

SAMSUNG



Product Catalogue

Residential &
Light Commercial

2023

Highlights for 2023

WindFree™ Pure 1.0

Samsung introduced the market's first air conditioner with WindFree™ technology in 2017. WindFree™ Cooling disperses fresh air gently and evenly through thousands of micro-holes, creating "Still Air" conditions¹. It allows people to live, work and relax comfortably without experiencing unpleasant cold drafts. In 2020, Samsung introduced a completely new WindFree™ range with a modernised design, featuring new intelligent technologies for enhanced indoor comfort and improved energy efficiency.

In 2021, Samsung introduced WindFree™ Pure 1.0. The WindFree™ Pure 1.0 is an air conditioning system equipped with a powerful electromagnetic PM1.0 Filter, which works as an air purifier. The PM1.0 Filter not only effectively captures ultrafine dust up to 0.3 µm but also inactivates certain types of bacteria² that are captured, using an electrostatic precipitator. It has two main parts that charge and collect certain dust particles and certain types of bacteria. The brush discharger generates negative ions and these give the collected dust particles and certain types of bacteria a negative charge, so they become strongly attached to the ground electrode due to the electrostatic force of the collector. Thus the filter enables an indoor climate with cleaner air from small rooms to large living rooms anytime, anywhere.



WindFree™ Pure 1.0

A++

A++



WindFree™
Cooling



Wi-Fi Control



Easy Filter Plus



PM 1.0 Filter



Freeze Wash



AI Auto Comfort



R32 Refrigerant

- Digital Inverter Boost technology enables Faster Cooling and improved energy efficiency.
- Freeze Wash function enables cleaning of the heat exchanger.
- Equipped with an electrostatic PM1.0 Filter.
- Easy maintenance with washable filters: PM1.0 Filter and Easy Filter Plus.
- Available for Single Split (RAC) in capacity 2.5 kW and 3.5 kW.
- The end user can easily see the indicated indoor air quality on the indoor unit display.

¹ ASHRAE (American Society of Heating, Refrigeration, and Air-Conditioning Engineers) defines "Still Air" as air currents moving at speeds below 0.15m/s, which lacks the presence of cold draughts.

² Certain types of bacteria referred too are Escherichia coli and Staphylococcus aureus. *Verified by Intertek, Report Number RT20E-S0010-R, Issue Date: 17 April 2020.

Smart Connectivity with Amazon Alexa and Google Assistant

Remotely activate and control your home temperature, simply via a voice command² or a simple click. All of our Single Split Air Conditioning systems with embedded Wi-Fi connection, in addition to our Multi-Split and Light Commercial systems with optional Wi-Fi kit are compatible with Google Assistant³ and Amazon Alexa³, as well as with Samsung Smart Things app¹ and Bixby 2.0 Artificial Intelligence (AI) system^{1, 2, 3}.

¹ A Wi-Fi connection and Samsung SmartThings application account are required. Wi-Fi Kit to be ordered separately. Requires iOS 10.0 or later & Android 5.0 or later.

² Currently Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish and Portuguese.

³ Voice control is supported by AI speakers such as Samsung Bixby 2.0, Google Assistant (Google Home) and Amazon Alexa. Google Assistant is not available in certain languages and countries. Google is a trademark of Google LLC.



CAC High Energy Efficiency (HEE) Range

Samsung extends its CAC line-up with the CAC High Energy Efficiency (HEE) Range (R32). The range allows for more flexibility with an enlarged line-up. This means these range of outdoor units are compatible with Samsung's CAC HEE line of Cassettes (WindFree™ 4-Way 600 x 600 Cassette, WindFree™ 4-Way Cassette, 360 Cassette) but also with MSP Ducts, RAC range, Ceiling and Console units.



The core features are:

- The range offers more flexibility with enlarged line-up: 19 models are added
- It has Wide Operation Range as a feature and can therefore provide cooling up to 52°C and heating down to -25°C.
- It has an enhanced performance of 100% heating capacity at -15°C
- Smart Outdoor Unit with Inverter PBA self diagnosis and maximum capacity control
- Compatible with Single Wi-Fi Kit

SolarCell Remote Controller



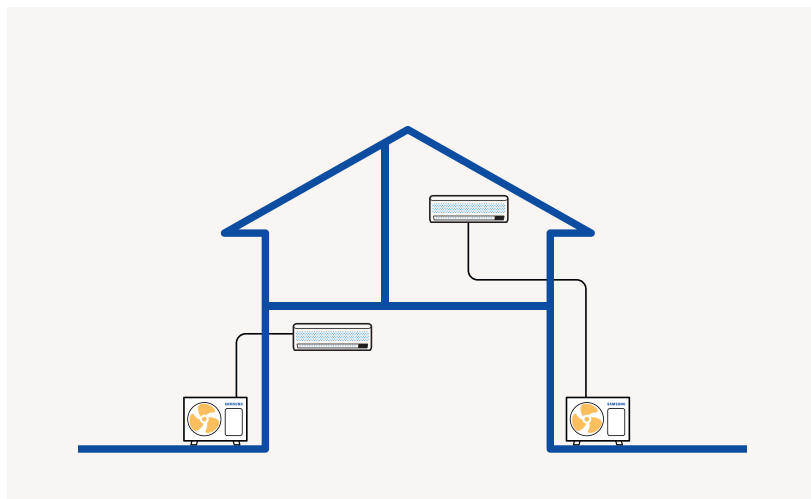
Samsung introduces an ecological solution, the SolarCell Remote controller to its residential air conditioning line-up¹. The new SolarCell remote controller focuses on innovative charging, slim design, easy usability and eco-friendly features. The SolarCell remote controller does not need batteries; instead a solar panel is integrated on the back of the remote controller that allows charging by exposing it under direct light. A single, fully charged battery can last up to two years, making it an economical alternative to disposable batteries and therefore is a sustainable upgrade. In addition, there is also a USB-C port on the bottom of the remote control for fast charging. It has better grip, easier button controls, large OLED display and it is lightweight.

¹ The SolarCell Remote Controller is included with the WindFree™ Elite and WindFree™ Pure 1,0.

Product overview

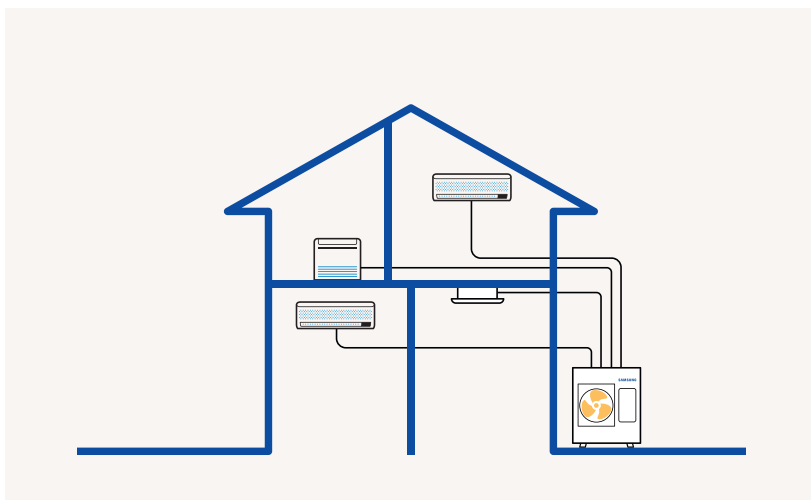
Single Split

A Samsung Residential Single Split air conditioner is easy to install and connects an outdoor unit to one single wall-mounted indoor unit. It is an ideal climate solution for the targeted cooling or heating of single rooms, ranging from living rooms to bedrooms.



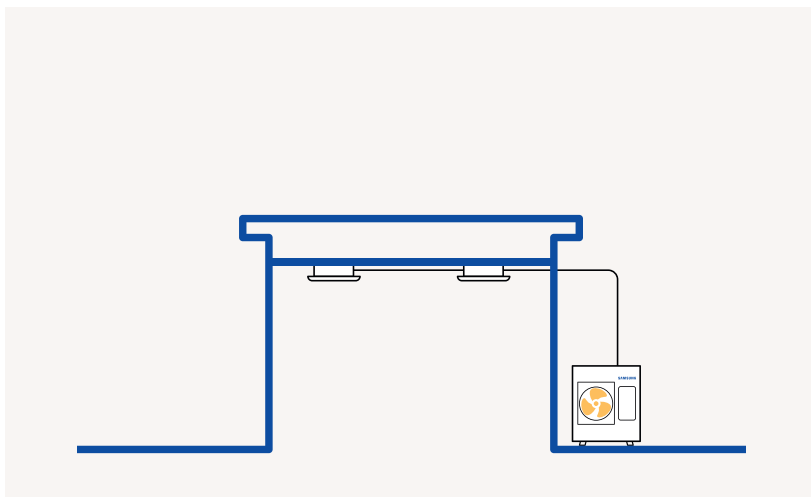
Multi Split

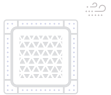
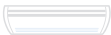
The versatility of a Samsung Multi Split air conditioner allows for the option of connecting an outdoor unit to up to five indoor units. This is the recommended option when the indoor climate of multiple rooms has to be individually managed, such as in houses or small business premises.

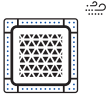
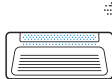
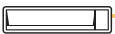
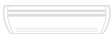


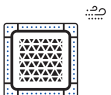
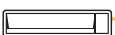
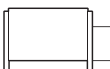
Commercial Split

A Samsung Commercial Split air conditioning system is designed for cooling or heating larger areas, requiring larger capacities and multiple indoor units to function in unison. This is the optimal climate solution for light commercial applications, such as medium-sized retail spaces or offices.



Available Samsung product range						
Indoor units				Outdoor units	Controls	
						
Wall-Mounted	360 Cassette	4-Way Cassette	1-Way Cassette	R32	Wireless	Wired
						Centralised
Duct	Floor	Ceiling	Console	R410A		

Available Samsung product range						
Indoor units				Outdoor units	Controls	
						
Wall-Mounted	360 Cassette	4-Way Cassette	1-Way Cassette	R32	Wireless	Wired
						Centralised
Duct	Floor	Ceiling	Console	R410A		

Available Samsung product range						
Indoor units				Outdoor units	Controls	
						
Wall-Mounted	360 Cassette	4-Way Cassette	1-Way Cassette	R32	Wireless	Wired
						Centralised
Duct	Floor	Ceiling	Console	R410A		

Schematic drawings are for illustrative purposes only. For accurate installation information please consult the technical data book. The selection of the exact product is subject to specific application conditions. For more detailed product information and technical specifications, please consult the respective product pages of this Product Catalogue.



Table of contents

Introduction

Samsung Climate Solutions at a glance
Reference projects in the spotlight
Regulations and standards
Certifications

Innovations in detail

WindFree™ Wall-Mounted
360 Cassette
WindFree™ 4-Way Cassette
WindFree™ 1-Way Cassette
Duct
CAC HEE **NEW**
Airzone **NEW**
LSP Slim Duct

Products at a glance

Single and Multi Split
Commercial Split

Single Split

Line-up
Selection guide
Nomenclature
WindFree™ Elite
WindFree™ Pure 1.0
WindFree™ Avant
WindFree™ Comfort
Cebu
Luzon
AR35 and AR30
Nordic WindFree™ Geo
Nordic Geo Premium **NEW**
Nordic Geo
Nordic Airise Plus **NEW**
Nordic Airise

Multi Split

Line-up
Selection guide
Nomenclature
Compatibility guide
Outdoor units
WindFree™ Elite
WindFree™ Avant
WindFree™ Comfort
Cebu
Luzon
WindFree™ 4-Way 600 x 600 Cassette
WindFree™ 1-Way Cassette
MSP Duct
LSP Slim Duct
Console

8 Commercial Split

Line-up
Selection Guide
Nomenclature
Twin/triple/quad combinations
360 Cassette

- 18 360 Cassette HEE **NEW**
WindFree™ 4-Way 600 x 600 Cassette
WindFree™ 4-Way 600 x 600 Cassette HEE **NEW**
WindFree™ 4-Way Cassette
WindFree™ 4-Way Cassette HEE **NEW**
WindFree™ 1-Way Cassette
HSP Duct (R410A)
MSP Duct
MSP Duct HEE **NEW**
LSP Duct
- 48 WindFree™ Deluxe
WindFree™ Deluxe HEE **NEW**
Max Wall-Mounted
Max Wall-Mounted HEE **NEW**
- 52 Console
Console HEE **NEW**
Ceiling
Ceiling HEE **NEW**
Big Ceiling
Floor-Standing (R410A)

Controls

Line-up
Features and dimensional drawings

Accessories

Line-up

Design and support

Design and support
Samsung Climate Solutions Partner Portal
DVM Pro 2.0
Samsung Specialist Design Support
Samsung Climate Solutions Academy

168

266

274

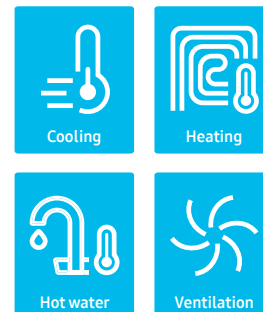
278

110

Samsung Climate Solutions at a glance

Samsung Climate Solutions aims to help people find their flow, so they may feel and live their best life – be it at work, play or rest. We are committed to offering more energy-efficient solutions with innovative cooling, heating, domestic hot water, refrigeration and smart building solutions. For every space where people create memorable experiences together, be it commercial spaces or residential homes.

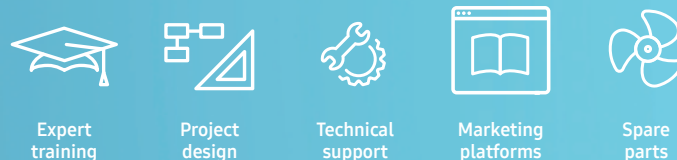
We offer:



Our market-centric product ranges

	Home	Hotel	Retail	Office	Education	Restaurant
Residential	RAC FJM					
Light Commercial	CAC FJM			CAC		
Commercial				DVM HVM ERV		
Heating	EHS					
Controls				CONTROLS		

Services we provide to empower our partners



Corporate and Technology milestones that make us proud

1974

Samsung introduces its first air conditioner.

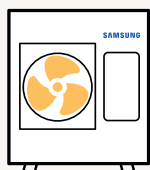
2005

Samsung Electronics enters the European market for commercial air conditioning.

2017

Samsung Electronics opens Samsung Electronics Air Conditioner Europe B.V. (SEACE) in Amsterdam.

2014



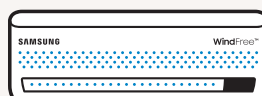
Arrival of the Samsung TDM concept, an all-in-one heat pump solution for heating, cooling and domestic hot water supply.

2015



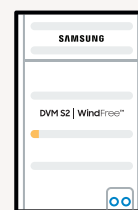
Introduction of the Samsung 360 Cassette, the world's first circular air conditioner that fits seamlessly into the design of any space.

2017



Samsung WindFree™ technology comes onto the market, gently and evenly dispersing fresh air through thousands of micro-holes to limit cold drafts.

2021



Samsung launches the sixth generation of its Digital Variable Multi the DVM S2 equipped with AI technology, enhanced energy efficiency performance, easier installation and serviceability.

WindFree™



WindFree™
Cooling

SmartThings



Wi-Fi
Control

b. IoT



Building Management
System

**Our flagship
innovations
that enrich
people's lives**

**Our European
footprint with
the locations
from which
we operate**

- 1 | Samsung Electronics Air Conditioner Europe B.V.
- 16 | Samsung offices
- 8 | Warehouses
- 9 | Training centres



Samsung reference projects in the spotlight

Circle K





Zigmundas Kepalas

Manager Real Estate Development

Circle K Lietuv
Savanoriu pr. 404B, Kauans

"Circle K is one of the largest gas station chains in Lithuania which offers premium products and excellent service. In 2016 we developed a new retail store concept featuring a black ceiling. To complement the redesign of the stores, we looked for air conditioners that would fit seamlessly with our upgraded design. The Samsung 360 Cassette proved to be the best solution for us. The 360 Cassette evenly distributes air inside the stores to create the perfect microclimate for customers and operators and the round design and black-colored panels perfectly fit the interior. The unit is also easier to maintain compared to other air conditioners, and blade dust is eliminated due to its bladeless design. We have installed a total of eighty 360 Cassettes at our stores throughout Lithuania."

Application

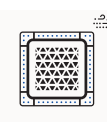


Retail

Samsung products installed



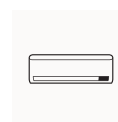
360 Cassette



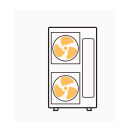
WindFree™
4-Way Cassette



Ceiling unit



Wall-Mounted



Commercial Split
Outdoor Unit

Regulations and standards

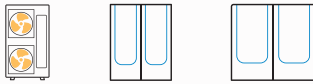
We monitor applicable environmental standards and laws and regulations in the context of our climate solutions operations. Samsung also conducts environmental improvement activities across all product development, production, distribution, use and disposal phases.

Ecodesign

The Ecodesign Directive for Energy Related Products (ErP) aims to raise awareness about the energy efficiency of products, while encouraging manufacturers to make their products more energy efficient from the design phase. The Directive is applicable to a broad range of cooling and heating products which have been divided into different lots.

LOT 10 was implemented on 1 January 2013 and covers air conditioners with a capacity less than 12 kW; typically residential or light commercial systems. It requires manufacturers to provide highly visible information regarding energy efficiency including an energy label.

LOT 1 and 2 took effect on 26 September 2015 and include residential air to water heat pumps for space heating and hot water production respectively (< 400 kW). It is mandatory to provide energy labels for products with a capacity lower than 70 kW. On 1 January 2018, LOT 21 came into force. LOT 21 covers commercial cooling and heating products with a capacity greater than 12 kW. It does not require manufacturers to publish energy labels, but energy performance data should be made available online.

	LOTS 1/2	LOT 10	LOT 21
In effect since	26 September 2015	1 January 2013	1 January 2018
Applicable products	A2W heat pumps < 400 kW	Air conditioners < 12 kW	Air conditioners > 12 kW
Energy label required	✓	✓	
Samsung product range	 EHS	 RAC FJM CAC	 CAC DVM HVM

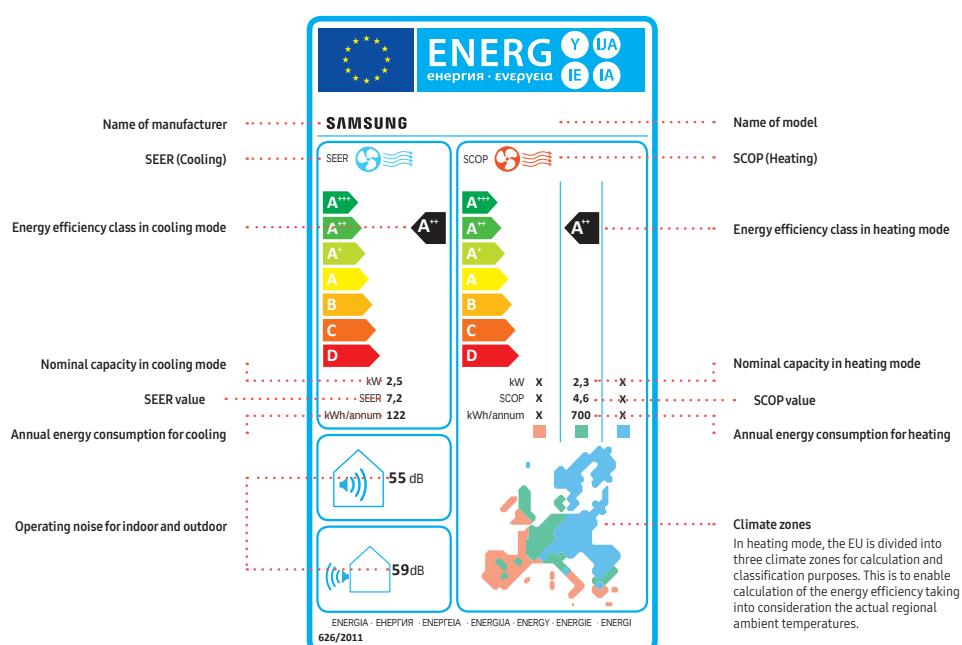
Energy label

Since January 2013, all air conditioners with a rated capacity of < 12 kW for cooling or heating must bear 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 ranges from A+++ to D, with A+++ being the most efficient.

The energy label should provide the minimum necessary information such as the product model, energy efficiency class, average annual energy consumption, SEER/SCOP values and noise level. The energy efficiency class is determined by measurements and calculations and should fall within the ranges indicated in 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

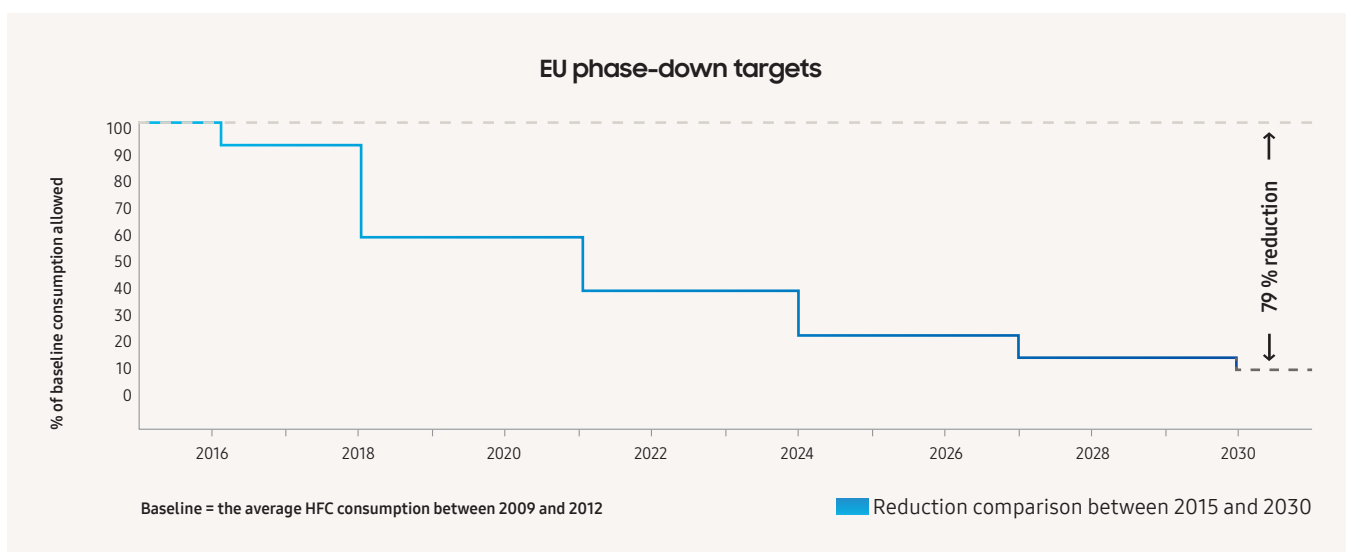
Except single duct and double duct air conditioners.



F-Gas regulation

The EU aims to reduce the environmental impact of F-gases through the reduction of the CO₂ equivalent consumption of HFCs (hydrofluorocarbons). EU regulation 517/2014 prescribes a phase-down of HFCs, where the quantities of HFCs that are placed on the market are gradually reduced through the allocation of quotas by the European Commission. The phase-down targets are expressed in CO₂ equivalents (= kg x GWP - Global Warming Potential) and aim to reduce HFC consumption by 79 % in 2030.

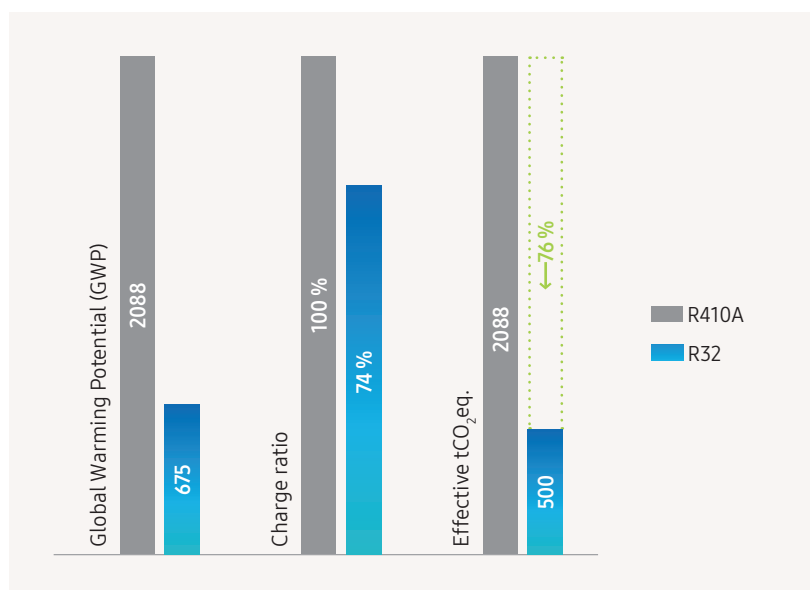
For new installations of single split air conditioners with a refrigerant charge below 3 kg, the GWP limit is set at 750 starting in 2025. The regulation has been put into force to encourage the industry and its users to transition to refrigerants with a lower GWP. Samsung is accelerating the transition towards lower GWP refrigerants, such as R32, and will continue to invest in environmentally friendly alternatives.



R32 Refrigerant

R32 refrigerant contributes to meeting the F-gas regulation targets as described in EU regulation 517/2014. Air conditioners with R32 refrigerant have a Global Warming Potential (GWP) of 675, which is significantly lower than the GWP of R410A (2,088). While refrigerants are an essential part of today's air conditioners, R32 would have a 68 % lower environmental impact¹ than R410A if leaked into the atmosphere. It has an Ozone Depletion Potential (ODP) of zero, a high refrigeration capacity and a high thermal conductivity; meaning a high efficiency and a reduction in charging volume. Samsung's Single Split (RAC), Multi Split (FJM) and Commercial Split (CAC) product ranges upto 12 kW all feature R32 refrigerant.

¹ Comparison between R410A and R32 GWP. Source: European Commission.



WEEE: Electronic Waste

Samsung adheres to the WEEE (Waste Electrical and Electronic Equipment) Directive. This Directive applies to the principles of extended producer responsibility. It stipulates the safe collection, treatment, recycling and environmentally sound disposal of all electrical and electronic equipment. By working with collective recycling schemes in each EU member state Samsung co-finances the take-back and recycling of electronic products.

Batteries

Samsung has been giving new life to used batteries by funding collection, treatment and recycling by local battery recycling organisations.

Packaging

Samsung works together with recycling schemes and governmental organisations to collect, separate and reuse 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 reuse valuable raw materials and to reduce the overall impact on the environment.

Certifications

Intertek

Intertek is a leading Total Quality Assurance provider to industries worldwide verifying air quality¹. To deliver credibility, Intertek maintains extensive global accreditations and recognitions for testing and certification services. Working with Intertek helps showcase and maintain products' safety and performance attributes. Intertek's expertise in regulatory standards and certifications keeps you ahead of changes and challenges.

Intertek offers certification programmes that achieve market entry into a variety of global destinations, programmes for a more eco-friendly environment and also programmes to verify social accountability compliance for both manufacturers and suppliers.

Samsung's Tri-Care Filter, Air Purification Panels for WindFree™ Pure 1.0, WindFree™ 1-Way Cassette, WindFree™ 4-Way Cassette and 360 Cassette have been verified by Intertek.



Eurovent

Eurovent is globally known for its quality mark 'Eurovent Certified Performance' which certifies performance ratings of air-conditioning and refrigeration products according to European and international standards. The 'Eurovent Certified Performance' mark indicates that the prescribed quality requirement has been fulfilled and should not require the need to be proven after the customer's decision and after the manufacturer's production process.

Eurovent is an accredited third-party certification body. It builds customer confidence by leveling the competitive playing field for all manufacturers and by increasing the integrity and accuracy of the industrial performance ratings. Thus providing trustworthy services to the entire ecosystem.

Samsung air conditioning products ranging from the Single Split (RAC), Multi Split (FJM), Commercial Split (CAC), Variable Refrigerant Flow (VRF) and Eco Heating System (EHS) line-up in the 'Air-to-Water' (A2W) heat pump category are all Eurovent certified.

To check the ongoing validity of the Eurovent certified products from Samsung, please visit: www.eurovent-certification.com



¹ Our products have not been tested for their effects on the COVID-19 virus. Therefore, we do not make or give any express or implied claims or guarantees with regard to COVID-19.



Innovations in detail

Wall-Mounted

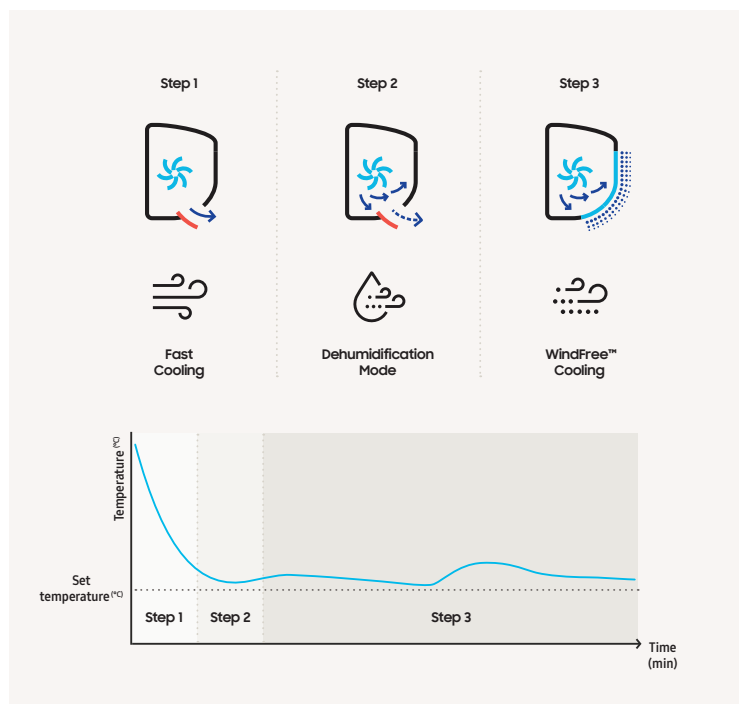
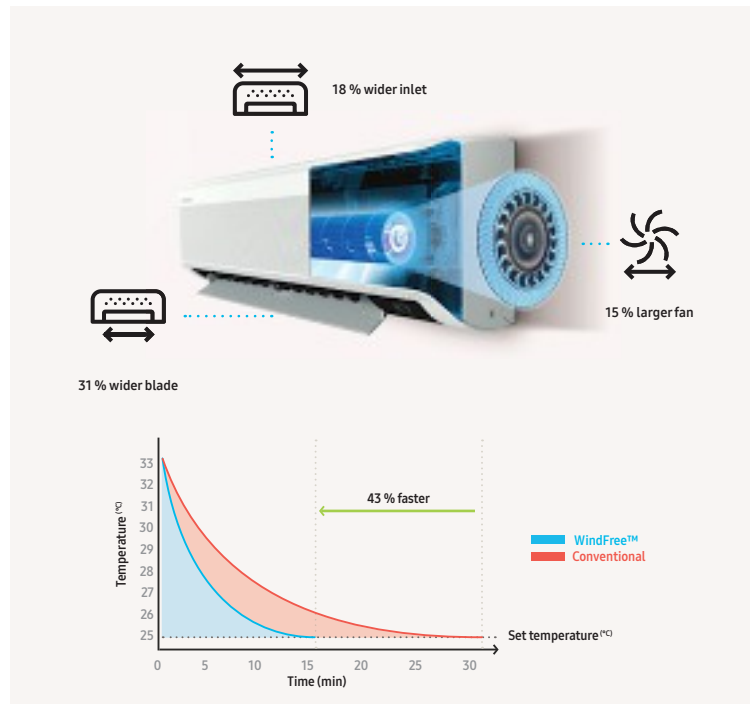
Fast Cooling

Samsung wall-mounted air conditioners with WindFree™ technology cools quickly from corner to corner, making people comfortable whenever they want and wherever they are. Powerboost with Digital Inverter TT (Twin Tube) technology dramatically shortens the time it takes for the compressor to reach maximum power when it starts operating, so it cools the air 43 % faster¹. Its advanced design also features a 15 % larger fan, 18 % wider inlet and a 31 % wider blade compared to Samsung conventional model². This means that cool air is dispersed farther and wider into every corner of a room, reaching up to 15 metres³.

¹ Tested on the AR12TXCAAWKEU model compared with the Samsung conventional model AQ12EASER under specific testing conditions and may vary depending on environmental factors and use.

² Comparing the AR12TXCAAWKEU model with the Samsung conventional model AQ12EASER

³ Tested on the AR24TXCAWKNEU model under specific testing conditions and may vary depending on environmental factors and use.



Not all features are available for all models.

WindFree™ Cooling Mode

WindFree™ Cooling mode keeps the room comfortably cool. It cools gently and quietly, dispersing air through up to 23,000 microholes so that people never have to deal with the unpleasant feeling of a cold draft on their skin. This results in a "Still Air" environment¹ with a very low air speed and limited noise². The advanced airflow structure of this mode also means that it cools a wider and larger area more evenly. And it consumes up to 77 % less energy than Fast Cooling mode³ so people can stay comfortably cool while reducing energy costs.

¹ ASHRAE (the American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as air currents moving at speeds below 0.15 m/s, with no cold drafts.

² Tested on the AR12TXCAAWKNEU model in an anechoic environment. WindFree™ mode generates 23 dB(A) of noise, compared to 26 dB(A) produced by the conventional Samsung model. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ according to operating conditions.

³ Tested on the AR12TVEAAWKNAP model under specific testing conditions, based on the power consumption of Fast Cooling mode vs. WindFree™ Cooling mode.



AI Auto Comfort

AI Auto Comfort introduces residents to the experience of intelligent climate control¹. To make life simpler and more efficient it automatically optimises the various modes by analysing room conditions and usage patterns². Based on the users' preferred indoor temperature and the actual outside temperature, the unit automatically switches to the most appropriate cooling and heating mode to maintain optimal and comfortable room conditions. This includes WindFree™, Fast and Normal Cooling and heating.

¹ AI = Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required.

² Stores user data, preferences and usage patterns, enabling it to suggest the most useful options.



Smart Control

Control the temperature at home, anytime and anywhere. The SmartThings App¹ enables users to remotely control their air conditioner. With just the touch of a button, users can turn the air conditioner on or off, select the cooling mode, schedule the air conditioner's operation and monitor its power consumption. With the Bixby 2.0 Artificial Intelligence (AI) system¹, a user can simply tell the device what they want², and the device carries out their wishes. It even analyses the environment, preferred mode and temperature and suggests the best settings for inside the home³.

¹ A Wi-Fi connection and Samsung SmartThings application account are required. Wi-Fi Kit to be ordered separately. Requires iOS 10.0 or later & Android 5.0 or later.

² Currently Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish and Portuguese.

³ Voice control is supported by AI speakers such as Samsung Bixby 2.0 and Google Assistant (Google Home). Google Assistant is not available in certain languages and countries. Google is a trademark of Google LLC.

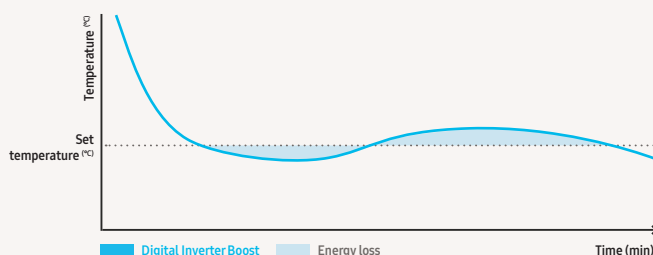
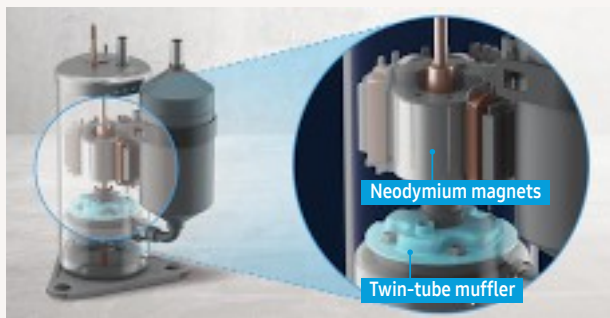
Innovations in detail

Wall-Mounted

Motion Detect Sensor

With the Motion Detect Sensor (MDS) users can cool the home efficiently whether someone is there or not. If the sensor does not detect movement for 20 minutes¹ it automatically switches to WindFree™ mode to save energy. Subject to conditions, after 40 minutes the device increases the temperature by 2°C in WindFree™ mode. After a further 40 minutes it enters standby (Soft off) mode. As soon as the air conditioning detects activity in the room it returns to working normally. It can also be set to avoid blowing air towards people, or alternatively to follow them as they move around.

¹ The Motion Detect Sensor (MDS) starts detecting the absence of movement after a minimum of five minutes and up to a maximum of 60 minutes.



Not all features are available for all models.

Digital Inverter Boost

Samsung's compressor with Digital Inverter Boost technology helps to save on energy consumption. Unlike conventional fixed-speed compressors, it maintains the desired temperature without frequently turning off and on resulting in less fluctuation. As it's equipped with strong neodymium magnets and a muffler, it works efficiently and produces less noise and vibration than conventional models. When cooling it optimises power usage and therefore reduces energy consumption by up to 5 %¹.

¹ Tested on the AR09TXCAAWKNEU model compared with the previous Samsung WindFree™ model AR09NXCXAWKNEU.

Easy Filter Plus

Unlike conventional filters that may be difficult to access the Easy Filter Plus is located externally on the top of the unit. This means it can be easily removed and cleaned without needing to open a cover or pull hard on it. Thanks to the filter's dense mesh the unit is able to capture certain types of dust. This helps keep the Heat Exchanger clean and working efficiently. The special coating on the filter helps protect residents from certain airborne contaminants¹.

¹ Tested in Korean test lab (FITI). Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use. The shown illustration is meant for illustrative purposes only. Certain airborne contaminants referred to are Escherichia coli ATCC 25922, Staphylococcus aureus ATCC 6538.



The diagram shows the Easy Filter Plus being detached from the unit and then being cleaned. It also illustrates the antibacterial process where silver ions (Ag⁺) from a Zeolite coating penetrate the surface of bacteria and react with their proteins.

Easy to detach **Easy to clean**

Antibacterial process¹

1. Silver ions penetrate the surface of bacteria¹ when they come into contact with the Zeolite coating
2. Silver ions react with the bacterial proteins



The diagram shows three icons representing the filter's effectiveness: Anti-bacteria (Up to 99%), Anti-virus (Up to 99%), and Anti-allergy (Up to 99%). Below the icons is a photo of the WindFree™ models with the Easy Filter Plus located under the unit.

Up to 99 % Anti-bacteria² **Up to 99 %** Anti-virus² **Up to 99 %** Anti-allergy²

WindFree™ models:
filter is located under Easy Filter Plus

Tri-Care Filter

The Tri-Care Filter¹ keeps the air cleaner and sustains the performance of the Heat Exchanger. Its three layers include a high-density filter that extracts large household dust particles, fibres and animal hair. It also has a filter with Zeolite coating that captures fine dust, and helps to reduce certain types of viruses, bacteria and allergens in the air².

¹ The WindFree™ Pure1.0 and WindFree™ Comfort do not come with the Tri-Care Filter

² Verified by Intertek testing samples of Samsung AR9500T in a continuous airflow condition (to KS K 0693:2016 protocol using bacteriophage MS2 virus ATCC 15597-B1 and Escherichia coli strain C3000 ATCC 15597) and antiviral Tri-Care Filter (to Samsung-defined test criteria using Staphylococcus aureus ATCC 6538 and Klebsiella pneumoniae ATCC 4352). Our products have not been tested for their effects on the COVID-19 virus. Therefore, we do not make or give any express or implied claims or guarantees with regard to COVID-19.

Not all features are available for all models.

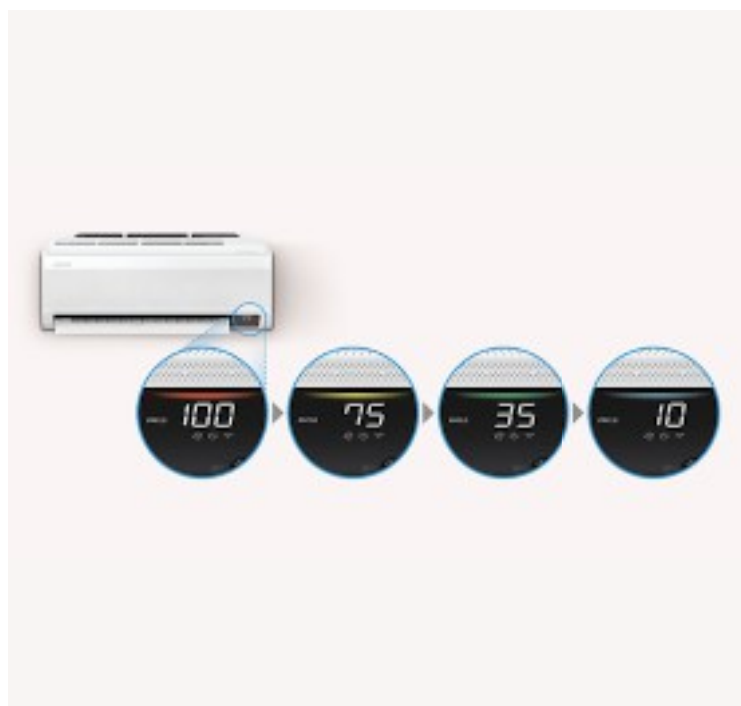
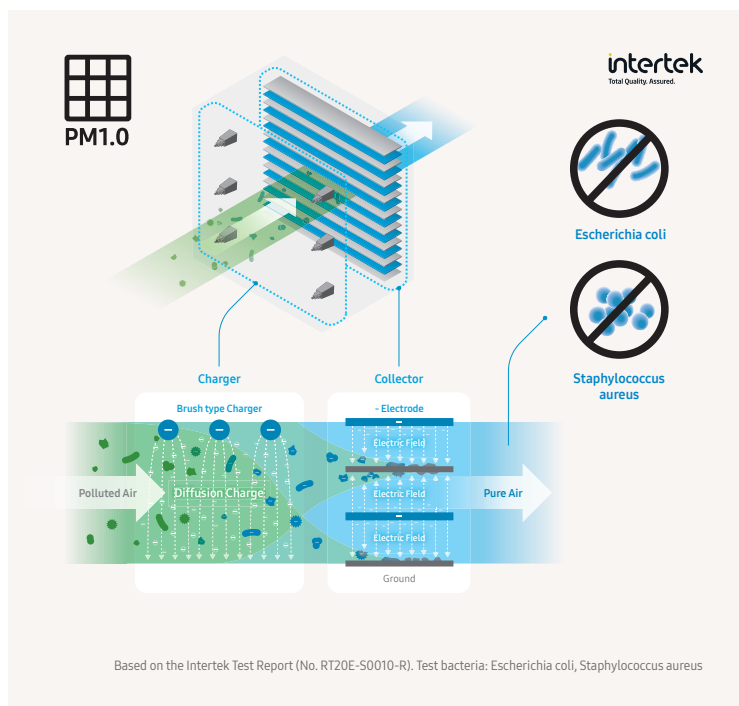
Innovations in detail

Wall-Mounted

PM1.0 Filter

The PM1.0 Filter not only effectively captures ultrafine dust up to $0.3\ \mu\text{m}$ but also inactivates certain types of bacteria that are captured, using an electrostatic precipitator¹. It has two main parts that charge and collect dust and certain types of bacteria¹. The brush discharger generates negative ions. And these give the dust particles and certain types of bacteria¹ a negative charge, so they become strongly attached to the ground electrode due to the electrostatic force of the collector. An added advantage is that this filter is also semi washable, thus saving the purchase and maintenance cost of replacing the filter.

¹ Verified by Intertek, Report Number RT20E-S0010-R, Issue Date: 17 April 2020
The K-element (Electrostatic Precipitator) of Samsung Electronics can sterilize the microorganisms that collected on the filter (Escherichia coli: above 99%, Staphylococcus aureus: above 99%)



Not all features are available for all models.

Advanced Display

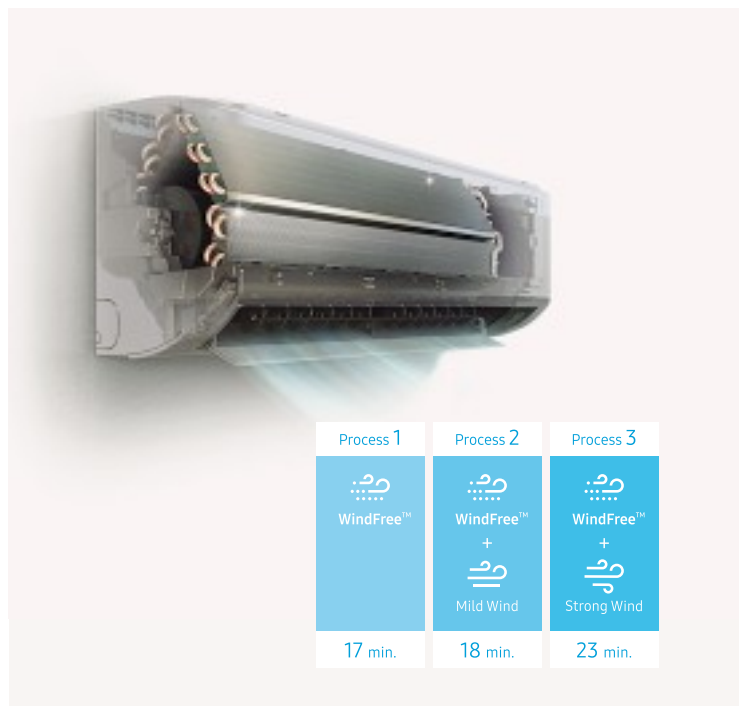
The laser sensor, located on the advanced display indicates the air quality level automatically and can clean itself with AI enabled function. The air quality can also be monitored on mobile screens besides the display of the air conditioner. Even when the power is off, the dust sensor can check the air quality. A pop up is received if the air pollution indoors from level 3 and upwards. This pop up therefore not only notifies but also allows the user to decide if they want turn on purify mode or not. Dust sensing interval can be set from 10 mins to 1 hour by mobile using the Smart Things app.

Besides indicating the indoor air quality level, the advanced display¹ can also indicate temperature easily, activated function at a glance through the display. The enhanced capabilities allows for the monitoring of the temperature and highest dust fraction types PM_{10} , $\text{PM}_{2.5}$ and PM_1 .

¹ The Advanced Display is only applicable for the WindFree™ Pure 1.0 air conditioner

Auto Clean

The Auto Clean functionality enables cleaning of the heat exchanges anytime after you turn off the unit. This function automatically dries the Heat Exchanger using a 3 step process and prevents the build up of bacteria and odors. It can easily be enabled or disabled with the click of the remote controller.



Freeze Wash

The Fresh Wash¹ functionality freezes the heat exchanger of the indoor unit to -15°C to cover it into frost. After the indoor unit goes into defrost mode the ice will melt and this will remove certain pollutants within the heat-exchanger². This helps saving overall cost and is easy to maintain without the need for any professional service engineer.

¹ Freeze Wash functionality can only be found in WindFree™ Pure 1.0 air conditioning units.

² Intertek Report No.: RT20E-S0047 Date: DEC 02, 2020 Based on the data collected the Hypothesis is accepted: The "Wash Clean (Domestic)/Freeze Wash (Overseas)" course of Samsung Air conditioner can remove more than 90% of the bacteria (Escherichia coli ATCC 8739, Staphylococcus aureus ATCC 6538) on the surface of heat exchanger.

Innovations in detail



Wall-Mounted

Easy Installation and Servicing

The WindFree™ wall-mounted air conditioner features a snap-fit bottom cover that can be easily opened and closed. There are two screw points which allows for convenient installation and servicing. Unlike conventional brackets that can be fitted on two fixed hooks, the unit uses a roller type bracket that simplifies the installation process. This makes it easy to mount by installing the bracket on the wall and sliding it effortlessly into the exact position you want.



Two screw points



No special tool needed

Samsung's roller type bracket makes mounting the unit much easier. Simply hang it on the unit and find the best place to install it by sliding the bracket from side to side.

