A	2.80/11.60/14.10 A
Power	MCA [A]	10.00 (MCA) A	12.70 (MCA) A	22.70 (MCA) A
	MFA [A]	11.00 A	13.97 A	25.00 A
Energy Efficiency	EER (Nominal Cooling) (Btu/h/W)	10.43	10.63	9.8
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	3/8"	1/2"	5/8"
	Installation Max. Length [m]	20 m	30 m	30 m
	Installation Max. Height [m]	15.0 m	15.0 m	15.0 m
Refrigerant	Type	R410A	R410A	R410A
	Control Method	-	-	-
	Factory Charging (kg)	0.90 kg	1.00 kg	1.30 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan(BLDC)	Sirocco Fan(BLDC)	Sirocco Fan(BLDC)
	Motor (Output) [W]	153.00 W	153.00 W	153.00 W
	Number of Unit (EA)	1.00 EA	1.00 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	9.20/7.40/5.80 CMM	18.70/16.50/14.00 CMM	23.00/20.00/17.00 CMM
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/2.50/4.00 mmAq	0.00/3.00/15.00 mmAq	0.00/3.00/15.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/24.52/39.23 Pa	0.00/29.42/147.10 Pa	0.00/29.42/147.10 Pa
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	32.0 / 29.0 / 26.0 dBA	33.0 / 30.0 / 27.0 dBA	36.0 / 32.0 / 28.0 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	20.00 kg	25.20 kg	25.20 kg
	Shipping Weight (kg)	24.00 kg	29.00 kg	29.00 kg
	Net Dimensions (WxHxD) (mm)	700 x 199 x 600 mm	850 x 250 x 700 mm	850 x 250 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	951 x 280 x 709 mm	1064 x 320 x 784 mm	1064 x 320 x 784 mm
Additional Accessories	Drain Pump	MDP-G075SP	MDP-G075SP	MDP-G075SP
	Drain Pump Max. Lifting Height/Displacement			
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary
	Model	UG9A090FUAER	UG4T150LNBEQ	UG4T200FUAE4
	Output(kW)	2.77 kW	4.45 kW	5.92 kW
	Oil (Type)	POE	POE	POE
	Oil (Initial Charge) [cc]	- cc	- cc	- cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	37.00 CMM	40.00 CMM	41.00 CMM
	Air Flow Rate (Cooling) [L/S]	616.67	666.67	683.33
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 48.0 dBA	47.0 / 48.0 dBA	49.0 / 51.0 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	29.50 kg	36.00 kg	45.00 kg
	Shipping Weight (kg)	32.00 kg	39.00 kg	48.00 kg
	Net Dimensions (WxHxD) (mm)	720 x 548 x 265 mm	790 x 548 x 285 mm	880 x 638 x 310 mm
	Shipping Dimensions (WxHxD) (mm)	844 x 622 x 353 mm	913 x 622 x 371 mm	1023 x 730 x 413 mm
Operating Temp. Range	Cooling (℃)	-5~48 ℃	-5~48 ℃	-5~48 ℃



Heat Pump › Inverter Duct

AC090JNMDEH/AF	AC100JNMDEH/AF	AC120JNMDEH/AF	AC140JNMDEH/AF	AC160JNMDEH/AF
AC090JXMDEH/AF	AC100JXMDEH/AF	AC120JXMDGH/AF	AC140JXMDGH/AF	AC160JXMDGH/AF
HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
10000/30000/34000 Btu/h	10300/35000/37000 Btu/h	10,000/42,000/42,500 Btu/h	10,900/47,000/47,500 Btu/h	11,000/54,000/55,000 Btu/h
0.9/3.37/4.6 kW	0.8/3.9/4.9 kW	1.05/4.74/5.90 kW	1.30/5.30/6.50 kW	1.08/6.07/6.35 kW
4.7/15/20 A	4.4/18.5/21.5 A	2.10/8.00/9.20 A	2.50/9.00/10.00 A	2.20/9.70/10.00 A
24.7 A	24.7 A	14.70 (MCA) A	14.70 (MCA) A	15.50 (MCA) A
27.5 A	27.5 A	16.20 A	16.20 A	17.10 A
8.9	8.97	8.86	8.87	8.9
9.52 mm	9.52 mm	9.52 mm	9.52 mm	9.52 mm
3/8"	3/8"	3/8"	3/8"	3/8"
15.88 mm	15.88 mm	15.88 mm	15.88 mm	19.05 mm
5/8"	5/8"	5/8"	5/8"	3/4"
50 m	50 m	50 m	50 m	50 m
30 m	30 m	30.0 m	30.0 m	30.0 m
R410A	R410A	R410A	R410A	R410A
EEV	EEV	-	-	
2.5 kg	2.5 kg	2.20 kg	2.20 kg	3.50 kg
1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
153 W	153 W	153.00 W	153.00 W	244.00 W
2 EA	3 EA	3 EA	3 EA	3 EA
29.0/25.0/22.0 CMM	33/27/22 CMM	38.00/32.00/25.00 CMM	42.00/34.00/27.00 CMM	49.00/43.00/37.00 CMM
0/4/15 mmAq	0/4/15 mmAq	0.00/5.20/15.00 mmAq	0.00/5.20/15.00 mmAq	0.00/5.20/15.00 mmAq
0/39.2/147 Pa	0/39.2/147 Pa	0.00/50.99/147.10 Pa	0.00/50.99/147.10 Pa	0.00/50.99/147.10 Pa
VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP20 (OD 25,ID 20) mm	VP20 (OD 25,ID 20) mm	VP20 (OD 25,ID 20) mm
41/38/34 dBA	39/36/33 dBA	42.0 / 38.0 / 34.0 dBA	43.0 / 39.0 / 34.0 dBA	44.0 / 40.0 / 35.0 dBA
25 kg	32 kg	32.50 kg	32.50 kg	38.00 kg
29 kg	37 kg	37.00 kg	37.00 kg	42.00 kg
850 x 250 x 700 mm	1200 x 250 x 700 mm	1200 x 250 x 700 mm	1200 x 250 x 700 mm	1300 x 300 x 700 mm
1064X320X784 mm	1429 x 320 x 779 mm	1429 x 320 x 779 mm	1429 x 320 x 779 mm	1529 x 370 x 779 mm
MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP
220~240V,50Hz	220~240V,50Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Rotary	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
UG8T300LNBJU	UG8T300LNBJU	UG5T450FUFJX	UG5T450FUFJX	UG5T450FUFJX
- kW	- kW	4.12 kW	4.12 kW	4.12 kW
PVE	PVE	PVE	PVE	PVE
1200CC cc	1200CC cc	1700 cc	1700 cc	1700 cc
60 CMM	60 CMM	70.00 CMM	70.00 CMM	70.00 CMM
1000	1000	1,166.67	1,166.67	1,166.67
54/56 dBA	55/57 dBA	57.0 / 58.0 dBA	57.0 / 59.0 dBA	57.0 / 59.0 dBA
67 kg	67 kg	89.00 kg	89.00 kg	97.00 kg
72 kg	72 kg	99.00 kg	99.00 kg	107.00 kg
880x967x320 mm	880x967x320 mm	932 x 1162 x 375 mm	932 x 1162 x 375 mm	932 x 1162 x 375 mm
1047X1045X415 mm	1047X1045X415 mm	1095 x 1286 x 476 mm	1095 x 1286 x 476 mm	1095 x 1286 x 476 mm
-5 ~ 48°C°C	-5 ~ 48°C°C	-5~48°C	-5~48°C	-5~48°C