Assembled parts (6)/
Screw points (5)

45% ↓

Assembled parts (3)/
Screw points (2)

Installation time¹:
9.3 min

Installation time¹:
5.1 min

¹ Tested on the AM022TNVDKHEU model compared with the Samsung conventional AM022JNVKHEU model under specific conditions and may vary on specific factors



Innovations in detail

360 Cassette

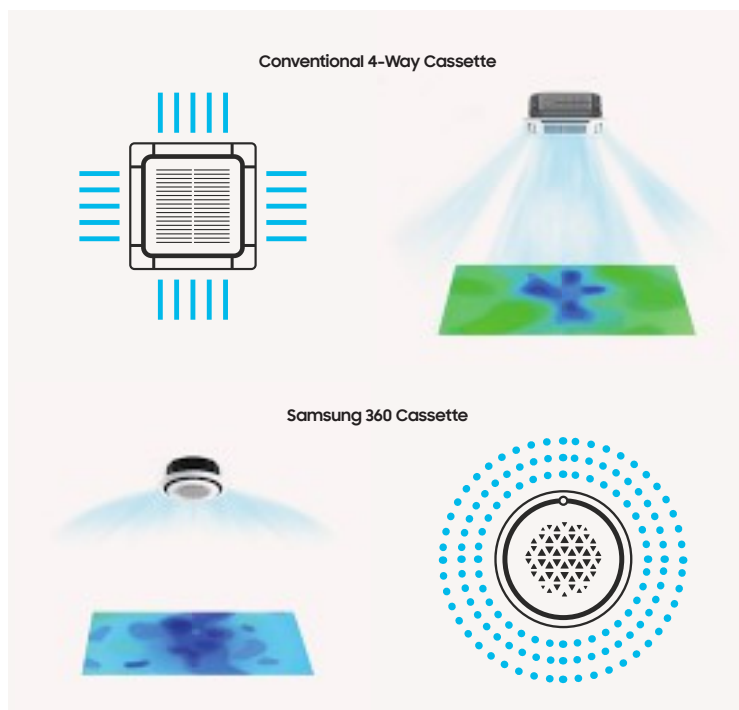
Circular airflow

Unlike traditional 4-Way Cassette units¹, which create areas of uneven airflow², the 360 Cassette reaches every single corner of a room or space. Its circular outlet blows cool air in every direction. The bladeless design keeps things comfortably cool without creating a cold draft³, and without blades blocking the airflow it sends 25 % more air even further¹.

¹ Samsung testing compares the 360 Cassette to a conventional 4-Way Cassette type air conditioner.

² The temperature difference is less than 0.6 °C within a 9.3 m radius.

³ No cold draft between 0–1.5 m in height (with a 14.0 kW indoor unit) within a 5 m radius.



Not all features are available for all models.

Airflow Control

The air supply is easily adjusted without the use of flaps. Three booster fans work to alter the direction of airflow from within the cassette's hollow space. A rain-like distribution of the air (known as the 'coanda' effect) keeps the room cool and comfortable at all times. The innovative technology overcomes the usual limits of the conventional outlets that use blades, as they obstruct the air at low angles and cause a significant low airflow¹. The Motion Detector Sensor (MDS) is available for the 360 Cassette.

¹ Based on internal testing compared to a general 4-Way Cassette air conditioner.



Circular LED display

The unit features a stylish panel and an intuitive Circular LED display, which allows users to choose or adjust the direction of the airflow with an intuitive wireless (jog shuttle) wireless remote controller. Besides the LED Display also monitors other essential operating information, such as the filter the air flow direction, filter status and any errors. So, with just one glance, you can quickly tell where the air is going and how your 360 Cassette is performing.



Stylish design

The 360 Cassette has an innovative circular design that enables it to match a multitude of interior designs, that adds a touch of style to any room. Its minimalistic and elegant styling can help to create a sophisticated and distinctive look in many different sites. With a circular panel, it can fit into a very tiny ceiling space of just 225 mm¹, so it gives you much greater flexibility as it can be installed in a wider choice of locations. The 360 Cassette is available in black or white, in a square or circular design, and can be fitted within the ceiling or exposed on any material.

¹ The minimum installation height of ceiling space may vary depending on the panel design - circular or square type. Square type panels require 30 mm more height in a ceiling space than circular type panel.

Innovations in detail

360 Cassette

Air Purification Panel²

The Samsung 360 Cassette offers an Purifying Panel that keeps the indoor air cleaner. It is made of a two filter purification system the pre-filter and the PM1.0 Filter and has a superior filter mesh with 0.5 mm holes, which is 20 % denser than a vinyl chloride type filter.

The Pre-Filter captures larger dust particles, stopping them from entering the air conditioning unit. The PM1.0 Filter is not only effective at capturing ultrafine dust of up to 0.3 µm in size, but it also sterilizes up to 99 % of certain types of bacteria¹ trapped by the filter using an electrostatic precipitator¹.

¹ "Verified by Intertek, Report Number RT20E-S0010-R, Issue Date:17 April 2020 . The K-element (Electrostatic Precipitator) of Samsung Electronics can sterilize certain types of bacteria that collected on the filter (Escherichia coli: above 99 %, Staphylococcus aureus: above 99 %).

² The Air Purification panel is an optional accessory.



Auto Elevation Panel²

The cleaning of filters is also an integral part of maintaining good indoor air quality, and elevation panels can make this process easier.

An Auto Elevation Panel is a panel that provides quick and comfortable access to dust filters for cleaning, facilitating extra convenience with the 4.5 metre¹ elevation advantage with a single remote click. Thus, a ladder is no longer required when cleaning panels. This makes it easier and safer for end users or service engineers to access filters for cleaning.

¹ May vary based on the actual usage conditions.

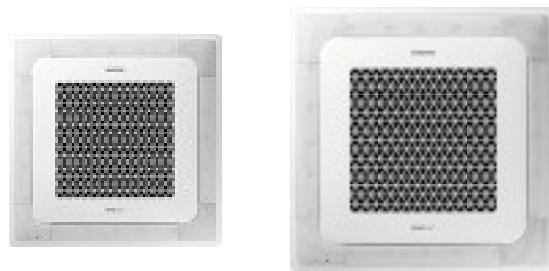
² The Auto Elevation panel is an optional accessory.



Not all features are available for all models.



Innovations in detail

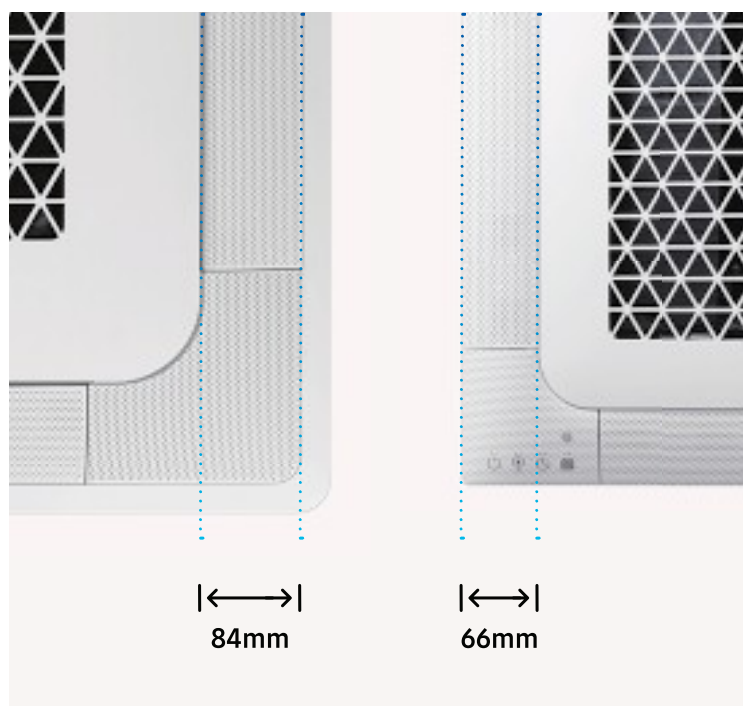
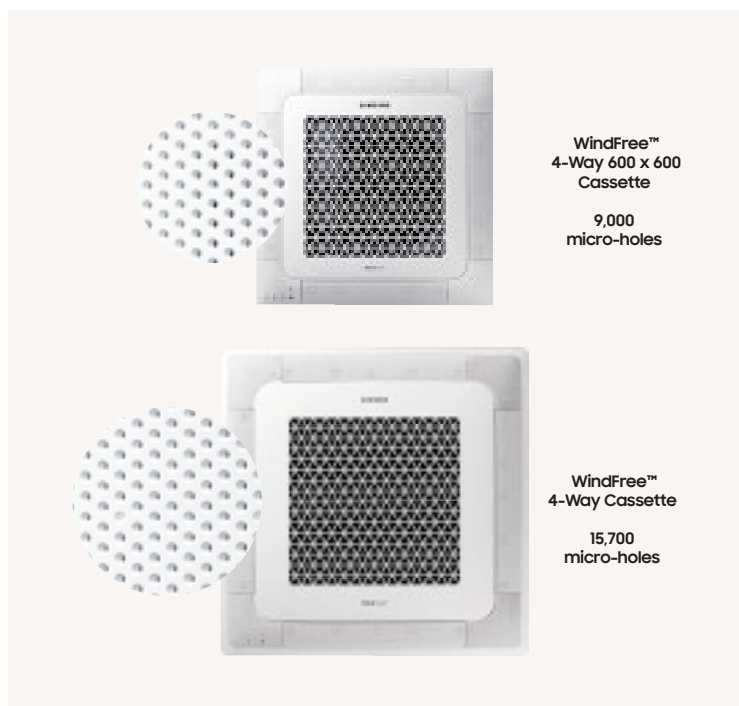


WindFree™ 4-Way Cassette

WindFree™ Technology

The WindFree™ 4-Way Cassette directs air through 15,700 micro-holes in the panel, while the WindFree™ 4-Way 600 x 600 Cassette directs air through 9,000 micro-holes in the panel. These micro-holes are essential for creating a type of airflow called "Still Air"¹ which cools the room gradually and noticeably without drafts.

¹ ASHRAE (American Society of Heating, Refrigeration, and Air-Conditioning Engineers) defines "Still Air" as air currents at speeds below 0.15 m/s which lacks the presence of cold drafts.



Not all features are available for all models.

Optimised blades

The larger optimised blades¹ (84 mm WindFree™ 4-Way Cassette, 66 mm WindFree™ 4-Way 600 x 600 Cassette) facilitate a wider cooling range and improved air circulation within the room. This advanced technology also cools the space much faster leaving no zone untouched. These blades are detachable and can be washed easily with water to remove certain types of dust or debris that has collected on them, therefore allowing for optimal quality of airflow that in turn helps maintain a cleaner environment.

¹ Samsung testing compares the WindFree™ 4-Way and WindFree™ 4-Way 600 x 600 Cassette to a conventional 4-Way Cassette type air conditioner.

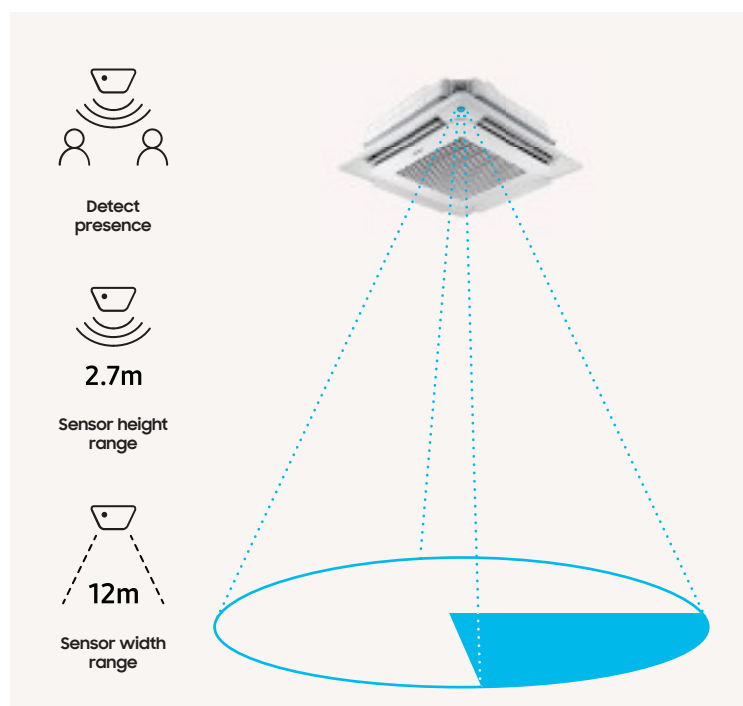


Fast Cooling

If room
reaches comfort zone

Smart Comfort Operation

The WindFree™ 4-Way Cassette and the WindFree™ 4-Way 600 x 600 Cassette boost Smart Comfort Operation. The Fast Cooling process helps to achieve the desired temperature in a room quickly. By simultaneously detecting the humidity levels, the Smart Comfort Operation feature maintains the room's temperature automatically.



Motion Detect Sensor (optional)

The improved Motion Detect Sensor (MDS) detects the presence and location of people in the room, enabling automatic management of airflow direction and efficient air cooling.

Not all features are available for all models.

Innovations in detail

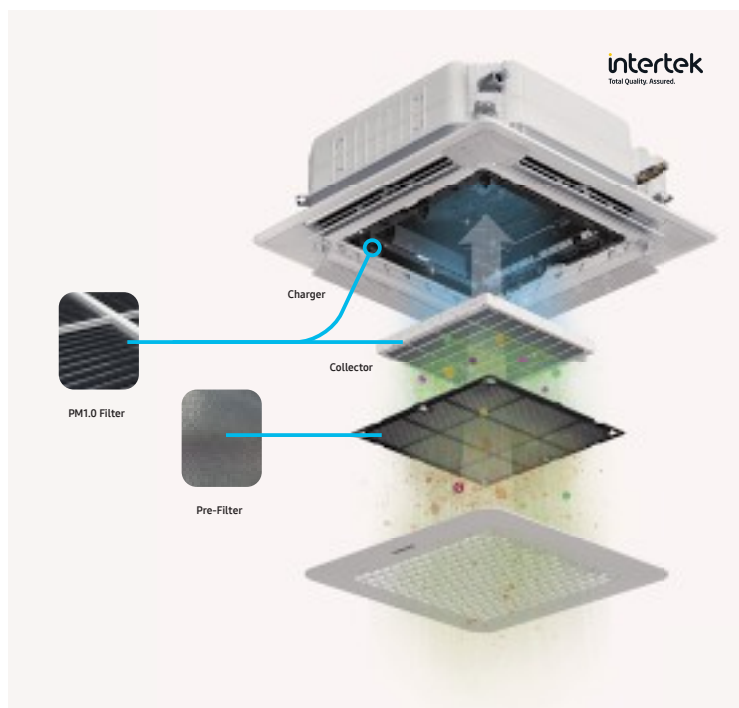
WindFree™ 4-Way Cassette

Air Purification Panel

The Air Purification Panels in the WindFree™ 4-Way Cassette contain two types of filters to enhance the mitigation of Particulate Matter (PM), aimed to keep the indoor air clean all day long. The WindFree™ 4-Way Cassette is made of a two filter purification system the Pre-Filter and the PM1.0 Filter. The Pre-Filter captures larger dust particles, stopping them from entering the air conditioning unit.

The PM1.0 Filter¹ not only effectively captures ultrafine dust upto 0.3 µm but also inactivates certain types of bacteria that are captured, using an electrostatic precipitator. It has two main parts that charge and collect certain types of dust and bacteria¹. The brush discharger generates negative ions. And these give certain dust particles and bacteria a negative charge, so they become strongly attached to the ground electrode due to the electrostatic force of the collector. An added advantage is that this filter is also semi washable, thus saving the purchase and maintenance cost of replacing the filter.

¹ Intertek Report No.: RT20E-S0010-R Date: APR. 17, 2020 (Revised) Based on the data collected the Hypothesis is accepted: The K-element (Electrostatic Precipitator) of Samsung Electronics can sterilize the certain types of bacteria that collected on the filter. (Escherichia coli: above 99 %, Staphylococcus aureus: above 99 %)



Not all features are available for all models.

Auto Elevation Panel

The cleaning of filters is also an integral part of maintaining good indoor air quality, and elevation panels can make this process easier.

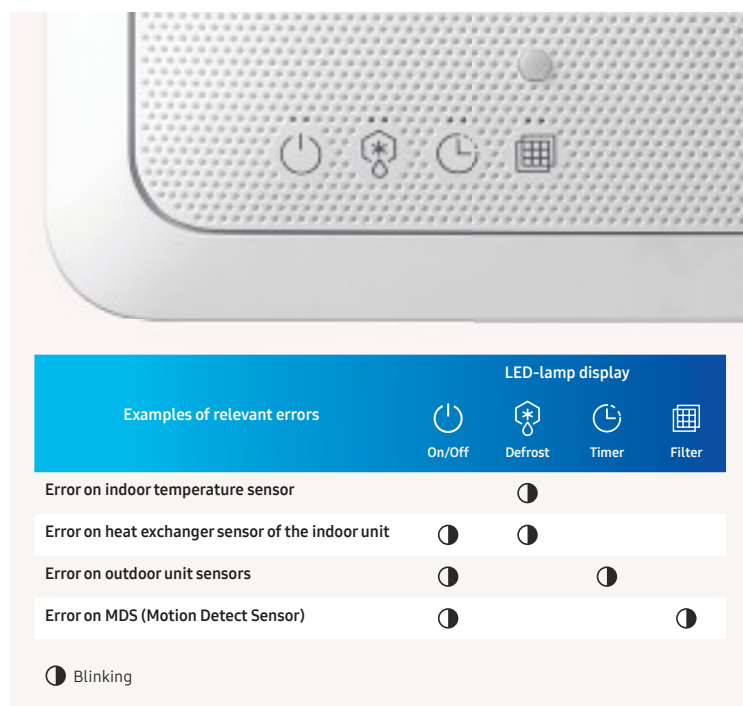
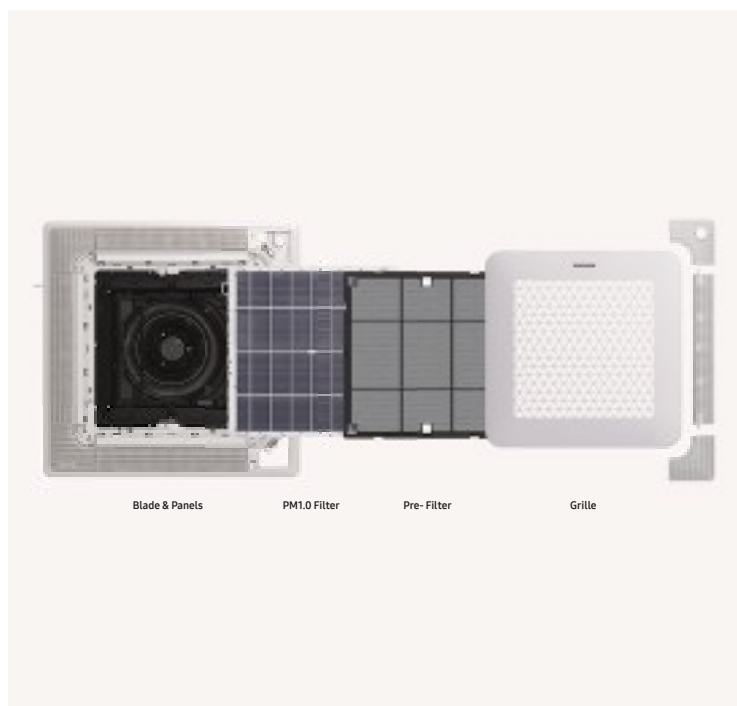
An Auto Elevation Panel is a panel that provides quick and comfortable access to dust filters for cleaning, facilitating extra convenience with the 4 metre¹ elevation advantage with a single remote click. Thus, a ladder is no longer required when cleaning panels. This makes it easier and safer for end users or service engineers to access filters for cleaning.

¹ May vary based on the actual usage conditions.

Detachable Washable Parts

The cleanliness of the exterior, as well as the filters, is very important for 4-Way Cassettes that are widely used in commercial spaces. The panels and filters of the WindFree™ 4-Way Cassette are very easy to remove and clean without screws.

One can pull the hook inside the panel grille (near the Samsung logo) to open and remove it. And the corner panels and blades can be easily separated when pulled downwards. All of the exterior parts can be cleaned with a soft brush or cloth. You can also use a vacuum or water to clean the internal filter, so you don't need to keep purchasing new filters.



Self-Diagnosis

The WindFree™ 4-Way 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.

Not all features are available for all models.

Innovations in detail

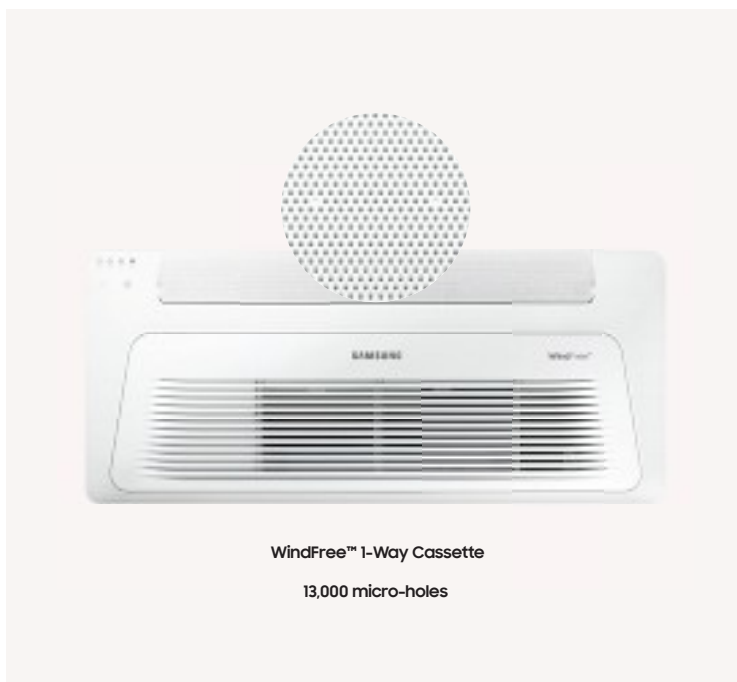


WindFree™ 1-Way Cassette

WindFree™ Technology

The WindFree™ 1-Way Cassette uses WindFree™ Cooling and directs air through tiny holes in the panel, dispersing a gentle flow of air. These 13,000 micro-holes are essential for creating a type of airflow called “Still Air”, which cools the room gradually and noticeably without drafts.

¹ ASHRAE (the American Society of Heating, Refrigeration, and Air-Conditioning Engineers) defines “Still Air” as air currents moving at speeds below 0.15 m/s, with no cold drafts.



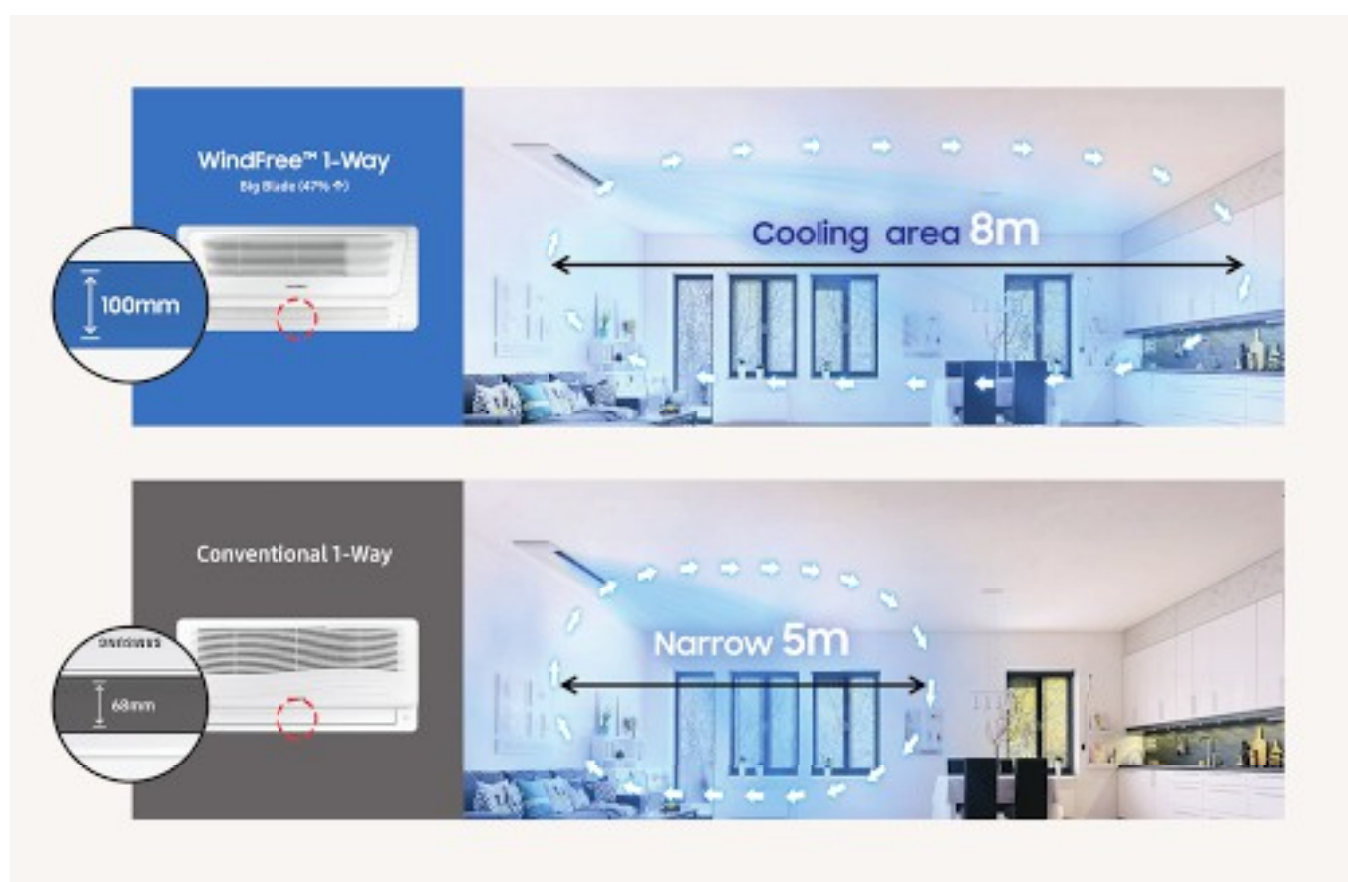
Not all features are available for all models.

Slim installation

At a height of only 135 mm¹, the WindFree™ 1-Way Cassette is a compact and lightweight device (8–13.5 kg). This slim design makes it not only visually pleasing but also easier to install and maintain, and it can be fitted into small gaps or ceilings.

¹ 135 mm is the height of the unit until the ceiling tile. 145 mm is the height including the ceiling tile. Up to 2.5 kW and 3.6 kW (FJM and CAC) models measures 135 mm (180 mm including panel).

Wider cooling range



The larger optimised blade is 100 mm¹ and works to cool a larger area much faster. Its sleek design can deliver cool air efficiently, rapidly and evenly over an area of up to 8 m² leaving no zone untouched.

¹ Samsung testing compares the WindFree™ 1-Way Cassette to a conventional 1-Way Cassette-type air conditioner.

² Based on the 71 kW indoor unit.

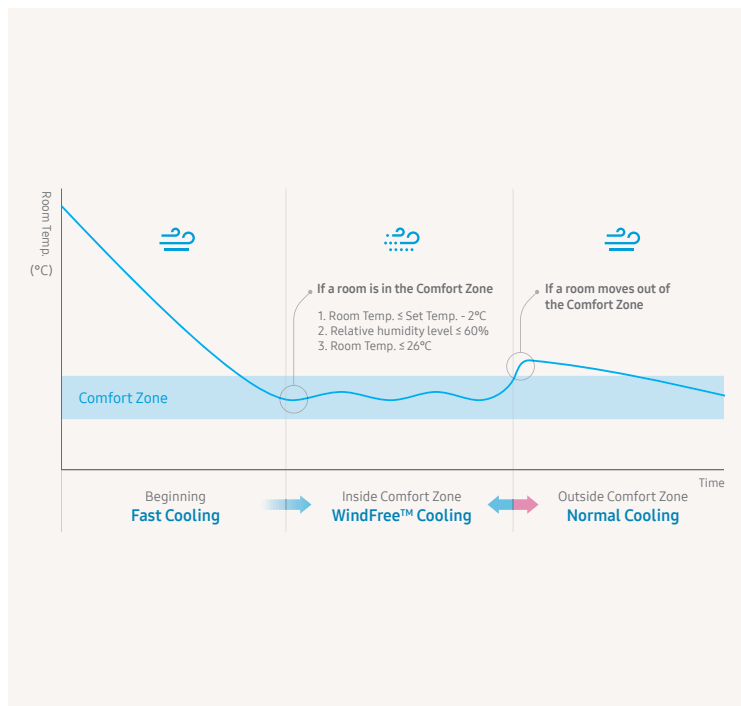
Innovations in detail

WindFree™ 1-Way Cassette

Smart Comfort Operation

The WindFree™ 1-Way Cassette has a humidity sensor as well as a temperature sensor. It continually monitors both the temperature and relative humidity¹ 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.

¹ The humidity level will only be shown during WindFree™ operation and Dry Mode via the SmartThings app display.



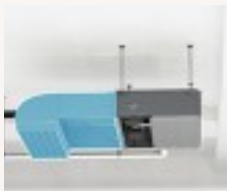
Easy Maintenance

The Samsung WindFree™ 1-Way Cassette requires no duct work. You simply need to regularly clean the built-in filter with water, after removing it from your air conditioner.

Ducted Air conditioner

Duct work required

Dust particles accumulate in both filters and duct work



Professional cleaning service or tool required

It is difficult to clean the inside duct work, so you need to hire a professional cleaner



WindFree™ 1-Way Cassette

No duct work required

Only the filter needs to be cleaned



Anyone can clean it with water

Only the filter needs to be cleaned



Air Purification Panel³

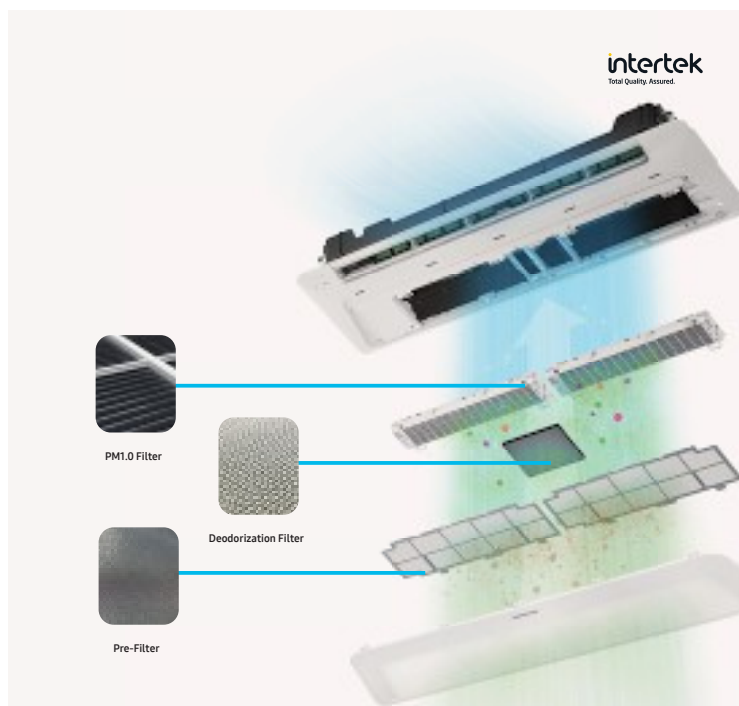
The Air Purification Panels in the WindFree™ 1-Way Cassette contain three types of filters to enhance the mitigation of Particulate Matter, aimed to keep the indoor air cleaner all day long. The WindFree™ 1-Way Cassette is made of a three filter purification system the Pre-Filter, Deodorization Filter¹ and the PM1.0 Filter.

The Pre-Filter captures larger dust particles, stopping them from entering the air conditioning unit. The deodorization filter captures certain unpleasant odours. The PM1.0 Filter not only effectively captures ultrafine dust upto 0.3 µm but also inactivates certain types of bacteria that are captured, using an electrostatic precipitator. It has two main parts that charge and collect certain types of dust and bacteria.² The brush discharger generates negative ions. These give the dust particles and bacteria a negative charge, so they become strongly attached to the ground electrode due to the electrostatic force of the collector. An added advantage is that this filter is also semi washable, thus saving the purchase and maintenance cost of replacing the filter.

¹ The Deodorization Filter can only be found in WindFree™ 1-Way Cassette.

² Intertek Report No.: RT20E-S0010-R
Date: APR. 17, 2020 (Revised) Based on the data collected the Hypothesis is accepted:
The K-element (Electrostatic Precipitator) of Samsung Electronics can sterilize the certain types of bacteria that collected on the filter.(Escherichia coli: above 99 %, Staphylococcus aureus: above 99 %)

³ The Air Purification panel is an optional accessory.

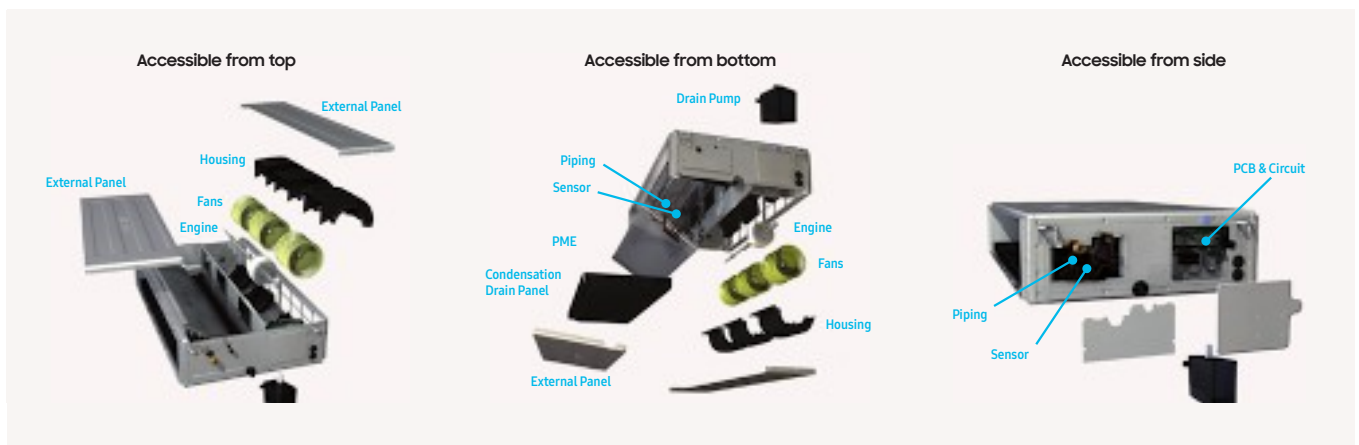


Innovations in detail



Duct

Easy installation and Servicing



Thanks to their ultra-compact design, Samsung duct units can be placed anywhere and can even be split into two parts (20/25 kW models). This makes for easy installation and maintenance. The indoor unit can be accessed from three directions: from the top, bottom and the side, making maintenance simpler than ever.



Not all features are available for all models.

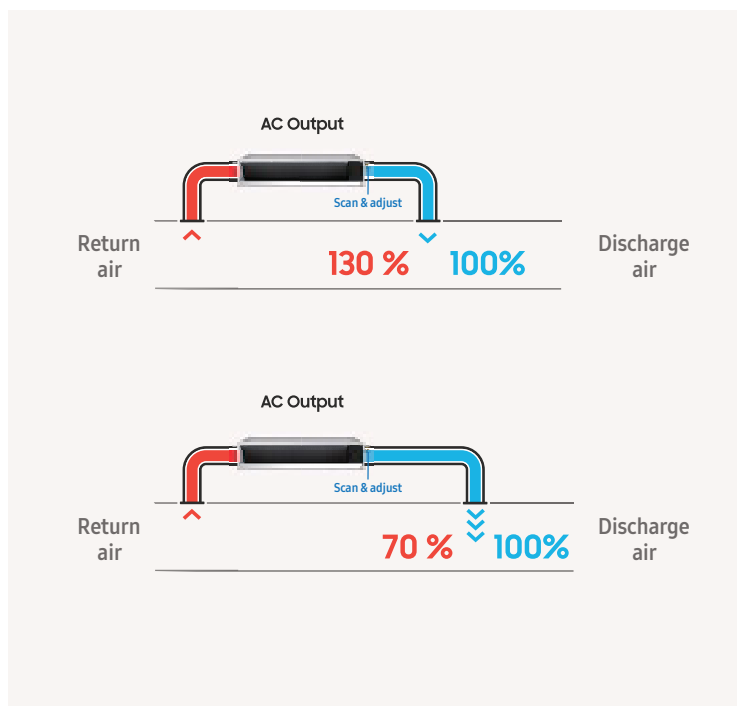
Indoor discharge temperature

Each ducted indoor unit, or AHU kit, boosts discharge air temperature control function that offers greater comfort without the need to change the outdoor unit setting. Cooling and heating options can be selected using a remote control, and this applies to all ducted/AHU connected systems.

Automatic External Static Pressure (ESP) setting

The Automatic External Static Pressure setting enables users to choose the optimal operating range for the fan. The result is the greatest possible comfort with an optimal balance between sound level and capacity. The feature is very simple to set up.

Please contact your Samsung representative to find out which indoor units feature this function.



Innovations in detail

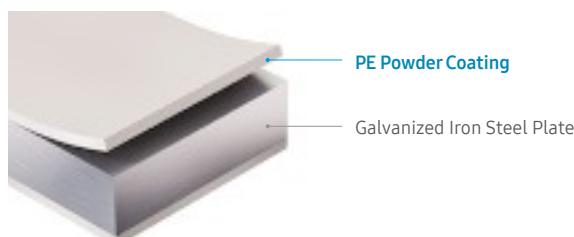
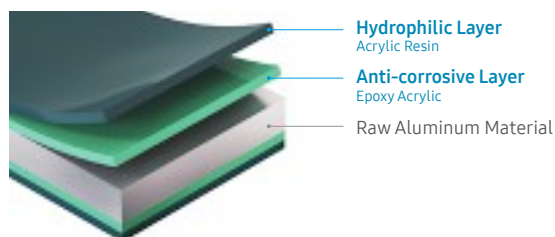
CAC High Energy Efficiency (HEE) Range

Durable & corrosion resistant

The outdoor unit features improved anti-corrosion capabilities on the heat exchanger and chassis to ensure maximum durability in harsh environments.

Durafin™ Ultra & GI Steel Plate

An anti-corrosive layer and a hydrophilic layer disperses water and reinforces its corrosion-resistance, which was proven using the Salt Spray Test (SST) over a period of 3,000 hours¹. The outdoor unit uses Galvanized Iron (GI) Steel Plate with a PE powder coating of up to 100µm thickness, which is proven to improve corrosion resistance by 43%, based on the Complex Cycle Test (CCT)².



¹ Based on internal testing, verified by TUV Rheinland, in accordance with ISO 9227, ISO 14993 and ISO 21207 using specimens from the heat exchanger of a Samsung outdoor unit. For more details, please contact your local Samsung representative.

² Based on internal testing using corrosion chambers, Q-FOG and CCT-1100. The Complex Cycle Test (CCT) includes cycles of spray (for 2 hours at 35°C), dry (for 4 hours at 60°C with 30% Relative Humidity) and damp (for 2 hours at 50°C with 95% Relative Humidity) conditions. As a result, the Galvanized Iron Steel Plate (GI) formed red rust after 240 hours, which is 43% slower than general Electro-Galvanized Steel Plate (EGI) which forms red rust after 168 hours.



Antifreeze Protection Control

The hydraulic parts that provide hot water are built into the outdoor unit. As a result, the water pipe exposed to the outside conditions might freeze if it stops operating in cold weather of below 0°C¹. So, its Antifreeze Protection Control continuously monitors the operating status and the outdoor temperature, and prevents the water pipe from freezing by forcibly pumping the water after a certain period of time².

¹ For external waterpipes, the system must use antifreeze: Propylene Glycol with a toxicity rating of Class 1 as listed in Clinical Toxicology of Commercial Products, 5th Edition. Please refer to the installation manual or detailed antifreeze specifications.

² For example, if it has stopped operating for 60 minutes when the outdoor temperature is 3°C, the pump on the waterpipe side is forcibly operated to prevent the water from freezing in the waterpipe.

Innovations in detail



Elevated Base Design with a Base Heater

In heating mode, when operating in cold weather (-25°C or below) the defrost cycle is used to remove ice from the heat exchanger. The base heater will melt ice therefore preventing the outdoor unit from ice build-up. The CAC HEE range has an elevated base design with deepened and slanted gutters, so it drains condensed water much faster to prevent it from freezing inside the cabinet¹. A base heater is equipped as a standard, which can quickly melt ice on the base and ensure the reliability of its heating operation.

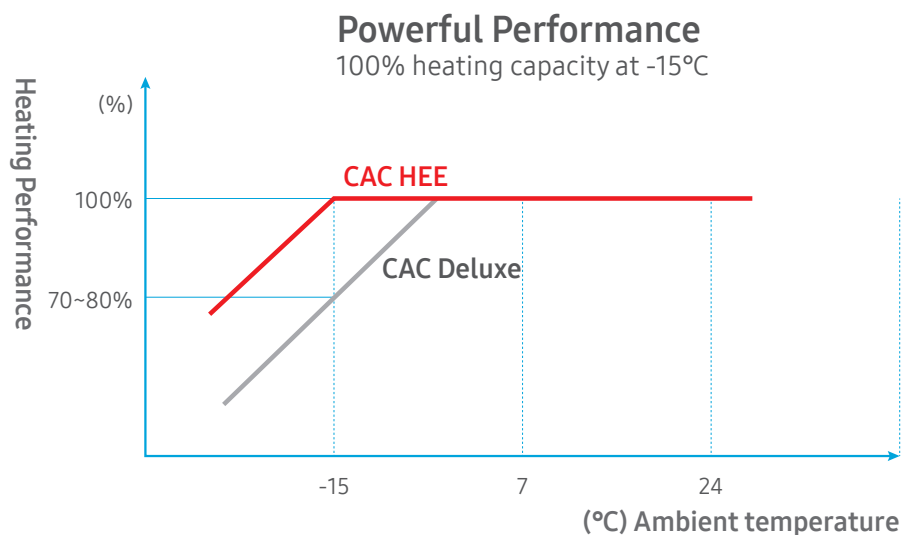
¹ Additional drain pan may be required depending on the installation condition.

Operates across a Wider Temperature Range

The CAC HEE range supplies heating regardless of the external conditions. Flash Injection Technology ensures that it can maintain its heating performance in cold weather, while a Heat Sink radiates the heat of the inverter circuit more effectively to extend the operating temperature range. It can provide cooling up to 52°C and heating down to -25°C .

Heating Performance

The CAC HEE Outdoor Unit combines various advanced features to achieve a 100% heating performance even in extremely cold weather as low as -25°C .¹



¹ 14kW is excluded, 14kW meets 100% @ -10°C

Innovations in detail

CAC High Energy Efficiency (HEE) Range

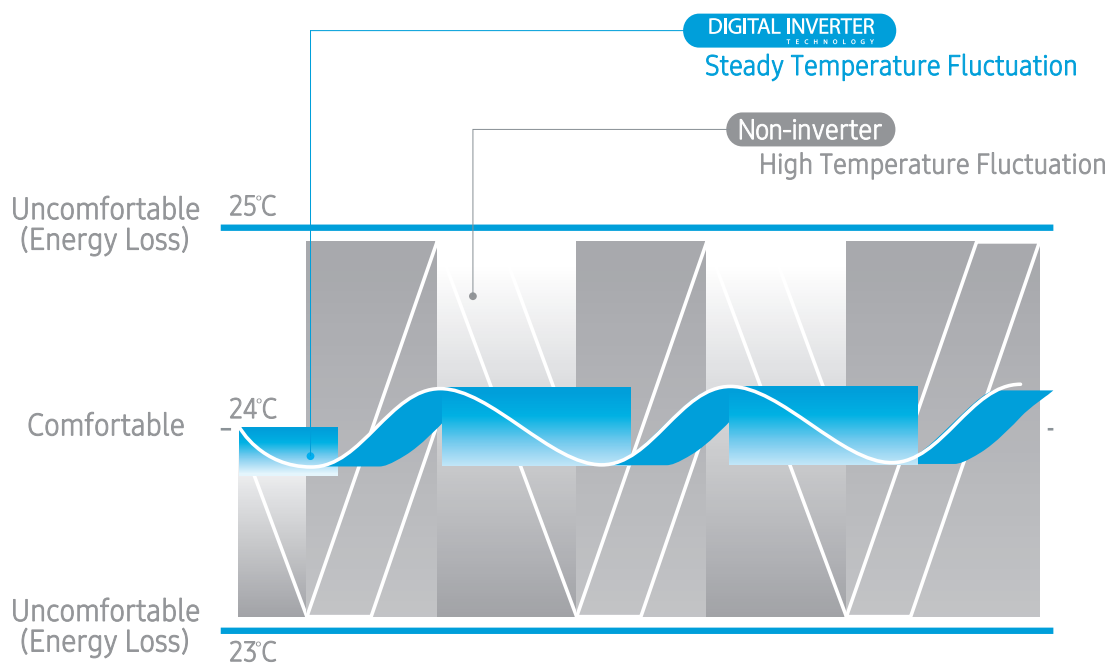
Multi-unit operation

Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled simultaneously as one cycle within the same mode via one remote controller for up to four rooms. This system is ideal for spaces requiring multiple indoor units, such as open plan offices or shops.

Outdoor Unit Capacity	2 Rooms	3 Rooms	4 Rooms
7.1kW	3.5+3.5		
10kW	5.2+5.2		
12kW	6.0+6.0	5.2+5.2+5.2	
14kW	7.1+7.1	5.2+5.2+5.2	3.5+3.5+3.5+3.5

Ideal Comfort

The CAC Single digital inverter air conditioner works at maximum capacity at startup. As soon as the temperature reaches the desired or set temperature, CAC Single performs fine adjustments to cope with any changes. This means less temperature fluctuation and ideal comfort in a matter of minutes.





Innovations in detail



Airzone

Integrated Zoning Solution

Airzone provides centralised control and improvement in energy performance to Samsung ducted applications.

This third party solution offers the possibility to control the temperature of up to 8 zones or rooms separately. The Airzone plenum with dampers determines the required airflow to each room to meet the desired temperature.

Airzone's multiple zoning control solution can be easily connected to Samsung's ducted systems and allows for a reduction in maintenance operations and refrigerant charge compared to installing separate AC units for each zone.

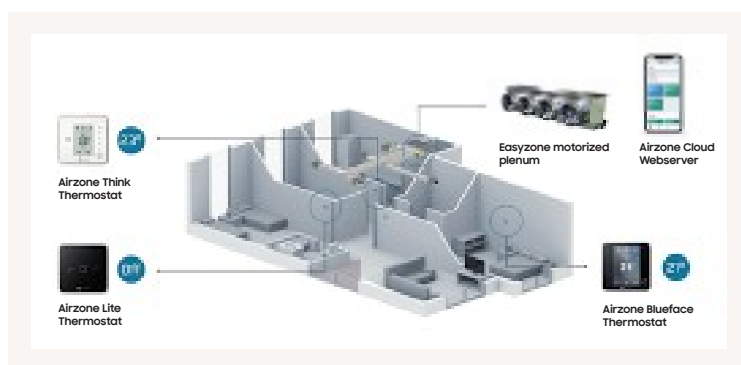
Unlike other third party solutions, Airzone uses Samsung's communication protocol to control the needed airflow. If there is no demand, the indoor unit is stopped. This avoids unwanted operation; therefore increases the energy efficiency of the system.



Flexibility and Smart Operation

The integrated zoning system from Airzone with smart control allows for optimized energy efficiency, as temperatures in the different zones can be independently controlled. This translates into energy efficiency since the AC unit will not unnecessarily cool or heat unoccupied zones.

Each damper is controlled by an Airzone room controller either wired or wireless. In addition, Airzone also allows controlling the room temperature remotely with the Airzone Cloud App¹, Google Assistant^{2,3} and Amazon Alexa^{2,4}.



¹ Available for iOS and Android

² Voice control is supported by AI speakers; Google Assistant (Google Home) and Amazon Alexa

³ Google Assistant is not available in certain languages and countries. Google is a trademark of Google LLC

⁴ Airzone is not compatible with SmartThings and SmartThings App



Airzone⁵ compatible models

Samsung Model Code	Detail	Dimensions (W×H×D)	3 Port	4 Port	5 Port	6 Port	8 Port
AJ026TNLPEG/EU	LSP Duct 2.5kW	700×199×440	AZEZ8SAMSL03S3	AZEZ8SAMSL04M4	AZEZ8SAMSL04M5		
AJ035TNLPEG/EU	LSP Duct 3.5kW	700×199×440	AZEZ8SAMSL03S3	AZEZ8SAMSL04M4	AZEZ8SAMSL04M5		
AJ052BNMDEG/EU	MSP Duct 5.2kW	900×199×440	AZEZ8SAMSL05S3	AZEZ8SAMST05S4	AZEZ8SAMST05S5		
AC026BNLDKG/EU	LSP Duct 2.6kW	700×199×600	AZEZ8SAMSL05S3				
AC035BNLDKG/EU	LSP Duct 3.5kW	700×199×600	AZEZ8SAMSL05S3				
AC052BNLDKG/EU	LSP Duct 5.2kW	1100×200×450			AZEZ8SAMSL05L5		
AC071BNLDKG/EU	LSP Duct 7.1kW	1100×200×450			AZEZ8SAMSL05L5		
AC035RNMDKG/EU	MSP Duct 3.5kW	850×250×700	AZEZ8SAMST06S3	AZEZ8SAMST06S4			
AC052RNMDKG/EU	MSP Duct 5.2kW	850×250×700	AZEZ8SAMST06S3	AZEZ8SAMST06S4			
AC071RNMDKG/EU	MSP Duct 7.1kW	850×250×700	AZEZ8SAMST06M3	AZEZ8SAMST06M4	AZEZ8SAMST06M5	AZEZ8SAMST06M6	
AC100RNMDKG/EU	MSP Duct 10kW	1200×250×700			AZEZ8SAMST06L5	AZEZ8SAMST06L6	AZEZ8SAMST06L8
AC120RNMDKG/EU	MSP Duct 12kW	1300×300×700					AZEZ8SAMST06XL8
AC140RNMDKG/EU	MSP Duct 14kW	1300×300×700					AZEZ8SAMST06XL8

Communication gateway for all models: AZX6GTCSA2

⁵ Airzone is a third party and not part of Samsung. Airzone Plenum with damper, wired & wireless thermostats and gateway, can be purchased directly from Airzone website: <https://www.airzonecontrol.com/> or contacting the Airzone sales team at marketing@airzonecontrol.com

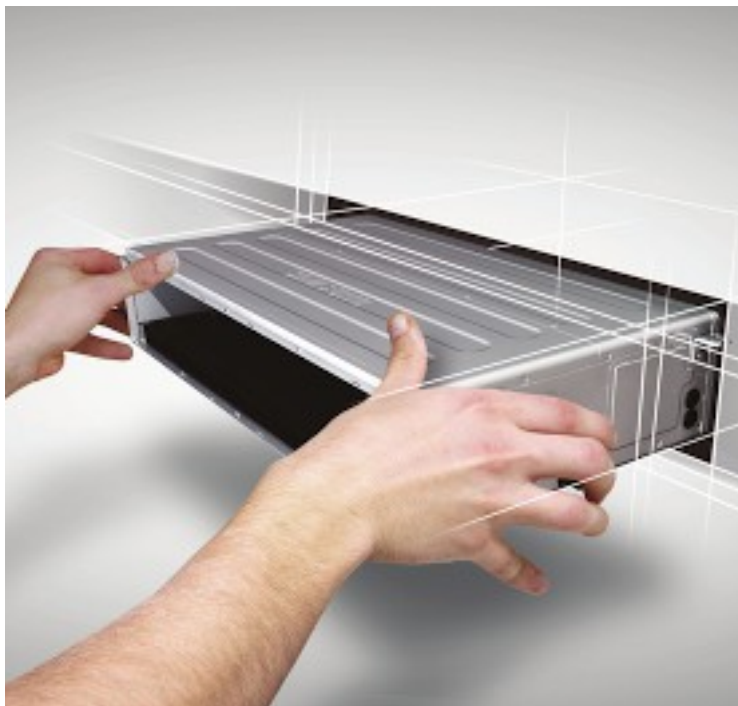


Innovations in detail

LSP Slim Duct

Slim design for small ceiling spaces

The LSP Slim Duct is only 200 mm in height, making it much narrower than conventional products. This allows for easy installation and maintenance in all kinds of spaces.



Not all features are available for all models.

Built-in drain pump

A check valve on the drain pump prevents drained water from flowing back into the drain pan, minimising the water level in the drain pan. This modern design feature means no water stagnation and prevents drain water overflowing into your interiors. Applicable for Multi Split.



Products at a glance

Single and Multi Split



WindFree™ Elite

A+++ | A+++



WindFree™
Cooling



Wi-Fi Control



AI Auto Comfort



Tri-Care Filter



Motion Detect
Sensor



R32 Refrigerant



WindFree™ Pure 1.0¹

A++ | A++



WindFree™
Cooling



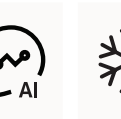
Wi-Fi Control



Easy Filter Plus



PM1.0 Filter



AI Auto Comfort



Freeze Wash



R32 Refrigerant



WindFree™ Avant

A++ | A++



WindFree™
Cooling



Wi-Fi Control



AI Auto Comfort



Tri-Care Filter



R32 Refrigerant



WindFree™ Comfort

A++ | A+



WindFree™
Cooling



Wi-Fi Control



AI Auto Comfort



R32 Refrigerant



Cebu

A++ | A+



Wi-Fi Control



AI Auto Comfort



R32 Refrigerant



Luzon

A++ | A+



R32 Refrigerant

¹ Models not available in Multi Split.

Energy labels as shown are based on 9k Btu versions and are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.



AR30 and AR35¹

A++ | A+



R32 Refrigerant



Nordic WindFree™ Geo¹

A+++ | A+++



WindFree™
Cooling



Wi-Fi Control



AI Auto Comfort



Tri-Care Filter



Motion Detect
Sensor



R32 Refrigerant



Nordic Geo Premium¹

A+++ | A+++



Wi-Fi Control



AI Auto Comfort



Tri-Care Filter



Motion Detect
Sensor



R32 Refrigerant



Nordic Geo¹

A++ | A++



Wi-Fi Control



AI Auto Comfort



R32 Refrigerant



Nordic Airise Plus¹

A++ | A++



Wi-Fi Control



AI Auto Comfort



R32 Refrigerant



Nordic Airise¹

A+ | A+



Wi-Fi Control



AI Auto Comfort



R32 Refrigerant

¹ Models not available in Multi Split.

Energy labels as shown are based on 9k Btu versions and are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Products at a glance

Commercial Split



WindFree™ 1-Way Cassette



WindFree™
Cooling



Quiet Operation



Wi-Fi Control
(Optional)



WindFree™ 4-Way Cassette



WindFree™
Cooling



Quiet Operation



Wi-Fi Control
(Optional)



Big Blade &
Slanted Design



Energy Efficiency



Air Purification
Panel (Optional)



Motion Detect
Sensor (Optional)



Auto Elevation
Panel (Optional)



360 Cassette



Stylish Design



Booster Fan



Circular Air Flow



Circular LED
Display



Motion Detect
Sensor (Optional)



Air Purification
Panel (Optional)



Auto Elevation
Panel (Optional)



Wi-Fi Control
(Optional)



WindFree™ Deluxe



WindFree™
Cooling



Wi-Fi Control
(Optional)



Fast Cooling

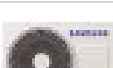
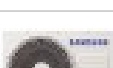
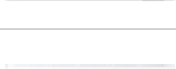


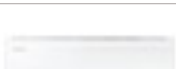
Single Split





Line-up

Model	Indoor Unit	Outdoor unit (2.5 kW & 3.5 kW)	2.5 kW	3.5 kW	Outdoor unit (5.2 kW & 6.8 kW)	5.2 kW	6.8 kW
WindFree™ Elite			•	•			
WindFree™ Pure 1.0			•	•			
WindFree™ Avant			•	•		•	•
WindFree™ Comfort			•	•		•	•
Cebu			•	•		•	•
Luzon			•	•		•	•
AR35			•	•		•	•
AR30			•	•			

Range	Indoor Unit	Outdoor unit (2.5 kW & 3.5 kW)	2.5 kW	3.5 kW			
Nordic WindFree™ Geo			•	•			
Nordic Geo Premium			•	•			
Nordic Geo			•	•			
Nordic Airise Plus			•	•			
Nordic Airise			•	•			



Single Split



Selection Guide

WindFree™ Range



Model		WindFree™ Elite		WindFree™ Pure 1.0		WindFree™ Avant		WindFree™ Comfort	
Energy Efficiency	Energy Label (SEER/SCOP) ¹	A+++	A+++	A++	A++	A++	A++	A++	A+
Certification	Eurovent	●		●		●		●	
Airflow	WindFree™ Cooling	●		●		●		●	
	Motion Detect Sensor (MDS)	●		-		-		-	
	Air Direction Control (Up/Down)	Auto		Auto		Auto		Auto	
	Air Direction Control (Left/Right)	Auto		Auto		Auto		Auto	
	Airflow Control Step (Cool/Fan)	5/4		5/4		5/4		5/4	
	Auto Fan Speed	●		●		●		●	
Air Purification	PM1.0 Filter	-		●		-		-	
	PM ₁₀ Reduction	●		●		●		-	
	Easy Filter Plus/HD Filter	●		●		●		●	
	Tri-Care Filter	●		-		●		-	
	Allergy Care	●		-		●		-	
	Anti-Bacteria	●		●		●		●	
	Anti-Virus	●		●		●		-	
	Auto Clean (Self-Cleaning)	●		●		●		●	
Functions	Samsung SmartThings	●		●		●		●	
	Smart Operation (AI)	●		●		●		●	
	MDS (Motion Detect Sensor)	●		-		-		-	
	Filter Cleaning Indicator	●		●		●		●	
	Indoor Temperature Display	●		●		●		●	
	Voice Control with Bixby ²	●		●		●		●	
	Display On/Off	●		●		●		●	
	88 Display	88		●		●		●	
	LED	●		●		●		●	
	Beep On/Off	●		●		●		●	
	24-Hour Timer/Real Timer	●		●		●		●	
	Auto Changeover	●		●		●		●	
	Auto Restart	●		●		●		●	
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)	●		-		-		-	
	AI Auto Comfort with Wi-Fi	●		●		●		●	
	Auto Mode (without Wi-Fi)	-		-		-		-	
	Fast Cooling	●		●		●		●	
	Comfort Cooling	●		●		●		●	
	Good Sleep	●		●		●		●	
	ECO	●		●		●		●	
	Dehumidification	●		●		●		●	
	Fan	●		●		●		●	
	Quiet	●		●		●		●	
Triple Protector	Anti-Corrosion Fin	●		●		●		●	
	Compressor Protector	●		●		●		●	
	PBA Protector	●		●		●		●	

¹ Energy labels as shown are based on 9k Btu versions and are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² Voice control with Bixby is only available in combination with Wi-Fi connection and mobile phone with Bixby application.



Cebu	Luzon	AR35	AR30
A++ A+	A++ A+	A++ A+	A++ A+
•	•	•	•
-	-	-	-
-	-	-	-
Auto	Auto	Auto	Auto
Manual	Manual	Manual	Manual
5/4	5/4	3/3	3/3
•	•	•	•
-	-	-	-
-	-	-	-
•	•	•	•
-	-	-	-
-	-	•	•
•	•	-	-
-	-	-	-
•	•	-	-
•	-	-	-
•	-	-	-
-	-	-	-
•	•	-	-
•	•	•	•
•	-	-	-
-	-	-	-
•	•	•	•
•	•	•	•
•	•	•	•
•	•	-	-
•	•	•	•
-	-	-	-
•	-	-	-
-	•	-	-
•	•	•	•
•	•	-	-
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	-	-
•	•	-	-

Selection Guide

Nordic Range



Model		Nordic WindFree™ Geo		Nordic Geo Premium		Nordic Geo		Nordic Airise Plus		Nordic Airise	
Energy Efficiency	Energy Label (SEER/SCOP) ¹	A+++	A+++	A+++	A+++	A++	A++	A++	A++	A+	A+
Certification	Eurovent	•	•	•	•	•	•	•	•	•	•
Airflow	WindFree™ Cooling	•	•	•	•	-	-	-	-	-	-
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Auto	Auto	Auto	Manual	Manual	Manual	Manual
	Airflow Control Step (Cool/Fan)	5/4	5/4	5/4	5/4	5/4	5/4	5/4	5/4	5/4	5/4
	Auto Fan Speed	•	•	•	•	•	•	•	•	•	•
Air Purification	PM ₁₀ Reduction	•	•	-	-	-	-	-	-	-	-
	Easy Filter Plus/HD Filter	•	•	•	•	•	•	•	•	•	•
	Tri-Care Filter	•	•	-	-	-	-	-	-	-	-
	Allergy Care	•	•	-	-	-	-	-	-	-	-
	Anti-Bacteria	•	•	•	•	•	•	•	•	•	•
	Anti-Virus	•	•	-	-	-	-	-	-	-	-
	Auto Clean (Self-Cleaning)	•	•	•	•	•	•	•	•	•	•
Functions	Samsung SmartThings	•	•	•	•	•	•	•	•	•	•
	Smart Operation (AI)	•	•	•	•	•	•	•	•	•	•
	MDS (Motion Detect Sensor)	•	•	-	-	-	-	-	-	-	-
	Filter Cleaning Indicator	•	•	•	•	•	•	•	•	•	•
	Indoor Temperature Display	•	•	•	•	•	•	•	•	•	•
	Voice Control with Bixby ²	•	•	•	•	•	•	•	•	•	•
	Display On/Off	88	•	•	•	•	•	•	•	•	•
	LED	•	•	•	•	•	•	•	•	•	•
	Beep On/Off	•	•	•	•	•	•	•	•	•	•
	24-Hour Timer/Real Timer	24 Hr	24 Hr	24 Hr	24 Hr	24 Hr	24 Hr	24 Hr	24 Hr	24 Hr	24 Hr
	Auto Changeover	•	•	•	•	•	•	•	•	•	•
	Auto Restart	•	•	•	•	•	•	•	•	•	•
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)	•	•	-	-	-	-	-	-	-	-
	AI Auto Comfort with Wi-Fi	-	•	•	•	•	•	•	•	•	•
	Operation Range Heating	-30°C~24°C	-30°C~24°C	-30°C~24°C	-30°C~24°C	-30°C~24°C	-30°C~24°C	-30°C~24°C	-30°C~24°C	-30°C~24°C	-30°C~24°C
	Fast Cooling	•	•	•	•	•	•	•	•	•	•
	Comfort Cooling	•	•	•	•	•	•	•	•	•	•
	Good Sleep	•	•	•	•	•	•	•	•	•	•
	ECO	•	•	•	•	•	•	•	•	•	•
	Dehumidification	•	•	•	•	•	•	•	•	•	•
	Fan	•	•	•	•	•	•	•	•	•	•
	Quiet	•	•	•	•	•	•	•	•	•	•
	Triple Protector	•	•	•	•	•	•	•	•	•	•
Triple Protector	Anti-Corrosion Fin	•	•	•	•	•	•	•	•	•	•
	Compressor Protector	•	•	•	•	•	•	•	•	•	•
	PBA Protector	•	•	•	•	•	•	•	•	•	•

¹ Energy labels as shown are based on 9k Btu versions and are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² Voice control with Bixby is only available in combination with Wi-Fi connection and mobile phone with Bixby application.

Nomenclature

Residential Units

AR12TXEAAWKNEU

123456789

1	Classification	AR	Single Split (RAC)
2	Capacity		x1,000 BTU/h
3	Year	T	2020
		A	2021
		B	2022
		C	2023
4	Product Type	X	Inverter R32
5	Feature	C	MDS + Wi-Fi + Tri-Care Filter
		E	Wi-Fi + Tri-Care Filter
		F	Wi-Fi
		H	HD Filter
		K	Wi-Fi + PM1.0 Filter
6	Design	A	WindFree™ Elite/Pure/Avant
		C	WindFree™ Comfort
		Y	Cebu
		Z	Luzon
		Q	AR
7	Series	A	First Series
		B	Second Series
8	Colour	WK	DA White
		SI	Shining White
9	Unit Type	N	Indoor Unit
		X	Outdoor Unit

Specifications

WindFree™ Elite R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort and Motion Detect Sensor.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller².
- SolarCell remote controller included.



Indoor Unit			AR09CXCAAWKNEU	AR12CXCAAWKNEU
Outdoor Unit			AR09TXCAAWKXEU	AR12TXCAAWKXEU
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min-Max)	kW	0.9–3.6	0.9–4.8
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min-Max)	kW	0.8–7.1	0.8–7.3
	Heating @ -5 °C	kW	4.15	4.83
	Heating @ -10 °C	kW	3.98	4.62
	Heating @ -15 °C	kW	3.92	4.52
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	8.8/ A+++	8.5/ A+++
	Power Consumption	kWh/a	99	144
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP ¹	W/W	5.1/ A+++	5.1/ A+++
	Power Consumption	kWh/a	631	659
	Pdesignh (average)	kW	2.3	2.4
	COP ¹	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	11.1	12.1
	Outdoor Unit	m³/min	45.0	45.0
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	39/16	40/16
	Outdoor Unit High	dB(A)	45	46
Operating Temperature Range	Cooling	°C	-10–46	-10–46
	Heating	°C	-15–24	-15–24
Electrical Data				
Power Source		Φ, V, Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	540	885
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	4.4
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	10.6	10.6
	Outdoor Unit	kg	32.5	32.5
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.97	0.97
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.65	0.65
	Additional Refrigerant Charging	g/m	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15
Piping Height	Max	m	8	8
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² A MIM-R10N Interface is required to connect the Outdoor Unit (ODU) to the centralized controller.



Indoor Unit		AR09CXCAAWKNEU	AR12CXCAAWKNEU
Outdoor Unit		AR09TXCAAWKXEU	AR12TXCAAWKXEU
Functions			
Airflow	WindFree™ Cooling	●	●
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto
	Auto Fan Speed	●	●
Air Purification	Tri-Care Filter	●	●
	Easy Filter Plus	●	●
	Auto Clean (Self-Cleaning)	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)	●	●
	AI Auto Comfort with Wi-Fi	●	●
	Auto Mode (without Wi-Fi)	-	-
	Fast Cooling	●	●
	Good Sleep	●	●
	Eco	●	●
	Dehumidification	●	●
	Fan	●	●
	Quiet	●	●
Other Functions	Samsung SmartThings	●	●
	MDS (Motion Detect Sensor)	●	●
	Indoor Temperature Display	●	●
	Display On/Off 88 Display	●	●
	Beep On/Off	●	●
	Auto Changeover	●	●
	Auto Restart	●	●

Accessory



Wireless SolarCell Remote Controller (included)	Advanced Wired Controller ³	Simple Type Controller ³	Touch Controller ³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

³ MIM-A00N Interface is required for the connection to wired remote controllers.

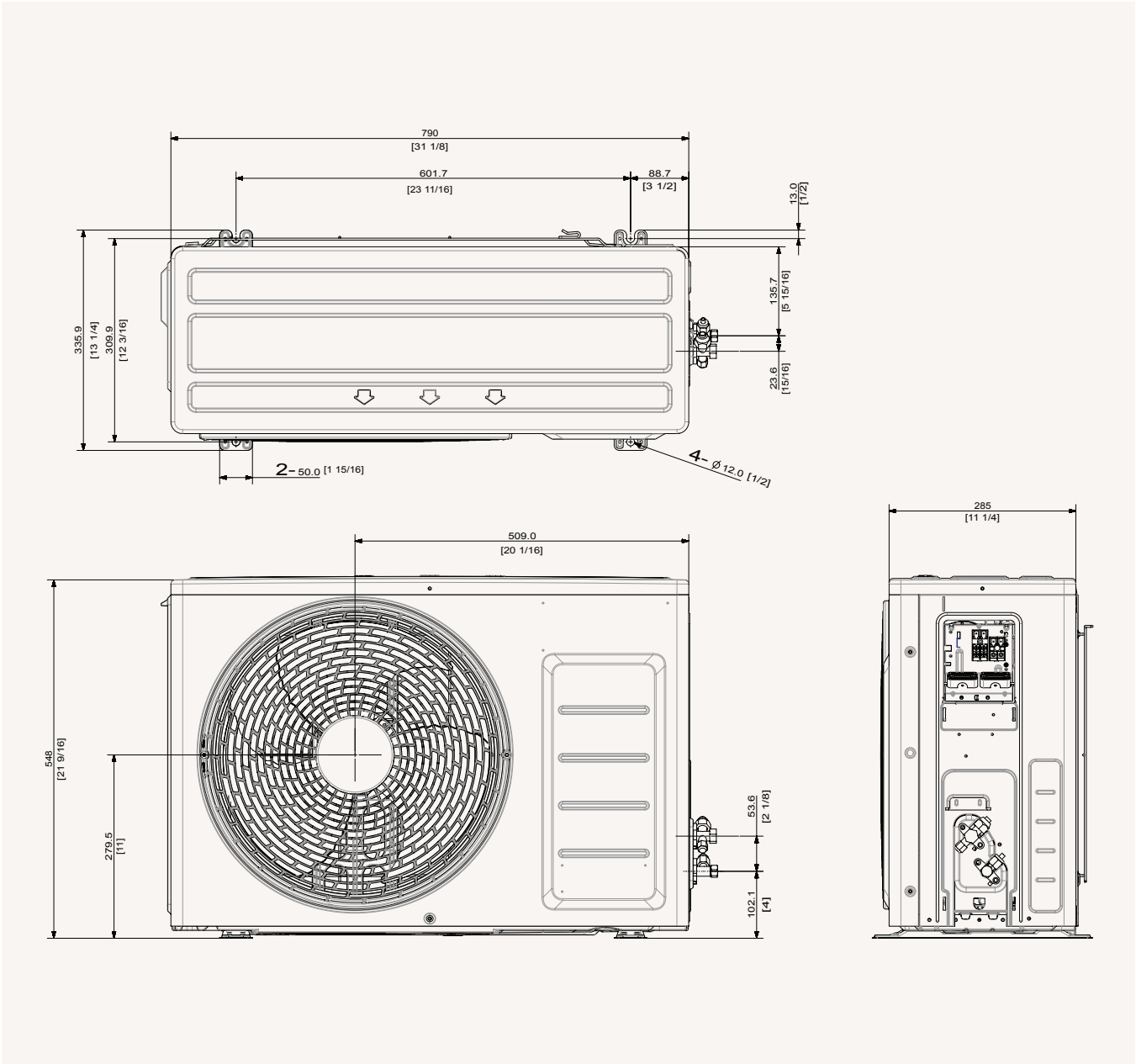
Single Split

AR09/12CXCAAWKNEU



WindFree™ Elite - Outdoor

AR09/12TXCAAWKXEU



Specifications

WindFree™ Pure 1.0 R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- PM1.0 Filter.
- AI Auto Comfort.
- Freeze Wash.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- SolarCell remote controller included.



Indoor Unit		AR09CXKAAWKNEU		AR12CXKAAWKNEU	
Outdoor Unit		AR09AXKAAWKXEU		AR12AXKAAWKXEU	
Capacity					
Capacity	Cooling (Nominal)	kW	2.5		3.5
	Cooling (Min–Max)	kW	0.9-3.4		0.9-4.4
	Heating @ +7 °C	kW	3.2		4.0
	Heating (Min–Max)	kW	0.7-6.5		0.7-6.8
	Heating @ -5 °C	kW	4.33		4.97
	Heating @ -10 °C	kW	4.11		4.7
Heating @ -15 °C		kW	3.63		4.14
Performance					
Energy Efficiency Cooling	SEER ¹	W/W	7.9/ 		7.2/ 
	Power Consumption	kWh/a	111		170
	Pdesignc	kW	2.5		3.5
	EER	W/W	4.46		3.80
Energy Efficiency Heating	SCOP ¹	W/W	4.6/ 		4.6/ 
	Power Consumption	kWh/a	700		730
	Pdesignh (average)	kW	2.3		2.4
	COP ¹	W/W	3.95		3.71
Moisture Removal		l/h	1.0		1.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	11.7		12.1
	Outdoor Unit	m³/min	45		45
Sound Power	Indoor Unit (Cooling)	dB(A)	56		58
	Outdoor Unit (Cooling)	dB(A)	59		62
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	38/19		40/19
	Outdoor Unit High	dB(A)	45		46
Operating Temperature Range	Cooling	°C	-10–46		-10–46
	Heating	°C	-15–24		-15–24
Electrical Data					
Power Source		Φ, V, Hz	1Φ, 220–240 V, 50 Hz		1Φ, 220–240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary		BLDC Rotary
Power Consumption	Cooling	W	560		920
	Heating	W	810		1079
Operating Current	Cooling	A	2.9		4.4
	Heating	A	3.9		5.1
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	820x345x215		820x345x215
	Outdoor Unit	mm	790x548x285		790x548x285
Net Weight	Indoor Unit	kg	10.3		10.3
	Outdoor Unit	kg	32.5		32.5
Refrigerant					
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Charging (for 5 m)	kg	0.965		0.965
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.65		0.65
	Additional Refrigerant Charging	g/m	15		15
Piping Connections	Liquid Pipe	ø, mm (inch)	1/4		1/4
	Gas Pipe	ø, mm (inch)	3/8		3/8
Piping Length	Min/Max (ODU to IDU)	m	3/15		3/15
Piping Height	Max	m	8		8
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm		ø16.3, 550 mm

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.



Indoor Unit		AR09CXKAAWKNEU	AR12CXKAAWKNEU
Outdoor Unit		AR09AXKAAWKXEU	AR12AXKAAWKXEU
Functions			
Airflow	WindFree™ Cooling	●	●
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto
	Auto Fan Speed	●	●
Air Purification	PM1.0 Filter	●	●
	Easy Filter Plus	●	●
	Auto Clean (Self-Cleaning)	●	●
	Freeze Wash	●	●
Operating Mode	AI Auto with Wi-Fi & MDS (direct/Indirect)	-	-
	AI Auto with Wi-Fi	●	●
	Auto Mode (without Wi-Fi)	-	-
	Fast Cool	●	●
	Good Sleep	●	●
	Eco	●	●
	Dehumidification	●	●
	Fan	●	●
	Quiet	●	●
Other Functions	Samsung SmartThings	●	●
	MDS (Motion Detect Sensor)	-	-
	Indoor Temp. Display	●	●
	Air Quality Indication	●	●
	Display On/Off	●	●
	Beep On/Off	●	●
	Auto Changeover	●	●
	Auto Restart	●	●

Accessory



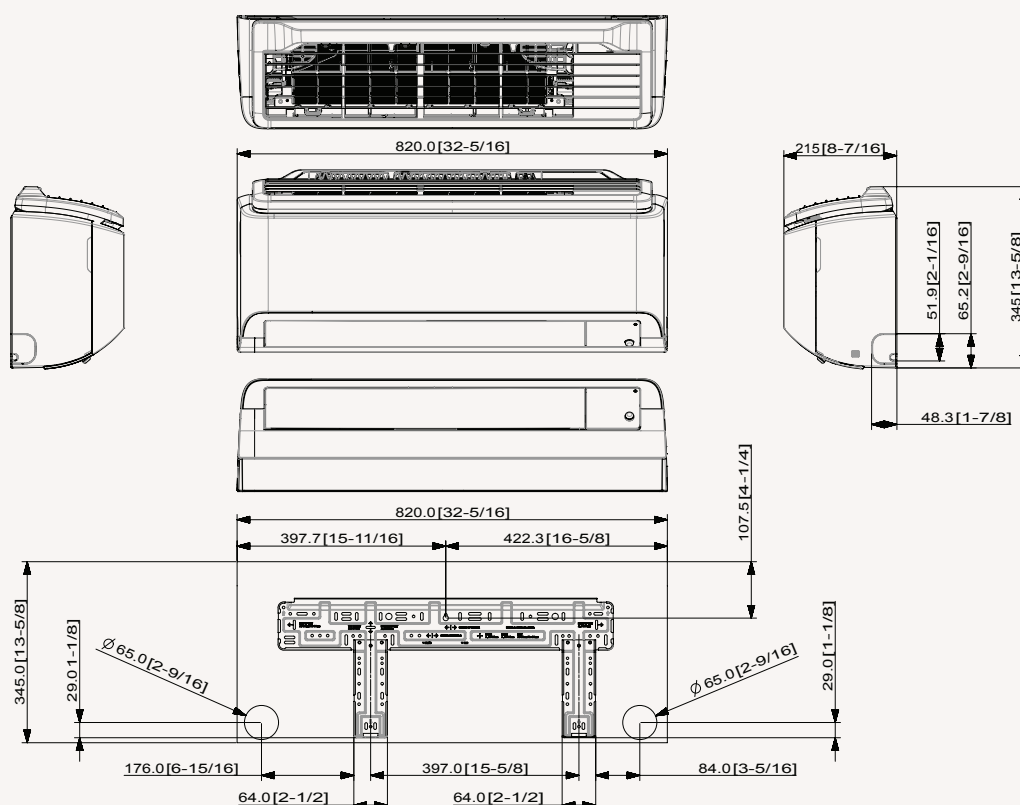
Wireless SolarCell Remote Controller (included)	Advanced Wired Controller ³	Simple Type Controller ³	Touch Controller ³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

³ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

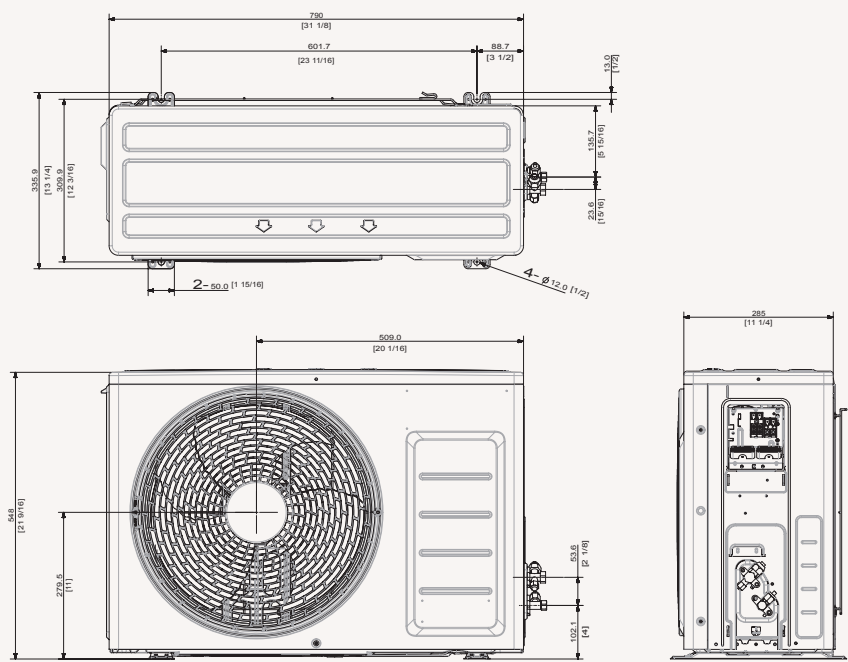
WindFree™ Pure 1.0 - Indoor

AR09/12CXKAAWKNEU



WindFree™ Pure 1.0 - Outdoor

AR09/12AXKAAWKXEU



Specifications

WindFree™ Avant R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.

- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller².



Indoor Unit			AR09TXEAAWKNEU	AR12TXEAAWKNEU	AR18TXEAAWKNEU	AR24TXEAAWKNEU
Outdoor Unit			AR09TXEAAWKXEU	AR12TXEAAWKXEU	AR18TXEAAWKXEU	AR24TXEAAWKXEU
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5.0	6.5
	Cooling (Min-Max)	kW	1.0-3.4	1.0-4.0	1.6-6.7	1.4-7.6
	Heating @ +7 °C	kW	3.2	4.0	6.0	7.4
	Heating (Min-Max)	kW	0.72-5.00	0.74-5.50	1.30-8.00	1.20-9.70
	Heating @ -5 °C	kW	3.62	3.59	5.07	6.04
	Heating @ -10 °C	kW	3.37	3.33	4.70	5.65
	Heating @ -15 °C	kW	3.12	3.07	4.63	5.60
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	7.9/ A++	7.3/ A++	6.8/ A++	6.4/ A++
	Power Consumption	kWh/a	111	168	257	355
	Pdesignc	kW	2.5	3.5	5.0	6.5
	EER	W/W	4.39	3.76	3.60	3.33
Energy Efficiency Heating	SCOP ¹	W/W	4.6/ A++	4.6/ A++	4.1/ A+	4.0/ A+
	Power Consumption	kWh/a	670	730	1,298	1,435
	Pdesignh (average)	kW	2.2	2.4	3.8	4.1
	COP ¹	W/W	4.21	3.74	3.53	3.15
Moisture Removal		l/h	1.0	1.5	2.0	2.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	9.5	10.5	15.7	17.6
	Outdoor Unit	m³/min	45.0	45.0	50.0	50.0
Sound Power	Indoor Unit (Cooling)	dB(A)	57	57	58	62
	Outdoor Unit (Cooling)	dB(A)	62	62	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	38/16	40/16	41/25	45/26
	Outdoor Unit High	dB(A)	45	46	51	54
Operating Temperature Range	Cooling	°C	-10-46	-10-46	-10-46	-10-46
	Heating	°C	-15-24	-15-24	-15-24	-15-24
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	570	930	1,390	1,950
	Heating	W	760	1,070	1,700	2,350
Operating Current	Cooling	A	3.4	4.5	6.4	8.8
	Heating	A	3.7	5.1	7.8	10.5
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	9.9	9.9	12.2	12.5
	Outdoor Unit	kg	29.9	29.9	39.7	43.7
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0.94	0.94	1.30	1.30
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.63	0.63	0.88	0.88
	Additional Refrigerant Charging	g/m	10	10	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15	3/30	3/30
Piping Height	Max	m	8	8	15	15
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² A MIM-R10N Interface is required to connect the Outdoor Unit (ODU) to the centralized controller.



Indoor Unit		AR09TXEAAWKNEU	AR12TXEAAWKNEU	AR18TXEAAWKNEU	AR24TXEAAWKNEU
Outdoor Unit		AR09TXEAAWKXEU	AR12TXEAAWKXEU	AR18TXEAAWKXEU	AR24TXEAAWKXEU
Functions					
Airflow	WindFree™ Cooling	●	●	●	●
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Auto
	Auto Fan Speed	●	●	●	●
Air Purification	Tri-Care Filter	●	●	●	●
	Easy Filter Plus	●	●	●	●
	Auto Clean (Self-Cleaning)	●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)	-	-	-	-
	AI Auto Comfort with Wi-Fi	●	●	●	●
	Auto Mode (without Wi-Fi)	-	-	-	-
	Fast Cooling	●	●	●	●
	Good Sleep	●	●	●	●
	Eco	●	●	●	●
	Dehumidification	●	●	●	●
	Fan	●	●	●	●
	Quiet	●	●	●	●
Other Functions	Samsung SmartThings	●	●	●	●
	MDS (Motion Detect Sensor)	-	-	-	-
	Indoor Temperature Display	●	●	●	●
	Display On/Off 88 Display	●	●	●	●
	Beep On/Off	●	●	●	●
	Auto Changeover	●	●	●	●
	Auto Restart	●	●	●	●

Accessory



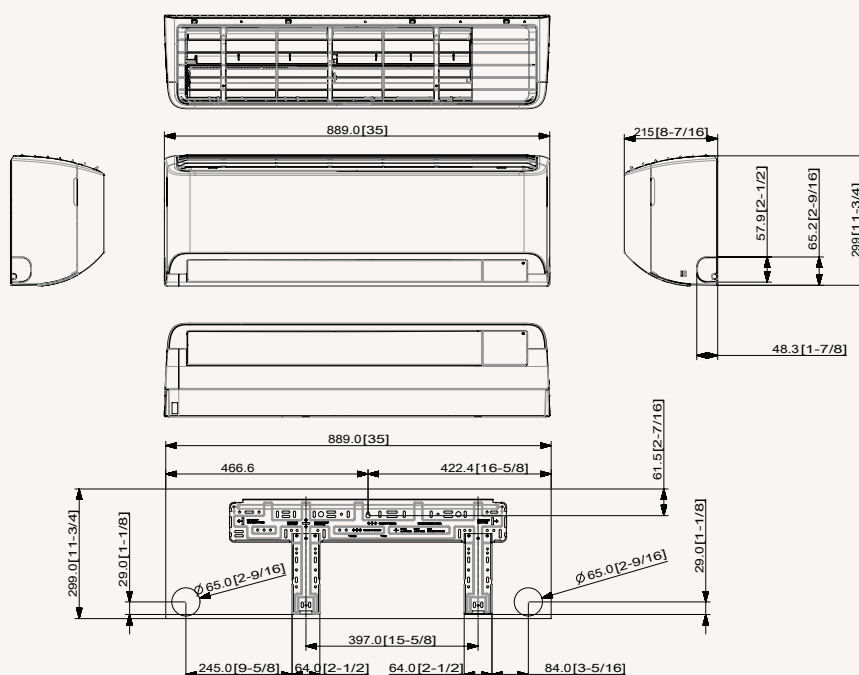
Wireless Remote Controller (included)	Advanced Wired Controller³	Simple Type Controller³	Touch Controller³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

³ MIM-A00N Interface is required for the connection to wired remote controllers.

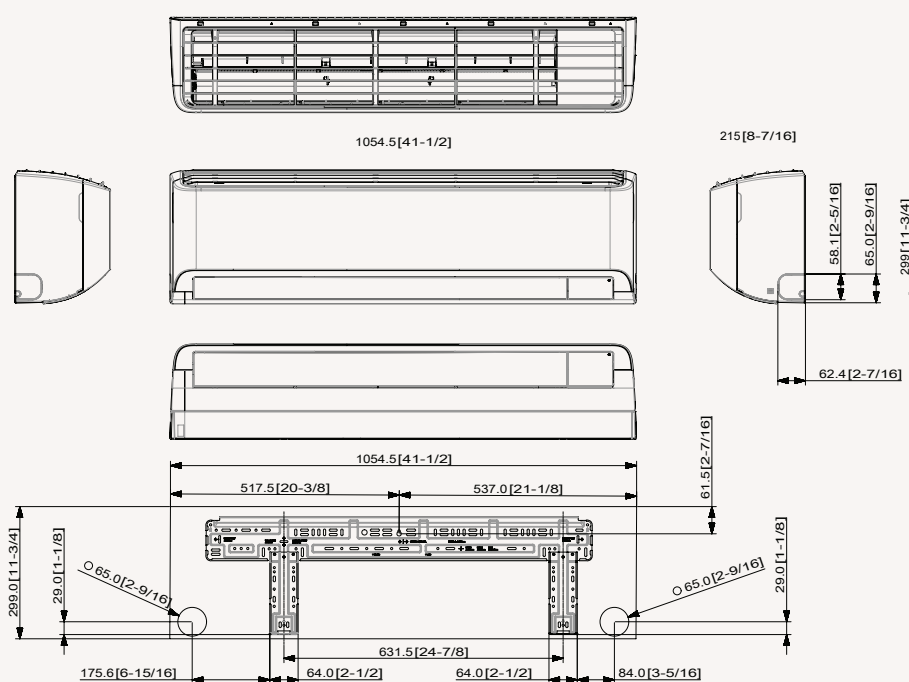
Dimensional drawings

WindFree™ Avant - Indoor

AR09/12TXEAAWKNEU

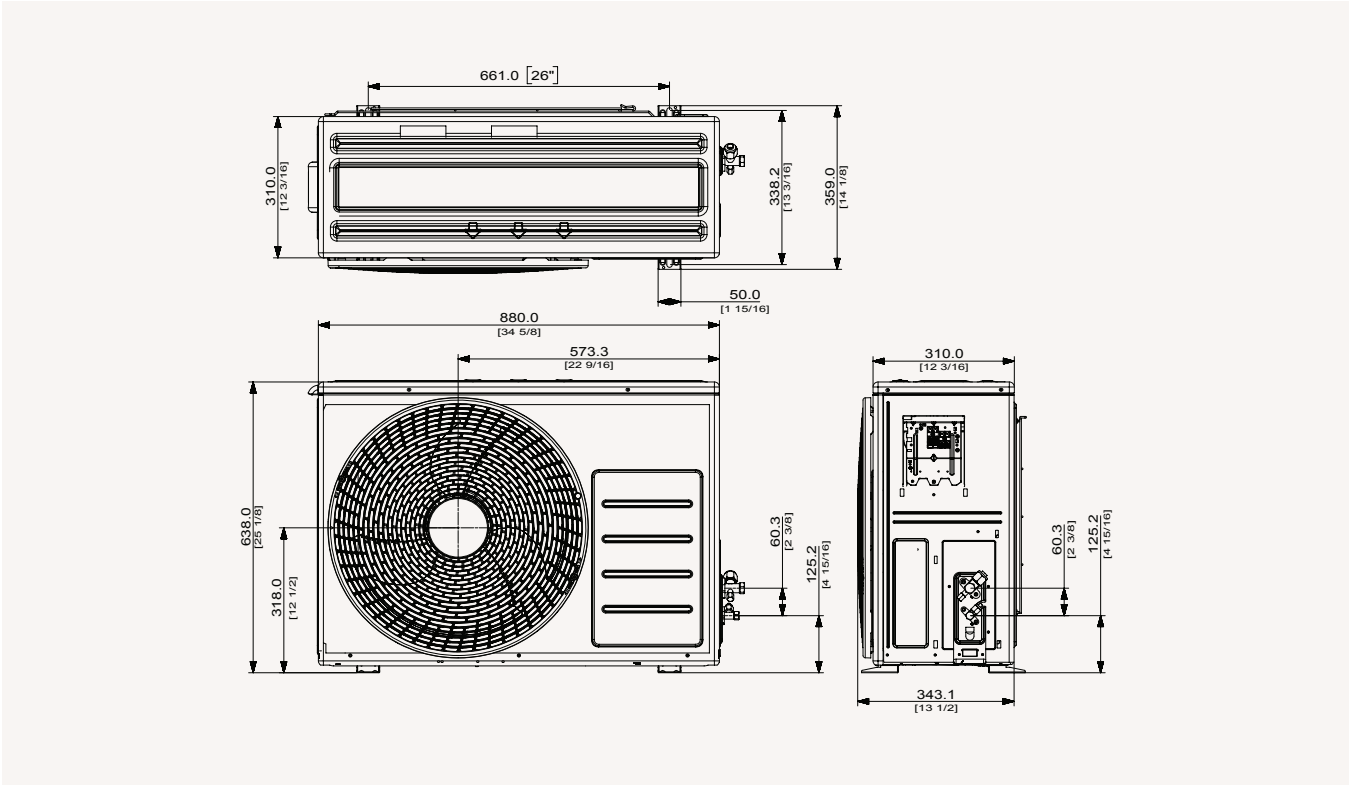


AR18/24TXEAAWKNEU

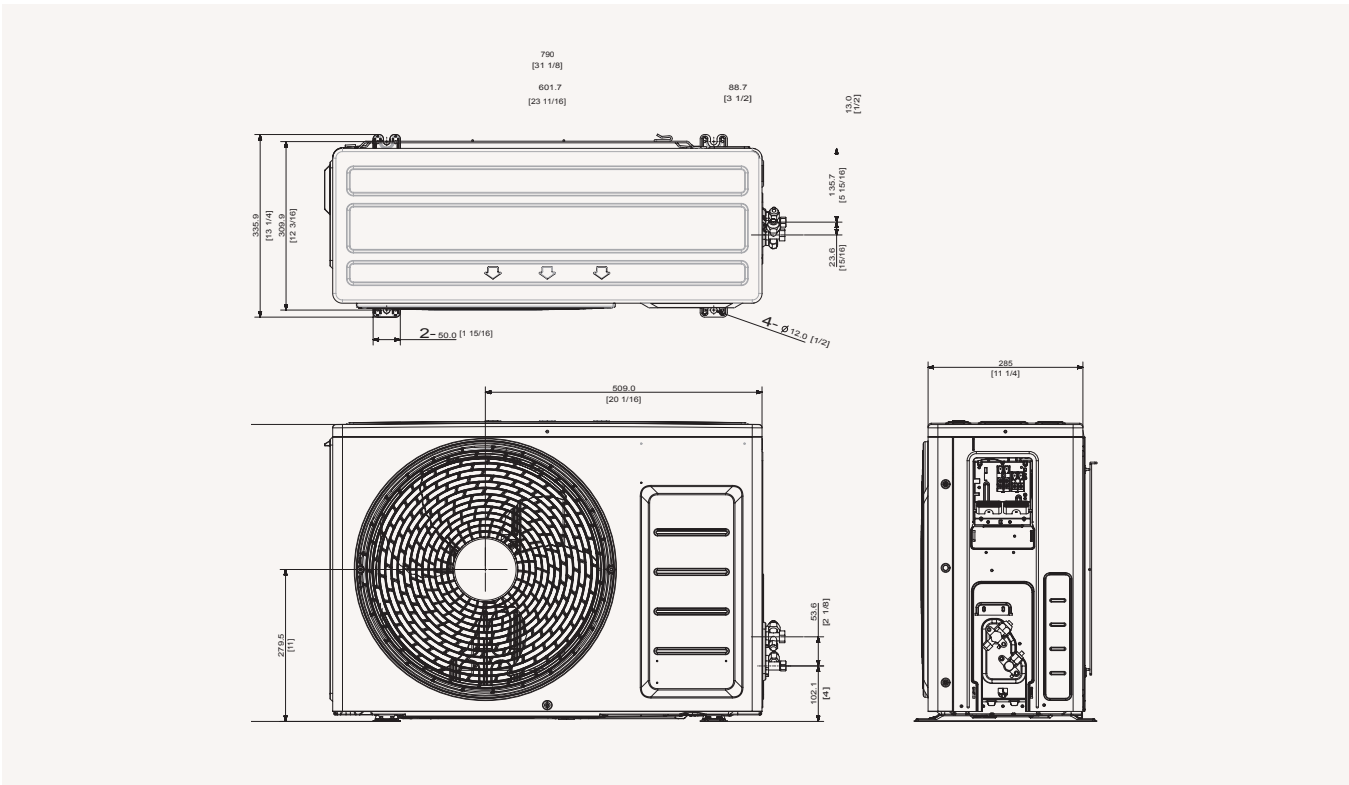


WindFree™ Avant - Outdoor

AR18/24TXEAAWKXEU



AR18/24TXEAAWKXEU



Specifications

WindFree™ Comfort R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.

- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller. The centralized controller is only compatible with bigger capacity ODU².



Indoor Unit			AR09TXFCWKNUE	AR12TXFCWKNUE	AR18TXFCWKNUE	AR24TXFCWKNUE
Outdoor Unit			AR09TXFCWKNUE	AR12TXFCWKNUE	AR18TXFCWKNUE	AR24TXFCWKNUE
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5.0	6.5
	Cooling (Min-Max)	kW	0.9-3.4	0.9-4.0	1.6-6.7	1.4-7.6
	Heating @ +7 °C	kW	3.2	3.5	6.0	7.4
	Heating (Min-Max)	kW	0.9-4.5	0.9-5.0	1.3-8.0	1.2-9.4
	Heating @ -5 °C	kW	2.74	3.09	4.84	6.00
	Heating @ -10 °C	kW	2.48	2.87	4.57	5.55
	Heating @ -15 °C	kW	2.29	2.58	4.58	5.66
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	6.7/ 	6.5/ 	6.8/ 	6.4/ 
	Power Consumption	kWh/a	131	188	257	355
	Pdesignc	kW	2.5	3.5	5.0	6.5
	EER	W/W	3.57	2.87	3.60	3.33
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ 	4.0/ 	3.8/ 	3.8/ 
	Power Consumption	kWh/a	735	770	1,400	1,511
	Pdesignh (average)	kW	2.1	2.2	3.8	4.1
	COP ¹	W/W	3.81	3.72	3.51	3.15
Moisture Removal		l/h	1.0	1.5	2.0	2.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	10.3	10.7	16.6	17.3
	Outdoor Unit	m³/min	28.0	28.0	50.0	50.0
Sound Power	Indoor Unit (Cooling)	dB(A)	54	56	58	62
	Outdoor Unit (Cooling)	dB(A)	63	64	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	37/19	38/19	41/25	45/26
	Outdoor Unit High	dB(A)	46	47	51	54
Operating Temperature Range	Cooling	°C	-10-46	-10-46	-10-46	-10-46
	Heating	°C	-15-24	-15-24	-15-24	-15-24
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	700	1,200	1,390	1,950
	Heating	W	840	940	1,710	2,350
Operating Current	Cooling	A	3.4	4.5	6.4	8.8
	Heating	A	3.7	5.1	7.8	10.5
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	660 x 475 x 242	660 x 475 x 242	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	8.9	8.9	11.5	11.6
	Outdoor Unit	kg	23.0	23.0	39.7	43.2
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0.70	0.70	1.30	1.15
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.47	0.47	0.88	0.78
	Additional Refrigerant Charging	g/m	15	15	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15	3/30	3/30
Piping Height	Max	m	8	8	15	15
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² The centralized controller is only compatible with specific bigger capacity ODU i.e. AR18TXFCWKNUE and AR24TXFCWKNUE. It is not compatible with the 2.5kW and 3.5kW RAC ODU. A MIM-R10N Interface is required for the Outdoor Unit (ODU).