COMMERCIAL | SPECIFICATIONS



Floor Standing

Model Name		AC036KNPDEC/SV	AC048KNPDEC/SV
Capacity	Cooling [kW]	3.4/10/13 kW	3.6/14/16.7 kW
	Cooling [Btu/h]	- Btu/h	- Btu/h
Power Input (Nominal)	Cooling 1)	0.88/3.27/4.90 kW	0.82/5.04/5.6 kW
Current Input (Nominal)	Cooling 1)	4.4/14.4/22.5	1.6/7.8/9
Power	MCA [A]	22.5 A	16.1 A
	MFA [A]	28.1 A	16.1 A
Energy Effiency	EER (Nominal Cooling)	3.06	2.78
Piping Connections	Liquid Pipe [Φ, mm]	9.52 mm	9.52 mm
	Gas Pipe [Φ, mm]	15.88 mm	15.88 mm
	Instalation Max. Length [m]	50 m	75 m
	Instalation Max. Height [m]	30 m	30 m
Field Wiring	Power Source Wire	-	-
	Transmission Cable	0.75	0.75
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220~240,50	1,2,220~240,50
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	97 W	154 W
	Number of Unit (EA)	1 EA	1 EA
	Air Flow Rate (High/Mid/Low) [CMM]	29 CMM	35.5 CMM
	Air Flow Rate (High/Mid/Low) [L/S]	-	-
Drain	Drain Pipe [Φ, mm]	VP18 mm	VP18 mm
Sound	Sound Pressure (High/Med/Low) [dB(A)]	45/42/39 dBA	51/48/45 dBA
External Dimension (Indoor Unit)	Net Weight [kg]	43 kg	46 kg
	Net Dimensions (WxHxD) [mm]	610x1850x400 mm	610x1850x400 mm
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220~240,50	3,4,380~415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG8T300FUBJUSG	UG5TK1450FJX
	Output [kW]	2.82 kW	4.19 kW
	Oil (Type)	PVE	PVE
	Oil (Initial Charge) [cc]	1,200 cc	1,700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	76 CMM	110 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling/Heating) [dB(A)]	51/- dBA	53/- dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	71 kg	84.5 kg
	Net Dimensions (WxHxD) (mm)	940x998x330	940x1210x330
Operating Temp. Range	Cooling [°C]	-15 ~ 52°C	-15 ~ 52°C

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



Cooling Only > Inverter 360 Cassete

Model Name	Indoor Unit	AC052TN4PKC/EA	AC071TN4PKC/EA	AC100TN4PKC/EA	AC100TN4PKC/EA
	Outdoor Unit	AC052TXADKC/EA	AC071TXADKC/EA	AC100TXADKC/EA	AC100TXADNC/EA
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	Cooling [Btu/h]	3,410/17,000/20,470	7,510/24,000/29,000	10,240/34,000/40,940	10,240/34,000/40,940
Power Input (Nominal)	Cooling 1)	0.33/1.41/2.1 kW	0.35/2.185/3.6 kW	0.6/3.125/4.7	0.6/3.125/4.7
Current Input (Nominal)	Cooling 1)	1.5/6.7/9.5 A	2.0/10.1/16.0 A	3.0/14.8/20.4 A	1.5/5.2/7.1 A
Power	MCA [A]	21.5 A	21.5 A	26.0 A	26.0 A
	MFA [A]	25.0 A	25.0 A	30.0 A	30.0 A
Energy Efficiency	EER (Nominal Cooling)	3.55	3.25	3.2	3.2
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	3/8"	3/8"
	Gas Pipe (Φ, mm)	12.7 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"	5/8"	5/8"
	Installation Max. Length [m]	30 m	50 m	50 m	50 m
	Installation Max. Height [m]	20 m	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75↑	0.75↑	0.75↑
Refrigerant	Type	R410A	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV	EEV
	Factory Charging (kg)	1.30 kg	2.00 kg	3.00 kg	3.00 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	65 W	65 W	97 W	97 W
	Number of Unit (EA)	1 EA	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	17.7/15.6/14.1 CMM	20.5/16.8/13.2 CMM	31.2/25.5/19.8 CMM	31.2/25.5/19.8 CMM
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36/34/32 dBA	41/37/33 dBA	44/39/33 dBA	44/39/33 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	20.2 kg	20.2 kg	25.5 kg	25.5 kg
	Shipping Weight (kg)	24.5 kg	24.5 kg	30.3 kg	30.3 kg
	Net Dimensions (WxHxD) (mm)	947 x 281 x 947 mm	947 x 281 x 947 mm	947 x 365 x 947 mm	947 x 365 x 947 mm
	Shipping Dimensions (WxHxD) (mm)	990 x 330 x 990 mm	990 x 330 x 990 mm	990 x 414 x 990 mm	990 x 414 x 990 mm
Panel Size	Panel model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight (kg)	3.6 kg	3.6 kg	3.6 kg	3.6 kg
	Shipping Weight (kg)	6.3 kg	6.3 kg	6.3 kg	6.3 kg
	Net Dimensions (WxHxD) (mm)	1000 x 66 x 1000 mm	1000 x 66 x 1000 mm	1000 x 66 x 1000 mm	1000 x 66 x 1000 mm
	Shipping Dimensions (WxHxD) (mm)	1093 x 85 x 1083 mm	1093 x 85 x 1083 mm	1093 x 85 x 1083 mm	1093 x 85 x 1083 mm
Additional Accessories	Drain Pump	Built in	Built in	Built in	Built in
	Drain Pump Max. Lifting Height/Displacement	750 /24	750 /24	750 /24	750 /24
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG9TK3150FE4	UG8T265FXAEW	UG8T300FUBJU	UG8T300FUCJU
	Output(kW)	1.42 kW	2.32 kW	2.82 kW	2.82 kW
	Oil (Type)	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	500 cc	700 cc	1200 cc	1200 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	43 CMM	76 CMM	76 CMM	76 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	50 dBA	50 dBA	53 dBA	53 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	40.5 kg	52.5 kg	71.0 kg	71.0 kg
	Shipping Weight (kg)	43.5 kg	56.5 kg	76.0 kg	76.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 638 x 310 mm	880 x 798 x 310 mm	940 x 998 x 330 mm	940 x 998 x 330
	Shipping Dimensions (WxHxD) (mm)	1023 x 730 x 413 mm	1023 x 881 x 413 mm	995 x 1096 x 426 mm	995 x 1,096 x 426
Operating Temp. Range	Cooling (℃)	-15 ~ 50℃	-15 ~ 50℃	-15 ~ 50℃	-15 ~ 50℃
Smart	WiFi Kit	Yes	Yes	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes	Yes	Yes