Indoor Unit		AR09TXFCAWKNEU	AR12TXFCAWKNEU	AR18TXFCAWKNEU	AR24TXFCAWKNEU
Outdoor Unit		AR09TXFCAWKXEU	AR12TXFCAWKXEU	AR18TXFCAWKXEU	AR24TXFCAWKXEU
Functions					
Airflow	WindFree™ Cooling	●	●	●	●
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Auto
	Auto Fan Speed	●	●	●	●
Air Purification	Tri-Care Filter	-	-	-	-
	Easy Filter Plus	●	●	●	●
	Auto Clean (Self-Cleaning)	●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)	-	-	-	-
	AI Auto Comfort with Wi-Fi	●	●	●	●
	Auto Mode (without Wi-Fi)	-	-	-	-
	Fast Cooling	●	●	●	●
	Good Sleep	●	●	●	●
	Eco	●	●	●	●
	Dehumidification	●	●	●	●
	Fan	●	●	●	●
	Quiet	●	●	●	●
Other Functions	Samsung SmartThings	●	●	●	●
	MDS (Motion Detect Sensor)	-	-	-	-
	Indoor Temperature Display	●	●	●	●
	Display On/Off 88 Display	●	●	●	●
	Beep On/Off	●	●	●	●
	Auto Changeover	●	●	●	●
	Auto Restart	●	●	●	●

Accessory



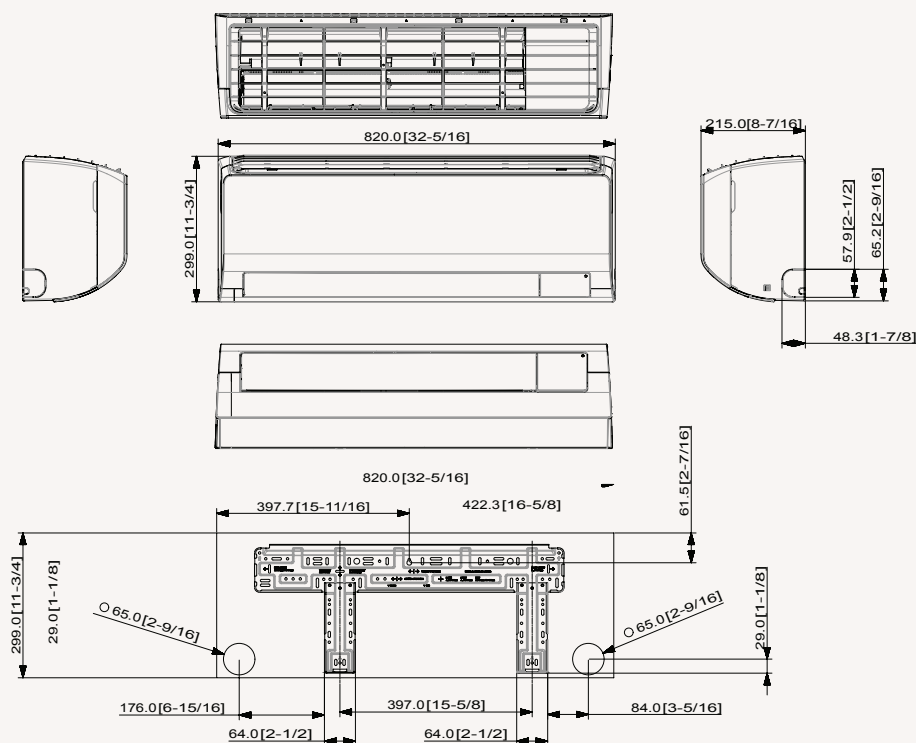
Wireless Remote Controller (included)	Advanced Wired Controller³	Simple Type Controller³	Touch Controller³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

³ MIM-A00N Interface is required for the connection to wired remote controllers.

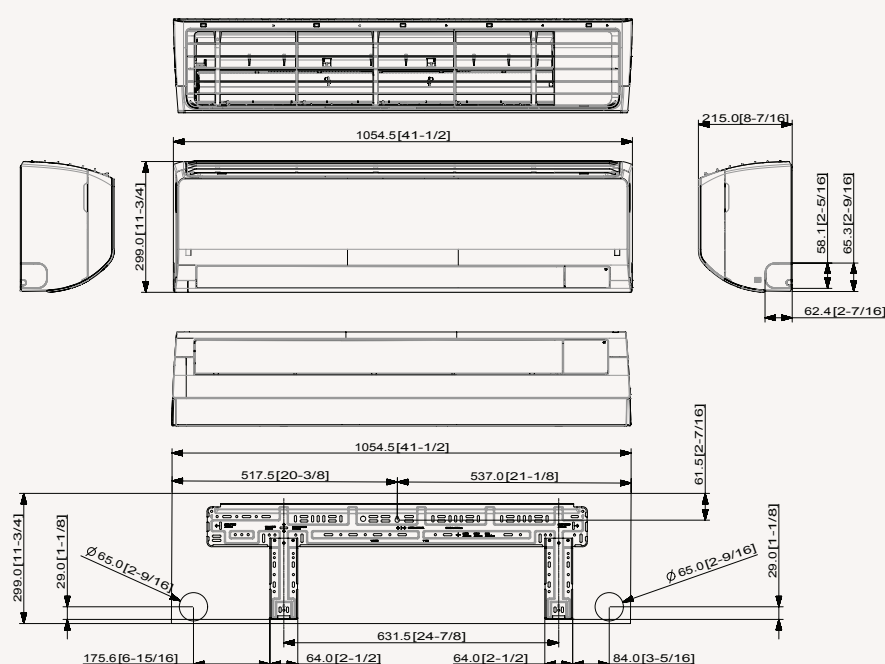
Dimensional drawings

WindFree™ Comfort - Indoor

AR09/12TXFAWKNEU

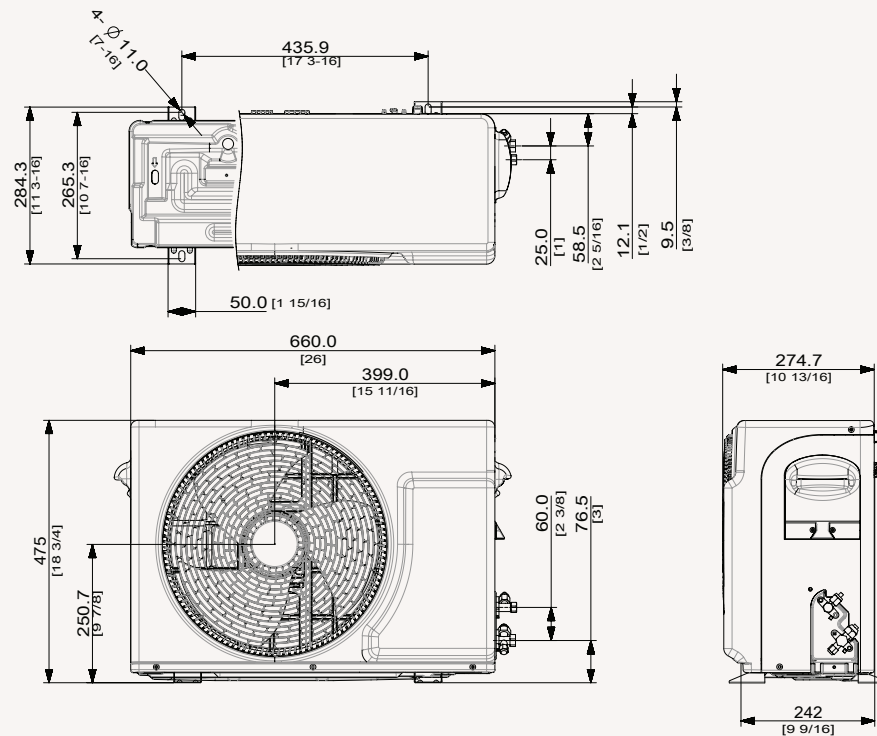


AR18/24TXFAWKNEU

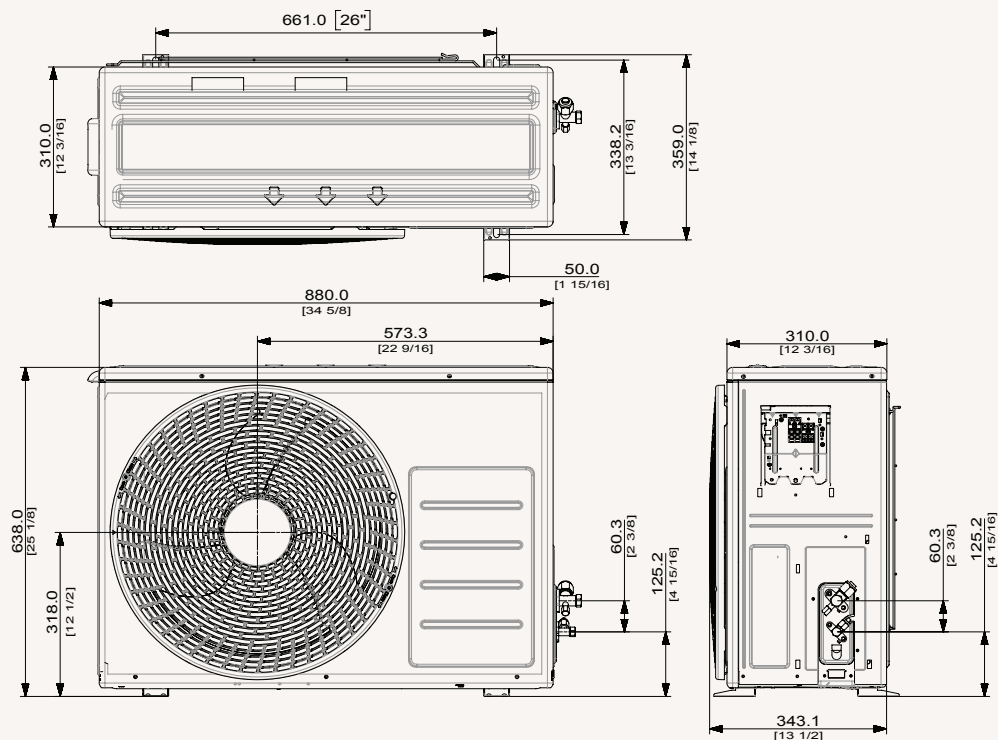


WindFree™ Comfort - Outdoor

AR09/12TXFCAWKXEU



AR18/24TXFCAWKXEU



Specifications

Cebu R32

- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.

- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller. The centralized controller is only compatible with bigger capacity ODU².



Indoor Unit			AR09TXFYAWKNEU	AR12TXFYAWKNEU	AR18TXFYAWKNEU	AR24TXFYAWKNEU
Outdoor Unit			AR09TXFYAWKXEU	AR12TXFYAWKXEU	AR18TXFYAWKXEU	AR24TXFYAWKXEU
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5.0	6.5
	Cooling (Min–Max)	kW	0.9–3.4	0.9–4.0	1.6–6.7	1.4–7.6
	Heating @ +7 °C	kW	3.2	3.5	6.0	7.4
	Heating (Min–Max)	kW	0.9–4.5	0.9–5.0	1.3–8.0	1.2–9.4
	Heating @ -5 °C	kW	2.74	3.09	4.84	6.00
	Heating @ -10 °C	kW	2.48	2.87	4.57	5.55
	Heating @ -15 °C	kW	2.29	2.58	4.58	5.66
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	6.7/ A++	6.5/ A++	6.8/ A++	6.4/ A++
	Power Consumption	kWh/a	131	188	257	355
	Pdesignc	kW	2.5	3.5	5.0	6.5
	EER	W/W	3.57	2.87	3.60	3.33
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+	4.0/ A+	3.8/ A	4.0/ A
	Power Consumption	kWh/a	735	770	1,400	1,511
	Pdesignh (average)	kW	2.1	2.2	3.8	4.1
	COP ¹	W/W	3.81	3.72	3.53	3.15
Moisture Removal		l/h	1.0	1.5	2.0	2.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	10.5	10.9	16.5	17.2
	Outdoor Unit	m³/min	28.0	28.0	50.0	50.0
Sound Power	Indoor Unit (Cooling)	dB(A)	54	56	58	62
	Outdoor Unit (Cooling)	dB(A)	63	64	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	37/19	38/19	41/25	45/26
	Outdoor Unit High	dB(A)	46	47	51	54
Operating Temperature Range	Cooling	°C	-10–46	-10–46	-10–46	-10–46
	Heating	°C	-15–24	-15–24	-15–24	-15–24
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	700	1,220	1,390	1,950
	Heating	W	840	940	1,700	2,350
Operating Current	Cooling	A	3.6	5.6	6.4	8.8
	Heating	A	4.0	4.5	7.8	10.5
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	660 x 475 x 242	660 x 475 x 242	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	9.1	9.1	11.5	11.6
	Outdoor Unit	kg	22.6	22.6	39.7	43.2
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0.70	0.70	1.30	1.30
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.47	0.47	0.88	0.88
	Additional Refrigerant Charging	g/m	15	15	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15	3/15	3/15
Piping Height	Max	m	8	8	8	8
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² The centralized controller is only compatible with specific bigger capacity ODU i.e. AR18TXFYAWKXEU and AR24TXFYAWKXEU. It is not compatible with the 2.5kW and 3.5kW RAC ODU. A MIM-R10N Interface is required for the Outdoor Unit (ODU).



Indoor Unit		AR09TXFYAWKNEU	AR12TXFYAWKNEU	AR18TXFYAWKNEU	AR24TXFYAWKNEU
Outdoor Unit		AR09TXFYAWKXEU	AR12TXFYAWKXEU	AR18TXFYAWKXEU	AR24TXFYAWKXEU
Functions					
Airflow	WindFree™ Cooling				
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual	Manual	Manual
	Auto Fan Speed	●	●	●	●
Air Purification	Tri-Care Filter				
	Easy Filter Plus	●	●	●	●
	Auto Clean (Self-Cleaning)	●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)				
	AI Auto Comfort with Wi-Fi	●	●	●	●
	Auto Mode (without Wi-Fi)				
	Fast Cooling	●	●		
	Good Sleep	●	●	●	●
	Eco	●	●	●	●
	Dehumidification	●	●	●	●
	Fan	●	●	●	●
	Quiet	●	●	●	●
	Other Functions				
Other Functions	Samsung SmartThings	●	●	●	●
	MDS (Motion Detect Sensor)				
	Indoor Temperature Display	●	●	●	●
	Display On/Off 88 Display	●	●	●	●
	Beep On/Off	●	●	●	●
	Auto Changeover	●	●	●	●
	Auto Restart	●	●	●	●

Accessory



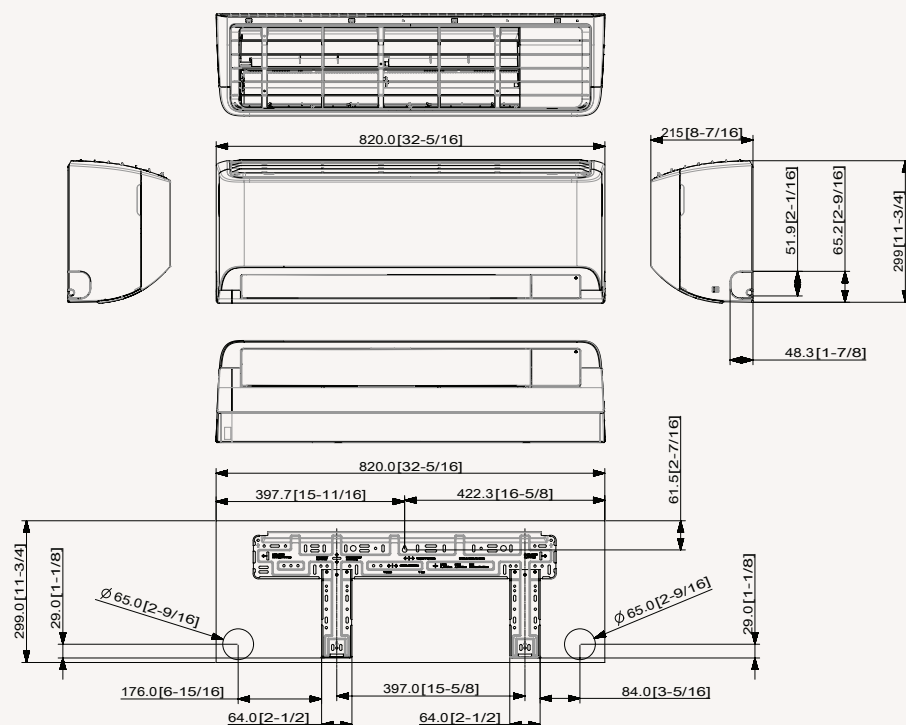
Wireless Remote Controller (included)	Advanced Wired Controller ³	Simple Type Controller ³	Touch Controller ³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

³ MIM-A00N Interface is required for the connection to wired remote controllers.

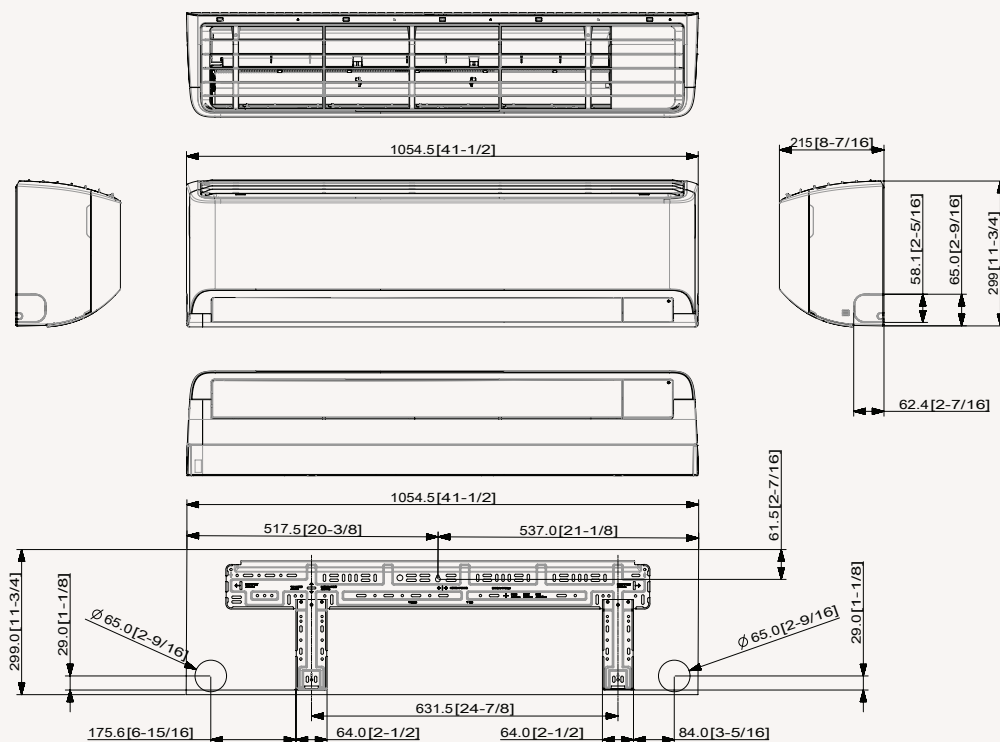
Dimensional drawings

Cebu - Indoor

AR09/12TXFYAWKNEU

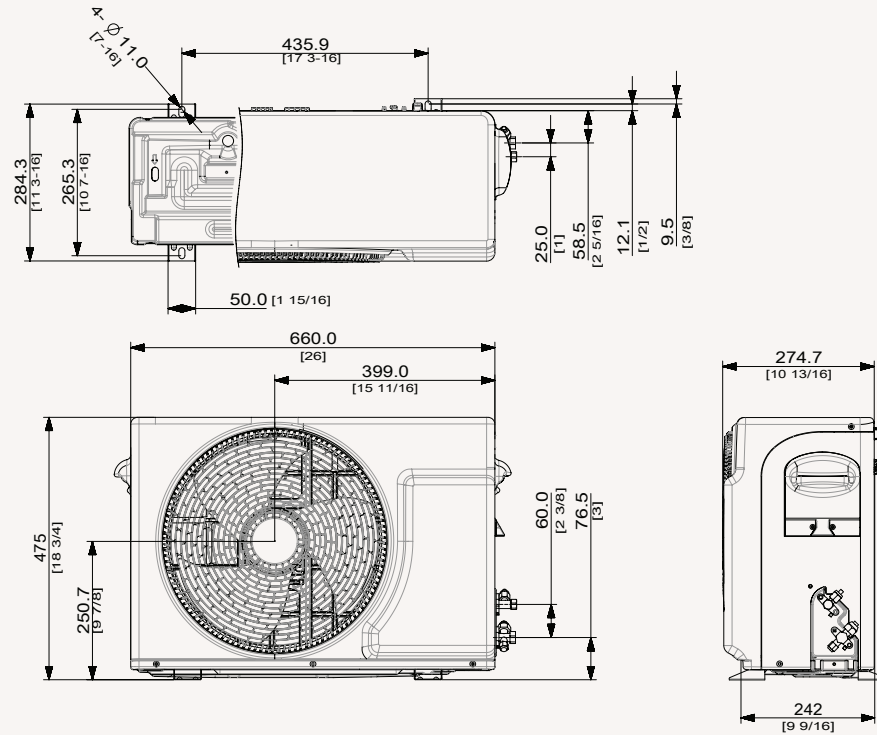


AR18/24TXFYAWKNEU

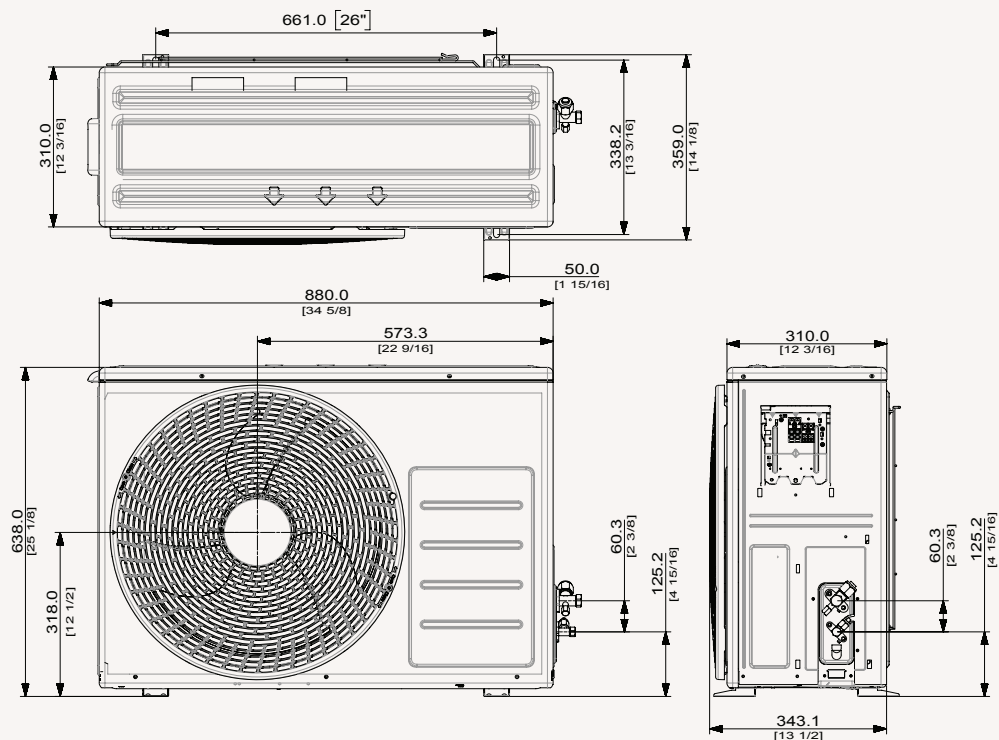


Cebu - Outdoor

AR09/12TXFYAWKXEU



AR18/24TXFYAWKXEU



Specifications

Luzon **R32**

- Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.

- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller. The centralized controller is only compatible with bigger capacity ODU².



Indoor Unit			AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
Outdoor Unit			AR09TXHZAWKXEU	AR12TXHZAWKXEU	AR18TXHZAWKXEU	AR24TXHZAWKXEU
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5.0	6.5
	Cooling (Min-Max)	kW	0.9-3.4	0.9-4.0	1.6-6.7	1.4-7.6
	Heating @ +7 °C	kW	3.2	3.5	6.0	7.4
	Heating (Min-Max)	kW	0.9-4.5	0.9-5.0	1.3-8.0	1.2-9.4
	Heating @ -5 °C	kW	2.74	3.09	4.84	6.00
	Heating @ -10 °C	kW	2.48	2.87	4.57	5.55
	Heating @ -15 °C	kW	2.29	2.58	4.58	5.66
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	6.7/ A++	6.5/ A++	6.8/ A++	6.4/ A++
	Power Consumption	kWh/a	131	188	257	355
	Pdesignc	kW	2.5	3.5	5.0	6.5
	EER	W/W	3.57	2.87	3.60	3.33
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+	4.0/ A+	3.8/ A	4.0/ A
	Power Consumption	kWh/a	735	770	1,400	1,511
	Pdesignh (average)	kW	2.1	2.2	3.8	4.1
	COP ¹	W/W	3.81	3.72	3.51	3.15
Moisture Removal		l/h	1.0	1.5	2.0	2.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	10.5	10.9	16.5	17.2
	Outdoor Unit	m³/min	28.0	28.0	50.0	50.0
Sound Power	Indoor Unit (Cooling)	dB(A)	54	56	58	62
	Outdoor Unit (Cooling)	dB(A)	63	64	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	37/19	38/19	41/25	45/26
	Outdoor Unit High	dB(A)	46	47	51	54
Operating Temperature Range	Cooling	°C	-10-46	-10-46	-10-46	-10-46
	Heating	°C	-15-24	-15-24	-15-24	-15-24
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	700	1,220	1,390	1,950
	Heating	W	840	940	1,710	2,350
Operating Current	Cooling	A	3.6	5.6	6.4	8.8
	Heating	A	4.0	4.5	7.8	10.5
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	660 x 475 x 242	660 x 475 x 242	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	9.1	9.1	11.5	11.6
	Outdoor Unit	kg	22.6	22.6	39.7	43.2
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0.70	0.70	1.30	1.30
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.47	0.47	0.88	0.88
	Additional Refrigerant Charging	g/m	15	15	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15	3/30	3/30
Piping Height	Max	m	8	8	15	15
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² The centralized controller is only compatible with specific bigger capacity ODU i.e. AR18TXHZAWKXEU and AR24TXHZAWKXEU. It is not compatible with the 2.5kW and 3.5kW RAC ODU. A MIM-R10N Interface is required for the Outdoor Unit (ODU).



Indoor Unit		AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
Outdoor Unit		AR09TXHZAWKXEU	AR12TXHZAWKXEU	AR18TXHZAWKXEU	AR24TXHZAWKXEU
Functions					
Airflow	WindFree™ Cooling				
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual	Manual	Manual
	Auto Fan Speed	●	●	●	●
Air Purification	Tri-Care Filter				
	Easy Filter Plus	●	●	●	●
	Auto Clean (Self-Cleaning)	●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)	-	-	-	-
	AI Auto Comfort with Wi-Fi	-	-	-	-
	Auto Mode (without Wi-Fi)	●	●	●	●
	Fast Cooling	●	●	●	●
	Good Sleep	●	●	●	●
	Eco	●	●	●	●
	Dehumidification	●	●	●	●
	Fan	●	●	●	●
	Quiet	●	●	●	●
Other Functions	Samsung SmartThings	-	-	-	-
	MDS (Motion Detect Sensor)	-	-	-	-
	Indoor Temperature Display	●	●	●	●
	Display On/Off 88 Display	●	●	●	●
	Beep On/Off	●	●	●	●
	Auto Changeover	●	●	●	●
	Auto Restart	●	●	●	●

Accessory



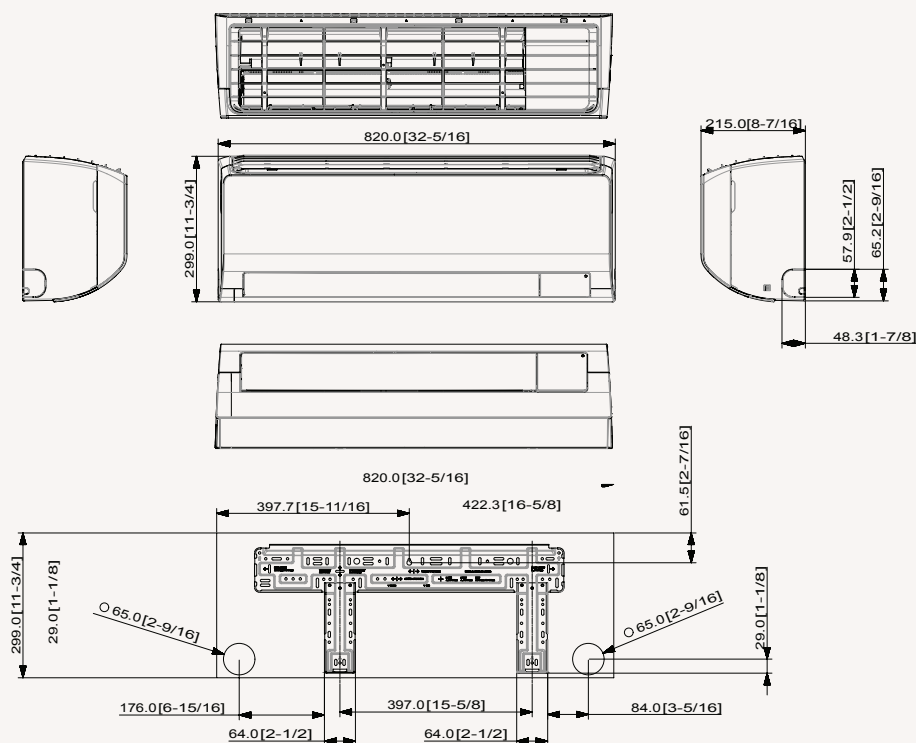
Wireless Remote Controller (included)	Advanced Wired Controller³	Simple Type Controller³	Touch Controller³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

³ MIM-A00N Interface is required for the connection to wired remote controllers.

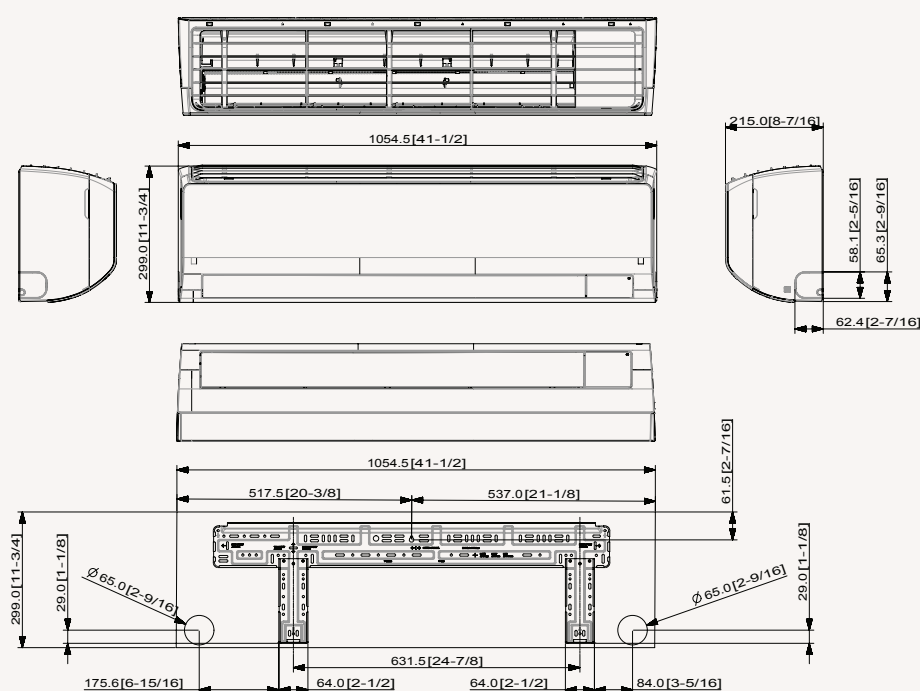
Dimensional drawings

Luzon - Indoor

AR09/12TXHZAWKNEU

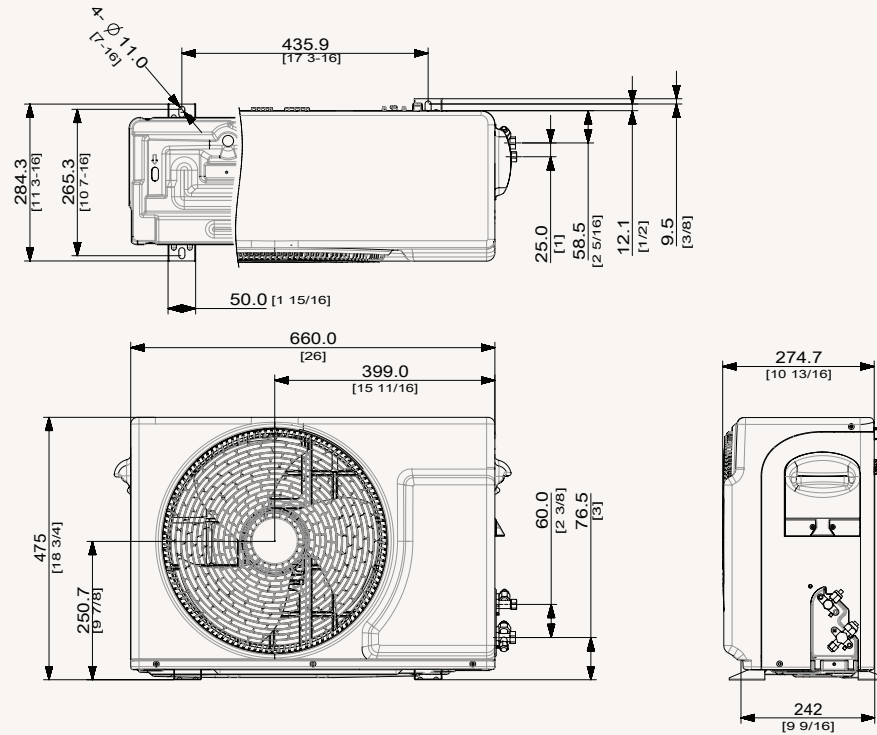


AR18/24TXHZAWKNEU

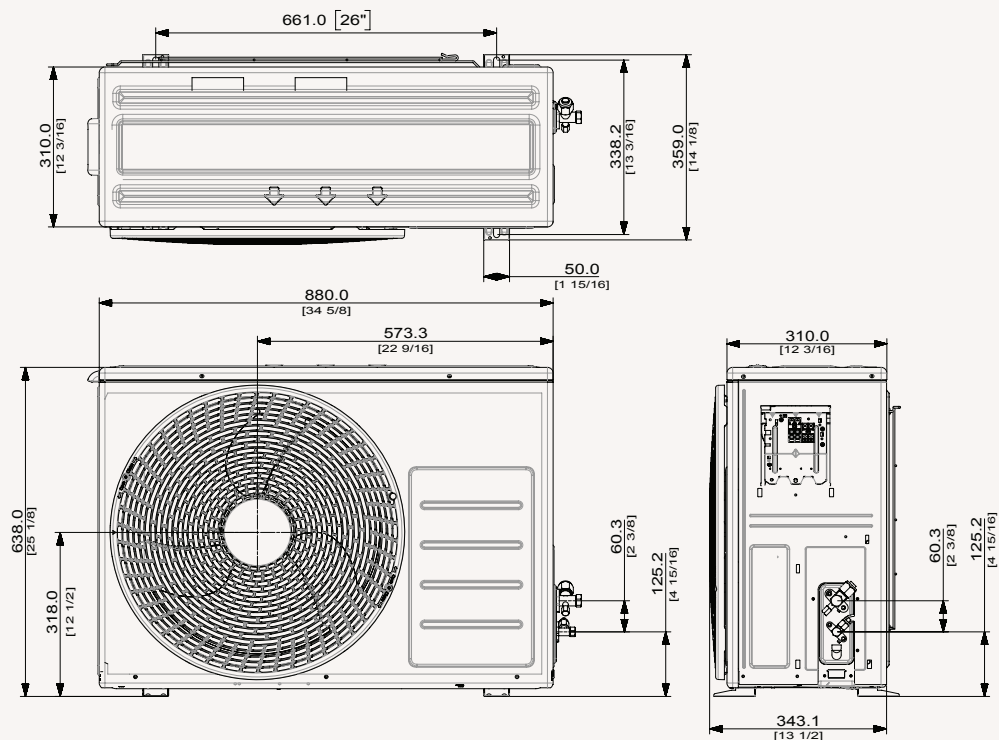


Luzon - Outdoor

AR09/12TXHZAWKXEU



AR18/24TXHZAWKXEU



Specifications

AR35 and AR30 R32

- Digital Inverter Compressor.
- HD Filter system.
- 2-Way Auto Swing function to automatically control airflow direction.

- Fin Protector to protect condensor and optimise Heat Exchanger performance.

AR35	AR30
------	------



Indoor Unit			AR09TXHQASINEU	AR12TXHQASINEU	AR18BXHQASINEU	AR24BXHQASINEU	AR09TXHQBWKNEU	AR12TXHQBWKNEU
Outdoor Unit			AR09TXHQASIXEU	AR12TXHQASIXEU	AR18BXHQASIXEU	AR24BXHQASIXEU	AR09TXHQBWKXEU	AR12TXHQBWKXEU
Capacity								
Capacity	Cooling (Nominal)	kW	2.6	3.5	5.3	7.0	2.6	3.5
	Cooling (Min-Max)	kW	0.9-3.4	1.1-4.2	1.8-6.1	2.1-8.0	0.9-3.4	1.1-4.2
	Heating @ +7 °C	kW	2.9	3.8	5.3	7.3	2.9	3.8
	Heating (Min-Max)	kW	0.8-3.4	1.1-4.2	1.4-6.7	1.6-8.8	0.8-3.4	1.1-4.2
Performance								
Energy Efficiency Cooling	SEER ¹	W/W	6.3/ A++	6.1/ A++	7.1/ A++	6.1/ A++	6.3/ A++	6.1/ A++
	Power Consumption	kWh/a	156	211	TBD	TBD	156	211
	Pdesignc	kW	2.8	3.6	TBD	TBD	2.8	3.6
	EER	W/W	3.43	2.90	3.24	2.87	3.43	2.90
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+	3.9/ A	4.0/ A+	3.9/ A	4.0/ A+	3.9/ A
	Power Consumption	kWh/a	910	969	TBD	TBD	910	969
	Pdesignh (average)	kW	2.6	2.7	TBD	TBD	2.6	2.7
	COP ¹	W/W	3.91	3.50	3.56	3.00	3.91	3.50
Moisture Removal		l/h	1.0	1.2	1.8	2.6	1.0	1.2
Maximum Airflow (Cooling)	Indoor Unit	m³/min	7.77	9.00	14.00	16.33	7.77	9.00
	Outdoor Unit	m³/min	-	-	-	-	-	-
Sound Power	Indoor Unit (Cooling)	dB(A)	55	55	55	59	55	55
	Outdoor Unit (Cooling)	dB(A)	62	65	63	68	62	65
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	36/20	37/22	42/25	43/28	36/20	37/22
	Outdoor Unit High	dB(A)	49	50	56	59.5	49	50
Operating Temperature Range	Cooling	°C	-10-46	-10-46	-10-46	-10-46	-10-46	-10-46
	Heating	°C	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24
Electrical Data								
Power Source		Φ, V, Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Digital Inverter	Digital Inverter	Digital Inverter	Digital Inverter	Digital Inverter	Digital Inverter
Power Consumption	Cooling	W	770	1,213	1,539	2,450	770	1,213
	Heating	W	750	1,088	1,480	2,700	750	1,088
Operating Current	Cooling	A	3.3	5.3	6.9	10.4	3.3	5.3
	Heating	A	3.2	4.7	6.4	11.7	3.2	4.7
Dimensions								
Net Dimensions (W x H x D)	Indoor Unit	mm	805 x 285 x 194	805 x 285 x 194	957 x 302 x 213	1,040 x 327 x 220	805 x 285 x 194	805 x 285 x 194
	Outdoor Unit	mm	720 x 495 x 270	720 x 495 x 270	805 x 554 x 333	890 x 673 x 342	720 x 495 x 270	720 x 495 x 270
Net Weight	Indoor Unit	kg	8.1	8.1	10.5	12.5	8.1	8.1
	Outdoor Unit	kg	23.2	23.2	34.0	52.0	23.2	23.2
Refrigerant								
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Charging (for 5 m)	kg	0.55	0.55	1.00	1.60	0.55	0.55
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.37	0.68	0.68	1.10	0.37	0.37
	Additional Refrigerant Charging	g/m	12	12	12	12	12	12
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)	9.52 (3/8)	9.52 (3/8)
Piping Length	Min/Max (ODU to IDU)	m	25	25	30	50	25	25
Piping Height	Max	m	10	10	20	25	10	10
Piping Connections	Drain Pipe	ø, mm	-	-	-	-	-	-

AR35	AR30
------	------



Indoor Unit		AR09TXHQASINEU	AR12TXHQASINEU	AR18BXHQASINEU	AR24BXHQASINEU	AR09TXHQBWKNEU	AR12TXHQBWKNEU
Outdoor Unit		AR09TXHQASIXEU	AR12TXHQASIXEU	AR18BXHQASIXEU	AR24BXHQASIXEU	AR09TXHQBWKXEU	AR12TXHQBWKXEU

Functions							
Airflow	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual	Manual	Manual	Manual	Manual
	Airflow Control Step (Cool/Fan)	3/3	3/3	3/3	3/3	3/3	3/3
	Auto Fan Speed	●	●	●	●	●	●
Air Purification	Tri-Care Filter	-	-	-	-	-	-
	HD Filter	●	●	●	●	●	●
	Auto Clean (Self-Cleaning)	-	-	-	-	-	-
Operating Mode	2-Step Cooling	-	-	-	-	-	-
	Fast Cooling	●	●	●	●	●	●
	Comfort	-	-	-	-	-	-
	D'light Cool	-	-	-	-	-	-
	Good Sleep	●	●	●	●	●	●
	Dehumidification	●	●	●	●	●	●
	Auto	●	●	●	●	●	●
	Fan	●	●	●	●	●	●
Other Functions	Quiet	-	-	-	-	-	-
	Wi-Fi Control	-	-	-	-	-	-
	24-Hour Timer/Real Timer	●	●	●	●	●	●
	Indoor Temperature Display	●	●	●	●	●	●
	Display On/Off 88 Display	●	●	●	●	●	●
	Beep On/Off	●	●	●	●	●	●
	Auto Changeover	-	-	-	-	-	-
	Auto Restart	●	●	●	●	●	●

Accessory



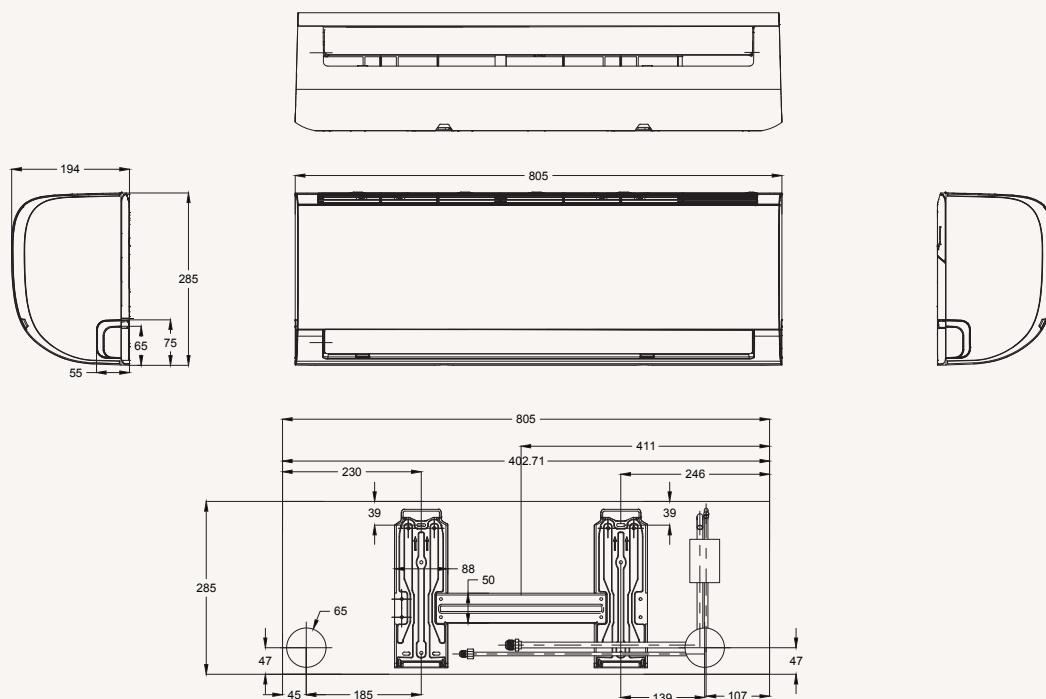
Wireless
Remote Controller (included)

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

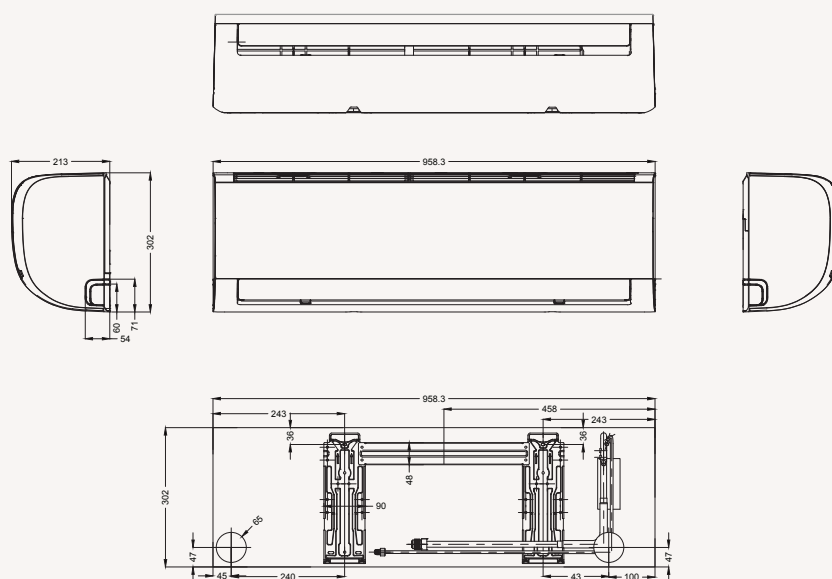
Dimensional drawings

AR35 - Indoor

AR09/12TXHQASINEU



AR18BXHQASINEU

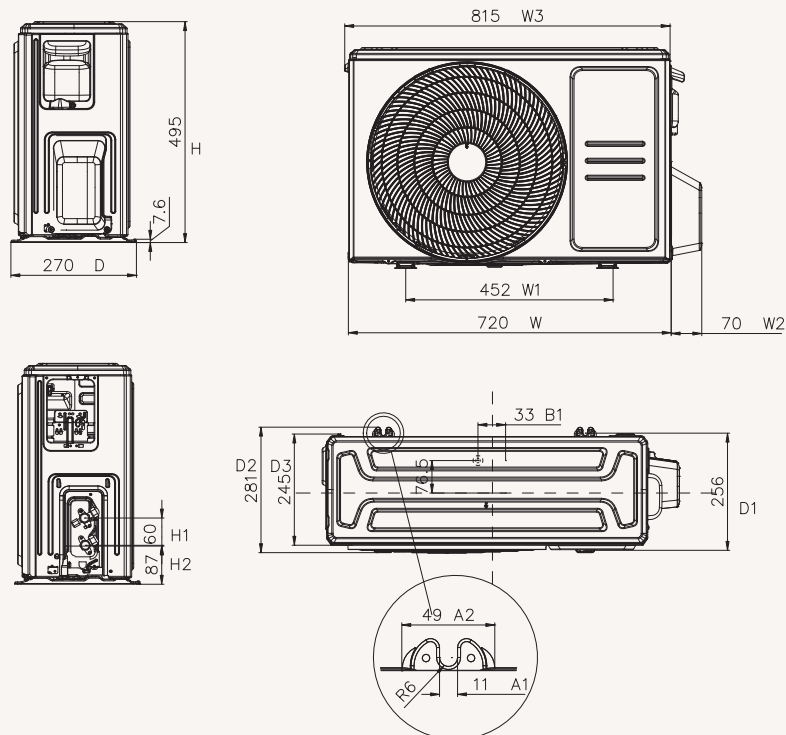


Single split

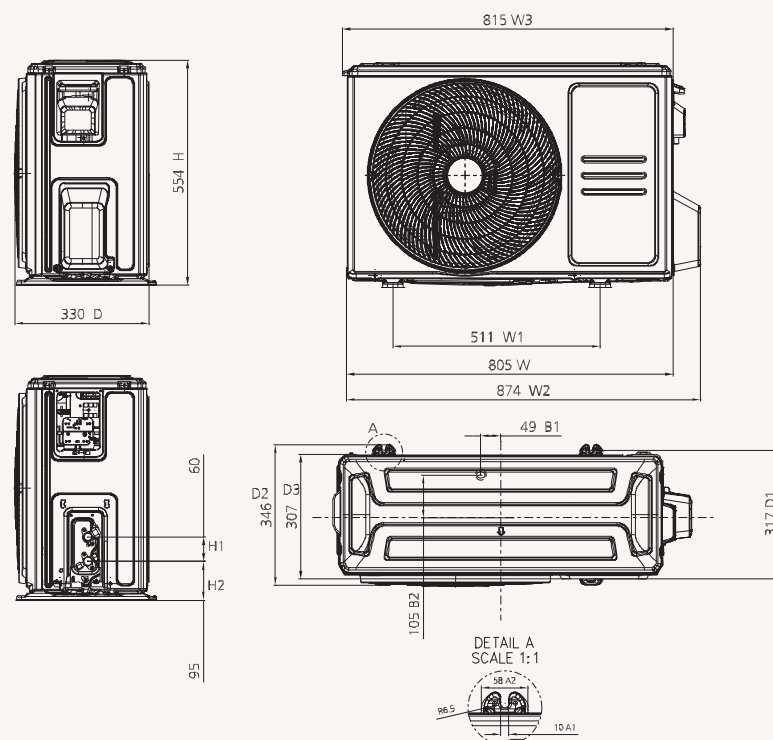
Dimensional drawings

AR35 - Outdoor

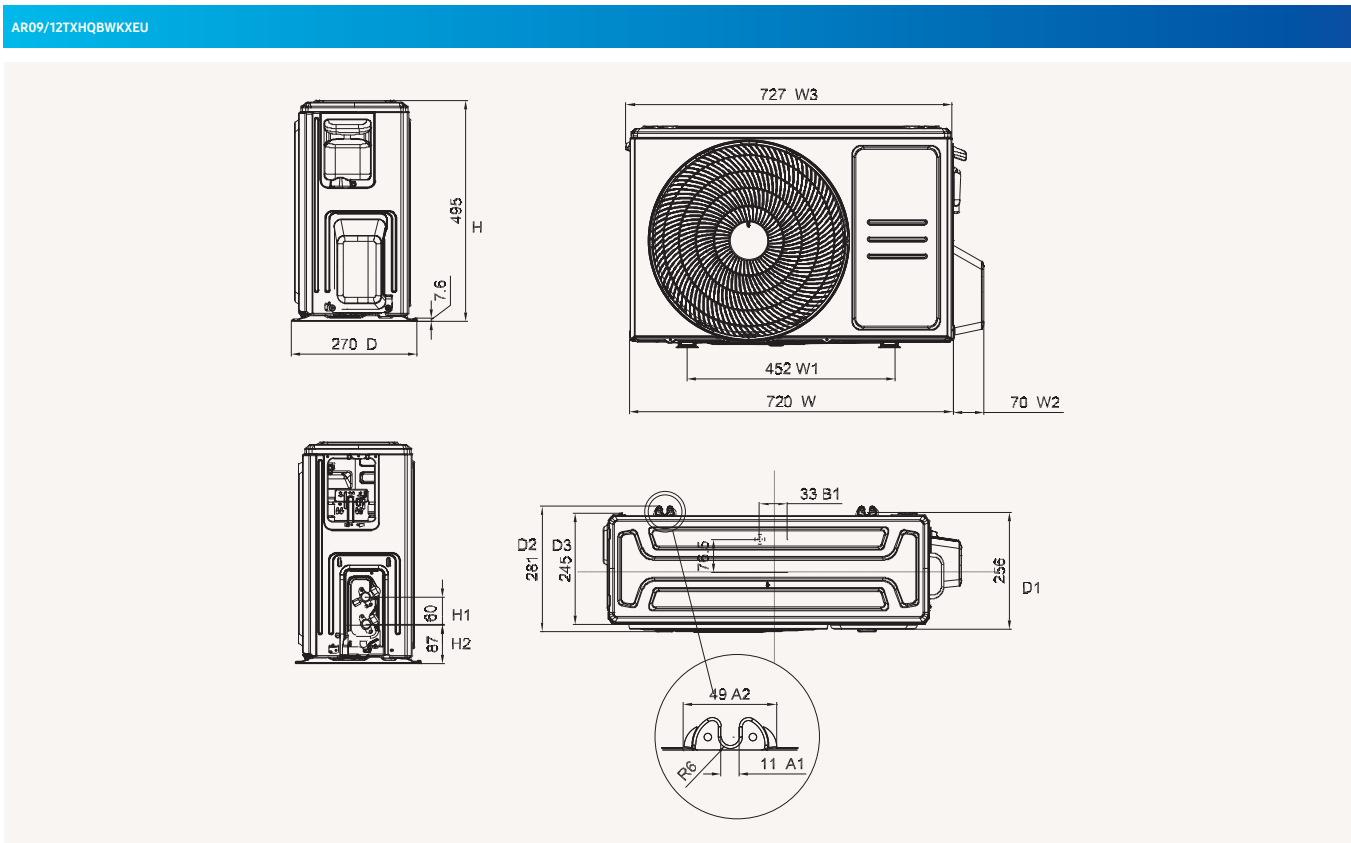
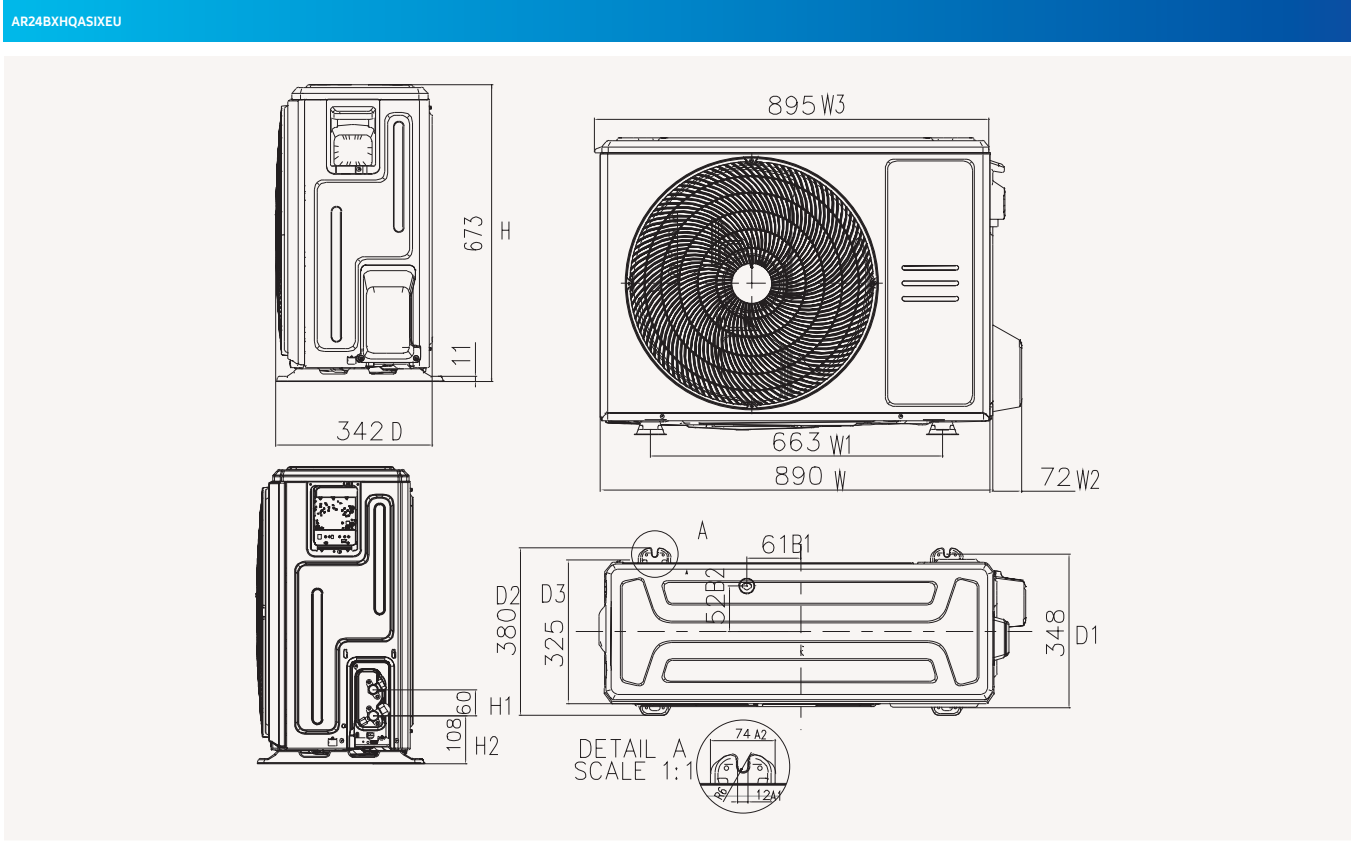
AR09/12TXHQASIXEU



AR18BXHQASIXEU



AR35 and AR30 - Outdoor



Specifications

Nordic WindFree™ Geo R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort and Motion Detect Sensor.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
- Equipped with base heater.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller².
- Heating down to -30°C.



Indoor Unit			AR09TXCACWKNEE	AR12TXCACWKNEE
Outdoor Unit			AR09TXCACWKXEE	AR12TXCACWKXEE
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min-Max)	kW	0.9-3.6	0.9-4.8
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min-Max)	kW	0.8-7.1	0.8-7.3
	Heating @ 0 °C	kW	4.62	5.38
	Heating @ -10 °C	kW	4.10	4.66
	Heating @ -20 °C	kW	3.28	3.57
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	8.8/ A+++	8.5/ A+++
	Consumption	kWh/a	99	144
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP ¹	W/W	5.1/ A+++	5.1/ A+++
	Consumption	kWh/a	631	659
	Pdesignh (average)	kW	2.3	2.4
	COP ¹	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	13.1	13.1
	Outdoor Unit	m³/min	45	45
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit Low/High	dB(A)	17 / 38	17 / 40
	Outdoor Unit High	dB(A)	45	46
Operating Temperature Range	Cooling	°C	-15-46	-15-46
	Heating	°C	-30-24	-30-24
Electrical Data				
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Rotary	Rotary
Power Input	Cooling	W	540	885
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	4.4
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	10.4	10.4
	Outdoor Unit	kg	33	33
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.920	0.920
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.62	0.62
	Additional Refrigerant Charging	g/m	15	15
Piping Connections	Liquid Pipe	ø, inch	1/4"	1/4"
	Gas Pipe	ø, inch	3/8"	3/8"
Piping Length	Min/Max (ODU to IDU)	m	3 / 15	3 / 15
Piping Height	Max	m	8	8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² A MIM-R10N Interface is required to connect the Outdoor Unit (ODU) to the centralized controller.



Indoor Unit		AR09TXCACWKNEE	AR12TXCACWKNEE
Outdoor Unit		AR09TXCACWKXEE	AR12TXCACWKXEE
Functions			
Airflow	WindFree™ Cooling	●	●
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto
	Auto Fan Speed	●	●
Air Purification	Tri-Care Filter	●	●
	Easy Filter Plus	●	●
	Auto Clean (Self Cleaning)	●	●
Operating Mode	AI Auto with Wi-Fi & MDS (direct/Indirect)	●	●
	AI Auto with Wi-Fi	-	-
	Auto Mode (without Wi-Fi)	●	●
	Fast Cool	●	●
	Good Sleep	●	●
	Eco mode	●	●
	Dehumidification	●	●
	Fan	●	●
	Quiet	●	●
	Samsung SmartThings	●	●
	MDS (Motion Detect Sensor)	●	●
Other Functions	Indoor Temperature Display	●	●
	Display On/Off	●	●
	Beep On/Off	●	●
	Auto Changeover	●	●
	Auto Restart	●	●

Accessory



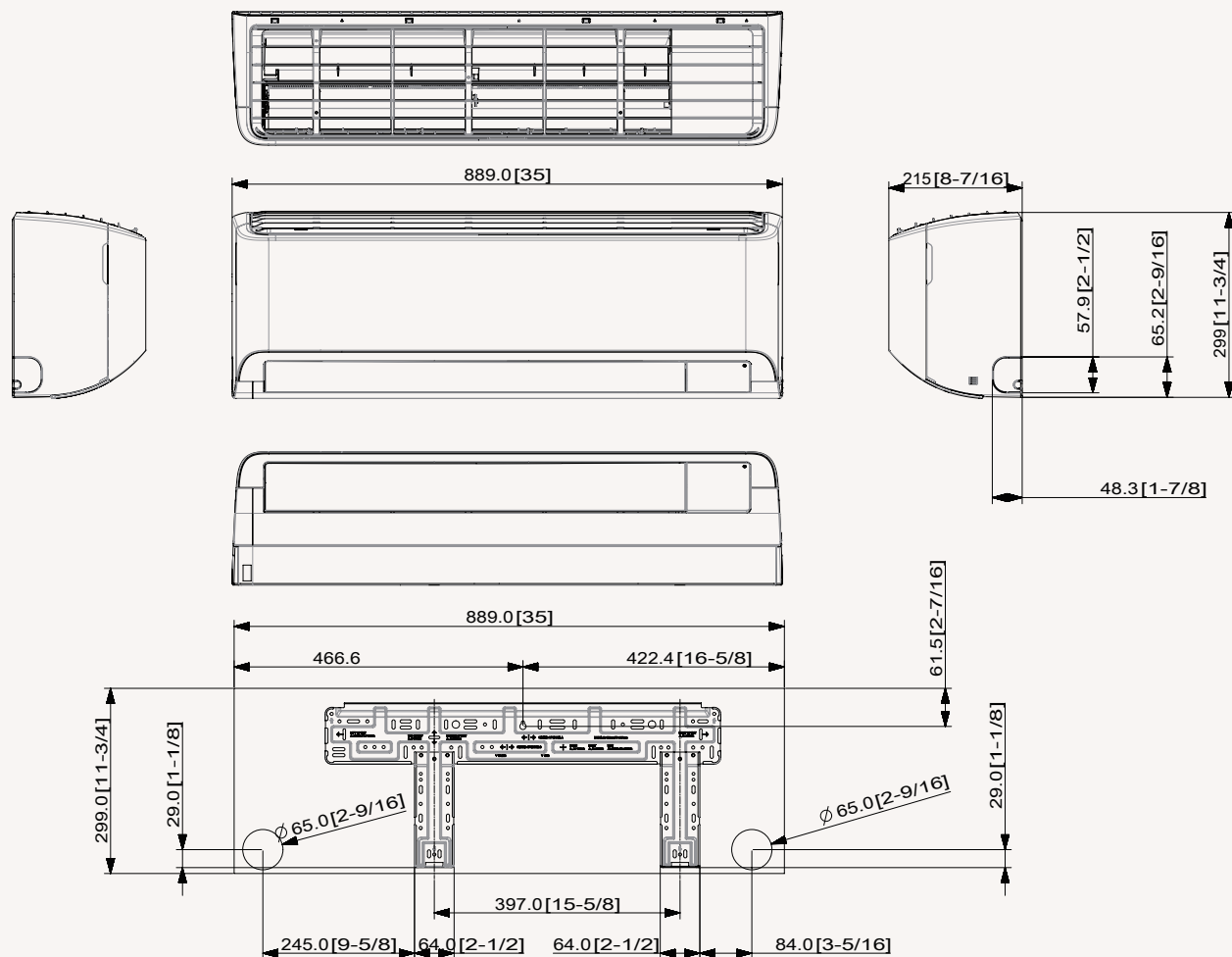
Wireless Remote Controller (included)	Advanced Wired Controller³	Simple Type Controller³	Touch Controller³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

³ MIM-A00N Interface is required for the connection to wired remote controllers.

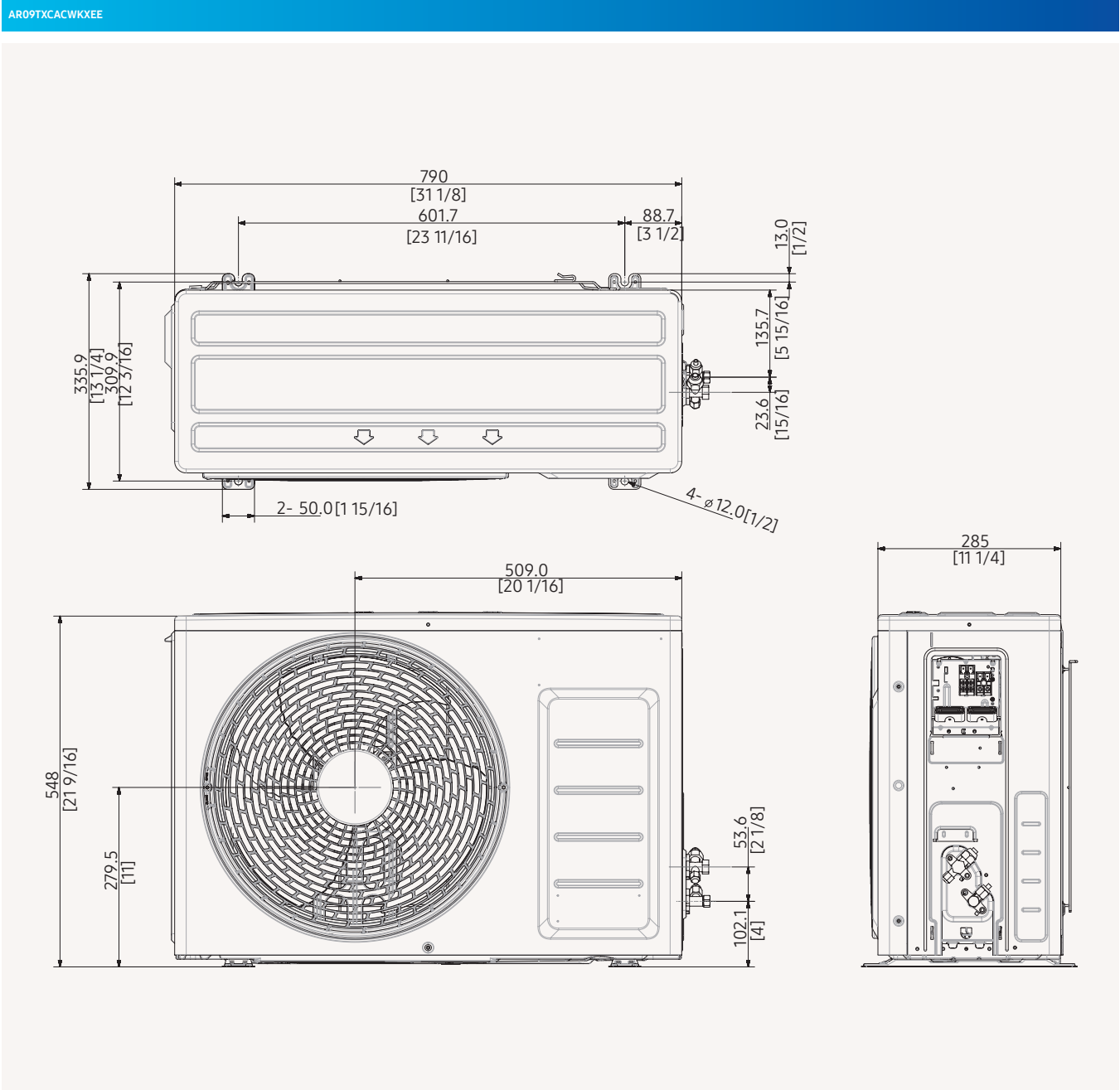
Dimensional drawings

Nordic WindFree™ Geo - Indoor

AR09/12TXCACWKNEE



Nordic WindFree™ Geo - Outdoor



Specifications

Nordic Geo Premium

R32

- Heating down to -30°C.
- Compressor with Digital boost inverter technology.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller.

- AI Auto Comfort.
- Direct drive fan powered by a BLDC motor.
- Equipped with base heater.
- Wi-Fi Smart Control with Bixby Voice Controls and AI Auto Comfort.



Indoor Unit			AR09BXFYDWKNEE	AR12BXFYDWKNEE
Outdoor Unit			AR09BXFYDWKXEE	AR12BXFYDWKXEE
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min-Max)	kW	0.9-3.6	0.9-4.8
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min-Max)	kW	0.8-7.1	0.8-7.3
	Heating @ 0 °C	kW	4.62	5.38
	Heating @ -10 °C	kW	4.10	4.66
	Heating @ -20 °C	kW	3.28	3.57
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	8.8/ A+++	8.5/ A+++
	Consumption	kWh/a	99	144
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP ¹	W/W	5.1/ A+++	5.1/ A+++
	Consumption	kWh/a	631	659
	Pdesignh (average)	kW	2.3	2.4
	COP ¹	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	13.1	13.1
	Outdoor Unit	m³/min	45	45
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit Low/High	dB(A)	17 / 38	17 / 40
	Outdoor Unit High	dB(A)	45	46
Operating Temperature Range	Cooling	°C	-15-46	-15-46
	Heating	°C	-30-24	-30-24
Electrical Data				
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Rotary	Rotary
Power Input	Cooling	W	540	885
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	4.4
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	10.4	10.4
	Outdoor Unit	kg	33	33
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.920	0.920
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.62	0.62
	Additional Refrigerant Charging	g/m	15	15
Piping Connections	Liquid Pipe	ø, inch	1/4"	1/4"
	Gas Pipe	ø, inch	3/8"	3/8"
Piping Length	Min/Max (ODU to IDU)	m	3 / 15	3 / 15
Piping Height	Max	m	8	8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.



Indoor Unit		AR09BXYFDWKNEE	AR12BXYFDWKNEE
Outdoor Unit		AR09BXYFDWKXEE	AR12BXYFDWKXEE
Functions			
Airflow	WindFree™ Cooling	-	-
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto
	Auto Fan Speed	●	●
Air Purification	Tri-Care Filter	-	-
	Easy Filter Plus	●	●
	Auto Clean (Self Cleaning)	●	●
Operating Mode	AI Auto with Wi-Fi & MDS (direct/Indirect)	-	-
	AI Auto with Wi-Fi	●	●
	Auto Mode (without Wi-Fi)	●	●
	Fast Cool	●	●
	Good Sleep	●	●
	Eco mode	●	●
	Dehumidification	●	●
	Fan	●	●
	Quiet	●	●
	Samsung SmartThings	●	●
	MDS (Motion Detect Sensor)	-	-
Other Functions	Indoor Temperature Display	●	●
	Display On/Off	●	●
	Beep On/Off	●	●
	Auto Changeover	●	●
	Auto Restart	●	●

Accessory

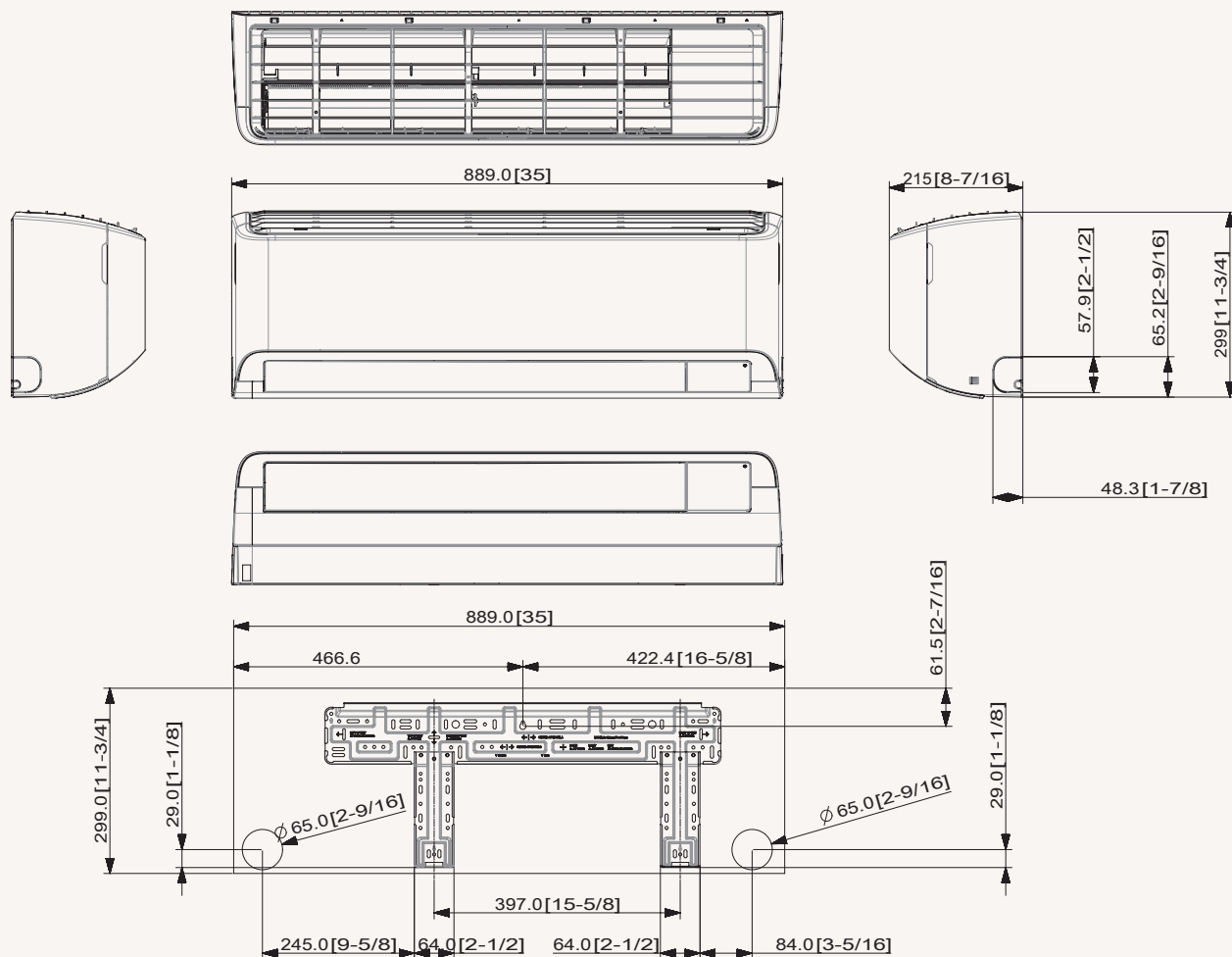


Wireless Remote Controller (included)	Advanced Wired Controller	Simple Type Controller	Touch Controller
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

Dimensional drawings

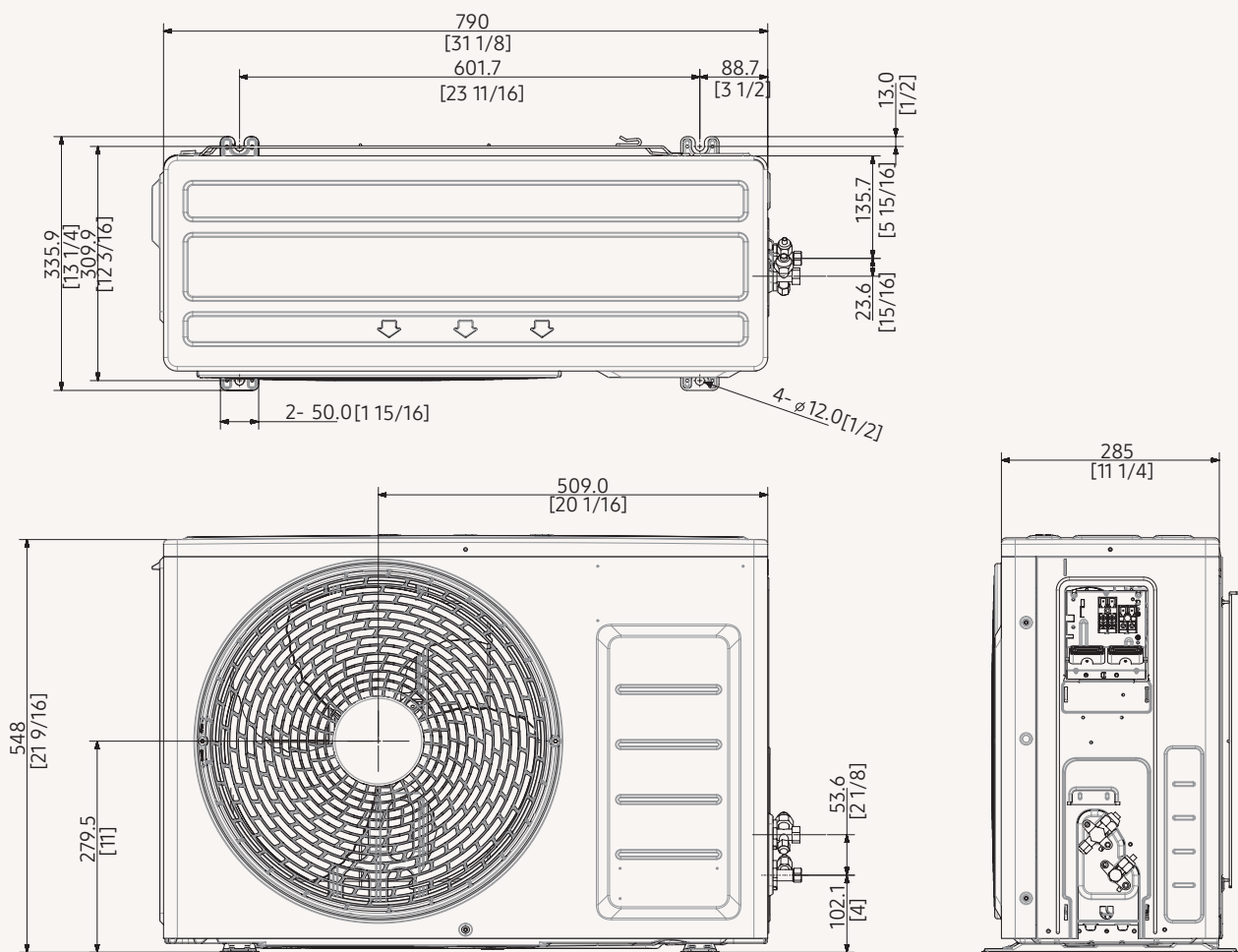
Nordic Geo Premium - Indoor

AR09/12BXFYDWKNEE



Nordic Geo Premium - Outdoor

AR09/12BXFYDWKXEE



Specifications

Nordic Geo R32

- Heating down to -30°C.
- Compressor with Digital boost inverter technology.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller².

- AI Auto Comfort.
- Direct drive fan powered by a BLDC motor.
- Equipped with base heater.
- Wi-Fi Smart Control with Bixby Voice Controls and AI Auto Comfort.



Indoor Unit			AR09TXFYBWKNEE	AR12TXFYBWKNEE
Outdoor Unit			AR09TXFYBWKXEE	AR12TXFYBWKXEE
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min-Max)	kW	0.9-3.5	0.9-4.6
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min-Max)	kW	0.8-7.0	0.8-7.2
	Heating @ 0 °C	kW	4.52	5.28
	Heating @ -10 °C	kW	4.00	4.56
	Heating @ -20 °C	kW	3.19	3.48
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	8.4/ A++	7.7/ A++
	Consumption	kWh/a	104	159
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP ¹	W/W	4.6/ A++	4.6/ A++
	Consumption	kWh/a	700	730
	Pdesignh (average)	kW	2.3	2.4
	COP ¹	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	12.9	12.9
	Outdoor Unit	m³/min	45	45
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit Low/High	dB(A)	18 / 38	18 / 40
	Outdoor Unit High	dB(A)	45	46
Operating Temperature Range	Cooling	°C	-15-46	-15-46
	Heating	°C	-30-24	-30-24
Electrical Data				
Power Source		Φ, V, Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Rotary	Rotary
Power Input	Cooling	W	540	885
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	4.4
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	10.3	10.3
	Outdoor Unit	kg	33	33
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.965	0.965
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.65	0.65
	Additional Refrigerant Charging	g/m	15	15
Piping Connections	Liquid Pipe	ø, inch	1/4"	1/4"
	Gas Pipe	ø, inch	3/8"	3/8"
Piping Length	Min/Max (ODU to IDU)	m	3 / 15	3 / 15
Piping Height	Max	m	8	8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² A MIM-R10N Interface is required to connect the Outdoor Unit (ODU) to the centralized controller.



Indoor Unit		AR09TXFYBWKNEE	AR12TXFYBWKNEE
Outdoor Unit		AR09TXFYBWKXEE	AR12TXFYBWKXEE
Functions			
Airflow	WindFree™ Cooling	-	-
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto
	Auto Fan Speed	●	●
Air Purification	Tri-Care Filter	-	-
	Easy Filter Plus	●	●
	Auto Clean (Self Cleaning)	●	●
Operating Mode	AI Auto with Wi-Fi & MDS (direct/Indirect)	-	-
	AI Auto with Wi-Fi	●	●
	Auto Mode (without Wi-Fi)	●	●
	Fast Cool	●	●
	Good Sleep	●	●
	Eco mode	●	●
	Dehumidification	●	●
	Fan	●	●
	Quiet	●	●
	Samsung SmartThings	●	●
	MDS (Motion Detect Sensor)	-	-
Other Functions	Indoor Temperature Display	●	●
	Display On/Off	●	●
	Beep On/Off	●	●
	Auto Changeover	●	●
	Auto Restart	●	●

Accessory



Wireless Remote Controller (included)	Advanced Wired Controller³	Simple Type Controller³	Touch Controller³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

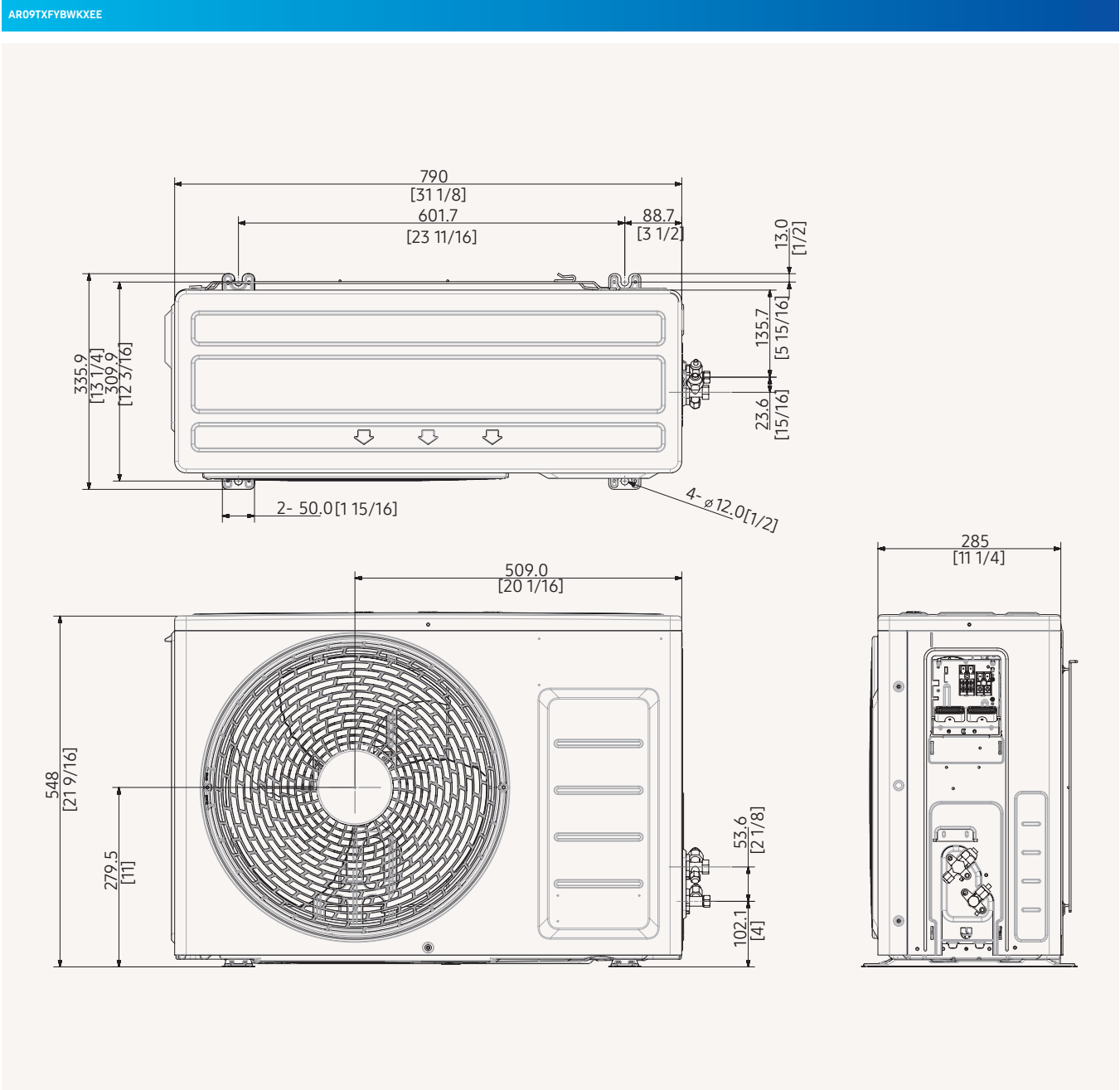
³ MIM-A00N Interface is required for the connection to wired remote controllers.

Single Split

AR09/12TXFYBWKNEE



Nordic Geo - Outdoor



Specifications

Nordic Airise Plus R32

- Heating down to -30°C.
- Two step cooling mode.
- Compressor with Digital boost inverter technology.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller.

- AI Auto Comfort.
- Direct drive fan powered by a BLDC motor.
- Equipped with base heater.
- Wi-Fi Smart Control with Bixy Voice Controls and AI Auto Comfort.



Indoor Unit			AR09BXFZCWKNEE	AR12BXFZCWKNEE
Outdoor Unit			AR09BXFZCWKXEE	AR12BXFZCWKXEE
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min-Max)	kW	0.9-3.5	0.9-4.6
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min-Max)	kW	0.8-7.0	0.8-7.2
	Heating @ 0 °C	kW	4.52	5.28
	Heating @ -10 °C	kW	4.00	4.56
	Heating @ -20 °C	kW	3.19	3.48
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	8.4/ A++	7.7/ A++
	Consumption	kWh/a	104	159
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP ¹	W/W	4.6/ A++	4.6/ A++
	Consumption	kWh/a	700	730
	Pdesignh (average)	kW	2.3	2.4
	COP ¹	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	12.9	12.9
	Outdoor Unit	m³/min	45	45
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit Low/High	dB(A)	18 / 38	18 / 40
	Outdoor Unit High	dB(A)	45	46
Operating Temperature Range	Cooling	°C	-15-46	-15-46
	Heating	°C	-30-24	-30-24
Electrical Data				
Power Source		Φ, V, Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Rotary	Rotary
Power Input	Cooling	W	540	885
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	4.4
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	10.3	10.3
	Outdoor Unit	kg	33	33
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.965	0.965
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.65	0.65
	Additional Refrigerant Charging	g/m	15	15
Piping Connections	Liquid Pipe	ø, inch	1/4"	1/4"
	Gas Pipe	ø, inch	3/8"	3/8"
Piping Length	Min/Max (ODU to IDU)	m	3 / 15	3 / 15
Piping Height	Max	m	8	8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.



Indoor Unit		AR09BXFCWKNEE	AR12BXFCWKNEE
Outdoor Unit		AR09BXFCWKXEE	AR12BXFCWKXEE
Functions			
Airflow	WindFree™ Cooling	-	-
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual
	Auto Fan Speed	●	●
Air Purification	Tri-Care Filter	-	-
	Easy Filter Plus	●	●
	Auto Clean (Self Cleaning)	●	●
Operating Mode	AI Auto with Wi-Fi & MDS (direct/Indirect)	-	-
	AI Auto with Wi-Fi	●	●
	Auto Mode (without Wi-Fi)	●	●
	Fast Cool	●	●
	Good Sleep	●	●
	Eco mode	●	●
	Dehumidification	●	●
	Fan	●	●
	Quiet	●	●
	Samsung SmartThings	●	●
Other Functions	MDS (Motion Detect Sensor)	-	-
	Indoor Temperature Display	●	●
	Display On/Off	●	●
	Beep On/Off	●	●
	Auto Changeover	●	●
	Auto Restart	●	●

Accessory

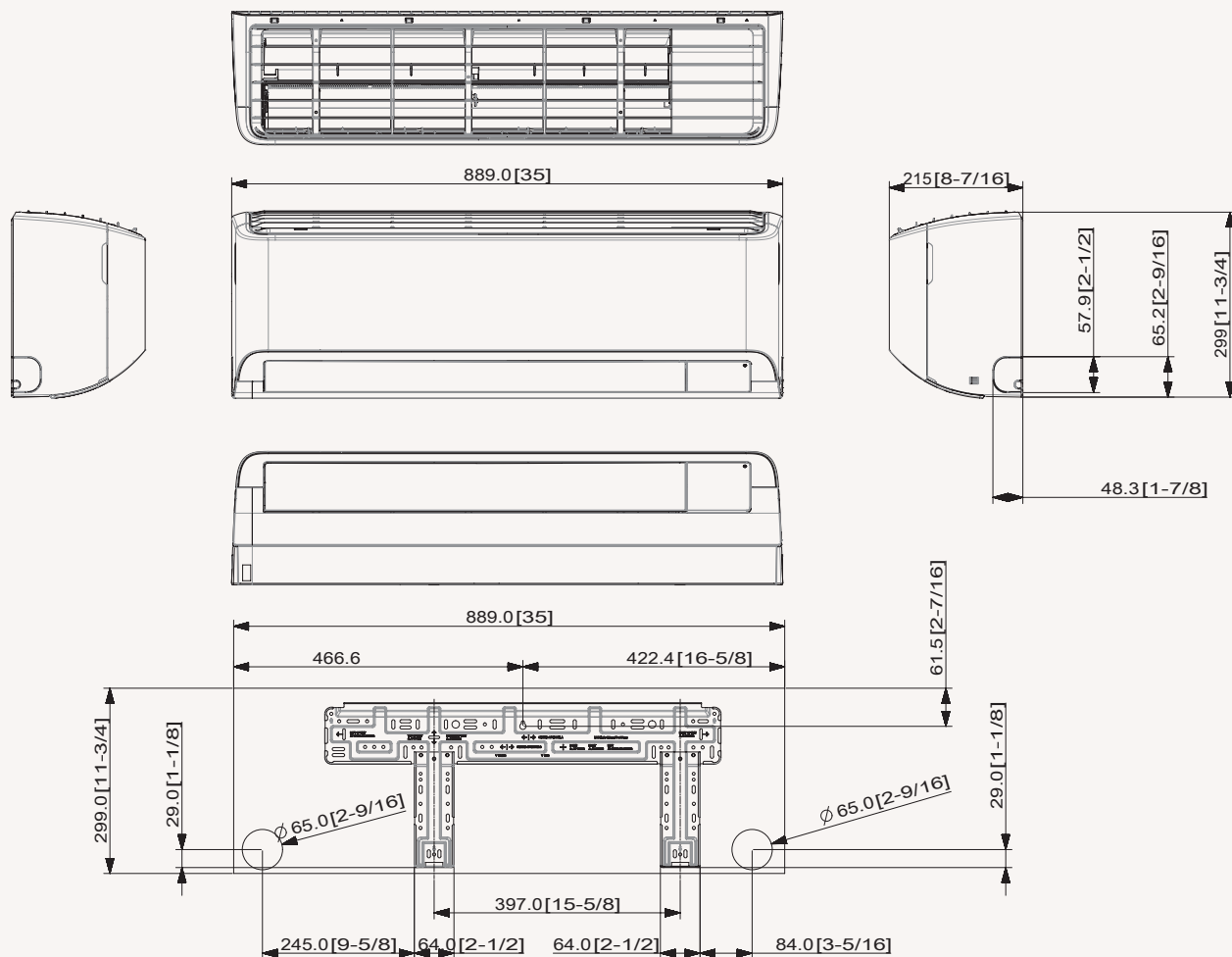


Wireless Remote Controller (included)	Advanced Wired Controller	Simple Type Controller	Touch Controller
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

Dimensional drawings

Nordic Airise Plus - Indoor

AR09/12BXFCWKNEE



Single split

Technical drawings of the outdoor unit showing front, top, and side views with dimensions in mm and inches.

Front View Dimensions:

- Overall Height: 548 [21 9/16]
- Height to Top of Coil: 279.5 [11]
- Overall Width: 509.0 [20 1/16]
- Height to Bottom of Coil: 102.1 [4]
- Height to Top of Service Panel: 53.6 [2 1/8]

Top View Dimensions:

- Overall Width: 790 [31 1/8]
- Width to Center of Coil: 601.7 [23 11/16]
- Width to Edge of Service Panel: 88.7 [3 1/2]
- Overall Depth: 335.9 [13 1/4]
- Depth to Top of Coil: 309.9 [12 3/16]
- Depth to Bottom of Coil: 23.6 [1 5/16]
- Depth to Top of Service Panel: 135.7 [5 15/16]
- Depth to Bottom of Service Panel: 13.0 [1/2]
- Coil Spacing: 2- 50.0 [1 15/16]
- Service Panel Mounting: 4- $\phi 12.0$ [1/2]

Side View Dimensions:

- Overall Depth: 285 [11 1/4]

Specifications

Nordic Airise R32

- Heating down to -30°C.
- Two step cooling mode.
- Compressor with Digital boost inverter technology.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller².
- AI Auto Comfort.
- Direct drive fan powered by a BLDC motor.
- Equipped with base heater.
- Wi-Fi Smart Control with Bixby Voice Controls and AI Auto Comfort.



Indoor Unit			AR09TXFZBWKNKEE	AR12TXFZBWKNKEE
Outdoor Unit			AR09TXFZBWKNKEE	AR12TXFZBWKNKEE
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min-Max)	kW	0.9-3.4	0.9-4.4
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min-Max)	kW	0.8-6.5	0.8-6.8
	Heating @ 0 °C	kW	4.59	5.19
	Heating @ -10 °C	kW	3.88	4.45
	Heating @ -20 °C	kW	2.86	3.26
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	6.0/ A+	6.0/ A+
	Consumption	kWh/a	146	204
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.46	3.80
Energy Efficiency Heating	SCOP ¹	W/W	4.3/ A+	4.3/ A+
	Consumption	kWh/a	749	781
	Pdesignh (average)	kW	2.3	2.4
	COP ¹	W/W	3.95	3.64
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	11.4	11.9
	Outdoor Unit	m³/min	45	45
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit Low/High	dB(A)	19 / 38	19 / 40
	Outdoor Unit High	dB(A)	44	46
Operating Temperature Range	Cooling	°C	-15~46	-15~46
	Heating	°C	-30~24	-30~24
Electrical Data				
Power Source		Φ, V, Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Rotary	Rotary
Power Input	Cooling	W	540	920
	Heating	W	810	1,100
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.9	5.2
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	820 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	9.2	9.2
	Outdoor Unit	kg	33	33
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.965	0.965
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.65	0.65
	Additional Refrigerant Charging	g/m	15	15
Piping Connections	Liquid Pipe	ø, inch	1/4"	1/4"
	Gas Pipe	ø, inch	3/8"	3/8"
Piping Length	Min/Max (ODU to IDU)	m	3 / 15	3 / 15
Piping Height	Max	m	8	8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² A MIM-R10N Interface is required to connect the Outdoor Unit (ODU) to the centralized controller.