COMMERCIAL | SPECIFICATIONS



Cooling Only > Inverter 360 Cassete

Model Name	Indoor Unit	AC120TN4PKC/EA	AC120TN4PKC/EA	AC140TN4PKC/EA	AC140TN4PKC/EA
	Outdoor Unit	AC120TXADKC/EA	AC120TXADNC/EA	AC140TXADKC/EA	AC140TXADNC/EA
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	Cooling [Btu/h]	11,940/41,500/47,770	11,940/41,500/47,770	11,940/45,500/52,890	11,940/45,500/52,890
Power Input (Nominal)	Cooling 1)	0.8/3.67/5.3	0.8/3.67/5.5	0.8/4.42/6.4	0.8/4.42/6.4
Current Input (Nominal)	Cooling 1)	3.7/16.7/23.0 A	2.1/5.9/8.8 A	3.7/20.4/28.0 A	2.1/7.1/9.5 A
Power	MCA [A]	34.0 A	34.0 A	34.0 A	34.0 A
	MFA [A]	40.0 A	40.0 A	40.0 A	40.0 A
Energy Efficiency	EER (Nominal Cooling)	3.3	3.3	3.03	3.03
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"	5/8"
	Installation Max. Length [m]	75 m	75 m	75 m	75 m
	Installation Max. Height [m]	30 m	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75↑	0.75↑	0.75↑
Refrigerant	Type	R410A	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV	EEV
	Factory Charging (kg)	3.40 kg	3.40 kg	3.40 kg	3.40 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	97 W	97 W	97 W	97 W
	Number of Unit (EA)	1 EA	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	32.0/26.0/19.5 CMM	32.0/26.0/19.5 CMM	33.3/27.0/21.7 CMM	33.3/27.0/21.7 CMM
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	45/41/36 dBA	45/41/36 dBA	45/42/38 dBA	45/42/38 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	25.5 kg	25.5 kg	25.5 kg	25.5 kg
	Shipping Weight (kg)	30.3 kg	30.3 kg	30.3 kg	30.3 kg
	Net Dimensions (WxHxD) (mm)	947 x 365 x 947 mm	840 x 204 x 840 mm	947 x 365 x 947 mm	840 x 288 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	990 x 414 x 990 mm	898 x 275 x 898 mm	990 x 414 x 990 mm	898 x 357 x 898 mm
Panel Size	Panel model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight (kg)	3.6 kg	3.6 kg	3.6 kg	3.6 kg
	Shipping Weight (kg)	6.3 kg	6.3 kg	6.3 kg	6.3 kg
	Net Dimensions (WxHxD) (mm)	1000 x 66 x 1000 mm	1000 x 66 x 1000 mm	1000 x 66 x 1000 mm	1000 x 66 x 1000 mm
	Shipping Dimensions (WxHxD) (mm)	1093 x 85 x 1083 mm	1093 x 85 x 1083 mm	1093 x 85 x 1083 mm	1093 x 85 x 1083 mm
Additional Accessories	Drain Pump	Built in	Built in	Built in	Built in
	Drain Pump Max. Lifting Height/Displacement	750 /24	750 /24	750 /24	750 /24
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5TK1450FJX	UG5TK1450FJX	UG5TK1450FJX	UG5TK1450FJX
	Output(kW)	4.19 kW	4.19 kW	4.19 kW	4.19 kW
	Oil (Type)	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	1700 cc	1700 cc	1700 cc	1700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	110 CMM	110 CMM	110 CMM	110 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	53 dBA	53 dBA	54 dBA	54 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	86.5 kg	86.5 kg	86.5 kg	86.5 kg
	Shipping Weight (kg)	96.5 kg	96.5 kg	96.5 kg	96.5 kg
	Net Dimensions (WxHxD) (mm)	940 x 1210 x 330 mm	940 x 1210 x 330 mm	940 x 1210 x 330 mm	940 x 1210 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1388 x 426 mm	995 x 1388 x 426 mm	995 x 1388 x 426 mm	995 x 1388 x 426 mm
Operating Temp. Range	Cooling (℃)	-15 ~ 50℃	-15 ~ 50℃	-15 ~ 50℃	-15 ~ 50℃
Smart	WiFi Kit	Yes	Yes	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes	Yes	Yes



Cooling Only › Inverter 4Way WindFree

Model Name	Indoor Unit	AC052TN4DKC/EA	AC071TN4DKC/EA	AC100TN4DKC/EA	AC100TN4DKC/EA
	Outdoor Unit	AC052TXADKC/EA	AC071TXADKC/EA	AC100TXADKC/EA	AC100TXADNC/EA
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	Cooling [Btu/h]	3,410/17,000/20,470	7,510/24,000/29,000	10,240/34,000/40,940	10,240/34,000/40,940
Power Input (Nominal)	Cooling 1)	0.33/1.41/2.1 kW	0.35/2.185/3.6 kW	0.6/3.125/4.7 kW	0.6/3.125/4.7
Current Input (Nominal)	Cooling 1)	1.5/6.7/9.5 A	2.0/10.1/16.0 A	3.0/14.8/20.4 A	3.0/14.8/20.4 A
Power	MCA [A]	21.5 A	21.5 A	26.0 A	26.0 A
	MFA [A]	25.0 A	25.0 A	30.0 A	30.0 A
Energy Efficiency	EER (Nominal Cooling) (W/W)	3.55	3.25	3.2	3.2
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	3/8"	3/8"
	Gas Pipe (Φ, mm)	12.7 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"	5/8"	5/8"
	Installation Max. Length [m]	30 m	50 m	50 m	50 m
	Installation Max. Height [m]	20 m	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75↑	0.75↑	0.75↑
Refrigerant	Type	R410A	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV	EEV
	Factory Charging (kg)	1.30 kg	2.00 kg	3.00 kg	3.00 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
Fan	Type	Turbo Fan	Turbo Fan	Turbo	Turbo
	Motor (Output) [W]	65 W	65 W	97 W	97 W
	Number of Unit (EA)	1 EA	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	16.9/15.9/14.9 CMM	20.8/17.8/14.8 CMM	30.3/24.3/19.4 CMM	30.3/24.3/19.4 CMM
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	35/33/31 dBA	40/36/32 dBA	43/38/33 dBA	43/38/33 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	14.5 kg	14.5 kg	20.0 kg	20.0 kg
	Shipping Weight (kg)	17.5 kg	17.5 kg	23.5 kg	23.5 kg
	Net Dimensions (WxHxD) (mm)	840 x 204 x 840 mm	840 x 204 x 840 mm	840 x 288 x 840 mm	840 x 288 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 275 x 898 mm	898 x 275 x 898 mm	898 x 357 x 898 mm	898 x 357 x 898 mm
Panel Size	Panel model	PC4NUFDAN	PC4NUFDAN	PC4NUFDAN	PC4NUFDAN
	Panel Net Weight (kg)	6.3 kg	6.3 kg	6.3 kg	6.3 kg
	Shipping Weight (kg)	8.4 kg	8.4 kg	8.4 kg	8.4 kg
	Net Dimensions (WxHxD) (mm)	950 x 48 x 950 mm	950 x 48 x 950 mm	950 x 48 x 950 mm	950 x 48 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1010 x 117 x 1000 mm	1010 x 117 x 1000 mm	1010 x 117 x 1000 mm	1010 x 117 x 1000 mm
Additional Accessories	Drain Pump	Built in	Built in	Built in	Built in
	Drain Pump Max. Lifting Height/Displacement	750 /24	750 /24	750 /24	750 /24
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG9TK3150FE4	UG8T265FXAEW	UG8T300FUBJU	UG8T300FUCJU
	Output(kW)	1.42 kW	2.32 kW	2.82 kW	2.82 kW
	Oil (Type)	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	500 cc	700 cc	1200 cc	1200 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	43 CMM	76 CMM	76 CMM	76 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	50 dBA	50 dBA	53 dBA	53 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	40.5 kg	52.5 kg	71.0 kg	71.0 kg
	Shipping Weight (kg)	43.5 kg	56.5 kg	76.0 kg	76.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 638 x 310 mm	880 x 798 x 310 mm	940 x 998 x 330 mm	940 x 998 x 330
	Shipping Dimensions (WxHxD) (mm)	1023 x 730 x 413 mm	1023 x 881 x 413 mm	995 x 1096 x 426 mm	995 x 1,096 x 426
Operating Temp. Range	Cooling (℃)	-15 ~ 50℃	-15 ~ 50℃	-15 ~ 50℃	-15 ~ 50℃
Smart	WiFi Kit	Yes	Yes	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes	Yes	Yes