Indoor Unit		AR09TXFZBWKNEE	AR12TXFZBWKNEE
Outdoor Unit		AR09TXFZBWKXEE	AR12TXFZBWKXEE
Functions			
Airflow	WindFree™ Cooling	-	-
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual
	Auto Fan Speed	●	●
Air Purification	Tri-Care Filter	-	-
	Easy Filter Plus	●	●
	Auto Clean (Self Cleaning)	●	●
Operating Mode	AI Auto with Wi-Fi & MDS (direct/Indirect)	-	-
	AI Auto with Wi-Fi	●	●
	Auto Mode (without Wi-Fi)	●	●
	Fast Cool	●	●
	Good Sleep	●	●
	Eco mode	●	●
	Dehumidification	●	●
	Fan	●	●
	Quiet	●	●
	Samsung SmartThings	●	●
Other Functions	MDS (Motion Detect Sensor)	-	-
	Indoor Temperature Display	●	●
	Display On/Off	●	●
	Beep On/Off	●	●
	Auto Changeover	●	●
	Auto Restart	●	●

Accessory



Wireless Remote Controller (included)	Advanced Wired Controller³	Simple Type Controller³	Touch Controller³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

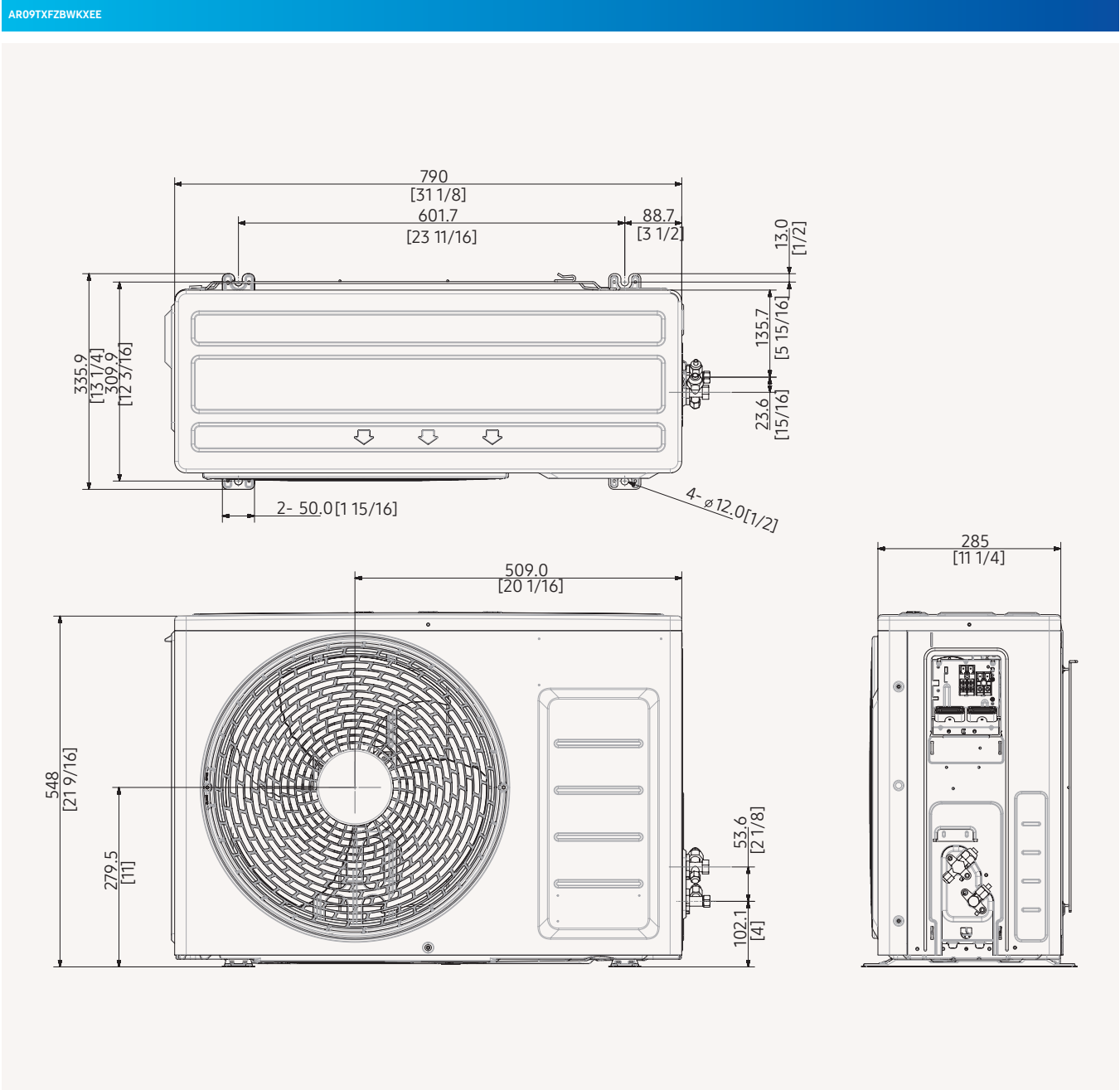
³ MIM-A00N Interface is required for the connection to wired remote controllers.

Single Split

AR09TXFZBWKNEE



Nordic Airise - Outdoor



Multi Split





Line-up

Indoor

Model		1.6 kW	2.0 kW	2.5 kW	3.5 kW	5.2 kW	6.8 kW
WindFree™ Elite		-	•	•	•	-	-
WindFree™ Avant		-	•	•	•	•	•
WindFree™ Comfort		-	•	•	•	•	•
Cebu		-	•	•	•	•	•
Luzon		-	•	•	•	•	•
WindFree™ 1-Way Cassette		-	-	•	•	-	-
WindFree™ 4-Way 600 x 600 Cassette		•	•	•	•	•	-
Console		-	-	•	•	•	-
LSP Slim Duct with Pump		-	-	•	•	-	-
MSP Duct		-	-	-	-	•	-

Outdoor



Model	4.0 kW	5.0 kW	5.2 kW	6.8 kW	8.0 kW	10.0 kW
Maximum number of connectable indoor units	2	2	3	3	4	5



Selection guide

Wall-Mounted



Model		WindFree™ Elite	WindFree™ Avant	WindFree™ Comfort
Airflow	WindFree™ Cooling	●	●	●
	Air Direction Control (Up/Down)	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto
	Air Flow Control Step (Cool/Fan)	5/4	5/4	5/4
	Auto Fan Speed	●	●	●
Air Purification	PM ₁₀ Reduction	●	●	-
	Pre-Filter	-	-	-
	Easy Filter Plus	●	●	●
	Tri-Care Filter	●	●	-
	Anti-Bacteria Coating	●	●	●
	Anti-Virus Coating	●	●	-
	Auto Clean (Self Cleaning)	●	●	●
Functions	Samsung SmartThings	●	●	●
	Smart Operation (AI)	●	●	●
	MDS (Motion Detect Sensor)	●	-	-
	Humidity Sensor	●	●	●
	Filter Cleaning Indication	●	●	●
	Indoor Temperature Display	●	●	●
	Energy Consumption Indication	●	●	●
	Voice Control with Bixby	●	●	●
	Display On/Off 88 Display	●	●	●
	Beep On/Off	●	●	●
	24-Hour Timer / Real Timer	●	●	●
	Auto Changeover	●	●	●
	Auto Restart	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/Indirect)	●	-	-
	AI Auto Comfort with Wi-Fi	●	●	●
	Auto Mode (without Wi-Fi)	-	-	-
	Fast Cooling	●	●	●
	Good Sleep	●	●	●
	Eco	●	●	●
	Dehumidification	●	●	●
	Fan	●	●	●
Triple Protector	Quiet	●	●	●
	Anti-Corrosion Fin	●	●	●
	Compressor Protector	●	●	●
Controls	PBA Protector	●	●	●
	Remote controller included	●	●	●
	Wired Remote Controller	Optional	Optional	Optional
	Centralised controller compatibility	Optional	Optional	Optional
Others	Drain Pump included	-	-	-

Wall-Mounted



Cebu	Luzon
-	-
Auto	Auto
Manual	Manual
5/4	5/4
•	•
-	-
-	-
•	•
-	-
•	•
-	-
•	•
•	Optional
•	-
-	-
-	-
•	•
•	•
•	Optional
•	-
•	•
•	•
•	•
•	•
•	•
-	-
•	-
-	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
Optional	Optional
Optional	Optional
-	-

Selection guide

Cassette



Model		WindFree™ 1-Way Cassette	WindFree™ 4-Way 600 x 600 Cassette
Airflow	WindFree™ Cooling	●	●
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto
	Air Flow Control Step (Cool/Fan)	4/3	4/3
	Auto Fan Speed	●	●
Air Purification	PM10 Filter	-	-
	PM2.5 Filter	-	-
	PM1.0 Filter	-	-
	Pre-Filter	●	●
	Easy Filter Plus	-	-
	Tri-Care Filter	-	-
	Anti-Bacteria Coating	-	-
	Anti-Virus Coating	-	-
	Auto Clean (Self Cleaning)	●	●
Functions	Samsung SmartThings	Optional	Optional
	Smart Operation (AI)	-	-
	MDS (Motion Detect Sensor)	-	Optional
	Humidity Sensor	●	●
	Filter Cleaning Indication	●	●
	Indoor Temperature Display	Controller	Controller
	Energy Consumption Indication	Optional	Optional
	Voice Control with Bixby	Optional	Optional
	Display On/Off 88 Display	-	-
	Beep On/Off	-	-
	24-Hour Timer / Real Timer	-	-
	Auto Changeover	-	-
	Auto Restart	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/Indirect)	-	-
	AI Auto Comfort with Wi-Fi	-	-
	Auto Mode (without Wi-Fi)	●	●
	Fast Cooling	●	●
	Good Sleep	-	-
	Eco	-	-
	Dehumidification	●	●
	Fan	●	●
Triple Protector	Quiet	●	●
	Anti-Corrosion Fin	●	●
	Compressor Protector	●	●
Controls	PBA Protector	●	●
	Remote controller included	Optional	Optional
	Wired Remote Controller	Optional	Optional
	Centralised controller compatibility	Optional	Optional
Others	Drain Pump included	●	●

Duct



Others



MSP Duct	LSP with Drain Pump
-	-
-	-
-	-
3/3	3/3
●	●
-	-
-	-
-	-
●	●
-	-
-	-
-	-
-	-
●	●
Optional	Optional
-	-
-	-
-	-
Controller	Controller
Controller	Controller
Optional	Optional
Optional	Optional
-	-
-	-
-	-
-	-
●	●
-	-
-	-
●	●
-	-
-	-
●	●
●	●
-	-
●	●
●	●
●	●
Optional	Optional
Optional	Optional
Optional	Optional
Optional	●

Console
-
Auto
-
3/3
●
-
●
-
●
-
-
●
●
●
Optional
-
-
-
●
●
Optional
Optional
●
-
-
-
●
-
-
●
●
-
●
●
●
●
●
●
●
●
Optional
Optional
Optional

Nomenclature

Multi Split - Indoor units

AJ 26 T B N D E G EU

1 2 3 4 5 6 7 8

1	Classification	AJ	Multi Split - Free Joint Multi (FJM)
2	Capacity	x1/10 kW (3 digits)	
3	Version	T	2020
		B	2022
4	Product Type	N	Indoor Unit (NASA)
5	Product Notation	N	WindFree™ 4-Way 600 x 600 Cassette
		1	WindFree™ 1-Way Cassette
		M	MSP Duct
		L	Slim Duct
		J	Console
6	Feature	D	Deluxe
		P	Premium
7	Voltage Rating	E	1Φ, 220~240 V, 50 Hz
		K	1Φ, 220~240V, 50/60Hz
8	Mode	G	Heat Pump (R32)

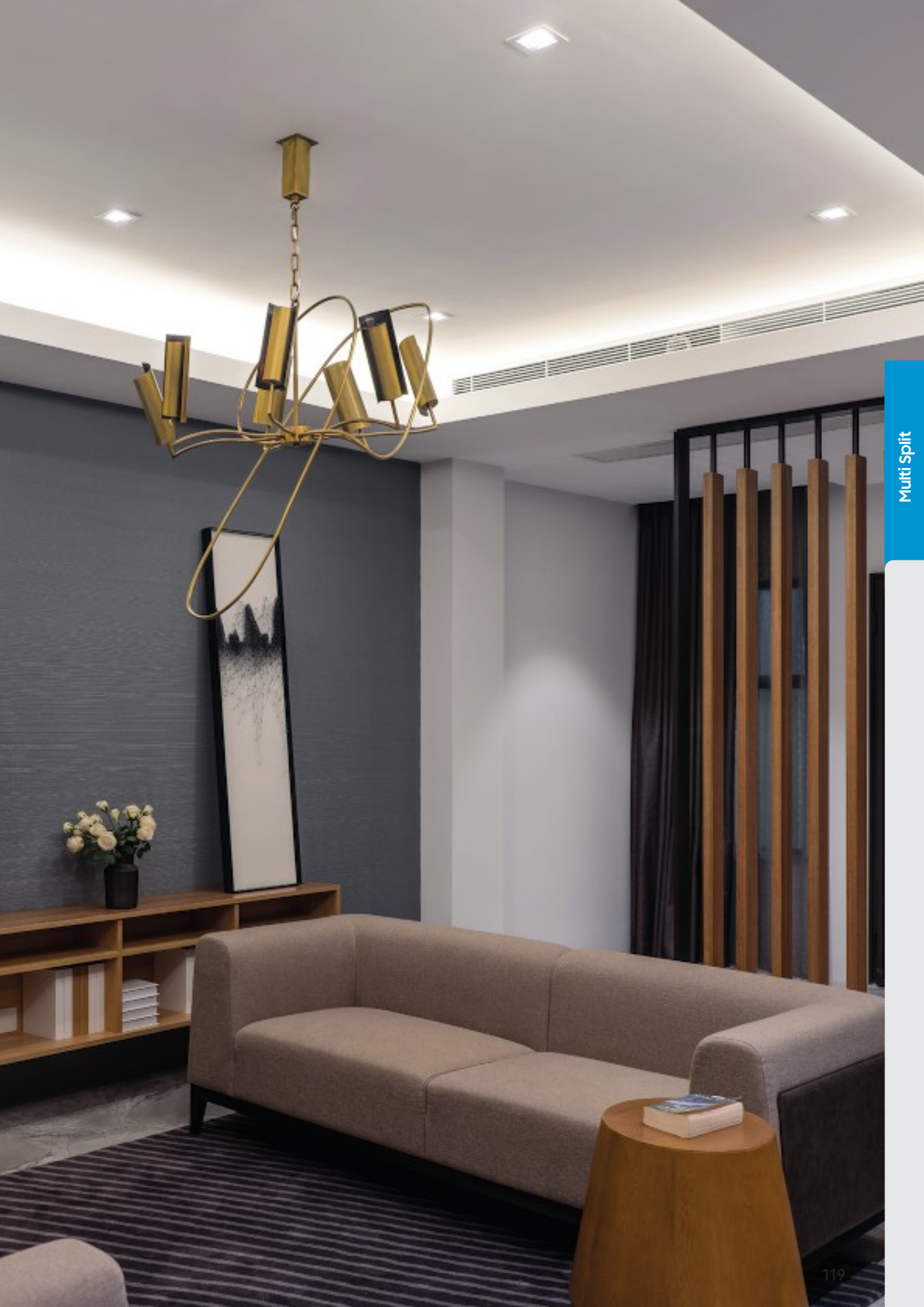
Multi Split - Outdoor units

AJ 52 T X J 3 K G EU

1 2 3 4 5 6 7 8

1	Classification	AJ	Multi Split - Free Joint Multi (FJM)
2	Capacity	x1/10 kW (3 digits)	
3	Version	T	2020
4	Product Type	X	Outdoor Unit (NASA)
5	Product Notation	J	FJM
6	Maximum number of connectable indoor units	2	2 Units
		3	3 Units
		4	4 Units
		5	5 Units
7	Voltage Rating	E	1Φ, 220~240 V, 50 Hz
8	Mode	G	Heat Pump (R32)

Wall-Mounted indoor units for Multi Split follow the same nomenclature as the Residential Wall-Mounted types.



Compatibility guide

Multi Split Wall Mounted Indoor Unit



Model			WindFree™ Elite			WindFree™ Avant					WindFree™ Comfort				
Indoor unit model code			AR09/12CXCAAWKNEU			AR07TXEAAWKNEU/09/12					AR07TXFCAWKNEU/ 09/12/18/24				
Refrigerant type	Outdoor unit model code	Capacity (kW)	2.0	2.5	3.5	2.0	2.5	3.5	5.2	6.8	2.0	2.5	3.5	5.2	6.8
R32	AJ040TXJ2KG/EU	4.0	•	•	•	•	•	•			•	•	•		
	AJ050TXJ2KG/EU	5.0	•	•	•	•	•	•	•		•	•	•	•	
	AJ052TXJ3KG/EU	5.2	•	•	•	•	•	•	•		•	•	•	•	
	AJ068TXJ3KG/EU	6.8	•	•	•	•	•	•	•		•	•	•	•	
	AJ080TXJ4KG/EU	8.0	•	•	•	•	•	•	•	•	•	•	•	•	•
	AJ100TXJ5KG/EU	10.0	•	•	•	•	•	•	•	•	•	•	•	•	•

Other Multi Split Indoor Unit



Model			WindFree™ 4-Way 600 x 600 Cassette					WindFree™ 1-Way		Duct			Console		
Indoor unit model code			AJ016TNNDKG/EU/20/26/35/52					AJ026TN1DKG/EU/35		AJ026TNLPEG/EU/35 AJ052BNMDEG/EU			AJ026TNJDKG/EU/35/52		
Refrigerant type	Outdoor unit model code	Capacity (kW)	1.6	2.0	2.6	3.5	5.2	2.6	3.5	2.6	3.5	5.2	2.6	3.5	5.2
R32	AJ040TXJ2KG/EU	4.0						•	•				•	•	
	AJ050TXJ2KG/EU	5.0	•	•	•	•		•	•	•	•		•	•	•
	AJ052TXJ3KG/EU	5.2	•	•	•	•		•	•	•	•		•	•	•
	AJ068TXJ3KG/EU	6.8	•	•	•	•	•	•	•	•	•	•			
	AJ080TXJ4KG/EU	8.0	•	•	•	•	•	•	•	•	•	•			
	AJ100TXJ5KG/EU	10.0	•	•	•	•	•	•	•	•	•	•			

Multi Split Wall Mounted Indoor Unit



Cebu AR07TXFYAWKNEU/09/12/18/24					Luzon AR07TXHZAWKNEU/09/12/18/24				
2.0	2.5	3.5	5.2	6.8	2.0	2.5	3.5	5.2	6.8
•	•	•			•	•	•		
•	•	•	•		•	•	•	•	
•	•	•	•		•	•	•	•	
•	•	•	•		•	•	•	•	
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•

Specifications

Outdoor units R32

- Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.



Outdoor Unit			AJ040TXJ2KG/EU	AJ050TXJ2KG/EU	AJ052TXJ3KG/EU
Maximum number of connectable indoor units			2	2	3
Capacity					
Capacity	Cooling (Nominal)	kW	4.0	5.0	5.2
	Heating @ +7 °C	kW	4.2	5.6	6.3
	Heating @ -5 °C	kW	3.16	4.22	4.22
	Heating @ -10 °C	kW	2.70	3.60	3.60
	Heating @ -15 °C	kW	2.23	2.98	2.98
Performance					
Energy Efficiency Cooling	SEER ¹	W/W	8.54/ A+++	8.54/ A+++	8.51/ A+++
	Power Consumption	kWh/a	164	205	206
	Pdesignc	kW	4.0	5.0	5.0
	EER	W/W	4.44	4.10	4.16
Energy Efficiency Heating	SCOP ¹	W/W	4.60/ A++	4.64/ A++	3.60/ A
	Power Consumption	kWh/a	922	1,270	1,400
	Pdesignh (average)	kW	3.1	4.2	4.6
	COP ¹	W/W	4.64	4.38	4.77
Airflow Rate		m ³ /min	29.7	33.1	38.0
Sound Power		dB(A)	60	61	61
Sound Pressure	Cooling	dB(A)	45	46	46
	Heating	dB(A)	46	47	48
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Discharge direction		Front (horizontal)	Front (horizontal)	Front (horizontal)
	Power	W	40	40	125
	Number of Fans	-	1	1	1
Operating Temperature Range	Cooling	°C	-5.0~46.0	-5.0~46.0	-10.0~46.0
	Heating	°C	-15~24	-15~24	-15~24
Electrical Data					
Power Source	Φ, V, Hz		1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type			Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power Consumption	Cooling	kW	0.90	1.22	1.25
	Heating	kW	0.90	1.28	1.32
Operating Current	Cooling	A	4.1	5.6	5.5
	Heating	A	4.1	5.9	6.1
Dimensions					
Net Dimensions (W x H x D)	mm		790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
Net Weight	kg		32.0	33.0	44.5
Refrigerant					
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Factory Charging	kg	0.98	1.18	1.55
	Chargeless Piping Length	m	30.0	30.0	30.0
	Charging Ton equivalent CO ₂	tCO ₂ e	0.66	0.80	1.05
	Additional Refrigerant Charging	g/m			
Piping Connections	Liquid Pipe	ø, inch	1/4 x 2	1/4 x 2	1/4 x 3
	Gas Pipe	ø, inch	3/8 x 2	3/8 x 2	3/8 x 2 + 1/2
Piping Length	Total Piping Length	m	30	30	50
	Min/Max	m	3/25	3/25	3/25
Piping Height	Max Height (ID-ID)	m	7.5	7.5	7.5
	Max Height (OD-ID)	m	15	15	15



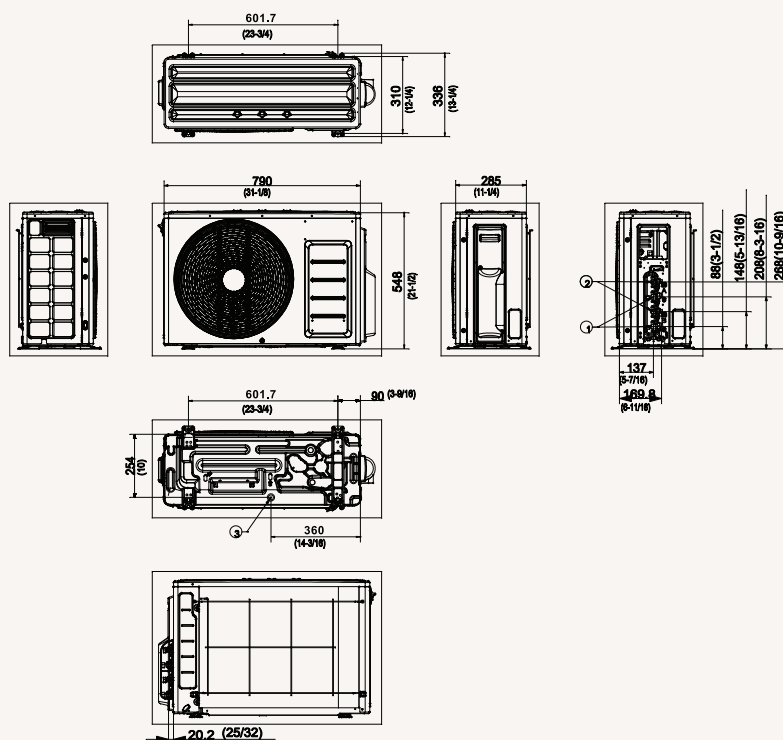
AJ068TXJ3KG/EU	AJ080TXJ4KG/EU	AJ100TXJ5KG/EU
3	4	5
6.8	8.0	10.0
8.0	9.3	12.0
6.02	7.00	9.03
5.14	5.97	7.70
4.25	4.94	6.38
7.75/ A++	7.75/ A++	8.00/ A++
293	330	387
6.5	7.3	8.8
3.78	4.06	3.64
4.32/ A+	4.10/ A+	4.32/ A+
1,833	2,009	2,564
5.7	5.9	7.9
4.42	4.37	4.26
47.5	47.5	75.0
64	64	70
48	48	54
50	50	56
Propeller Fan	Propeller Fan	Propeller Fan
Front (horizontal)	Front (horizontal)	Front (horizontal)
125	125	125
1	1	1
-10.0~46.0	-10.0~46.0	-10.0~46.0
-15~24	-15~24	-15~24
1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
1.80	1.97	2.75
1.81	2.13	2.82
8.1	8.9	12.2
8.2	9.5	12.8
880 x 798 x 310	880 x 798 x 310	940 x 998 x 330
57.5	57.5	76.5
R32 (contains fluorinated greenhouse gases. GWP = 675)		
2.00	2.00	2.70
30.0	40.0	40.0
1.35	1.35	1.82
10	10	10
1/4 x 3	1/4 x 4	1/4 x 5
3/8 + 1/2 x 2	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 3
50	70	75
3/25	3/25	3/25
7.5	7.5	7.5
15	15	15

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++. However the SEER, SCOP and energy rating depends on the combination of Indoor Unit which is used with the outdoor unit. It may vary with the different indoor unit.

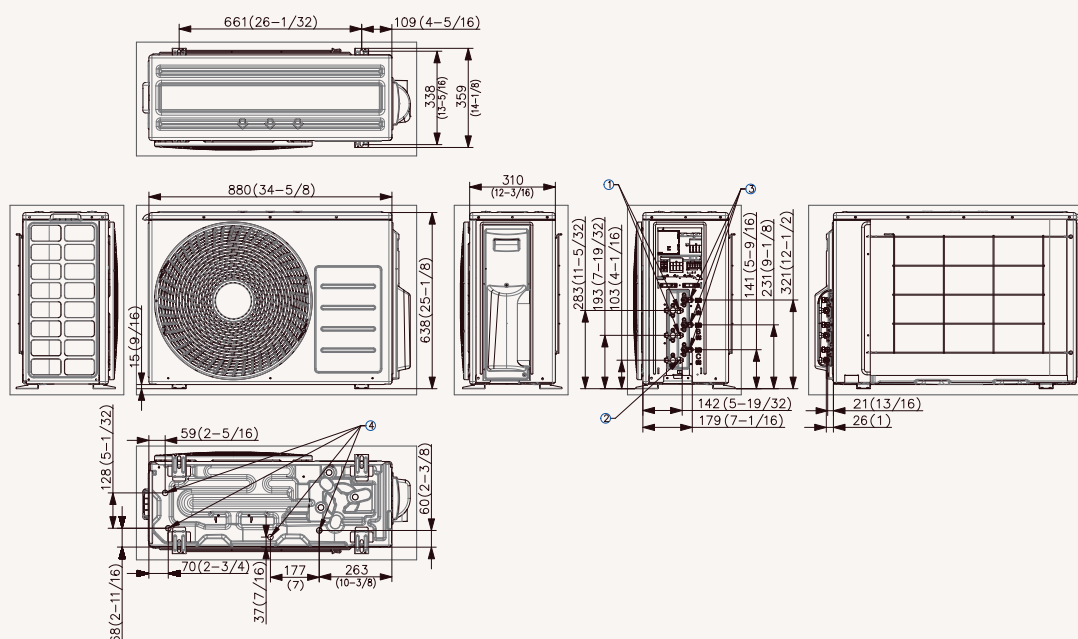
Dimensional drawings

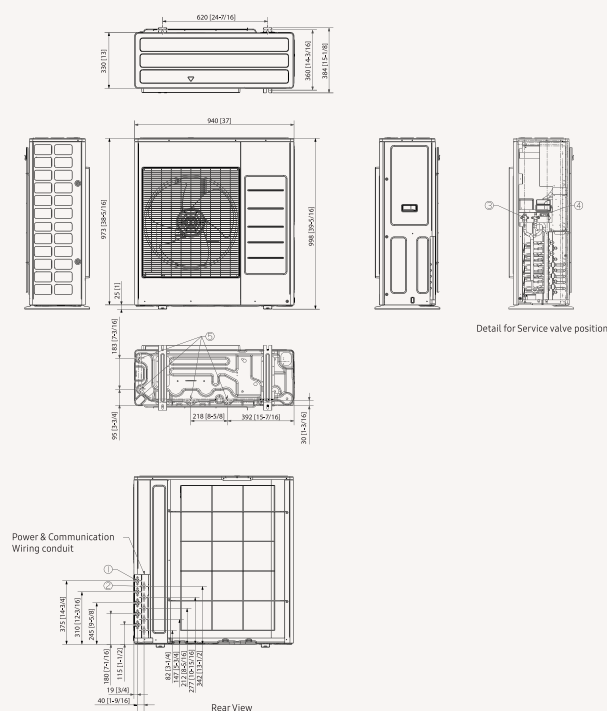
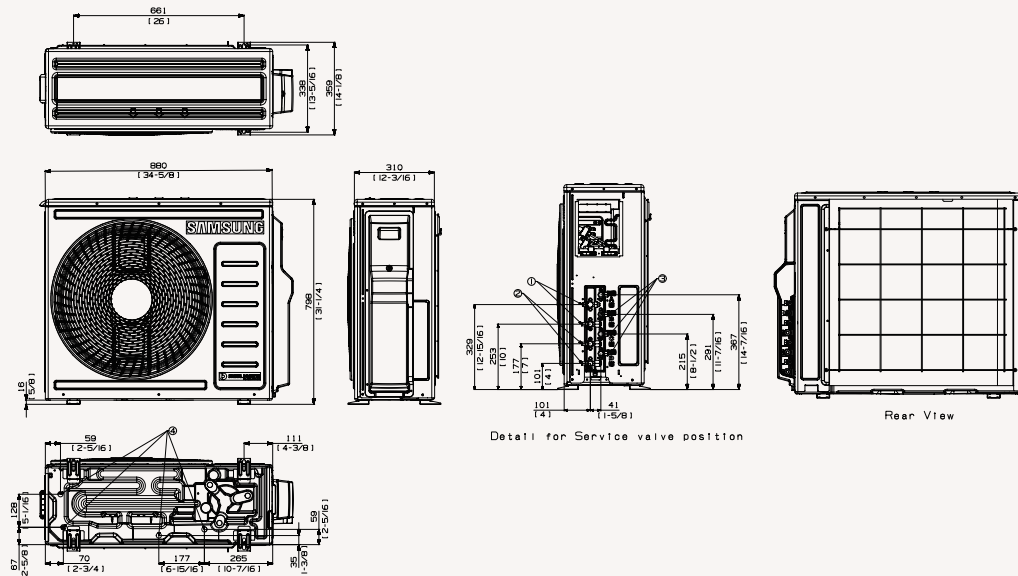
Outdoor units

AJ040/50TXJ2KG/EU



AJ052TXJ3KG/EU





Specifications

WindFree™ Elite R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort and Motion Detect Sensor.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller included.



Indoor Unit			AR07CXCAAWKNEU	AR09CXCAAWKNEU	AR12CXCAAWKNEU
Capacity					
Capacity	Cooling	kW	2.0	2.5	3.5
	Heating @ +7 °C	kW	2.2	3.2	4.0
Performance					
Airflow Rate		m³/min	10.7	11.1	12.1
Sound Power	Cooling	dB(A)	56	56	58
Sound Pressure	H/L	dB(A)	37/19	39/16	40/16
Electrical Data					
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	40	40	40
	Heating	W	40	40	40
Current Input	Cooling	A	0.4	0.4	0.4
	Heating	A	0.4	0.4	0.4
Dimensions					
Net Dimensions (W x H x D)		mm	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215
Net Weight		kg	10.3	10.3	10.3
Refrigerant					
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16



Indoor Unit		AR07CXCAAWKNEU	AR09CXCAAWKNEU	AR12CXCAAWKNEU
Functions				
Airflow	WindFree™ Cooling	●	●	●
	Air Direction Control (Up/Down)	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto
	Auto Fan Speed	●	●	●
Air Purification	Tri-Care Filter	●	●	●
	Easy Filter Plus	●	●	●
	Auto Clean (Self-Cleaning)	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)	●	●	●
	AI Auto Comfort with Wi-Fi	●	●	●
	Auto Mode (without Wi-Fi)			
	Fast Cooling	●	●	●
	Good Sleep	●	●	●
	Eco	●	●	●
	Dehumidification	●	●	●
	Fan	●	●	●
	Quiet	●	●	●
Other Functions	Samsung SmartThings	●	●	●
	MDS (Motion Detect Sensor)	●	●	●
	Indoor Temperature Display 88 Display	●	●	●
	Display On/Off	●	●	●
	Beep On/Off	●	●	●
	Auto Changeover	●	●	●
	Auto Restart	●	●	●

Accessory



Wireless SolarCell Remote Controller (included)	Advanced Wired Controller ¹	Simple Type Controller ¹	Touch Controller ¹
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

¹ MIM-A00N Interface is required for the connection to wired remote controllers.

WindFree™ Elite

Multi Split





Specifications

WindFree™ Avant R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compatible with wired remote controller and with centralized controller.



Indoor Unit			AR07TXEAAWKNEU	AR09TXEAAWKNEU	AR12TXEAAWKNEU	AR18TXEAAWKNEU
Capacity						
Capacity	Cooling	kW	2.0	2.5	3.5	5.0
	Heating @ +7 °C	kW	2.2	3.2	4.0	6.0
Performance						
Airflow Rate		m³/min	10.7	9.5	10.5	15.7
Sound Power	Cooling	dB(A)	56	57	57	58
Sound Pressure	H/L	dB(A)	37/19	38/19	40/19	41/25
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	40	40	40	40
	Heating	W	40	40	40	40
Current Input	Cooling	A	0.4	0.4	0.4	0.4
	Heating	A	0.4	0.4	0.4	7.8
Dimensions						
Net Dimensions (W x H x D)		mm	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	9.4	9.4	9.4	13.2
Refrigerant						
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16
Functions						
Airflow	WindFree™ Cooling		●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto
	Auto Fan Speed		●	●	●	●
Air Purification	Tri-Care Filter		●	●	●	●
	Easy Filter Plus		●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)					
	AI Auto Comfort with Wi-Fi		●	●	●	●
	Auto Mode (without Wi-Fi)					
	Fast Cooling		●	●	●	●
	Good Sleep		●	●	●	●
	Eco		●	●	●	●
	Dehumidification		●	●	●	●
	Fan		●	●	●	●
Other Functions	Quiet		●	●	●	●
	Samsung SmartThings		●	●	●	●
	MDS (Motion Detect Sensor)					
	Indoor Temperature Display	88 Display	●	●	●	●
	Display On/Off		●	●	●	●
	Beep On/Off		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●



AR24TXEAAWKNEU
6.5
7.4
17.6
62
45/26
1Φ, 220~240 V, 50 Hz
50
50
0.5
0.5
1,055 x 299 x 215
13.4
1/4
5/8
ID 16
●
Auto
Auto
●
●
●
●
●
●
●
●
●
●
●
●
●
●
●
●
●

Accessory			
Wireless Remote Controller (included)	Advanced Wired Controller ¹	Simple Type Controller ¹	Touch Controller ¹
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

¹ MIM-A00N Interface is required for the connection to wired remote controllers.

WindFree™ Avant

Multi Split





Specifications

WindFree™ Comfort R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compatible with wired remote controller and with centralized controller.



Indoor Unit			AR07TXFCW/KNEU	AR09TXFCW/KNEU	AR12TXFCW/KNEU	AR18TXFCW/KNEU
Capacity						
Capacity	Cooling	kW	2.0	2.5	3.5	5.0
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0
Performance						
Airflow Rate		m³/min	9.9	10.3	10.7	16.6
Sound Power	Cooling	dB(A)	54	54	56	58
Sound Pressure	H/L	dB(A)	36/19	37/19	38/19	41/25
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	30	30	30	40
	Heating	W	30	30	30	40
Current Input	Cooling	A	0.3	0.3	0.3	0.4
	Heating	A	0.3	0.3	0.3	0.4
Dimensions						
Net Dimensions (W x H x D)		mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	8.9	8.9	8.9	12.2
Refrigerant						
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16
Functions						
Airflow	WindFree™ Cooling		●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto
	Auto Fan Speed		●	●	●	●
Air Purification	Tri-Care Filter					
	Easy Filter Plus		●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)					
	AI Auto Comfort with Wi-Fi		●	●	●	●
	Auto Mode (without Wi-Fi)					
	Fast Cooling		●	●	●	●
	Good Sleep		●	●	●	●
	Eco		●	●	●	●
	Dehumidification		●	●	●	●
	Fan		●	●	●	●
	Quiet		●	●	●	●
Other Functions	Samsung SmartThings		●	●	●	●
	MDS (Motion Detect Sensor)					
	Indoor Temperature Display	88 Display	●	●	●	●
	Display On/Off		●	●	●	●
	Beep On/Off		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●



AR24TXFCWKNEU
6.5
7.4
18.6
62
45/26
1Φ, 220~240 V, 50 Hz
50
50
0.5
0.5
1,055 x 299 x 215
12.2
1/4
5/8
ID 16
●
Auto
Auto
●
●
●
●
●
●
●
●
●
●
●
●
●
●
●
●

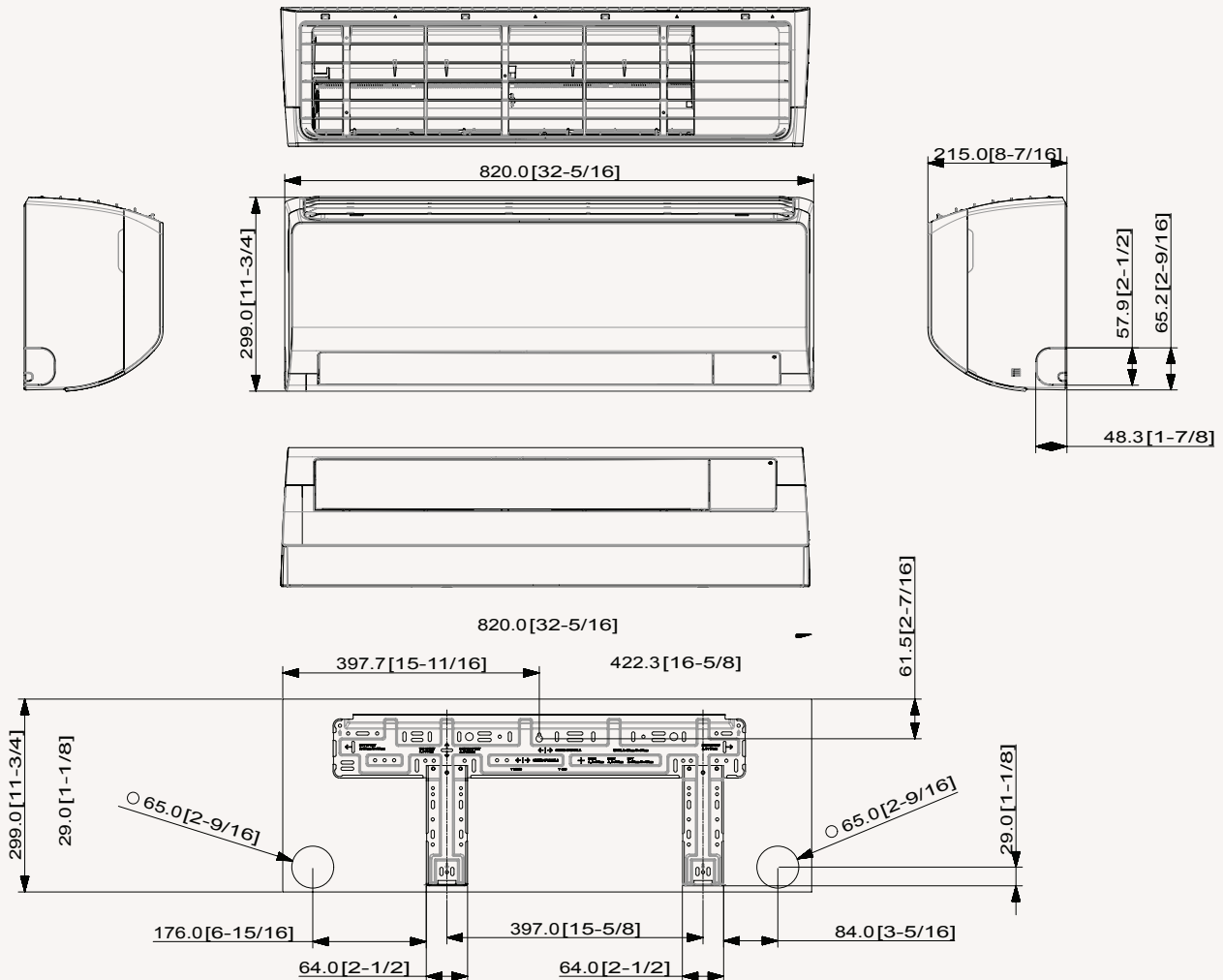
Accessory			
Wireless Remote Controller (included)	Advanced Wired Controller ¹	Simple Type Controller ¹	Touch Controller ¹
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

¹ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

WindFree™ Comfort

AR07/09/12TXFCAWKNEU





Specifications

Cebu R32

- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.

- Compatible with wired remote controller and with centralized controller.



Indoor Unit			AR07TXFYAWKNEU	AR09TXFYAWKNEU	AR12TXFYAWKNEU	AR18TXFYAWKNEU
Capacity						
Capacity	Cooling	kW	2.0	2.5	3.5	5.0
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0
Performance						
Airflow Rate		m³/min	9.9	10.5	10.9	16.5
Sound Power	Cooling	dB(A)	54	54	56	58
Sound Pressure	H/L	dB(A)	36/19	37/19	38/19	41/25
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	30	30	30	40
	Heating	W	30	30	30	40
Current Input	Cooling	A	0.3	0.3	0.3	0.4
	Heating	A	0.3	0.3	0.3	0.4
Dimensions						
Net Dimensions (W x H x D)		mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	8.9	8.9	8.9	12.2
Refrigerant						
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16
Functions						
Airflow	WindFree™ Cooling					
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	Manual	Manual	Manual
	Auto Fan Speed		●	●	●	●
Air Purification	Tri-Care Filter					
	Easy Filter Plus		●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)					
	AI Auto Comfort with Wi-Fi		●	●	●	●
	Auto Mode (without Wi-Fi)					
	Fast Cooling		●	●	●	●
	Good Sleep		●	●	●	●
	Eco		●	●	●	●
	Dehumidification		●	●	●	●
	Fan		●	●	●	●
	Quiet		●	●	●	●
	Other Functions					
Other Functions	Samsung SmartThings		●	●	●	●
	MDS (Motion Detect Sensor)					
	Indoor Temperature Display	88 Display	●	●	●	●
	Display On/Off		●	●	●	●
	Beep On/Off		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●



AR24TXFYAWKNEU
6.5
7.4
18.4
62
45/26
1Φ, 220~240 V, 50 Hz
50
50
0.5
0.5
1,055 x 299 x 215
12.2
1/4
5/8
ID 16
Auto
Manual
●
●
●
●
●
●
●
●
●
●
●
●
●
●
●
●

Accessory			
			
Wireless Remote Controller (included)	Advanced Wired Controller ¹	Simple Type Controller ¹	Touch Controller ¹
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

¹ MIM-A00N Interface is required for the connection to wired remote controllers.

Cebu

Multi Split





Specifications

Luzon R32

- Easy Filter Plus with filter cleaning indicator.
- Eco Mode and Quiet Mode.

- Compatible with wired remote controller and with centralized controller.



Indoor Unit			AR07TXHZAWKNEU	AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU
Capacity						
Capacity	Cooling	kW	2.0	2.5	3.5	5.0
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0
Performance						
Airflow Rate		m³/min	9.9	10.5	10.9	16.5
Sound Power	Cooling	dB(A)	54	54	56	58
Sound Pressure	H/L	dB(A)	36/19	37/19	38/19	41/25
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	30	30	30	40
	Heating	W	30	30	30	40
Current Input	Cooling	A	0.3	0.3	0.3	0.4
	Heating	A	0.3	0.3	0.3	0.4
Dimensions						
Net Dimensions (W x H x D)		mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	8.9	8.9	8.9	12.2
Refrigerant						
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16
Functions						
Airflow	WindFree™ Cooling					
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	Manual	Manual	Manual
	Auto Fan Speed		●	●	●	●
Air Purification	Tri-Care Filter		-	-	-	-
	Easy Filter Plus		●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)		-	-	-	-
	AI Auto Comfort with Wi-Fi		-	-	-	-
	Auto Mode (without Wi-Fi)		●	●	●	●
	Fast Cooling		●	●	●	●
	Good Sleep		●	●	●	●
	Eco		●	●	●	●
	Dehumidification		●	●	●	●
	Fan		●	●	●	●
	Quiet		●	●	●	●
	Other Functions					
Other Functions	Samsung SmartThings		-	-	-	-
	MDS (Motion Detect Sensor)		-	-	-	-
	Indoor Temperature Display	8.8 Display	●	●	●	●
	Display On/Off		●	●	●	●
	Beep On/Off		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●



AR24TXHZAWKNEU	
6.5	
7.4	
18.4	
62	
45/26	
1Φ, 220~240 V, 50 Hz	
50	
50	
0.5	
0.5	
1,055 x 299 x 215	
12.2	
1/4	
5/8	
ID 16	
Auto	
Manual	
●	
-	
●	
●	
-	
-	
●	
●	
●	
●	
●	
●	
●	
-	
-	
●	
●	
●	
●	
●	

Accessory

			
Wireless Remote Controller (included)	Advanced Wired Controller¹	Simple Type Controller¹	Touch Controller¹
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N
			
Wi-Fi Kit			
MIM-H04EN			

¹ MIM-A00N Interface is required for the connection to wired remote controllers.

Luzon

Multi Split





Specifications

WindFree™ 4-Way 600 x 600 Cassette R32

- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 32° and 75°; blade width 66 mm.

- Built-in humidity sensor.
- Built-in condensation drain pump (750 mmH₂O).



Indoor Unit			AJ016TNNDKG/EU	AJ020TNNDKG/EU	AJ026TNNDKG/EU	AJ035TNNDKG/EU	AJ052TNNDKG/EU
Capacity							
	Cooling	kW	1.6	2.0	2.6	3.5	5.2
	Heating @ +7 °C	kW	2.0	2.2	2.9	3.8	5.6
Performance							
Airflow Rate		m ³ /min	9.0/8.2/6.9	9.0/8.2/6.9	9.0/8.2/6.9	10.5/9.0/7.4	10.5/9.0/7.4
Sound Power	Cooling	dB(A)	49	49	49	53	55
Sound Pressure	H/M/L	dB(A)	33/29/24	33/29/24	33/29/24	35/31/27	39/36/32
Electrical Data							
Power Source		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
Power Consumption	Cooling	W	19	19	19	22	28
	Heating	W	19	19	19	22	28
Current Input	Cooling	A	0.51	0.51	0.51	0.52	0.53
	Heating	A	0.51	0.51	0.51	0.52	0.53
Dimensions							
Net Dimensions (W x H x D)		mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Net Weight		kg	11.5	11.5	11.5	11.5	11.8
Refrigerant							
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, 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)
Others							
Panel	Model Code		PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Net Dimensions (W x H x D)	mm	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Net Weight	kg	2.7	2.7	2.7	2.7	2.7
Accessories	Drain Pump		Included	Included	Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24	750/24

Accessories

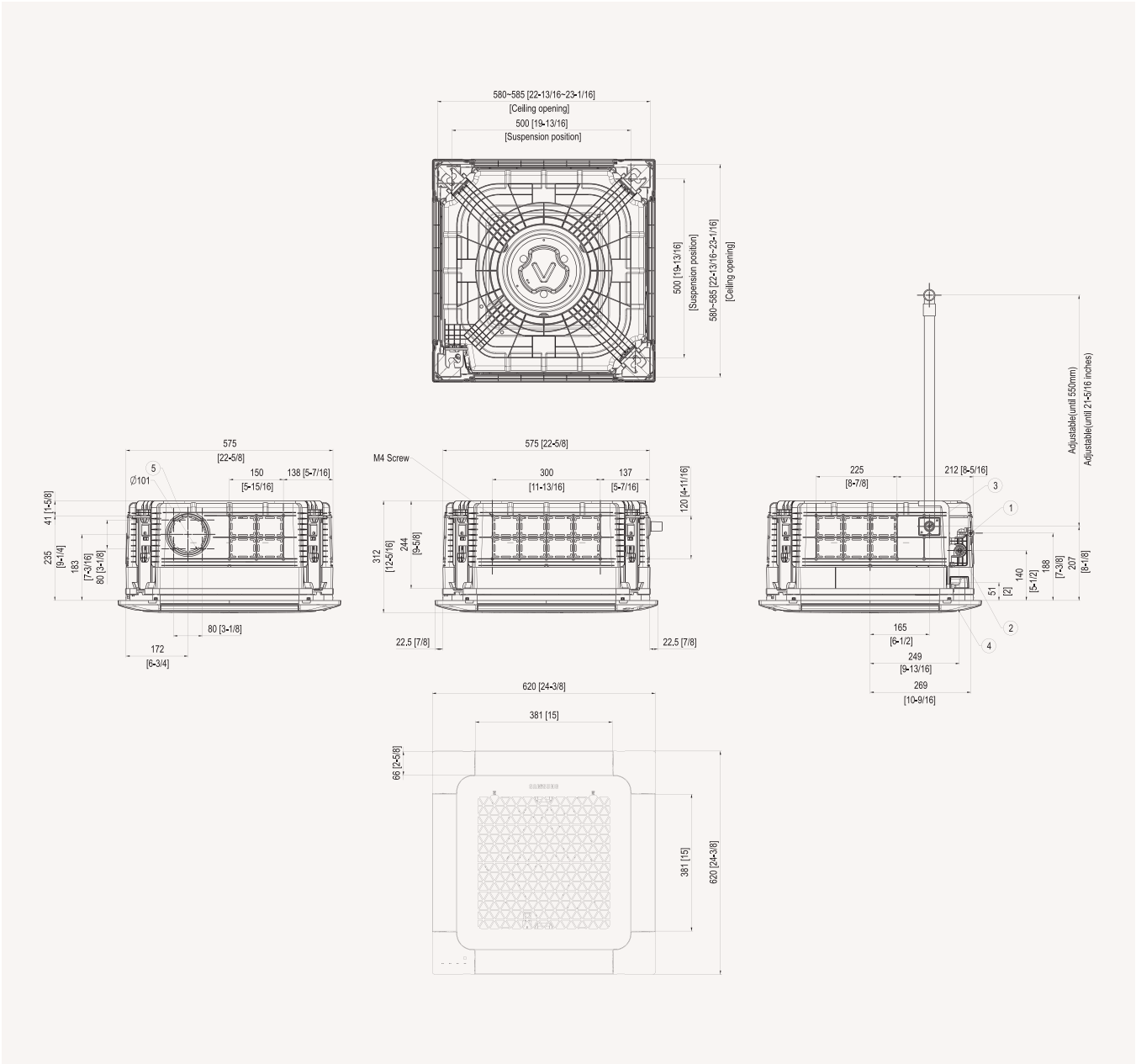


Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Panel (Required)	Motion Detect Sensor
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	PC4SUFMAN	MCR-SMD

Dimensional drawings

WindFree™ 4-Way 600 x 600 Cassette

AJ016/020/026/035/052TNNDKG/EU



NO	Name	Description				
		4.5 kW	5.6 kW	7.1 kW	9.0 kW	5.2 kW
1	Liquid pipe connection	ø6.35 (1/4)				
2	Gas pipe connection	Ø9.52 (3/8)				
3	Drain pipe connection	VP25 (OD 32, ID 25)				
4	Power supply/communication wiring conduits					
5	Fresh air intake knock-out hole	ø101 (4), use M4 Screw				

Specifications

WindFree™ 1-Way Cassette



- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Blade angle between 37° and 87°, blade width 100 mm.
- Built-in humidity sensor.