COMMERCIAL | SPECIFICATIONS



Cooling Only > Inverter 4Way WindFree

Model Name	Indoor Unit	AC120TN4DKC/EA	AC120TN4DKC/EA	AC140TN4DKC/EA	AC140TN4DKC/EA
	Outdoor Unit	AC120TXADKC/EA	AC120TXADNC/EA	AC140TXADKC/EA	AC140TXADKC/EA
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	Cooling [Btu/h]	11,940/41,500/47,770	11,940/41,500/47,770	11,940/45,500/52,890	11,940/45,500/52,890
Power Input (Nominal)	Cooling 1)	0.8/3.67/5.3	0.8/3.67/5.3	0.8/4.42/6.4	0.8/4.42/6.4
Current Input (Nominal)	Cooling 1)	3.7/16.7/23.0 A	3.7/16.7/23.0 A	3.7/20.4/28.0 A	3.7/20.4/28.0 A
Power	MCA [A]	34.0 A	34.0 A	34.0 A	34.0 A
	MFA [A]	40.0 A	40.0 A	40.0 A	40.0 A
Energy Efficiency	EER (Nominal Cooling) (W/W)	3.3	3.3	3.03	3.03
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"	5/8"
	Installation Max. Length [m]	75 m	75 m	75 m	75 m
	Installation Max. Height [m]	30 m	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75↑	0.75↑	0.75↑
Refrigerant	Type	R410A	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV	EEV
	Factory Charging (kg)	3.40 kg	3.40 kg	3.40 kg	3.40 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50
Fan	Type	Turbo	Turbo	Turbo	Turbo
	Motor (Output) [W]	97 W	97 W	97 W	97 W
	Number of Unit (EA)	1 EA	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	31.5/25.5/20.5 CMM	31.5/25.5/20.5 CMM	31.5/26.7/21.8 CMM	31.5/26.7/21.8 CMM
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	44/40/35 dBA	44/40/35 dBA	44/41/37 dBA	44/41/37 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	20.0 kg	20.0 kg	20.0 kg	20.0 kg
	Shipping Weight (kg)	23.5 kg	23.5 kg	23.5 kg	23.5 kg
	Net Dimensions (WxHxD) (mm)	840 x 288 x 840 mm	840 x 288 x 840 mm	840 x 288 x 840 mm	840 x 288 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 357 x 898 mm	898 x 357 x 898 mm	898 x 357 x 898 mm	898 x 357 x 898 mm
Panel Size	Panel model	PC4NUFDAN	PC4NUFDAN	PC4NUFDAN	PC4NUFDAN
	Panel Net Weight (kg)	6.3 kg	6.3 kg	6.3 kg	6.3 kg
	Shipping Weight (kg)	8.4 kg	8.4 kg	8.4 kg	8.4 kg
	Net Dimensions (WxHxD) (mm)	950 x 48 x 950 mm	950 x 48 x 950 mm	950 x 48 x 950 mm	950 x 48 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1010 x 117 x 1000 mm	1010 x 117 x 1000 mm	1010 x 117 x 1000 mm	1010 x 117 x 1000 mm
Additional Accessories	Drain Pump	Built in	Built in	Built in	Built in
	Drain Pump Max. Lifting Height/Displacement	750 /24	750 /24	750 /24	750 /24
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5TK1450FJX	UG5TK1450FJX	UG5TK1450FJX	UG5TK1450FJX
	Output(kW)	4.19 kW	4.19 kW	4.19 kW	4.19 kW
	Oil (Type)	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	1700 cc	1700 cc	1700 cc	1700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	110 CMM	110 CMM	110 CMM	110 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	53 dBA	53 dBA	54 dBA	54 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	86.5 kg	86.5 kg	86.5 kg	86.5 kg
	Shipping Weight (kg)	96.5 kg	96.5 kg	96.5 kg	96.5 kg
	Net Dimensions (WxHxD) (mm)	940 x 1210 x 330 mm	940 x 1210 x 330 mm	940 x 1210 x 330 mm	940 x 1210 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1388 x 426 mm	995 x 1388 x 426 mm	995 x 1388 x 426 mm	995 x 1388 x 426 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 50°C	-15 ~ 50°C	-15 ~ 50°C	-15 ~ 50°C
Smart	WiFi Kit	Yes	Yes	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes	Yes	Yes



Cooling Only › Inverter 1Way WindFree

Model Name	Indoor Unit	AC035TN1DKC/EA
	Outdoor Unit	AC035TXADKC/EA
System	Mode	COOLING ONLY
Capacity	Cooling [Btu/h]	3,410/12,000/13,990
Power Input (Nominal)	Cooling 1)	0.24/1.045/1.5 kW
Current Input (Nominal)	Cooling 1)	1.6/5.4/7.5 A
Power	MCA [A]	11.5 A
	MFA [A]	12.7 A
Energy Efficiency	EER (Nominal Cooling)	3.35
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"
	Gas Pipe (Φ, mm)	9.52 mm
	Gas Pipe (Φ, inch)	3/8"
	Installation Max. Length [m]	20 m
	Installation Max. Height [m]	15 m
Refrigerant	Type	R410A
	Control Method	EEV
	Factory Charging (kg)	1.05 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Fan	Type	Crossflow Fan
	Motor (Output) [W]	27 W
	Number of Unit (EA)	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	9.0/8.2/7.2 CMM
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38/35/32 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	9.2 kg
	Shipping Weight (kg)	12.0 kg
	Net Dimensions (WxHxD) (mm)	970 x 135 x 410 mm
	Shipping Dimensions (WxHxD) (mm)	1173 x 231 x 487 mm
Panel Size	Panel model	PC1NWFMAN
	Panel Net Weight (kg)	4.3 kg
	Shipping Weight (kg)	6.3 kg
	Net Dimensions (WxHxD) (mm)	1198 x 35 x 500 mm
	Shipping Dimensions (WxHxD) (mm)	1262 x 122 x 566 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Compressor	Type	BLDC Rotary
	Model	UG9AJ3090FER
	Output(kW)	0.83 kW
	Oil (Type)	POE
	Oil (Initial Charge) [cc]	320 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	30 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	48 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	30.0 kg
	Shipping Weight (kg)	32.5 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm
	Shipping Dimensions (WxHxD) (mm)	913 x 622 x 371 mm
Operating Temp. Range	Cooling (℃)	-15 ~ 50℃

COMMERCIAL | SPECIFICATIONS



Cooling Only > Inverter 1Way WindFree

Model Name	Indoor Unit	AC052TN1DKC/EA	AC071TN1DKC/EA
	Outdoor Unit	AC052TXADKC/EA	AC071TXADKC/EA
System	Mode	COOLING ONLY	COOLING ONLY
Capacity	Cooling [Btu/h]	5,120/17,000/20,470	6,140/21,000/26,610
Power Input (Nominal)	Cooling 1)	0.3/1.47/2.1 kW	0.4/1.97/3.6 kW
Current Input (Nominal)	Cooling 1)	1.7/7.1/9.5 A	2.3/9.3/16.0 A
Power	MCA [A]	21.5 A	21.5 A
	MFA [A]	25.0 A	25.0 A
Energy Efficiency	EER (Nominal Cooling)	3.4	3.1
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.7 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"
	Installation Max. Length [m]	30 m	50 m
	Installation Max. Height [m]	20 m	30 m
Refrigerant	Type	R410A	R410A
	Control Method	EEV	EEV
	Factory Charging (kg)	1.30 kg	2.00 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	65 W	65 W
	Number of Unit (EA)	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	14.0/13.0/12.0 CMM	15.0/14.0/12.5 CMM
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	41/38/35 dBA	46/42/38 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	13.4 kg	13.4 kg
	Shipping Weight (kg)	16.5 kg	16.5 kg
	Net Dimensions (WxHxD) (mm)	1200 x 138 x 450 mm	1200 x 138 x 450 mm
	Shipping Dimensions (WxHxD) (mm)	1435 x 224 x 525 mm	1435 x 224 x 525 mm
Panel Size	Panel model	PC1BWFMAN	PC1BWFMAN
	Panel Net Weight (kg)	5.0 kg	5.0 kg
	Shipping Weight (kg)	7.0 kg	7.0 kg
	Net Dimensions (WxHxD) (mm)	1410 x 35 x 500 mm	1410 x 35 x 500 mm
	Shipping Dimensions (WxHxD) (mm)	1474 x 122 x 566 mm	1474 x 122 x 566 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG9TK3150FE4	UG8T265FXAEW
	Output(kW)	1.42 kW	2.32 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	500 cc	700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	43 CMM	76 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	50 dBA	50 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	40.5 kg	52.5 kg
	Shipping Weight (kg)	43.5 kg	56.5 kg
	Net Dimensions (WxHxD) (mm)	880 x 638 x 310 mm	880 x 798 x 310 mm
	Shipping Dimensions (WxHxD) (mm)	1023 x 730 x 413 mm	1023 x 881 x 413 mm
Operating Temp. Range	Cooling (℃)	-15 ~ 50℃	-15 ~ 50℃



Cooling Only > Inverter Duct

Model Name	Indoor Unit	AC035TNLDKC/EA	AC052TNLDKC/EA
	Outdoor Unit	AC035TXADKC/EA	AC052TXADKC/EA
System	Mode	COOLING ONLY	COOLING ONLY
Capacity	Cooling [Btu/h]	3,410/12,000/13,990	4,090/17,000/19,110
Power Input (Nominal)	Cooling 1)	0.24/1.075/1.5 kW	0.35/1.565/2.2 kW
Current Input (Nominal)	Cooling 1)	1.6/5.5/7.5 A	2.1/7.4/10.0 A
Power	MCA [A]	11.7 A	22.3 A
	MFA [A]	12.9 A	25.0 A
Energy Efficiency	EER (Nominal Cooling)	3.25	3.2
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	12.7 mm
	Gas Pipe (Φ, inch)	3/8"	1/2"
	Installation Max. Length [m]	20 m	30 m
	Installation Max. Height [m]	15 m	20 m
Field Wiring	Transmission Cable	0.75↑	0.75↑
Refrigerant	Type	R410A	R410A
	Control Method	EEV	EEV
	Factory Charging (kg)	1.05 kg	1.30 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco	Sirocco
	Motor (Output) [W]	69 W	153 W
	Number of Unit (EA)	2 EA	2 EA
	Air Flow Rate (High / Mid / Low) [CMM]	9.5/8.5/7.5 CMM	14.5/12.0/9.5 CMM
	External Static Pressure (Min / Std / Max) [mmAq]	0/2.5/4.0 mmAq	0/3.0/5.0 mmAq
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	30/28/26 dBA	33/30/27 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	14.8 kg	26.5 kg
	Shipping Weight (kg)	17.7 kg	30.5 kg
	Net Dimensions (WxHxD) (mm)	700 x 199 x 440 mm	850 x 250 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	949 x 280 x 544 mm	1064 x 320 x 784 mm
Additional Accessories	Drain Pump	-	DC
	Drain Pump Max. Lifting Height/Displacement	-	750/24
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	BLDC Rotary	Twin BLDC Rotary
	Model	UG9AJ3090FER	UG9TK3150FE4
	Output(kW)	0.83 kW	1.42 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	320 cc	500 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	30 CMM	43 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	48 dBA	50 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	30.0 kg	40.5 kg
	Shipping Weight (kg)	32.5 kg	43.5 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	880 x 638 x 310 mm
	Shipping Dimensions (WxHxD) (mm)	913 x 622 x 371 mm	1023 x 730 x 413 mm
Operating Temp. Range	Cooling (℃)	-15 ~ 50℃	-15 ~ 50℃
Smart	WiFi Kit	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes

COMMERCIAL | SPECIFICATIONS



Cooling Only > Inverter Duct

Model Name	Indoor Unit	AC071TNMDKC/EA	AC100TNMDKC/EA	AC100TNMDKC/EA
	Outdoor Unit	AC071TXADKC/EA	AC100TXADKC/EA	AC100TXADNC/EA
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	Cooling [Btu/h]	7,510/22,000/27,300	10,240/34,000/40,940	10,240/34,000/40,940
Power Input (Nominal)	Cooling 1)	0.35/2.13/3.6 kW	0.6/3.125/4.7	0.6/3.125/4.7
Current Input (Nominal)	Cooling 1)	2.0/9.7/16.0 A	3.0/14.8/20.4 A	3.0/14.8/20.4 A
Power	MCA [A]	22.3 A	26.5 A	26.5 A
	MFA [A]	25.0 A	30.0 A	30.0 A
Energy Efficiency	EER (Nominal Cooling)	3.05	3.2	3.2
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"
	Installation Max. Length [m]	50 m	50 m	50 m
	Installation Max. Height [m]	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75↑	0.75↑
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV
	Factory Charging (kg)	2.00 kg	3.00 kg	3.00 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
Fan	Type	Sirocco	Sirocco	Sirocco
	Motor (Output) [W]	153 W	244 W	244 W
	Number of Unit (EA)	2 EA	3 EA	3 EA
	Air Flow Rate (High / Mid / Low) [CMM]	18.0/14.5/11.0 CMM	28.0/25.0/22.0 CMM	28.0/25.0/22.0 CMM
	External Static Pressure (Min / Std / Max) [mmAq]	0/3.0/15.0 mmAq	0/4.0/15.0	0/4.0/15.0
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37/33/29 dBA	36/33/30 dBA	36/33/30 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	26.5 kg	38.5 kg	38.5 kg
	Shipping Weight (kg)	30.5 kg	43.5 kg	43.5 kg
	Net Dimensions (WxHxD) (mm)	850 x 250 x 700 mm	1300 x 300 x 700 mm	1300 x 300 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1064 x 320 x 784 mm	1529 x 370 x 779 mm	1529 x 370 x 779 mm
Additional Accessories	Drain Pump	DC	Optional	Optional
	Drain Pump Max. Lifting Height/Displacement	750/24	750 /24	750 /24
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG8T265FXAEW	UG8T300FUBJU	UG8T300FUCJU
	Output(kW)	2.32 kW	2.82 kW	2.82 kW
	Oil (Type)	POE	POE	POE
	Oil (Initial Charge) [cc]	700 cc	1200 cc	1200 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	76 CMM	76 CMM	76 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	50 dBA	53 dBA	53 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	52.5 kg	71.0 kg	71.0 kg
	Shipping Weight (kg)	56.5 kg	76.0 kg	76.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 798 x 310 mm	940 x 998 x 330 mm	940 x 998 x 330
	Shipping Dimensions (WxHxD) (mm)	1023 x 881 x 413 mm	995 x 1096 x 426 mm	995 x 1,096 x 426
Operating Temp. Range	Cooling (℃)	-15 ~ 50℃	-15 ~ 50℃	-15 ~ 50℃
Smart	WiFi Kit	Yes	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes	Yes