- Height of only 135 mm.
- Built-in condensation drain pump (750 mmH₂O).



Indoor Unit			AJ026TN1DKG/EU	AJ035TN1DKG/EU
Capacity				
	Cooling	kW	2.6	3.5
	Heating @ +7 °C	kW	2.9	3.8
Performance				
Airflow Rate		m³/min	6.2/5.2/4.2	7.6/6.6/5.6
Sound Power	Cooling	dB(A)	50	55
Sound Pressure	H/M/L	dB(A)	32/29/26	37/33/30
Electrical Data				
Power Source		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
Power Consumption	Cooling	W	45	50
	Heating	W	45	50
Current Input	Cooling	A	0.23	0.25
	Heating	A	0.23	0.25
Dimensions				
Net Dimensions (W x H x D)		mm	970 x 135 x 410	970 x 135 x 410
Net Weight		kg	10.0	10.0
Refrigerant				
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8
Piping Connections	Drain Pipe	ø, mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)
Others				
Panel	Model Code		PC1NWFMAN	PC1NWFMAN
	Net Dimensions (W x H x D)	mm	1,198 x 135 x 500	1,198 x 135 x 500
	Net Weight	kg	4.3	4.3
Accessories	Drain Pump		Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24

Accessories

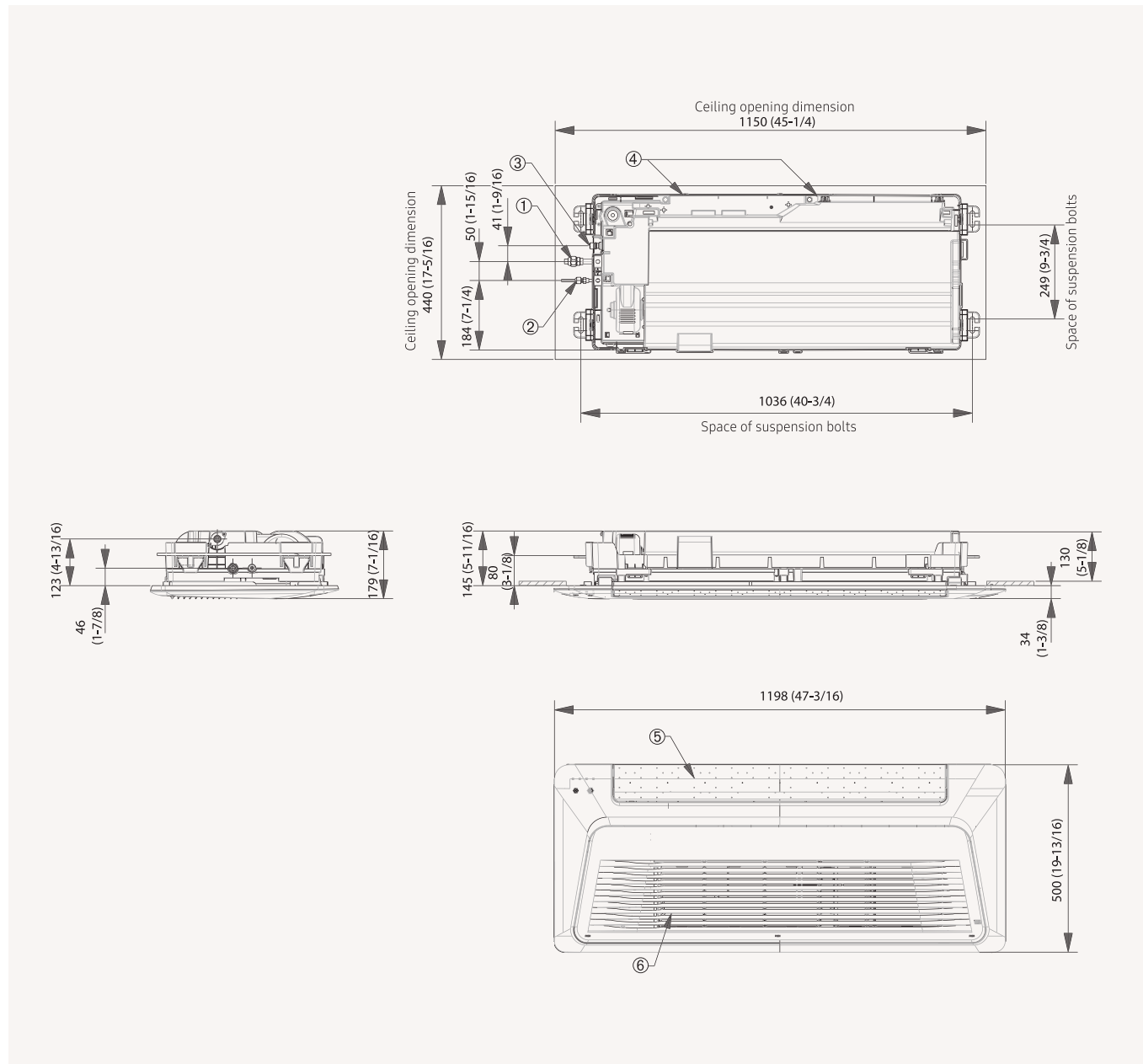


Wireless Remote Controller	Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Panel (Required)
AR-EH03E	MWR-WG00JN/ MWR-WG00KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	PC1NWFMAN

Dimensional drawings

WindFree™ 1-Way Cassette

AJ026/035TN1DKG/EU



NO	Name	Description
1	Gas pipe connection	ø12.70 (1/2)
2	Liquid pipe connection	ø6.35 (1/4)
3	Drain hose connection	VP20 (OD 26, ID 20)
4	Power supply/communication wiring conduits	
5	Air outlet louver	
6	Air inlet grille	

Specifications

MSP Duct R32

- High efficiency fin and tube heat exchanger.
- Auto Restart function.
- Long-life HD 40 permanent filter is included.
- Auto ESP function.



Indoor Unit			AJ052BNMDEG/EU
Capacity			
	Cooling	kW	5.2
	Heating up to +7 °C	kW	5.6
Performance			
Airflow Rate	H/M/L	m³/min	14.0/9.8/5.4
External Static Pressure	Min/Std/Max	Pa	0/19.6/50.0
Sound Power	Cooling	dB(A)	53
Sound Pressure	H/M/L	dB(A)	33/29/23
Electrical Data			
Power Source		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz
Power Consumption	Cooling	W	170
	Heating	W	170
Current Input	Cooling	A	0.45
	Heating	A	0.45
Dimensions			
Net Dimensions (W x H x D)		mm	900 x 199 x 440
Net Weight		kg	18.9
Refrigerant			
Refrigerant	Type		R32 (Contains fluorinated greenhouse gases. GWP=675)
Piping Connections	Liquid Pipe	ø, inch	1/4
	Gas Pipe	ø, inch	1/2
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)
Others			
Accessories	Drain Pump		MDP-Z075SZED
	Max. Lifting Height/ Displacement	mm / litres/h	750/24
	Air Filter		Removable/Washable

Accessories

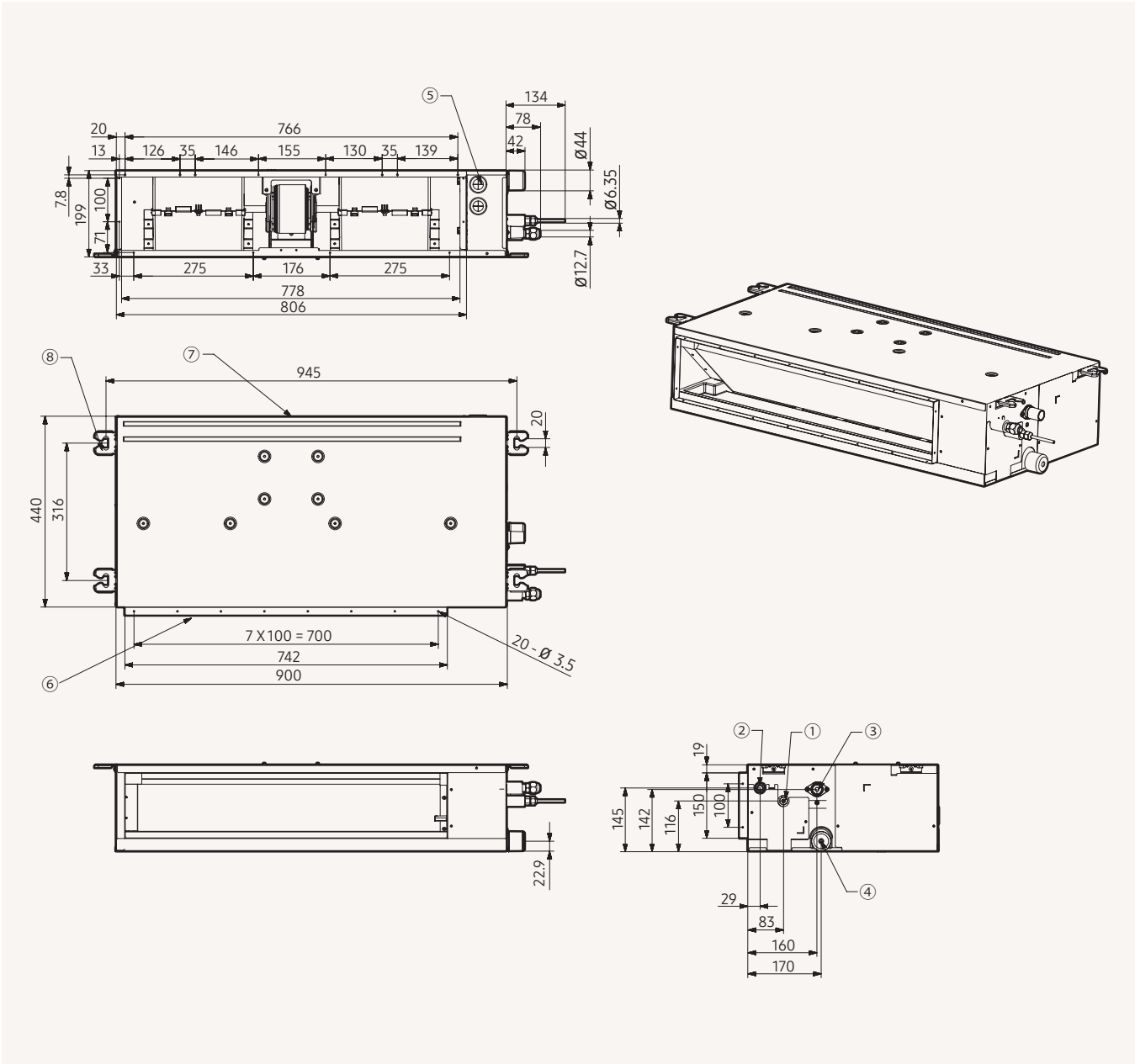


Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Drain pump (optional)
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	MDP-Z075SZED

Dimensional drawings

MSP Duct

AJ052BNMDEG/EU



NO	Name	Description
1	Refrigerant Liquid Pipe	Ø6.35 [1/4"] Flare Connection
2	Refrigerant Gas Pipe	Ø12.70 [1/2"] Flare Connection
3	Condensate Drain	VP25 (OD 32, ID 25)
4	Condensate Drain (Option)	VP25 (OD 32, ID 25)
5	Power & Comm. Wiring Conduits	
6	Supply Air Flange	
7	Return Air Flange	
8	Hook	

Specifications

LSP Slim Duct with Drain Pump R32

- High efficiency microchannel heat exchanger.
- Auto Restart function.
- Long-life HD 40 permanent filter is included.
- Auto ESP function.



Indoor Unit			AJ026TNLPEG/EU	AJ035TNLPEG/EU
Capacity				
	Cooling	kW	2.6	3.5
	Heating up to +7 °C	kW	2.9	3.8
Performance				
Airflow Rate	H/M/L	m³/min	9.1 / 7.7 / 5.7	9.5 / 7.9 / 6.2
External Static Pressure	Min/Std/Max	Pa	0 / 19.6 / 39.2	0 / 19.6 / 39.2
Sound				
Sound Power	Cooling	dB(A)	50	50
Sound Pressure	H/M/L	dB(A)	23/29/33	25/30/34
Electrical Data				
Power Source		Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
Power Input	Cooling	W	40	40
	Heating	W	40	40
Current Input	Cooling	A	0.4	0.4
	Heating	A	0.4	0.4
Dimensions				
Net Dimensions (W x H x D)		mm	700 x 199 x 440	700 x 199 x 440
Net Weight		kg	15.0	15.0
Refrigerant				
Refrigerant	Type		R32 (Contains fluorinated greenhouse gases. GWP=675)	
Piping Connections	Liquid Pipe	ø, inch	1/4"	1/4"
	Gas Pipe	ø, inch	3/8"	3/8"
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
Others				
Accessories	Drain Pump		Built in	Built in
	Max. Lifting Height/ Displacement	mm / litres/h	1,200/24	1,200/24
	Air Filter		Removable/Washable	Removable/Washable

Accessories

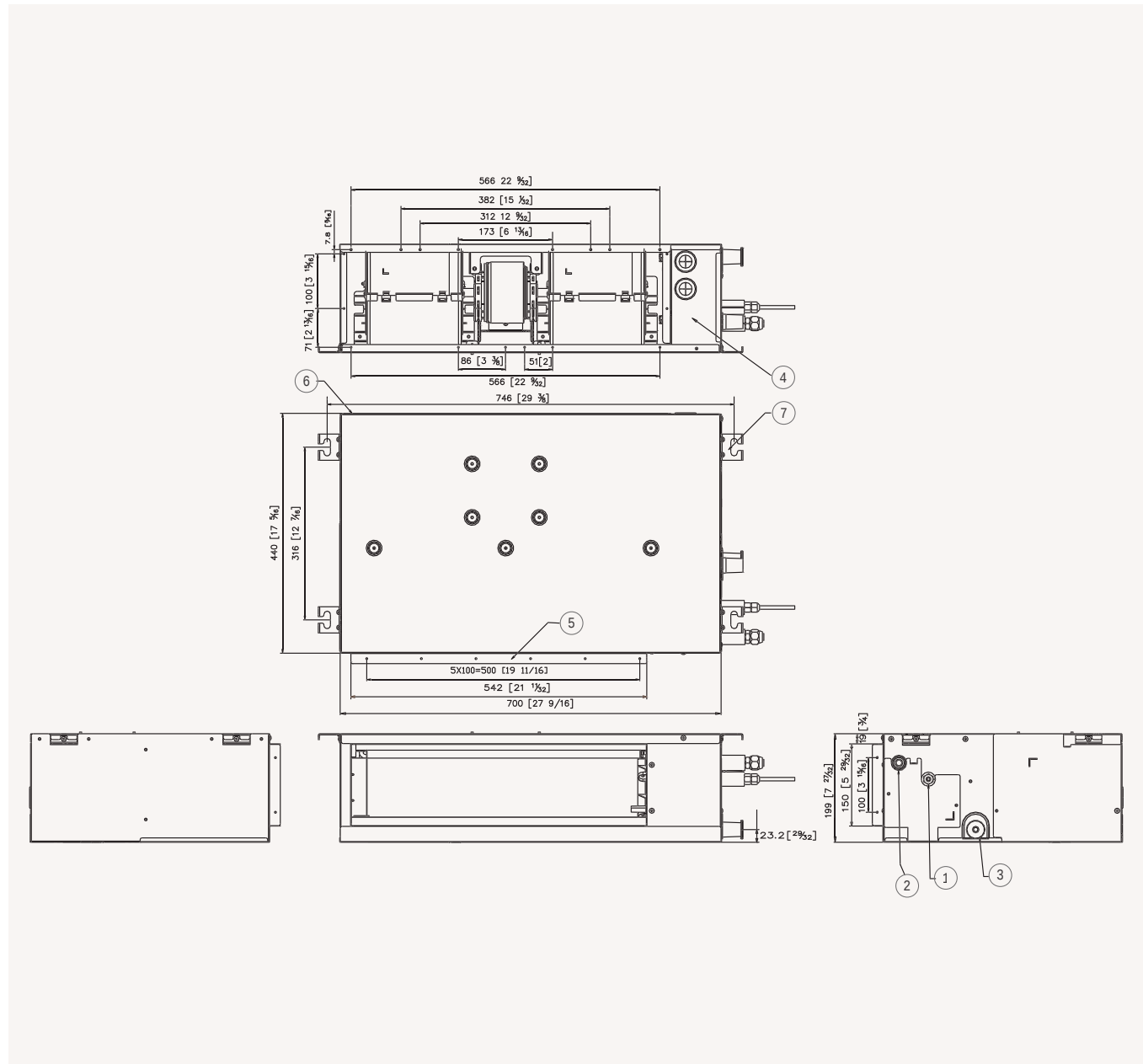


Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MIM-H04EN

Dimensional drawings

LSP Slim Duct with Drain Pump

AJ026/035TNLPEG/EU



NO	Name	Description
1	Liquid pipe connection	ø6.35
2	Gas pipe connection	ø12.7
3	Drain pipe connection without drain pump	VP 25(OD ø32, ID ø25)
4	Power supply / Communication connection	
5	Air discharge grille flange	
6	Return air side	
7	Hook	ø9.52 or M10

Specifications

Console R32

- Slim design: only 199 mm in depth.
- Two separate air outlets, upper (cooling) and bottom (heating) to avoid stratification.

- Long-life washable permanent filter.
- Auto Restart function.
- Remote controller included in console units.



Indoor Unit			AJ026TNJDKG/EU	AJ035TNJDKG/EU	AJ052TNJDKG/EU
Capacity					
	Cooling	kW	2.6	3.5	5.2
	Heating up to +7 °C	kW	2.9	3.8	5.6
Performance					
Airflow Rate		m³/min	9.0/7.8/6.7	10.5/9.3/8.2	11.2/9.9/8.6
Sound Power	Cooling	dB(A)	53	57	60
Sound Pressure	H/M/L	dB(A)	36/31/23	38/35/24	43/39/32
Electrical Data					
Power Source		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
Power Consumption	Cooling	W	30	35	50
	Heating	W	30	35	50
Current Input	Cooling	A	0.25	0.29	0.29
	Heating	A	0.25	0.29	0.29
Dimensions					
Net Dimensions (W x H x D)		mm	720 x 199 x 620	720 x 199 x 620	720 x 199 x 620
Net Weight		kg	15.7	15.7	15.7
Refrigerant					
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)

Accessories

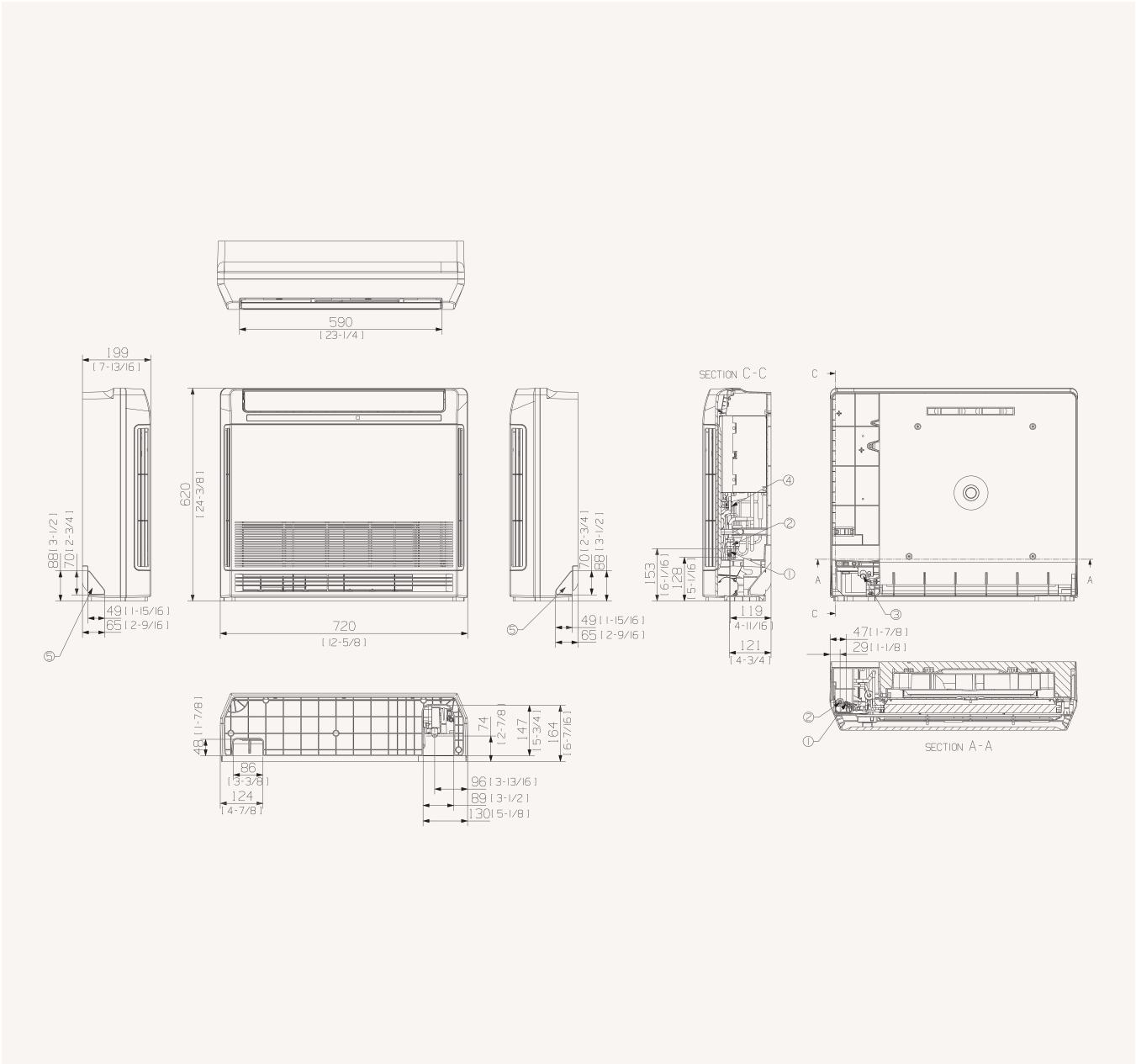


Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Remote controller (included)
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	AR-EH03E

Dimensional drawings

Console

AJ***TNJDKG/EU



NO	Name	Description	
		AJ026/35TNJDKG/EU	AJ052TNJDKG/EU
1	Liquid pipe connection	ø6.35 (1/4)	
2	Gas pipe connection	ø9.52 (3/8)	ø12.70 (1/2)
3	Drain pipe connection	ID 18 [11/16] Hose	
4	Power supply/communication wiring conduits		
5	Knockout hole for drain hose		

Combination guide

4-1. AJ040TXJ2KG/EU

Cooling

Outdoor Unit	A	B	Cooling Capacity		Capacity			Power Consumption			Current			Effic. NOM. Cooling at 35 °C/27 °C	Seasonal Efficiency (According to EN14825)	SEER	Qce
			W		W			W			A						
			A	B	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX				
AJ040TXJ2KG 2 Unit	7	7	2,000	2,000	1,300	4,000	4,700	300	900	1,250	1.7	4.1	5.7	4.44	A+++	8.54	164
	7	9	1,780	2,220	1,300	4,000	4,700	350	920	1,270	1.9	4.2	5.8	4.35	A+++	8.51	165
	7	12	1,450	2,550	1,300	4,000	4,700	350	930	1,280	1.9	4.3	5.9	4.30	A+++	8.51	165
	9	9	2,000	2,000	1,300	4,000	4,700	350	940	1,290	1.9	4.3	5.9	4.26	A+++	8.51	165
	9	12	1,670	2,330	1,300	4,000	4,700	350	950	1,300	1.9	4.3	5.9	4.21	A+++	8.51	165

Heating

Outdoor Unit	A	B	Heating Capacity		Capacity			Power Consumption			Current			Effic. NOM. Heating at 7 °C/20 °C COP ¹	Seasonal Efficiency (According to EN14825) Class	SCOP	Pdesign kW	Qhe kWh
			W		W			W			A							
			A	B	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					
AJ040TXJ2KG 2 Unit	7	7	2,100	2,100	1,000	4,200	4,700	280	900	1,180	1.4	4.1	5.4	4.67	A++	4.64	3.05	922
	7	9	1,840	2,360	1,000	4,200	4,700	280	920	1,190	1.4	4.2	5.4	4.57	A++	4.61	3.05	927
	7	12	1,550	2,650	1,000	4,200	4,700	280	930	1,200	1.4	4.3	5.5	4.52	A++	4.61	3.05	927
	9	9	2,100	2,100	1,000	4,200	4,700	280	940	1,210	1.4	4.3	5.5	4.47	A++	4.61	3.05	927
	9	12	1,800	2,400	1,000	4,200	4,700	280	950	1,220	1.4	4.3	5.6	4.42	A++	4.61	3.05	927

1. EER and COP declared only for the purpose of tax deductions in force at the time of the creation of this catalogue.
2. The above is the value for connecting with the following indoor units. WindFree™ Elite: AR07TXCAAWK, AR09TXCAAWK, AR12TXCAAWK.
3. You cannot connect a single unit.
4. Power consumption includes indoor unit power.

4-2. AJ050TXJ2KG/EU

Cooling

Outdoor Unit	A	B	Cooling Capacity		Capacity			Power Consumption			Current			Effic. NOM. Cooling at 35 °C/27 °C EER	Seasonal Efficiency (According to EN14825) Class	SEER	Qce kWh
			W		W			W			A						
			A	B	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX				
AJ050TXJ2KG 2 Unit	7	7	2,000	2,000	1,300	4,000	4,700	350	980	1,290	1.9	4.5	5.9	4.08	A+++	8.51	165
	7	9	2,040	2,560	1,300	4,600	5,200	350	1,120	1,520	1.9	5.1	7.0	4.11	A+++	8.51	189
	7	12	1,820	3,180	1,400	5,000	5,500	350	1,230	1,510	1.9	5.6	6.9	4.07	A+++	8.51	206
	7	18	1,430	3,570	1,400	5,000	5,500	350	1,200	1,510	1.9	5.5	6.9	4.15	A+++	8.51	206
	9	9	2,500	2,500	1,400	5,000	5,500	350	1,220	1,500	1.9	5.6	6.9	4.10	A+++	8.54	205
	9	12	2,080	2,920	1,400	5,000	5,500	350	1,230	1,510	1.9	5.6	6.9	4.07	A+++	8.51	206
	9	18	1,670	3,330	1,400	5,000	5,500	350	1,230	1,510	1.9	5.5	6.9	4.15	A+++	8.51	206
	12	12	2,500	2,500	1,400	5,000	5,500	350	1,240	1,520	1.9	5.7	7.0	4.03	A+++	8.51	206
	12	18	2,060	2,940	1,400	5,000	5,500	350	1,240	1,520	1.9	5.6	7.0	4.15	A+++	8.51	206

Heating

Outdoor Unit	A	B	Heating Capacity		Capacity			Power Consumption			Current			Effic. NOM. Heating at 7 °C/20 °C COP¹	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kW	Qhe kWh
			W		W			W			A							
			A	B	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					
AJ050TXJ2KG 2 Unit	7	7	2,200	2,200	1,400	4,400	4,700	280	1,010	1,210	1.4	4.6	5.5	4.36	A++	4.61	3.05	927
	7	9	2,230	2,870	1,400	5,100	5,460	280	1,310	1,610	1.4	6	7.4	3.89	A++	4.61	4.21	1,277
	7	12	2,060	3,540	1,400	5,600	6,300	280	1,290	1,710	1.4	5.9	7.8	4.34	A++	4.61	4.21	1,277
	7	18	1,530	4,170	1,400	5,600	6,300	280	1,270	170	1.4	5.7	7.8	4.41	A++	4.61	4.07	1,237
	9	9	2,800	2,800	1,400	5,600	6,300	280	1,280	1,700	1.4	5.9	7.8	4.38	A++	4.64	4.21	1,270
	9	12	2,400	3,200	1,400	5,600	6,300	280	1,290	1,710	1.4	5.9	7.8	4.34	A++	4.61	4.21	1,277
	9	18	2,020	3,680	1,400	5,600	6,300	280	1,270	170	1.4	5.7	7.8	4.41	A++	4.61	4.07	1,237
	12	12	2,800	2,800	1,400	5,600	6,300	280	1,300	1,720	1.4	5.9	7.9	4.31	A++	4.61	4.21	1,277
	12	18	2,280	3,420	1,400	5,600	6,300	280	1,280	1,720	1.4	5.8	7.9	4.38	A++	4.61	4.07	1,237

1. EER and COP declared only for the purpose of tax deductions in force at the time of the creation of this catalogue.
2. The above is the value for connecting with the following indoor units. Wind Free™ Elite: AR07TXCAAWK, AR09TXCAAWK, AR12TXCAAWK.
3. You cannot connect a single unit.
4. Power consumption includes indoor unit power.

Combination guide

4-3. AJ052TXJ3KG/EU

Cooling

Outdoor Unit	A	B	C	Cooling Capacity			Capacity			Power Consumption			Current			Effic. NOM. Cooling at 35 °C/27 °C	Seasonal Efficiency (According to EN14825)	SEER	Qce	
				W			W			W			A							
				A	B	C	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					
AJ052TXJ3KG	2 Unit	7	7		2,000	2,000		1,100	4,000	4,800	320	1,020	1,630	2	4.5	7.5	3.92	A++	8.08	173
		7	9		2,040	2,560		1,100	4,600	5,520	320	1,170	1,850	2	5.2	8.5	3.93	A++	7.73	208
		7	12		1,820	3,180		1,100	5,000	6,290	320	1,260	2,000	2	5.6	9.2	3.97	A++	8.15	215
		7	18		1,490	3,710		1,200	5,200	6,600	320	1,300	2,040	2	5.7	9.3	4.00	A++	7.85	232
		9	9		2,500	2,500		1,100	5,000	5,800	320	1,160	1,980	2	5.1	9.1	4.30	A+++	8.51	206
		9	12		2,080	2,920		1,100	5,000	6,400	320	1,250	2,020	2	5.5	9.2	4.00	A++	8.16	214
		9	18		1,730	3,470		1,200	5,200	6,800	320	1,300	2,070	2	5.7	9.5	4.00	A++	7.85	232
		12	12		2,600	2,600		1,100	5,200	6,560	320	1,300	2,040	2	5.7	9.3	4.00	A++	8.16	214
	3 Unit	7	7	7	1,730	1,730	1,740	1,450	5,200	6,380	330	1,280	2,020	2	5.7	9.2	4.06	A++	7.68	237
		7	7	9	1,600	1,600	2,000	1,450	5,200	6,490	330	1,290	2,040	2	5.7	9.3	4.03	A++	7.67	237
		7	7	12	1,390	1,390	2,420	1,450	5,200	6,800	330	1,270	2,070	2	5.6	9.5	4.09	A++	7.69	237
		7	9	9	1,480	1,860	1,860	1,450	5,200	6,600	330	1,260	2,040	2	5.6	9.3	4.13	A++	7.70	236
		7	9	12	1,300	1,630	2,270	1,450	5,200	6,800	330	1,270	2,070	2	5.6	9.5	4.11	A++	7.69	237
		9	9	9	1,730	1,730	1,740	1,450	5,200	6,800	330	1,250	2,070	2	5.5	9.5	4.16	A++	7.70	236
		9	9	12	1,530	1,530	2,140	1,450	5,200	6,800	330	1,250	2,070	2	5.5	9.5	4.16	A++	8.08	225

Heating

Outdoor Unit	A	B	C	Heating Capacity			Capacity			Power Consumption			Current			Effic. NOM. Heating at 7 °C/20 °C	Seasonal Efficiency (According to EN14825)	SCOP	P design	Qhe	
				W			W			W			A								
				A	B	C	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX						
AJ052TXJ3KG	2 Unit	7	7		2,200	2,200		950	4,400	5,060	280	1,150	1,510	1.7	5.4	6.9	3.83	A+	4.40	3.05	970
		7	9		2,040	3,060		950	5,100	5,870	280	1,320	1,830	1.7	6.1	8.4	3.86	A+	4.35	4.21	1,352
		7	12		1,990	3,610		950	5,600	6,440	280	1,450	1,860	1.7	6.7	8.5	3.86	A+	4.34	4.60	1,484
		7	18		1,610	4,390		950	6,000	6,900	280	1,570	1,860	1.7	7.2	8.5	3.82	A+	4.27	4.28	1,401
		9	9		2,900	2,900		950	5,800	6,300	280	1,510	1,910	1.7	6.9	8.7	3.84	A++	4.60	4.60	1,400
		9	12		2,620	3,180		950	5,800	6,300	280	1,510	1,910	1.7	6.9	8.7	3.84	A+	4.34	4.60	1,484
		9	18		2,240	4,060		950	6,300	7,300	280	1,640	1,830	1.7	7.5	8.4	3.84	A+	4.27	4.28	1,401
	12	12		2,950	2,950		950	5,900	6,880	280	1,530	1,860	1.7	7.0	8.5	3.86	A+	4.34	4.60	1,484	
	3 Unit	7	7	7	1,930	1,930	1,940	1,000	5,800	6,760	280	1,500	1,840	1.7	6.9	8.4	3.87	A+	4.30	4.60	1,497
		7	7	9	1,690	1,690	2,520	1,000	5,900	6,840	280	1,550	1,840	1.7	7.1	8.4	3.81	A+	4.30	4.60	1,497
		7	7	12	1,650	1,650	3,000	1,000	6,300	7,300	280	1,560	1,830	1.7	7.1	8.4	4.04	A+	4.30	4.60	1,497
		7	9	9	1,500	2,250	2,250	1,000	6,000	6,920	280	1,500	1,840	1.7	6.9	8.4	4.00	A+	4.30	4.60	1,497
		7	9	12	1,460	2,190	2,650	1,000	6,300	7,300	280	1,530	1,830	1.7	7.0	8.4	4.12	A+	4.30	4.60	1,497
		9	9	9	2,100	2,100	2,100	1,000	6,300	7,300	280	1,320	1,830	1.7	6.1	8.4	4.77	A+	4.30	4.60	1,497
		9	9	12	1,850	1,850	2,600	1,000	6,300	7,300	280	1,320	1,830	1.7	6.1	8.4	4.77	A+	4.30	4.60	1,497
9		9	18	1,750	1,750	2,550	1,000	6,300	7,300	280	1,320	1,830	1.7	6.1	8.4	4.77	A+	4.30	4.60	1,497	

1. EER and COP declared only for the purpose of tax deductions in force at the time of the creation of this catalogue.
2. The above is the value for connecting with the following indoor units. WindFree™ Elite: AR07TXCAAWK, AR09TXCAAWK, AR12TXCAAWK.
3. You cannot connect a single unit.
4. Power consumption includes indoor unit power.

4-4. AJ068TXJ3KG/EU

Cooling

Outdoor Unit	A	B	C	Cooling Capacity			Capacity			Power Consumption			Current			Effic. NOM. Cooling at 35 °C/27 °C EER	Seasonal Efficiency (According to EN14825) Class	SEER	Qce kWh	
				W			W			W			A							
				A	B	C	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					
AJ068TXJ3KG	2 Unit	7	7		2,000	2,000		1,300	4,000	4,800	420	1,110	1,480	2.3	5.2	6.8	3.60	A++	7.55	185
		7	9		2,000	2,500		1,300	4,500	5,520	420	1,270	1,680	2.3	5.9	7.7	3.54	A++	7.47	211
		7	12		2,000	3,500		1,300	5,500	6,550	420	1,500	2,470	2.3	6.9	11.3	3.50	A++	7.14	270
		7	18		1,860	4,640		1,300	6,500	7,740	420	1,660	2,690	2.3	7.6	12.3	3.62	A++	7.54	302
		9	9		2,500	2,500		1,300	5,000	5,950	420	1,430	2,260	2.3	6.6	10.3	3.50	A++	7.55	232
		9	12		2,500	3,500		1,300	6,000	7,140	420	1,650	2,670	2.3	7.5	12.2	3.64	A++	7.48	281
		9	18		2,270	4,530		1,380	6,800	8,090	430	1,870	2,660	2.3	8.5	12.2	3.64	A++	7.57	314
		12	12		3,250	3,250		1,300	6,500	7,740	420	1,770	2,700	2.3	8.0	12.4	3.67	A++	7.56	301
		12	18		2,800	4,000		1,380	6,800	8,090	430	1,880	2,670	2.3	8.5	12.2	3.62	A++	7.56	315
	18	18		3,400	3,400		1,380	6,800	8,090	430	1,850	2,660	2.3	8.4	12.2	3.68	A++	7.58	314	
	3 Unit	7	7	7	2,000	2,000	2,000	1,800	6,000	7,400	440	1,620	2,650	2.3	7.4	12.1	3.70	A++	7.62	276
		7	7	9	2,000	2,000	2,500	1,800	6,500	8,000	440	1,770	2,690	2.3	8.0	12.3	3.67	A++	7.64	298
		7	7	12	1,810	1,810	3,180	1,800	6,800	8,400	440	1,850	2,700	2.3	8.4	12.4	3.68	A++	7.67	310
		7	7	18	1,510	1,510	3,780	1,800	6,800	8,400	440	1,800	2,690	2.3	8.1	12.3	3.78	A++	7.69	309
		7	9	9	1,860	2,320	2,320	1,800	6,500	8,000	440	1,670	2,690	2.3	7.6	12.3	3.90	A++	7.75	293
		7	9	12	1,700	2,130	2,970	1,800	6,800	8,400	440	1,840	2,690	2.3	8.3	12.3	3.70	A++	7.67	310
		7	9	18	1,430	1,790	3,580	1,800	6,800	8,400	440	1,830	2,690	2.3	8.3	12.3	3.72	A++	7.68	310
		7	12	12	1,520	2,640	2,640	1,800	6,800	8,400	440	1,830	2,700	2.3	8.3	12.4	3.72	A++	7.68	310
		7	12	18	1,300	2,270	3,230	1,800	6,800	8,400	440	1,830	2,700	2.3	8.3	12.4	3.72	A++	7.68	310
		9	9	9	2,260	2,270	2,270	1,800	6,800	8,400	440	1,820	2,690	2.3	8.3	12.3	3.74	A++	7.68	310
		9	9	12	2,000	2,000	2,800	1,800	6,800	8,400	440	1,820	2,700	2.3	8.3	12.4	3.74	A++	7.68	310
		9	9	18	1,700	1,700	3,400	1,800	6,800	8,400	440	1,810	2,690	2.3	8.2	12.3	3.76	A++	7.69	310
		9	12	12	1,780	2,510	2,510	1,800	6,800	8,400	440	1,810	2,700	2.3	8.2	12.4	3.76	A++	7.69	310
		9	12	18	1,550	2,160	3,090	1,800	6,800	8,400	440	1,800	2,700	2.3	8.1	12.4	3.78	A++	7.69	309
		12	12	12	2,260	2,270	2,270	1,800	6,800	8,400	440	1,800	2,710	2.3	8.1	12.4	3.78	A++	7.69	309

Heating

Outdoor Unit	A	B	C	Heating Capacity			Capacity			Power Consumption			Current			Effic. NOM. Heating at 7 °C/20 °C EER	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kWh	Qhe kWh	
				W			W			W			A								
				A	B	C	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX						
AJ068TXJ3KG	2 Unit	7	7		2,200	2,200		1,400	4,400	5,060	380	1,150	1,600	1.9	4.9	7.3	3.83	A+	4.25	3.05	1,006
		7	9		2,200	3,300		1,400	5,500	6,330	380	1,400	2,000	1.9	6.0	9.2	3.93	A+	4.2	4.21	1,401
		7	12		2,200	4,000		1,400	6,200	7,130	380	1,590	2,300	1.9	6.8	10.5	3.90	A+	4.17	4.52	1,517
		7	18		2,090	5,710		1,400	7,800	8,970	380	1,880	2,700	1.9	8.5	12.4	4.14	A+	4.26	5.65	1,856
		9	9		3,300	3,300		1,400	6,600	7,590	380	1,770	2,600	1.9	7.5	11.9	3.73	A+	4.22	4.91	1,628
		9	12		3,300	4,000		1,400	7,300	8,400	380	1,870	2,600	1.9	8.0	11.9	3.90	A+	4.19	5.09	1,699
		9	18		2,770	5,030		1,400	7,800	8,970	380	1,940	2,800	1.9	8.7	12.8	4.02	A+	4.23	5.09	1,683
		12	12		3,900	3,900		1,400	7,800	8,970	380	1,910	2,700	1.9	8.6	12.4	4.08	A+	4.27	5.09	1,668
		12	18		3,200	4,800		1,400	8,000	9,200	380	1,990	2,800	1.9	9.0	12.8	4.02	A+	4.23	5.09	1,683
	18	18		4,000	4,000		1,400	8,000	9,200	380	1,980	2,800	1.9	8.9	12.8	4.04	A+	4.28	5.65	1,847	
	3 Unit	7	7	7	2,200	2,200	2,200	1,400	6,600	8,100	380	1,540	2,400	1.9	6.6	11.0	4.28	A+	4.24	5.65	1,867
		7	7	9	2,200	2,200	3,300	1,400	7,700	9,500	380	1,780	2,500	1.9	8.1	11.4	4.32	A+	4.24	5.65	1,867
		7	7	12	2,100	2,100	3,800	1,400	8,000	9,800	380	1,870	2,600	1.9	8.5	11.9	4.28	A+	4.26	5.65	1,856
		7	7	18	1,690	1,690	4,620	1,400	8,000	9,800	380	1,860	2,600	1.9	8.4	11.9	4.30	A+	4.26	5.65	1,856
		7	9	9	2,000	3,000	3,000	1,400	8,000	9,800	380	1,810	2,500	1.9	8.2	11.4	4.42	A+	4.32	5.65	1,833
		7	9	12	1,850	2,780	3,370	1,400	8,000	9,800	380	1,830	2,600	1.9	8.3	11.9	4.37	A+	4.24	5.65	1,867
		7	9	18	1,530	2,300	4,170	1,400	8,000	9,800	380	1,860	2,600	1.9	8.4	11.9	4.30	A+	4.24	5.65	1,867
		7	12	12	1,720	3,140	3,140	1,400	8,000	9,800	380	1,860	2,600	1.9	8.4	11.9	4.30	A+	4.24	5.65	1,867
		7	12	18	1,450	2,620	3,930	1,400	8,000	9,800	380	1,860	2,600	1.9	8.4	11.9	4.30	A+	4.24	5.65	1,867
		9	9	9	2,660	2,670	2,670	1,400	8,000	9,800	380	1,850	2,600	1.9	8.4	11.9	4.32	A+	4.24	5.65	1,867
		9	9	12	2,490	2,490	3,020	1,400	8,000	9,800	380	1,850	2,600	1.9	8.4	11.9	4.32	A+	4.26	5.65	1,856
		9	9	18	2,100	2,100	3,800	1,400	8,000	9,800	380	1,870	2,600	1.9	8.5	11.9	4.28	A+	4.26	5.65	1,856
		9	12	12	2,340	2,830	2,830	1,400	8,000	9,800	380	1,870	2,600	1.9	8.5	11.9	4.28	A+	4.24	5.65	1,867
		9	12	18	1,980	2,410	3,610	1,400	8,000	9,800	380	1,890	2,700	1.9	8.6	12.4	4.23	A+	4.24	5.65	1,867
		12	12	12	2,660	2,670	2,670	1,400	8,000	9,800	380	1,810	2,600	1.9	8.2	11.9	4.42	A+	4.32	5.65	1,833

1. EER and COP declared only for the purpose of tax deductions in force at the time of the creation of this catalogue.
2. The above is the value for connecting with the following indoor units. WindFree™ Elite: AR07TXCAAWK, AR09TXCAAWK, AR12TXCAAWK.
3. You cannot connect a single unit.
4. Power consumption includes indoor unit power.