Cooling Only > Duct

Model Name	Indoor Unit	AC120TNMDKC/EA	AC120TNMDKC/EA	AC140TNMDKC/EA
	Outdoor Unit	AC120TXADKC/EA	AC120TXADNC/EA	AC140TXADKC/EA
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	Cooling [Btu/h]	11,940/41,500/47,770	11,940/41,500/47,770	11,940/45,500/52,890
Power Input (Nominal)	Cooling 1)	0.8/3.67/5.3	0.8/3.67/5.5	0.8/4.42/6.4
Current Input (Nominal)	Cooling 1)	3.7/16.7/23.0 A	3.7/16.7/23.0 A	3.7/20.4/28.0 A
Power	MCA [A]	34.5 A	34.5 A	34.5 A
	MFA [A]	40.0 A	40.0 A	40.0 A
Energy Efficiency	EER (Nominal Cooling)	3.3	3.3	3.03
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"
	Installation Max. Length [m]	75 m	75 m	75 m
	Installation Max. Height [m]	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75↑	0.75↑
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV
	Factory Charging (kg)	3.40 kg	3.40 kg	3.40 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3,4,380-415,50	1,2,220-240,50
Fan	Type	Sirocco	Sirocco	Sirocco
	Motor (Output) [W]	244 W	244 W	244 W
	Number of Unit (EA)	3 EA	3 EA	3 EA
	Air Flow Rate (High / Mid / Low) [CMM]	33.0/28.0/23.0 CMM	33.0/28.0/23.0 CMM	33.0/28.0/23.0 CMM
	External Static Pressure (Min / Std / Max) [mmAq]	0/5.2/15	0/5.2/15.0	0/5.2/15
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37/34/30 dBA	37/34/30 dBA	37/34/30 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	38.5 kg	38.5 kg	38.5 kg
	Shipping Weight (kg)	43.5 kg	43.5 kg	43.5 kg
	Net Dimensions (WxHxD) (mm)	1300 x 300 x 700 mm	1300 x 300 x 700 mm	1300 x 300 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1529 x 370 x 779 mm	1529 x 370 x 779 mm	1529 x 370 x 779 mm
Additional Accessories	Drain Pump	Optional	Optional	Optional
	Drain Pump Max. Lifting Height/Displacement	750 /24	750 /24	750 /24
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3,4,380-415,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5TK1450FJX	UG5TK1450FJX	UG5TK1450FJX
	Output(kW)	4.19 kW	4.19 kW	4.19 kW
	Oil (Type)	POE	POE	POE
	Oil (Initial Charge) [cc]	1700 cc	1700 cc	1700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	110 CMM	110 CMM	110 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	53 dBA	53 dBA	54 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	86.5 kg	86.5 kg	86.5 kg
	Shipping Weight (kg)	96.5 kg	96.5 kg	96.5 kg
	Net Dimensions (WxHxD) (mm)	940 x 1210 x 330 mm	940 x 1210 x 330 mm	940 x 1210 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1388 x 426 mm	995 x 1388 x 426 mm	995 x 1388 x 426 mm
Operating Temp. Range	Cooling (℃)	-15 ~ 50℃	-15 ~ 50℃	-15 ~ 50℃
Smart	WiFi Kit	Yes	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes	Yes

COMMERCIAL | SPECIFICATIONS



Cooling Only > Duct

Model Name	Indoor Unit	AC140TNMDKC/EA	AC160TNMDKC/EA	AC160TNMDKC/EA
	Outdoor Unit	AC140TXADNC/EA	AC160TXADKC/EA	AC160TXADNC/EA
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	Cooling [Btu/h]	11,940/45,500/52,890	14,670/54,000/61,420	14,670/54,000/61,420
Power Input (Nominal)	Cooling 1)	0.8/4.42/6.4	0.95/5.215/6.8 kW	1.1/5.215/6.8 kW
Current Input (Nominal)	Cooling 1)	3.7/20.4/28.0 A	4.0/23.8/31.0 A	2.0/8.4/10.0 A
Power	MCA [A]	34.5 A	35.5 A	19.6 A
	MFA [A]	40.0 A	40.0 A	19.6 A
Energy Efficiency	EER (Nominal Cooling)	3.03	3.03	3.03
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	19.05 mm	19.05 mm
	Gas Pipe (Φ, inch)	5/8"	3/4"	3/4"
	Installation Max. Length [m]	75 m	75 m	75 m
	Installation Max. Height [m]	30 m	30 m	30 m
Field Wiring	Transmission Cable	0.75↑	0.75↑	0.75↑
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV
	Factory Charging (kg)	3.40 kg	3.80 kg	3.80 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	1,2,220-240,50	3,4,380-415,50
Fan	Type	Sirocco	Sirocco	Sirocco
	Motor (Output) [W]	244 W	350 W	350 W
	Number of Unit (EA)	3 EA	2 EA	2 EA
	Air Flow Rate (High / Mid / Low) [CMM]	33.0/28.0/23.0 CMM	50.0/44.5/39.0 CMM	50.0/44.5/39.0 CMM
	External Static Pressure (Min / Std / Max) [mmAq]	0/5.2/15.0	2.5/5.2/15.0 mmAq	2.5/5.2/15.0 mmAq
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37/34/30 dBA	44/40/36 dBA	44/40/36 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	38.5 kg	53.5 kg	53.5 kg
	Shipping Weight (kg)	43.5 kg	60.5 kg	60.5 kg
	Net Dimensions (WxHxD) (mm)	1300 x 300 x 700 mm	1200 x 360 x 650 mm	1200 x 360 x 650 mm
	Shipping Dimensions (WxHxD) (mm)	1529 x 370 x 779 mm	1456 x 440 x 778 mm	1456 x 440 x 778 mm
Additional Accessories	Drain Pump	Optional	DC	DC
	Drain Pump Max. Lifting Height/Displacement	750 /24	750/24	750/24
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	1,2,220-240,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5TK1450FJX	UG5TK5450FJX	UG5TK5450FJX
	Output(kW)	4.19 kW	4.12 kW	4.12 kW
	Oil (Type)	POE	POE	POE
	Oil (Initial Charge) [cc]	1700 cc	1700 cc	1700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	110 CMM	115 CMM	115 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	54 dBA	56 dBA	56 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	86.5 kg	96.0 kg	96.0 kg
	Shipping Weight (kg)	96.5 kg	106.0 kg	106.0 kg
	Net Dimensions (WxHxD) (mm)	940 x 1210 x 330 mm	940 x 1420 x 330 mm	940 x 1420 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1388 x 426 mm	995 x 1598 x 426 mm	995 x 1598 x 426 mm
Operating Temp. Range	Cooling (℃)	-15 ~ 50℃	-15 ~ 50℃	-15 ~ 50℃
Smart	WiFi Kit	Yes	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes	Yes



Cooling Only > On Off 4Way Cassette

Model Name	Indoor Unit	AC052NN4SEC/EA	AC071NN4SEC/EA	AC090NN4SEC/EA
	Outdoor Unit	AC052NX4SEC/EA	AC071NX4SEC/EA	AC090NX4SEC/EA
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	Cooling [Btu/h]	18000	22180	28000
Power Input (Nominal)	Cooling 1)	1.68 kW	2.03 kW	2.41 kW
Current Input (Nominal)	Cooling 1)	8.0 A	8.9 A	10.4 A
Power	MCA [A]	15.2 A	18.3 A	21.1 A
	MFA [A]	17.8 A	21.6 A	25.1 A
Energy Efficiency	EER (Nominal Cooling) (W/W)	3.15	3.2	3.4
	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	9.52 mm
Piping Connections	Liquid Pipe (Φ, inch)	1/4"	1/4"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"	5/8"
	Installation Max. Length [m]	30 m	30 m	50 m
	Installation Max. Height [m]	15 m	15 m	30 m
Refrigerant	Type	R410A	R410A	R410A
	Control Method	Capillary tube	Capillary tube	Capillary tube
	Factory Charging (kg)	1.3 kg	2.0 kg	2.5 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo	Turbo	Turbo
	Motor (Output) [W]	65 W	65 W	97 W
	Number of Unit (EA)	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	18.5/16.5/14.5 CMM	23.0/21.0/19.0 CMM	30.0/28.0/26.0 CMM
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	45/43/41 dBA	46/44/42 dBA	43/41/39 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	15 kg	15 kg	18 kg
	Shipping Weight (kg)	18 kg	18 kg	22 kg
	Net Dimensions (WxHxD) (mm)	840 x 204 x 840 mm	840 x 204 x 840 mm	840 x 288 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 275 x 898 mm	898 x 275 x 898 mm	898 x 357 x 898 mm
Panel Size	Panel model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight (kg)	5.8 kg	5.8 kg	5.8 kg
	Shipping Weight (kg)	8.4 kg	8.4 kg	8.4 kg
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950 mm	950 x 45 x 950 mm	950 x 45 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Rotary	Rotary	Rotary
	Model	UG8CH8180DEH	UG5CH8215DEM	ASQ300S1SMV
	Output(kW)	1.76 kW	2.02 kW	2.42 kW
	Oil (Type)	POE	POE	RB75EA
	Oil (Initial Charge) [cc]	540 cc	800 cc	1100 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	49.8 CMM	52.5 CMM	58 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	52 dBA	52 dBA	55 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	45.3 kg	58.5 kg	66 kg
	Shipping Weight (kg)	48.3 kg	62.5 kg	71 kg
	Net Dimensions (WxHxD) (mm)	880*638*310 mm	880*793*310 mm	880*931*320 mm
	Shipping Dimensions (WxHxD) (mm)	1023*755*413 mm	1023*911*413 mm	1047*1045*415 mm
Operating Temp. Range	Cooling (℃)	21 ~ 54 ℃	21 ~ 54 ℃	21 ~ 54 ℃

COMMERCIAL | SPECIFICATIONS



Cooling Only > On Off 4Way Cassette

Model Name	Indoor Unit	AC100NN4SEC/EA	AC120NN4SEC/EA	AC140NN4SEC/EA
	Outdoor Unit	AC100NX4SGC/EA	AC120NX4SGC/EA	AC140NX4SGC/EA
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	Cooling [Btu/h]	37800	41300	47800
Power Input (Nominal)	Cooling 1)	3.68 kW	4.03 kW	5.00 kW
Current Input (Nominal)	Cooling 1)	6.6 A	7.0 A	8.9 A
Power	MCA [A]	10.8 A	11.7 A	14.6 A
	MFA [A]	12.3 A	13.4 A	17.0 A
Energy Efficiency	EER (Nominal Cooling) (W/W)	3.02	3	2.8
	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm
Piping Connections	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"
	Installation Max. Length [m]	50 m	50 m	50 m
	Installation Max. Height [m]	30 m	30 m	30 m
Refrigerant	Type	R410A	R410A	R410A
	Control Method	Capillary tube	Capillary tube	Capillary tube
	Factory Charging (kg)	2.6 kg	2.7 kg	2.7 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo	Turbo	Turbo
	Motor (Output) [W]	97 W	97 W	97 W
	Number of Unit (EA)	1 EA	1 EA	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	31.5/29.0/26.5 CMM	31.5/29.0/26.5 CMM	33.5/30.0/26.5 CMM
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	44/42/40 dBA	45/43/41 dBA	46/44/42 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	18 kg	18 kg	18 kg
	Shipping Weight (kg)	22 kg	22 kg	22 kg
	Net Dimensions (WxHxD) (mm)	840 x 288 x 840 mm	840 x 288 x 840 mm	840 x 288 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 357 x 898 mm	898 x 357 x 898 mm	898 x 357 x 898 mm
Panel Size	Panel model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight (kg)	5.8 kg	5.8 kg	5.8 kg
	Shipping Weight (kg)	8.4 kg	8.4 kg	8.4 kg
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950 mm	950 x 45 x 950 mm	950 x 45 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Compressor	Type	Rotary	Rotary	Rotary
	Model	UG3AK5415BH2	UG3T450BUAHY	UG3T530BUAHY
	Output(kW)	3.88 kW	4.38 kW	5.19 kW
	Oil (Type)	POE	POE	POE
	Oil (Initial Charge) [cc]	1600 cc	1700 cc	1700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	105 CMM	105 CMM	105 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	54 dBA	54 dBA	54 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	93 kg	98 kg	98 kg
	Shipping Weight (kg)	103 kg	108 kg	108 kg
	Net Dimensions (WxHxD) (mm)	932*1162*375 mm	932*1162*375 mm	932*1162*375 mm
	Shipping Dimensions (WxHxD) (mm)	1095*1286*476 mm	1095*1286*476 mm	1095*1286*476 mm
Operating Temp. Range	Cooling (℃)	21 ~ 54℃	21 ~ 54℃	21 ~ 54℃



Cooling Only › On Off Duct

Model Name	Indoor Unit	AC052NNMSEC/EA	AC071NNMSEC/EA	AC090NNMSEC/EA
	Outdoor Unit	AC052NXMSEC/EA	AC071NXMSEC/EA	AC090NXMSEC/EA
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	Cooling [Btu/h]	18000	22180	28000
Power Input (Nominal)	Cooling 1)	1.71 kW	2.03 kW	2.48 kW
Current Input (Nominal)	Cooling 1)	8.0 A	8.9 A	10.9 A
Power	MCA [A]	17.0 A	20.6 A	24.6 A
	MFA [A]	18.7 A	22.7 A	27.1 A
Energy Efficiency	EER (Nominal Cooling) (W/W)	3.1	3.2	3.3
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"	5/8"
	Installation Max. Length [m]	30 m	30 m	50 m
	Installation Max. Height [m]	15 m	15 m	30 m
Refrigerant	Type	R410A	R410A	R410A
	Control Method	Capillary tube	Capillary tube	Capillary tube
	Factory Charging (kg)	1.3 kg	2.0 kg	2.5 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	150 W	150 W	150 W
	Number of Unit (EA)	2 EA	2 EA	2 EA
	Air Flow Rate (High / Mid / Low) [CMM]	15.0/14.2/13.5 CMM	22.5/20.5/18.5 CMM	29.0/24.5/20.0 CMM
	External Static Pressure (Min / Std / Max) [mmAq]	3/3/15 mmAq	3/3/15 mmAq	4/4/15 mmAq
	External Static Pressure (Min / Std / Max) [Pa]			
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	35/33/31 dBA	40/38/36 dBA	42/38/34 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	30 kg	30 kg	33 kg
	Shipping Weight (kg)	34.5 kg	34.5 kg	37.2 kg
	Net Dimensions (WxHxD) (mm)	1150x260x480 mm	1150x260x480 mm	1150*320*480 mm
	Shipping Dimensions (WxHxD) (mm)	1419x340x594 mm	1419x340x594 mm	1419*400*594 mm
Additional Accessories	Drain Pump	MDP-M075SGU1D	MDP-M075SGU1D	MDP-M075SGU1D
	Drain Pump Max. Lifting Height/Displacement	1200mm/400cc	1200mm/400cc	1200mm/400cc
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Rotary	Rotary	Rotary
	Model	UG8CH8180DEH	UG5CH8215DEM	ASQ300S1SMV
	Output(kW)	1.76 kW	2.02 kW	2.42 kW
	Oil (Type)	POE	POE	RB75EA
	Oil (Initial Charge) [cc]	540 cc	800 cc	1100 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	49.8 CMM	52.5 CMM	58 CMM
	Air Flow Rate (Cooling) [L/S]	830	875	966
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	52 dBA	52 dBA	55 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	45.3 kg	58.5 kg	66 kg
	Shipping Weight (kg)	48.3 kg	62.5 kg	71 kg
	Net Dimensions (WxHxD) (mm)	880*638*310 mm	880*793*310 mm	880*931*320 mm
	Shipping Dimensions (WxHxD) (mm)	1023*755*413 mm	1023*911*413 mm	1047*1045*415 mm
Operating Temp. Range	Cooling (℃)	21 ~ 54 ℃	21 ~ 54 ℃	21 ~ 54 ℃



Cooling Only > On Off Duct

Model Name	Indoor Unit	AC100NNMSEC/EA	AC120NNMSEC/EA	AC140NNMSEC/EA	AC160NNMSEC/EA
	Outdoor Unit	AC100NXMSGC/EA	AC120NXMSGC/EA	AC140NXMSGC/EA	AC160NXMSGC/EA
System	Mode	Cooling Only	Cooling Only	Cooling Only	Cooling Only
Capacity	Cooling [Btu/h]	37800	42600	47800	52500
Power Input (Nominal)	Cooling 1)	3.79 kW	4.17 kW	5.19 kW	5.50 kW
Current Input (Nominal)	Cooling 1)	6.7 A	0.291666667	8.9 A	9.4 A
Power	MCA [A]	13.5 A	14.9 A	17.5 A	19.9 A
	MFA [A]	14.9 A	16.4 A	19.3 A	21.9 A
Energy Efficiency	EER (Nominal Cooling) (W/W)	2.93	3	2.7	2.8
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm	19.05 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"	3/4"
	Installation Max. Length [m]	50 m	50 m	50 m	50 m
	Installation Max. Height [m]	30 m	30 m	30 m	30 m
Refrigerant	Type	R410A	R410A	R410A	R410A
	Control Method	Capillary tube	Capillary tube	Capillary tube	Capillary tube
	Factory Charging (kg)	2.6 kg	2.7 kg	2.7 kg	2.9 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	200 W	200 W	200 W	350 W
	Number of Unit (EA)	2 EA	2 EA	2 EA	2 EA
	Air Flow Rate (High / Mid / Low) [CMM]	29.0/24.5/20.0 CMM	34.0/29.0/24.5 CMM	34.0/29.0/24.5 CMM	50.0/44.5/39.0 CMM
	External Static Pressure (Min / Std / Max) [mmAq]	4/4/15 mmAq	5.2/5.2/15 mmAq	5.2/5.2/15 mmAq	5.2/5.2/15 mmAq
	External Static Pressure (Min / Std / Max) [Pa]				
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42/38/34 dBA	42/38/34 dBA	42/38/34 dBA	44/40/36 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	33 kg	47.8 kg	47.8 kg	53 kg
	Shipping Weight (kg)	37.2 kg	54.5 kg	54.5 kg	59 kg
	Net Dimensions (WxHxD) (mm)	1150*320*480 mm	1200*360*650 mm	1200*360*650 mm	1200*360*650 mm
	Shipping Dimensions (WxHxD) (mm)	1419*400*594 mm	1460*455*780 mm	1460*455*780 mm	1460*455*780 mm
Additional Accessories	Drain Pump	MDP-M075SGU1D	MDP-M075SGU2D	MDP-M075SGU2D	MDP-M075SGU2D
	Drain Pump Max. Lifting Height/Displacement	1200mm/400cc	1200mm/400cc	1200mm/400cc	1200mm/400cc
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Compressor	Type	Rotary	Rotary	Rotary	Rotary
	Model	UG3AK5415BH2	UG3T450BUAHY	UG3T530BUAHY	UG3T530BUAHY
	Output(kW)	3.88 kW	4.38 kW	5.19 kW	5.19 kW
	Oil (Type)	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	1600 cc	1700 cc	1700 cc	1700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	105 CMM	105 CMM	105 CMM	105 CMM
	Air Flow Rate (Cooling) [L/S]	1750	1750	1750	1750
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	54 dBA	54 dBA	54 dBA	55 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	93 kg	98 kg	98 kg	99.5 kg
	Shipping Weight (kg)	103 kg	108 kg	108 kg	109.5 kg
	Net Dimensions (WxHxD) (mm)	932*1162*375 mm	932*1162*375 mm	932*1162*375 mm	932*1162*375 mm
	Shipping Dimensions (WxHxD) (mm)	1095*1286*476 mm	1095*1286*476 mm	1095*1286*476 mm	1095*1286*476 mm
Operating Temp. Range	Cooling (℃)	21 ~ 54℃	21 ~ 54℃	21 ~ 54℃	21 ~ 54℃

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