Combination guide

4-5. AJ080TXJ4KG/EU

Cooling

Outdoor Unit	A	B	C	D	Cooling Capacity				Capacity			Power Consumption			Current			Effic. NOM. Cooling at 35 °C/ 27 °C EER	Seasonal Efficiency (According to EN14825) Class	SEER	Qce kWh		
					W				W			W			A								
					A	B	C	D	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					MIN	STD
AJ080TXJ4KG	2 Unit	7	7			2,000	2,000			1,640	4,000	4,800	410	1,110	1,490	1.9	4.9	6.8	3.60	A++	7.55	185	
		7	9			2,040	2,560			1,690	4,600	5,520	420	1,310	1,720	1.9	5.8	7.9	3.51	A++	7.47	216	
		7	12			2,000	3,500			1,770	5,500	6,600	430	1,570	2,050	2.0	6.9	9.4	3.50	A++	7.14	270	
		7	18			2,060	5,140			1,900	7,200	8,640	580	2,050	2,690	2.7	8.9	12.3	3.51	A++	7.31	345	
		7	24			1,690	5,760			1,900	7,450	8,640	580	2,130	2,730	2.7	9.3	12.5	3.50	A++	7.25	359	
		9	9			2,600	2,600			1,750	5,200	6,240	420	1,480	2,000	1.9	6.5	9.2	3.51	A++	7.3	249	
		9	12			2,540	3,560			1,820	6,100	7,320	440	1,680	2,260	2.0	7.4	10.3	3.63	A++	7.46	286	
		9	18			2,400	4,800			1,900	7,200	8,640	580	2,050	2,690	2.7	8.9	12.3	3.51	A++	7.31	345	
		9	24			2030	5,520			1,900	7,550	8,760	580	2,150	2,760	2.7	9.4	12.6	3.51	A++	7.26	364	
		12	12			3,500	3,500			1,900	7,000	8,000	580	2,000	2,620	2.7	8.7	12.0	3.50	A++	7.3	336	
		12	18			3,030	4,320			1,900	7,350	8,820	580	2,110	2,750	2.7	9.2	12.6	3.48	A++	7.27	354	
		12	24			2,620	5,080			1,900	7,700	8,930	580	2,180	2,780	2.7	9.5	12.7	3.53	A++	7.21	377	
		18	18			3,830	3,830			1,900	7,660	9,180	580	2,120	2,860	2.7	9.2	13.1	3.61	A++	7.21	372	
		18	24			3,310	4,490			1,900	7,800	8,970	580	2,150	2,820	2.7	9.4	12.9	3.63	A++	7.22	378	
		3 Unit	7	7	7		2,000	2,000	2,000		1,810	6,000	7,200	440	1,620	2,310	2.0	6.9	10.6	3.70	A++	7.62	276
			7	7	9		2030	2030	2,540		1,870	6,600	7,920	440	1,810	2,500	2.0	7.7	11.4	3.65	A++	7.58	305
			7	7	12		1,920	1,920	3,360		1,900	7,200	9,000	580	2,020	2,780	2.7	8.6	12.7	3.56	A++	7.45	338
			7	7	18		1,680	1,680	4,190		1,900	7,550	9,180	580	2,130	2,730	2.7	9.1	12.5	3.54	A++	7.75	341
	7		7	24		1,480	1,480	5,040		1,900	8,000	9,300	580	2,090	2,870	2.7	8.9	13.1	3.83	A++	7.75	361	
	7		9	9		2,000	2,500	2,500		1,900	7,000	8,640	580	1,930	2,680	2.7	8.2	12.3	3.63	A++	7.35	348	
	7		9	12		1,830	2,280	3,200		1,900	7,310	9,060	580	2030	2,690	2.7	8.6	12.3	3.60	A++	7.75	330	
	7		9	18		1,610	2,010	4,030		1,900	7,650	9,250	580	2,050	2,730	2.7	8.7	12.5	3.73	A++	7.81	343	
	7		9	24		1,420	1,770	4,810		1,900	8,000	9,300	580	2030	2,870	2.7	8.7	13.1	3.94	A++	7.77	360	
	7		12	12		1,680	2,930	2,930		1,900	7,540	9,160	580	2,070	2,730	2.7	8.8	12.5	3.64	A++	7.78	339	
	7		12	18		1,500	2,630	3,750		1,900	7,880	9,300	580	2,050	2,820	2.7	8.7	12.9	3.84	A++	7.74	356	
	7		18	18		1,330	3,330	3,330		1,900	8,000	9,300	580	2,010	2,910	2.7	8.6	13.3	3.98	A++	7.78	360	
	9		9	9		2,400	2,400	2,400		1,900	7,200	9,030	580	1,950	2,640	2.7	8.3	12.1	3.69	A++	7.77	324	
	9		9	12		2,180	2,180	3,060		1,900	7,420	9,130	580	2,040	2,690	2.7	8.7	12.3	3.64	A++	7.77	334	
	9		9	18		1,940	1,940	3,890		1,900	7,770	9,300	580	1,950	2,780	2.7	8.3	12.7	3.98	A++	7.77	350	
	9		9	24		1,690	1,690	4,610		1,900	8,000	9,300	580	2,000	2,910	2.7	8.5	13.3	4.00	A++	7.79	359	
	9		12	12		2,010	2,820	2,820		1,900	7,650	9,230	580	2,080	2,730	2.7	8.9	12.5	3.68	A++	7.79	344	
	9		12	18		1,820	2,550	3,640		1,900	8,000	9,300	580	2,020	2,870	2.7	8.6	13.1	3.96	A++	7.78	360	
	12		12	12		2,630	2,630	2,630		1,900	7,890	9,300	580	2,120	2,820	2.7	9.0	12.9	3.72	A++	7.71	358	
	12		12	18		2,330	2,330	3,330		1,900	8,000	9,300	580	2,110	2,910	2.7	9.0	13.3	3.79	A++	7.74	362	
	4 Unit		7	7	7	7	1,830	1,830	1,830	1,830	1,900	7,320	9,050	580	1,800	2,690	2.7	8.2	12.3	4.06	A++	7.67	334
		7	7	7	9	1,750	1,750	1,750	2,190	1,900	7,440	9,120	580	1,850	2,690	2.7	8.4	12.3	4.02	A++	7.67	340	
		7	7	7	12	1,610	1,610	1,610	2,820	1,900	7,650	9,220	580	1,900	2,730	2.7	8.6	12.5	4.03	A++	7.69	348	
		7	7	7	18	1,450	1,450	1,450	3,650	1,900	8,000	9,300	580	2,000	2,870	2.7	9.0	13.1	4.00	A++	7.7	364	
		7	7	9	9	1,680	1,680	2,090	2,090	1,900	7,540	9,180	580	1,870	2,730	2.7	8.5	12.5	4.03	A++	7.68	344	
		7	7	9	12	1,550	1,550	1,940	2,720	1,900	7,760	9,280	580	1,940	2,780	2.7	8.8	12.7	4.00	A++	7.69	353	
		7	7	9	18	1,390	1,390	1,740	3,480	1,900	8,000	9,300	580	1,970	2,870	2.7	8.9	13.1	4.06	A++	7.72	363	
		7	7	12	12	1,450	1,450	2,550	2,550	1,900	8,000	9,300	580	1,990	2,870	2.7	9.0	13.1	4.02	A++	7.71	363	
		7	9	9	9	1,610	2,010	2,010	2,010	1,900	7,650	9,250	580	1,900	2,730	2.7	8.6	12.5	4.03	A++	7.69	348	
		7	9	9	12	1,500	1,880	1,880	2,630	1,900	7,890	9,300	580	1,960	2,820	2.7	8.9	12.9	4.03	A++	7.7	359	
		7	9	9	18	1,330	1,670	1,670	3,330	1,900	8,000	9,300	580	1,970	2,910	2.7	8.9	13.3	4.06	A++	7.72	363	
		7	9	12	12	1,400	1,740	2,430	2,430	1,900	8,000	9,300	580	1,970	2,870	2.7	8.9	13.1	4.06	A++	7.72	363	
		9	9	9	9	1,940	1,940	1,940	1,940	1,900	7,760	9,300	580	1,940	2,780	2.7	8.8	12.7	4.00	A++	7.69	353	
		9	9	9	12	1,820	1,820	1,820	2,540	1,900	8,000	9,300	580	1,970	2,870	2.7	8.9	13.1	4.06	A++	7.72	363	
		9	9	12	12	1,670	1,670	2,330	2,330	1,900	8,000	9,300	580	1,970	2,910	2.7	8.9	13.3	4.06	A++	7.72	363	

Heating

Outdoor Unit		A	B	C	D	Heating Capacity				Capacity			Power Consumption			Current			Effic. NOM. Heating at 7 °C/20 °C COP ¹	Seasonal Efficiency (According to EN14825) Class	SCOP	p design kW	Qhe kWh	
						W				W			W			A								
						A	B	C	D	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX						
AJ080TXJ4KG	2 Unit	7	7			2,200	2,200			1,980	4,400	5,060	600	1,150	1,530	2.7	4.9	7.0	3.83	A+	4.25	3.05	1,006	
		7	9			2,040	3,060			2,040	5,100	5,870	610	1,290	1,700	2.8	5.5	7.8	3.95	A+	4.20	4.21	1,401	
		7	12			2,130	3,870			2,110	6,000	6,900	610	1,530	2,110	2.8	6.5	9.7	3.92	A+	4.11	4.91	1,669	
		7	18			2,090	5,710			2,200	7,800	9,130	620	1,920	2,580	2.8	8.2	11.8	4.06	A+	4.18	5.09	1,705	
		7	24			1,790	6,330			2,200	8,120	9,300	620	2,000	2,600	2.8	8.5	11.9	4.06	A+	4.18	5.2	1,742	
		9	9			2,900	2,900			2,100	5,800	6,670	610	1,470	1,930	2.8	6.3	8.8	3.94	A+	4.11	4.91	1,669	
		9	12			3,030	3,670			2,170	6,700	7,710	610	1,730	2,330	2.8	7.4	10.7	3.87	A+	4.11	4.91	1,669	
		9	18			2,770	5,030			2,200	7,800	9,360	620	1,920	2,600	2.8	8.2	11.9	4.06	A+	4.18	5.09	1,705	
		9	24			2,480	5,870			2,200	8,350	9,600	620	2,220	2,700	2.8	9.5	12.4	3.94	A+	4.18	5.2	1,742	
		12	12			3,800	3,800			2,200	7,600	8,740	620	1,890	2,510	2.8	8.1	11.5	4.02	A+	4.18	5.09	1,705	
		12	18			3,250	4,870			2,200	8,120	9,500	620	2,000	2,650	2.8	8.5	12.1	4.06	A+	4.18	5.09	1,705	
		12	24			2,860	5,590			2,200	8,450	9,700	620	2,100	2,700	2.8	8.9	12.4	4.02	A+	4.18	5.09	1,705	
		18	18			4,250	4,250			2,200	8,500	9,950	620	2,080	2,750	2.8	8.9	12.6	4.09	A+	4.10	5.88	2,010	
		18	24			3,760	4,890			2,200	8,650	9,900	620	2,110	2,800	2.8	9.0	12.8	4.10	A+	4.10	5.88	2,010	
	3 Unit	7	7			2,200	2,200	2,200		2,170	6,600	7,590	610	1,540	2,220	2.8	6.6	10.2	4.28	A+	4.14	5.65	1,912	
		7	7	9		2,090	2,090	3,120		2,200	7,300	8,400	620	1,670	2,340	2.8	7.1	10.7	4.37	A+	4.10	5.88	2,010	
		7	7	12		2,150	2,150	3,900		2,200	8,200	9,590	620	1,950	2,570	2.8	8.3	11.8	4.21	A+	4.10	5.88	2,010	
		7	7	18		1,820	1,820	4,980		2,200	8,620	10,090	620	2,040	2,610	2.8	8.7	11.9	4.23	A+	4.10	5.88	2,009	
		7	7	24		1,580	1,580	5,590		2,200	8,750	10,500	620	2,080	2,750	2.8	8.9	12.6	4.21	A+	4.11	5.88	2,003	
		7	9	9		2,000	3,000	3,000		2,200	8,000	9,360	620	1,930	2,500	2.8	8.2	11.4	4.14	A+	4.10	5.88	2,010	
		7	9	12		1,980	2,960	3,590		2,200	8,530	9,980	620	2,000	2,690	2.8	8.5	12.3	4.27	A+	4.10	5.88	2,009	
		7	9	18		1,660	2,490	4,530		2,200	8,680	10,150	620	2,030	2,740	2.8	8.6	12.5	4.28	A+	4.10	5.88	2,009	
		7	9	24		1,540	2,310	5,450		2,200	9,300	10,900	620	2,150	2,820	2.8	9.2	12.9	4.33	A+	4.11	5.88	2,003	
		7	12	12		1,860	3,370	3,370		2,200	8,600	10,070	620	2,030	2,740	2.8	8.6	12.5	4.24	A+	4.10	5.88	2,009	
		7	12	18		1,580	2,870	4,300		2,200	8,750	10,500	620	2,080	2,750	2.8	8.9	12.6	4.21	A+	4.11	5.88	2,003	
		7	18	18		1,440	3,930	3,930		2,200	9,300	10,900	620	2,150	2,820	2.8	9.2	12.9	4.33	A+	4.11	5.88	2,003	
		9	9	9		2,840	2,840	2,840		2,200	8,520	9,960	620	1,990	2,680	2.8	8.5	12.3	4.28	A+	4.10	5.88	2,009	
		9	9	12		2,670	2,670	3,250		2,200	8,590	10,050	620	2,030	2,690	2.8	8.6	12.3	4.23	A+	4.10	5.88	2,009	
		9	9	18		2,290	2,290	4,170		2,200	8,750	10,500	620	2,080	2,740	2.8	8.9	12.5	4.21	A+	4.11	5.88	2,003	
		9	9	24		2,130	2,130	5,040		2,200	9,300	10,900	620	2,170	2,820	2.8	9.2	12.9	4.29	A+	4.11	5.88	2,003	
		9	12	12		2,520	3,070	3,070		2,200	8,660	10,130	620	2,040	2,740	2.8	8.7	12.5	4.24	A+	4.10	5.88	2,009	
		9	12	18		2,310	2,800	4,190		2,200	9,300	10,500	620	2,130	2,750	2.8	9.1	12.6	4.37	A+	4.11	5.88	2,003	
		12	12	12		2,910	2,910	2,910		2,200	8,730	10,220	620	2,070	2,750	2.8	8.8	12.6	4.22	A+	4.11	5.88	2,003	
		12	12	18		2,660	2,660	3,980		2,200	9,300	10,900	620	2,160	2,790	2.8	9.2	12.8	4.31	A+	4.11	5.88	2,003	
		4 Unit	7	7	7	7	2,130	2,130	2,130	2,130	2,200	8,520	9,970	620	1,990	2,690	2.8	8.9	12.3	4.28	A+	4.11	5.88	2,003
			7	7	7	9	1,910	1,910	1,910	2,850	2,200	8,580	10,040	620	2,030	2,690	2.8	9.0	12.3	4.23	A+	4.11	5.88	2,003
			7	7	7	12	1,800	1,800	1,800	3,250	2,200	8,650	10,120	620	2,020	2,740	2.8	9.0	12.5	4.28	A+	4.11	5.88	2,003
			7	7	7	18	1,620	1,620	1,620	4,440	2,200	9,300	10,900	620	2,130	2,820	2.8	9.5	12.9	4.37	A+	4.11	5.88	2,003
			7	7	9	9	1,730	1,730	2,590	2,590	2,200	8,640	10,100	620	2,020	2,740	2.8	9.0	12.5	4.28	A+	4.11	5.88	2,003
	7		7	9	12	1,640	1,640	2,460	2,970	2,200	8,710	10,190	620	2,040	2,740	2.8	9.1	12.5	4.27	A+	4.11	5.88	2,003	
	7		7	9	18	1,490	1,490	2,240	4,080	2,200	9,300	10,900	620	2,130	2,820	2.8	9.5	12.9	4.37	A+	4.11	5.88	2,003	
	7		7	12	12	1,560	1,560	2,830	2,830	2,200	8,780	10,270	620	2,070	2,790	2.8	9.2	12.8	4.24	A+	4.11	5.88	2,003	
	7		9	9	9	1,580	2,370	2,370	2,370	2,200	8,690	10,170	620	2,030	2,740	2.8	9.0	12.5	4.28	A+	4.11	5.88	2,003	
	7		9	9	12	1,510	2,260	2,260	2,730	2,200	8,760	10,250	620	2,060	2,790	2.8	9.2	12.8	4.25	A+	4.11	5.88	2,003	
	7		9	9	18	1,390	2,070	2,070	3,770	2,200	9,300	10,900	620	2,130	2,820	2.8	9.5	12.9	4.37	A+	4.11	5.88	2,003	
	7		9	12	12	1,520	2,260	2,760	2,760	2,200	9,300	10,900	620	2,130	2,820	2.8	9.5	12.9	4.37	A+	4.11	5.88	2,003	
	9		9	9	9	2,190	2,190	2,190	2,190	2,200	8,760	10,240	620	2,060	2,740	2.8	9.2	12.5	4.25	A+	4.11	5.88	2,003	
	9		9	9	12	2,210	2,210	2,210	2,670	2,200	9,300	10,900	620	2,130	2,790	2.8	9.5	12.8	4.37	A+	4.11	5.88	2,003	
	9		9	12	12	2,100	2,100	2,550	2,550	2,200	9,300	10,900	620	2,130	2,820	2.8	9.5	12.9	4.37	A+	4.11	5.88	2,003	

- EER and COP declared only for the purpose of tax deductions in force at the time of the creation of this catalogue.
- The above is the value for connecting with the following indoor units. WindFree™ Elite: AR07TXCAAWK, AR09TXCAAWK, AR12TXCAAWK.
- You cannot connect a single unit.
- Power consumption includes indoor unit power.

Combination guide

4-6. AJ100TXJ5KG/EU

Cooling

Outdoor Unit		A	B	C	D	E	Cooling Capacity					Capacity			Power Consumption			Current			Effic. NOM. Cooling at 35 °C/27 °C	Seasonal Efficiency (According to EN14825) Class	SEER	Qce
							W					W			W			A						
							A	B	C	D	E	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX				
AJ100TXJ5KG	2 Unit	7	7				2,000	2,000				1,680	4,000	4,900	610	1,110	1,650	2.8	4.7	7.6	3.60	A++	7.28	192
		7	9				2,000	2,500				1,680	4,500	5,530	610	1,270	1,860	2.8	5.4	8.5	3.55	A++	7.39	213
		7	12				2,000	3,500				1,710	5,500	6,950	620	1,570	2,330	2.8	6.7	10.7	3.50	A++	7.40	260
		7	18				2,000	5,000				2,210	7,000	8,690	630	1,970	2,910	2.9	8.4	13.3	3.55	A++	7.37	332
		7	24				1,830	6,240				2,280	8,070	10,110	650	2,290	3,390	3.0	9.8	15.5	3.52	A++	7.30	387
		9	9				2,500	2,500				1,680	5,000	6,320	610	1,400	2,120	2.8	6.0	9.7	3.58	A++	7.49	234
		9	12				2,500	3,500				1,710	6,000	7,270	620	1,690	2,430	2.8	7.2	11.1	3.55	A++	7.46	282
		9	18				2,500	5,000				2,210	7,500	9,320	630	2,140	3,120	2.9	9.1	14.3	3.51	A++	7.33	358
		9	24				2,190	5,960				2,280	8,150	10,110	650	2,340	3,390	3.0	10.0	15.5	3.48	A++	7.30	391
		12	12				3,500	3,500				2,170	7,000	8,530	620	1,960	2,850	2.8	8.4	13.0	3.58	A++	7.38	332
		12	18				3,300	4,720				2,240	8,020	9,950	640	2,260	3,330	2.9	9.6	15.2	3.55	A++	7.31	386
		12	24				2,920	5,670				2,480	8,590	10,740	660	2,480	3,600	3.0	10.6	16.5	3.47	A++	7.15	420
	18	18				4,280	4,280				2,440	8,560	10,430	650	2,460	3,500	3.0	10.5	16.0	3.48	A++	7.15	419	
	18	24				3,740	5,080				2,510	8,820	10,900	670	2,470	3,670	3.1	10.5	16.8	3.57	A++	7.29	423	
	24	24				4,550	4,550				3,110	9,100	11,000	690	2,560	3,740	3.2	10.9	17.1	3.55	A++	7.30	436	
	3 Unit	7	7	7			2,000	2,000	2,000			1,760	6,000	7,270	640	1,660	2,460	2.9	7.1	11.3	3.62	A++	7.48	281
		7	7	9			2,000	2,000	2,500			1,760	6,500	7,900	640	1,780	2,660	2.9	7.6	12.2	3.65	A++	7.48	281
		7	7	12			2,000	2,000	3,500			2,280	7,500	8,850	650	2,080	2,980	3.0	8.9	13.6	3.61	A++	7.52	349
		7	7	18			1,930	1,930	4,830			2,310	8,690	10,270	660	2,500	3,450	3.0	10.7	15.8	3.48	A++	7.91	391
		7	7	24			1,660	1,660	5,650			2,550	8,970	10,430	680	2,560	3,530	3.1	10.9	16.2	3.51	A++	7.65	411
		7	9	9			2,000	2,500	2,500			2,240	7,000	8,370	640	1,920	2,820	2.9	8.2	12.9	3.64	A++	7.50	326
		7	9	12			2,000	2,500	3,500			2,280	8,000	9,320	650	2,230	3,130	3.0	9.5	14.3	3.58	A++	7.77	361
		7	9	18			1,850	2,310	4,620			2,310	8,780	10,270	660	2,480	3,450	3.0	10.6	15.8	3.54	A++	7.92	388
		7	9	24			1,550	1,940	5,270			2,550	8,760	10,430	680	2,470	3,530	3.1	10.5	16.2	3.54	A++	7.92	387
		7	12	12			1,930	3,380	3,380			2,280	8,690	10,270	650	2,500	3,440	3.0	10.7	15.7	3.48	A++	7.91	391
		7	12	18			1,700	2,980	4,250			2,510	8,930	10,430	670	2,590	3,510	3.1	11.0	16.1	3.45	A++	7.90	396
		7	12	24			1,460	2,550	4,950			2,760	8,960	10,740	690	2,550	3,630	3.2	10.9	16.6	3.51	A++	7.65	410
		7	18	18			1,480	3,710	3,710			2,720	8,900	10,740	680	2,540	3,630	3.1	10.8	16.6	3.50	A++	7.92	394
		7	18	24			1,340	3,360	4,560			3,150	9,260	11,000	700	2,570	3,750	3.2	11.0	17.2	3.61	A++	7.75	418
		7	24	24			1,260	4,270	4,270			3,240	9,800	11,000	720	2,720	3,770	3.3	11.6	17.3	3.60	A++	7.77	442
		9	9	9			2,500	2,500	2,500			2,240	7,500	8,850	640	2,080	2,970	2.9	8.9	13.6	3.61	A++	7.52	349
		9	9	12			2,500	2,500	3,500			2,280	8,500	9,950	650	2,390	3,340	3.0	10.2	15.3	3.55	A++	7.91	376
		9	9	18			2,210	2,210	4,430			2,480	8,850	10,270	660	2,520	3,450	3.0	10.7	15.8	3.51	A++	7.92	391
		9	9	24			1,880	1,880	5,110			2,550	8,870	10,740	680	2,530	3,630	3.1	10.8	16.6	3.51	A++	7.92	392
		9	12	12			2,310	3,230	3,230			2,280	8,770	10,270	650	2,440	3,440	3.0	10.4	15.7	3.59	A++	7.93	387
		9	12	18			1,980	2,770	3,950			2,510	8,700	10,430	670	2,420	3,510	3.1	10.3	16.1	3.59	A++	7.93	384
		9	12	24			1,770	2,480	4,810			2,760	9,060	10,900	690	2,570	3,690	3.2	11.0	16.9	3.52	A++	7.66	414
		9	18	18			1,800	3,600	3,600			2,720	9,000	10,900	680	2,560	3,680	3.1	10.9	16.8	3.52	A++	7.65	412
		9	18	24			1,640	3,270	4,450			3,150	9,360	11,000	700	2,590	3,750	3.2	11.0	17.2	3.61	A++	7.75	423
		9	24	24			1,520	4,140	4,140			3,240	9,800	11,000	720	2,660	3,770	3.3	11.3	17.3	3.68	A++	7.79	440
		12	12	12			2,980	2,980	2,980			2,480	8,940	10,430	660	2,410	3,500	3.0	10.3	16.0	3.71	A++	7.98	392
		12	12	18			2,600	2,600	3,710			2,680	8,910	10,740	670	2,410	3,620	3.1	10.3	16.6	3.69	A++	7.97	391
		12	12	24			2,350	2,350	4,560			3,110	9,260	11,000	690	2,540	3,740	3.2	10.8	17.1	3.64	A++	7.75	418
		12	18	18			2,390	3,410	3,410			3,110	9,210	11,000	690	2,530	3,740	3.2	10.8	17.1	3.64	A++	7.75	416
		12	18	24			2,240	3,200	4,360			3,200	9,800	11,000	710	2,750	3,760	3.2	11.7	17.2	3.57	A++	7.75	442
		12	24	24			2,000	3,900	3,900			3,290	9,800	11,000	730	2,750	3,780	3.3	11.7	17.3	3.57	A++	7.75	442
		18	18	18			3,260	3,270	3,270			3,150	9,800	11,000	700	2,750	3,750	3.2	11.7	17.2	3.57	A++	7.75	442
		18	18	24			2,920	2,920	3,960			3,240	9,800	11,000	720	2,750	3,770	3.3	11.7	17.3	3.57	A++	7.75	442

Outdoor Unit		A	B	C	D	E	Cooling Capacity					Capacity			Power Consumption			Current			Effic. NOM. Cooling at 35 °C/27 °C	Seasonal Efficiency (According to EN14825)	SEER	Qce
							W					W			W			A						
							A	B	C	D	E	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX				
AJ100TXJ5KG	4 Unit	7	7	7	7		2,000	2,000	2,000	2,000		2,350	8,000	9,320	670	2,170	3,160	3.1	9.2	14.5	3.68	A++	7.79	359
		7	7	7	9		2,000	2,000	2,000	2,500		2,350	8,500	9,950	670	2,290	3,360	3.1	9.8	15.4	3.71	A++	7.95	374
		7	7	7	12		1,850	1,850	1,850	3,230		2,380	8,780	10,270	680	2,390	3,470	3.1	10.2	15.9	3.68	A++	7.96	386
		7	7	7	18		1,580	1,580	1,580	3,950		2,590	8,690	10,430	690	2,330	3,540	3.2	9.9	16.2	3.73	A++	7.97	382
		7	7	7	24		1,420	1,420	1,420	4,820		2,840	9,080	10,900	710	2,460	3,710	3.2	10.5	17.0	3.69	A++	7.71	412
		7	7	9	9		1,930	1,930	2,420	2,420		2,350	8,700	10,270	670	2,330	3,460	3.1	9.9	15.8	3.73	A++	7.97	382
		7	7	9	12		1,770	1,770	2,210	3,100		2,550	8,850	10,270	680	2,420	3,470	3.1	10.3	15.9	3.66	A++	7.96	389
		7	7	9	18		1,530	1,530	1,910	3,830		2,590	8,800	10,740	690	2,380	3,640	3.2	10.1	16.7	3.70	A++	7.97	387
		7	7	9	24		1,380	1,380	1,720	4,680		3,200	9,160	10,900	710	2,490	3,710	3.2	10.6	17.0	3.68	A++	7.76	413
		7	7	12	12		1,580	1,580	2,770	2,770		2,550	8,700	10,430	680	2,280	3,530	3.1	9.7	16.2	3.82	A++	8.00	381
		7	7	12	18		1,440	1,440	2,520	3,600		2,800	9,000	10,900	700	2,420	3,700	3.2	10.3	16.9	3.72	A++	7.71	409
		7	7	12	24		1,310	1,310	2,290	4,450		3,240	9,360	11,000	720	2,530	3,770	3.3	10.8	17.3	3.70	A++	7.78	421
		7	7	18	18		1,330	1,330	3,320	3,320		3,200	9,300	11,000	710	2,510	3,760	3.2	10.7	17.2	3.71	A++	7.78	419
		7	7	18	24		1,240	1,240	3,100	4,220		3,290	9,800	11,000	730	2,620	3,780	3.3	11.2	17.3	3.74	A++	7.81	439
		7	9	9	9		1,850	2,310	2,310	2,310		2,350	8,780	10,270	670	2,290	3,460	3.1	9.8	15.8	3.84	A++	8.01	384
		7	9	9	12		1,700	2,130	2,130	2,980		2,550	8,940	10,430	680	2,370	3,520	3.1	10.1	16.1	3.78	A++	8.00	391
		7	9	9	18		1,480	1,850	1,850	3,700		2,760	8,880	10,740	690	2,340	3,640	3.2	10.0	16.7	3.79	A++	8.00	389
		7	9	9	24		1,340	1,680	1,680	4,560		3,200	9,260	11,000	710	2,420	3,760	3.2	10.3	17.2	3.82	A++	7.80	415
		7	9	12	12		1,530	1,910	2,680	2,680		2,550	8,800	10,740	680	2,290	3,630	3.1	9.8	16.6	3.84	A++	8.01	385
		7	9	12	18		1,400	1,750	2,450	3,500		3,150	9,100	10,900	700	2,410	3,700	3.2	10.3	16.9	3.78	A++	7.78	409
		7	9	12	24		1,280	1,600	2,240	4,350		3,240	9,470	11,000	720	2,530	3,770	3.3	10.8	17.3	3.75	A++	7.79	425
		7	9	18	18		1,300	1,620	3,240	3,240		3,200	9,400	11,000	710	2,510	3,760	3.2	10.7	17.2	3.75	A++	7.79	422
		7	9	18	24		1,200	1,500	3,010	4,090		3,290	9,800	11,000	730	2,630	3,780	3.3	11.2	17.3	3.73	A++	7.80	440
		7	12	12	12		1,440	2,520	2,520	2,520		2,760	9,000	10,900	690	2,340	3,690	3.2	10.0	16.9	3.84	A++	8.02	393
		7	12	12	18		1,330	2,330	2,330	3,330		3,150	9,320	11,000	700	2,470	3,750	3.2	10.5	17.2	3.78	A++	7.79	418
		7	12	12	24		1,240	2,170	2,170	4,220		3,240	9,800	11,000	720	2,630	3,770	3.3	11.2	17.3	3.73	A++	7.80	440
		7	12	18	18		1,270	2,210	3,160	3,160		3,240	9,800	11,000	720	2,630	3,770	3.3	11.2	17.3	3.73	A++	7.80	440
		7	12	18	24		1,140	1,980	2,830	3,850		3,330	9,800	11,000	740	2,630	3,790	3.4	11.2	17.3	3.73	A++	7.80	440
		7	18	18	18		1,160	2,880	2,880	2,880		3,290	9,800	11,000	730	2,630	3,780	3.3	11.2	17.3	3.73	A++	7.80	440
		9	9	9	9		2,210	2,210	2,210	2,210		2,510	8,840	10,270	670	2,330	3,460	3.1	9.9	15.8	3.80	A++	8.00	387
		9	9	9	12		1,980	1,980	1,980	2,770		2,550	8,710	10,430	680	2,290	3,520	3.1	9.8	16.1	3.80	A++	7.99	381
		9	9	9	18		1,800	1,800	1,800	3,600		2,760	9,000	10,900	690	2,390	3,690	3.2	10.2	16.9	3.76	A++	7.72	408
		9	9	9	24		1,640	1,640	1,640	4,460		3,200	9,380	11,000	710	2,520	3,760	3.2	10.7	17.2	3.72	A++	7.78	422
		9	9	12	12		1,850	1,850	2,600	2,600		2,720	8,900	10,740	680	2,350	3,630	3.1	10.0	16.6	3.78	A++	8.00	390
		9	9	12	18		1,700	1,700	2,390	3,410		3,150	9,200	11,000	700	2,430	3,750	3.2	10.4	17.2	3.78	A++	7.79	413
		9	9	12	24		1,600	1,600	2,240	4,360		3,240	9,800	11,000	720	2,630	3,770	3.3	11.2	17.3	3.73	A++	7.80	440
		9	9	18	18		1,630	1,630	3,270	3,270		3,200	9,800	11,000	710	2,630	3,760	3.2	11.2	17.2	3.73	A++	7.80	440
		9	9	18	24		1,460	1,460	2,920	3,960		3,290	9,800	11,000	730	2,630	3,780	3.3	11.2	17.3	3.73	A++	7.80	440
		9	12	12	12		1,750	2,450	2,450	2,450		3,110	9,100	10,900	690	2,430	3,690	3.2	10.4	16.9	3.74	A++	8.00	398
		9	12	12	18		1,620	2,270	2,270	3,240		3,150	9,400	11,000	700	2,520	3,750	3.2	10.7	17.2	3.73	A++	7.79	423
		9	12	12	24		1,510	2,100	2,100	4,090		3,240	9,800	11,000	720	2,630	3,770	3.3	11.2	17.3	3.73	A++	7.80	440
		9	12	18	18		1,540	2,140	3,060	3,060		3,240	9,800	11,000	720	2,630	3,770	3.3	11.2	17.3	3.73	A++	7.80	440
		12	12	12	12		2,330	2,330	2,330	2,330		3,110	9,320	11,000	690	2,830	3,740	3.2	12.1	17.1	3.29	A++	7.79	419
		12	12	12	18		2,210	2,210	2,210	3,170		3,200	9,800	11,000	710	2,630	3,760	3.2	11.2	17.2	3.73	A++	7.80	440
		12	12	12	24		1,980	1,980	1,980	3,860		3,290	9,800	11,000	730	2,630	3,780	3.2	11.2	17.3	3.73	A++	7.80	440
		12	12	18	18		2,020	2,020	2,880	2,880		3,240	9,800	11,000	720	2,630	3,770	3.3	11.2	17.3	3.73	A++	7.80	440

Combination guide

4-6. AJ100TXJ5KG/EU

Outdoor Unit		A	B	C	D	E	Cooling Capacity					Capacity			Power Consumption			Current			Effic. NOM. Cooling at 35 °C/27 °C	Seasonal Efficiency (According to EN14825)	SEER	Qce
							W					W			W			A						
							A	B	C	D	E	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX				
AJ100TXJ5KG	5 Unit	7	7	7	7	7	1,900	1,900	1,900	1,900	1,900	2,630	9,500	10,270	700	2,570	3,490	3.2	11.5	16.0	3.69	A++	7.78	427
		7	7	7	7	9	1,820	1,820	1,820	1,820	2,270	2,630	9,550	10,430	700	2,600	3,550	3.2	11.6	16.2	3.68	A++	7.78	430
		7	7	7	7	12	1,680	1,680	1,680	1,680	2,940	2,660	9,660	10,740	710	2,630	3,650	3.2	11.7	16.7	3.68	A++	7.78	434
		7	7	7	7	18	1,540	1,540	1,540	1,540	3,840	3,240	10,000	10,900	720	2,750	3,720	3.3	12.2	17.0	3.64	A++	7.79	449
		7	7	7	7	24	1,350	1,350	1,350	1,350	4,600	3,330	10,000	11,000	740	2,750	3,790	3.4	12.2	17.3	3.64	A++	7.79	449
		7	7	7	9	9	1,750	1,750	1,750	2,180	2,180	2,630	9,610	10,430	700	2,610	3,550	3.2	11.6	16.2	3.68	A++	7.78	432
		7	7	7	9	12	1,620	1,620	1,620	2,020	2,830	2,840	9,710	10,740	710	2,670	3,650	3.2	11.9	16.7	3.64	A++	7.77	437
		7	7	7	9	18	1,480	1,480	1,480	1,860	3,700	3,240	10,000	11,000	720	2,730	3,770	3.3	12.1	17.3	3.66	A++	7.79	449
		7	7	7	9	24	1,310	1,310	1,310	1,630	4,440	3,330	10,000	11,000	740	2,730	3,790	3.4	12.1	17.3	3.66	A++	7.79	449
		7	7	7	12	12	1,540	1,540	1,540	2,690	2,690	3,200	10,000	10,900	710	2,750	3,710	3.2	12.2	17.0	3.64	A++	7.79	449
		7	7	7	12	18	1,380	1,380	1,380	2,410	3,450	3,290	10,000	11,000	730	2,760	3,780	3.3	12.3	17.3	3.62	A++	7.78	450
		7	7	7	12	24	1,230	1,230	1,230	2,150	4,160	3,380	10,000	11,000	750	2,760	3,800	3.4	12.3	17.4	3.62	A++	7.78	450
		7	7	7	18	18	1,240	1,240	1,240	3,140	3,140	3,330	10,000	11,000	740	2,760	3,790	3.4	12.3	17.3	3.62	A++	7.78	450
		7	7	9	9	9	1,680	1,680	2,100	2,100	2,100	2,630	9,660	10,740	700	2,630	3,650	3.2	11.7	16.7	3.68	A++	7.78	434
		7	7	9	9	12	1,600	1,600	2,000	2,000	2,800	2,840	10,000	10,900	710	2,750	3,710	3.2	12.2	17.0	3.64	A++	7.79	449
		7	7	9	9	18	1,430	1,430	1,790	1,790	3,560	3,240	10,000	11,000	720	2,760	3,770	3.3	12.3	17.3	3.62	A++	7.78	450
		7	7	9	9	24	1,270	1,270	1,580	1,580	4,300	3,330	10,000	11,000	740	2,760	3,790	3.4	12.3	17.3	3.62	A++	7.78	450
		7	7	9	12	12	1,480	1,480	1,860	2,590	2,590	3,200	10,000	11,000	710	2,750	3,760	3.2	12.2	17.2	3.64	A++	7.79	449
		7	7	9	12	18	1,330	1,330	1,680	2,330	3,330	3,290	10,000	11,000	730	2,780	3,780	3.3	12.3	17.3	3.60	A++	7.78	450
		7	7	9	12	24	1,190	1,190	1,490	2,080	4,050	3,380	10,000	11,000	750	2,780	3,800	3.4	12.3	17.4	3.60	A++	7.78	450
		7	7	9	18	18	1,210	1,210	1,520	3,030	3,030	3,330	10,000	11,000	740	2,780	3,790	3.4	12.3	17.3	3.60	A++	7.78	450
		7	7	12	12	12	1,370	1,370	2,420	2,420	2,420	3,240	10,000	11,000	720	2,750	3,770	3.3	12.2	17.3	3.64	A++	7.79	449
		7	7	12	12	18	1,250	1,250	2,190	2,190	3,120	3,290	10,000	11,000	730	2,760	3,780	3.3	12.3	17.3	3.62	A++	7.78	450
		7	9	9	9	9	1,620	2,020	2,020	2,020	2,020	2,800	9,700	10,740	700	2,610	3,650	3.2	11.6	16.7	3.71	A++	7.79	436
		7	9	9	9	12	1,550	1,920	1,920	1,920	2,690	3,200	10,000	10,900	710	2,750	3,710	3.2	12.2	17.0	3.64	A++	7.79	449
		7	9	9	9	18	1,390	1,720	1,720	1,720	3,450	3,240	10,000	11,000	720	2,760	3,770	3.3	12.3	17.3	3.62	A++	7.78	450
		7	9	9	9	24	1,240	1,530	1,530	1,530	4,170	3,330	10,000	11,000	740	2,760	3,790	3.4	12.3	17.3	3.62	A++	7.78	450
		7	9	9	12	12	1,440	1,790	1,790	2,490	2,490	3,200	10,000	11,000	710	2,720	3,760	3.2	12.1	17.2	3.68	A++	7.78	434
		7	9	9	12	18	1,290	1,610	1,610	2,260	3,230	3,290	10,000	11,000	730	2,760	3,780	3.3	12.3	17.3	3.62	A++	7.78	450
		7	9	9	12	24	1,160	1,450	1,450	2,020	3,920	3,380	10,000	11,000	750	2,760	3,800	3.4	12.3	17.4	3.62	A++	7.78	450
		7	9	9	18	18	1,180	1,470	1,470	2,940	2,940	3,330	10,000	11,000	740	2,780	3,790	3.4	12.3	17.3	3.60	A++	7.78	450
		7	9	12	12	12	1,340	1,670	2,330	2,330	2,330	3,240	10,000	11,000	720	2,750	3,770	3.3	12.2	17.3	3.64	A++	7.79	449
		7	9	12	12	18	1,210	1,520	2,120	2,120	3,030	3,290	10,000	11,000	730	2,750	3,780	3.3	12.2	17.3	3.64	A++	7.79	449
		7	12	12	12	12	1,240	2,190	2,190	2,190	2,190	3,240	10,000	11,000	720	2,750	3,770	3.3	12.2	17.3	3.64	A++	7.79	449
		9	9	9	9	9	2,000	2,000	2,000	2,000	2,000	3,000	10,000	11,000	700	2,750	3,700	3.2	12.2	16.9	3.64	A++	7.79	449
		9	9	9	9	12	1,850	1,850	1,850	1,850	2,600	3,200	10,000	11,000	710	2,750	3,760	3.2	12.2	17.2	3.64	A++	7.79	449
		9	9	9	9	18	1,670	1,670	1,670	1,670	3,320	3,240	10,000	11,000	720	2,760	3,770	3.3	12.3	17.3	3.62	A++	7.78	450
		9	9	9	9	24	1,490	1,490	1,490	1,490	4,040	3,330	10,000	11,000	740	2,760	3,790	3.4	12.3	17.3	3.62	A++	7.78	450
		9	9	9	12	12	1,720	1,720	1,720	2,420	2,420	3,200	10,000	11,000	710	2,750	3,760	3.2	12.2	17.2	3.64	A++	7.79	449
		9	9	9	12	18	1,560	1,560	1,560	2,190	3,130	3,290	10,000	11,000	730	2,760	3,780	3.3	12.3	17.3	3.62	A++	7.78	450
		9	9	12	12	12	1,610	1,610	2,260	2,260	2,260	3,240	10,000	11,000	720	2,750	3,770	3.3	12.2	17.3	3.64	A++	7.79	449
		9	9	12	12	18	1,470	1,470	2,060	2,060	2,940	3,290	10,000	11,000	730	2,760	3,780	3.3	12.3	17.3	3.62	A++	7.78	450
		9	12	12	12	12	1,520	2,120	2,120	2,120	2,120	3,240	10,000	11,000	720	2,750	3,770	3.3	12.2	17.3	3.64	A++	7.79	449

Heating

Outdoor Unit		A	B	C	D	E	Heating Capacity					Capacity			Power Consumption			Current			Effic. NOM. Heating at 7 °C/ 20 °C COP¹	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kW	Qhe kWh
							W					W			W			A							
							A	B	C	D	E	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					
AJ100TXJ5KG	2 Unit	7	7				2,200	2,200				1,240	4,400	5,530	460	1,070	1,520	2.1	4.6	7.0	4.10	A+	4.16	3.05	1,028
		7	9				2,200	3,300				1,240	5,500	6,790	460	1,360	1,850	2.1	5.8	8.5	4.05	A+	4.15	4.21	1,418
		7	12				2,200	4,000				1,270	6,200	7,580	470	1,490	2,060	2.2	6.3	9.4	4.15	A+	4.19	4.91	1,638
		7	18				2,200	6,000				1,300	8,200	10,110	480	2,010	2,750	2.2	8.6	12.6	4.08	A+	4.09	5.88	2,010
		7	24				2,200	7,800				1,500	10,000	12,480	500	2,490	3,390	2.3	10.6	15.5	4.01	A+	4.03	7.70	2,671
		9	9				3,300	3,300				1,240	6,600	8,220	460	1,630	2,230	2.1	6.9	10.2	4.06	A+	4.19	4.91	1,638
		9	12				3,300	4,000				1,270	7,300	9,010	470	1,810	2,440	2.2	7.7	11.2	4.04	A+	4.19	4.91	1,638
		9	18				3,300	6,000				1,300	9,300	11,690	480	2,320	3,160	2.2	9.9	14.5	4.01	A+	4.03	7.70	2,671
		9	24				3,150	7,450				1,500	10,600	13,110	500	2,640	3,560	2.3	11.2	16.3	4.02	A+	4.03	7.70	2,671
		12	12				4,000	4,000				1,270	8,000	9,800	470	1,940	2,650	2.2	8.3	12.1	4.13	A+	4.19	4.91	1,638
		12	18				4,000	6,000				1,470	10,000	12,320	490	2,490	3,330	2.2	10.6	15.2	4.01	A+	4.03	7.70	2,671
		12	24				3,590	7,010				1,530	10,600	13,110	510	2,670	3,560	2.3	11.4	16.3	3.97	A+	4.03	7.70	2,671
		18	18				5,300	5,300				1,650	10,600	13,110	500	2,660	3,560	2.3	11.3	16.3	3.99	A+	4.03	7.70	2,671
		18	24				4,610	5,990				1,820	10,600	13,110	520	2,640	3,580	2.4	11.2	16.4	4.02	A+	4.03	7.70	2,671
	24	24				5,300	5,300				2,160	10,600	12,960	540	2,640	3,560	2.5	11.2	16.3	4.02	A+	4.03	7.70	2,671	
	3 Unit	7	7	7			2,200	2,200	2,200			1,320	6,600	7,580	490	1,590	2,090	2.2	6.8	9.6	4.14	A+	4.18	5.65	1,893
		7	7	9			2,200	2,200	3,300			1,320	7,700	9,010	490	1,850	2,460	2.2	7.9	11.3	4.17	A+	4.18	5.65	1,893
		7	7	12			2,200	2,200	4,000			1,350	8,400	9,800	500	2,030	2,680	2.3	8.6	12.3	4.14	A+	4.23	5.88	1,939
		7	7	18			2,050	2,050	5,590			1,530	9,690	12,170	510	2,380	3,320	2.3	10.1	15.2	4.08	A+	4.25	7.91	2,607
		7	7	24			1,780	1,780	6,300			1,750	9,860	12,170	530	2,420	3,340	2.4	10.3	15.3	4.08	A+	4.25	7.91	2,607
		7	9	9			2,200	3,300	3,300			1,320	8,800	10,740	490	2,110	2,920	2.2	9.0	13.4	4.18	A+	4.23	5.88	1,939
		7	9	12			2,200	3,300	4,000			1,350	9,500	11,380	500	2,350	3,090	2.3	10.0	14.1	4.05	A+	4.25	7.91	2,607
		7	9	18			1,870	2,810	5,110			1,530	9,790	11,850	510	2,400	3,230	2.3	10.2	14.8	4.08	A+	4.25	7.91	2,607
		7	9	24			1,650	2,470	5,850			1,860	9,970	12,170	530	2,440	3,340	2.4	10.4	15.3	4.08	A+	4.25	7.91	2,607
		7	12	12			2,090	3,790	3,790			1,500	9,670	12,170	500	2,370	3,310	2.3	10.1	15.1	4.08	A+	4.25	7.91	2,607
		7	12	18			1,780	3,230	4,850			1,720	9,860	12,170	520	2,420	3,320	2.4	10.3	15.2	4.07	A+	4.25	7.91	2,607
		7	12	24			1,580	2,870	5,590			1,890	10,040	12,320	540	2,440	3,380	2.5	10.4	15.5	4.11	A+	4.25	7.91	2,607
		7	18	18			1,560	4,250	4,250			1,860	10,060	12,320	530	2,450	3,380	2.4	10.4	15.5	4.10	A+	4.25	7.91	2,607
		7	18	24			1,490	4,050	5,270			2,200	10,810	12,800	550	2,610	3,520	2.5	11.1	16.1	4.14	A+	4.25	7.91	2,607
		7	24	24			1,360	4,820	4,820			2,280	11,000	12,960	570	2,640	3,590	2.6	11.2	16.4	4.16	A+	4.25	7.91	2,607
		9	9	9			3,210	3,210	3,210			1,470	9,630	11,850	490	2,360	3,210	2.2	10.1	14.7	4.08	A+	4.23	5.88	1,939
		9	9	12			3,020	3,020	3,660			1,500	9,700	11,530	500	2,340	3,140	2.3	10.0	14.4	4.15	A+	4.25	7.91	2,607
		9	9	18			2,590	2,590	4,710			1,680	9,890	12,320	510	2,410	3,360	2.3	10.3	15.4	4.11	A+	4.25	7.91	2,607
		9	9	24			2,440	2,440	5,770			1,860	10,650	12,480	530	2,620	3,420	2.4	11.2	15.7	4.07	A+	4.25	7.91	2,607
		9	12	12			2,850	3,460	3,460			1,500	9,770	11,850	500	2,340	3,220	2.3	10.0	14.7	4.17	A+	4.25	7.91	2,607
		9	12	18			2,470	3,000	4,500			1,820	9,970	12,170	520	2,410	3,320	2.4	10.3	15.2	4.14	A+	4.25	7.91	2,607
		9	12	24			2,340	2,840	5,540			1,890	10,720	12,480	540	2,650	3,430	2.5	11.3	15.7	4.05	A+	4.25	7.91	2,607
		9	18	18			2,320	4,210	4,210			1,860	10,740	12,480	530	2,650	3,420	2.4	11.3	15.7	4.05	A+	4.25	7.91	2,607
		9	18	24			2,120	3,860	5,020			2,200	11,000	12,960	550	2,700	3,570	2.5	11.5	16.3	4.08	A+	4.25	7.91	2,607
		9	24	24			1,920	4,540	4,540			2,280	11,000	13,110	570	2,290	3,630	2.6	9.8	16.6	4.80	A+	4.25	7.91	2,607
		12	12	12			3,280	3,280	3,280			1,680	9,840	12,170	510	2,350	3,310	2.3	10.0	15.1	4.18	A+	4.25	7.91	2,607
		12	12	18			2,870	2,870	4,300			1,820	10,040	12,320	520	2,440	3,370	2.4	10.4	15.4	4.11	A+	4.25	7.91	2,607
		12	12	24			2,730	2,730	5,330			2,160	10,790	12,800	540	2,610	3,510	2.5	11.1	16.1	4.13	A+	4.25	7.91	2,607
		12	18	18			2,700	4,050	4,050			2,160	10,800	12,800	540	2,610	3,510	2.5	11.1	16.1	4.14	A+	4.25	7.91	2,607
		12	18	24			2,470	3,710	4,820			2,240	11,000	12,960	560	2,660	3,570	2.6	11.3	16.3	4.13	A+	4.25	7.91	2,607
		12	24	24			2,240	4,380	4,380			2,320	11,000	13,430	580	2,660	3,720	2.7	11.3	17.0	4.13	A+	4.25	7.91	2,607
		18	18	18			3,660	3,670	3,670			2,200	11,000	12,960	550	2,660	3,570	2.5	11.3	16.3	4.13	A+	4.25	7.91	2,607
		18	18	24			3,330	3,330	4,340			2,280	11,000	13,430	570	2,660	3,710	2.6	11.3	17.0	4.13	A+	4.25	7.91	2,607

Combination guide

Outdoor Unit		A	B	C	D	E	Heating Capacity					Capacity			Power Consumption			Current			Effic. NOM. Heating at 7 °C/ 20 °C COP¹	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kW	Qhe kWh
							W					W			W			A							
							A	B	C	D	E	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					
AJ100TXJ5KG	4 Unit	7	7	7	7		2,200	2,200	2,200	2,200		1,400	8,800	9,800	520	2,110	2,700	2.4	9.0	12.4	4.18	A+	4.25	791	2,607
		7	7	7	9		2,140	2,140	2,140	3,210		1,560	9,630	11,380	520	2,320	3,120	2.4	9.9	14.3	4.15	A+	4.25	791	2,607
		7	7	7	12		2,010	2,010	2,010	3,660		1,590	9,690	12,170	530	2,330	3,330	2.4	9.9	15.2	4.15	A+	4.25	791	2,607
		7	7	7	18		1,730	1,730	1,730	4,710		1,780	9,900	12,170	540	2,410	3,350	2.5	10.3	15.3	4.11	A+	4.25	791	2,607
		7	7	7	24		1,630	1,630	1,630	5,770		1,960	10,660	12,320	560	2,620	3,410	2.6	11.2	15.6	4.07	A+	4.25	791	2,607
		7	7	9	9		1,950	1,950	2,920	2,920		1,560	9,740	11,530	520	2,350	3,160	2.4	10.0	14.5	4.15	A+	4.25	791	2,607
		7	7	9	12		1,840	1,840	2,760	3,350		1,590	9,790	11,850	530	2,390	3,250	2.4	10.2	14.9	4.09	A+	4.25	791	2,607
		7	7	9	18		1,610	1,610	2,410	4,380		1,890	10,010	12,170	540	2,440	3,350	2.5	10.4	15.3	4.11	A+	4.25	791	2,607
		7	7	9	24		1,530	1,530	2,290	5,410		1,960	10,760	12,480	560	2,620	3,450	2.6	11.2	15.8	4.10	A+	4.25	791	2,607
		7	7	12	12		1,750	1,750	3,190	3,190		1,750	9,880	12,170	530	2,360	3,340	2.4	10.1	15.3	4.19	A+	4.25	791	2,607
		7	7	12	18		1,630	1,630	2,960	4,440		1,930	10,660	12,320	550	2,610	3,390	2.5	11.1	15.5	4.09	A+	4.25	791	2,607
		7	7	12	24		1,470	1,470	2,670	5,210		2,280	10,820	12,800	570	2,630	3,540	2.6	11.2	16.2	4.11	A+	4.25	791	2,607
		7	7	18	18		1,460	1,460	3,970	3,970		2,240	10,860	12,800	560	2,640	3,530	2.6	11.2	16.2	4.11	A+	4.25	791	2,607
		7	7	18	24		1,330	1,330	3,630	4,710		2,320	11,000	12,960	580	2,680	3,600	2.7	11.4	16.5	4.10	A+	4.25	791	2,607
		7	9	9	9		1,790	2,690	2,690	2,690		1,720	9,860	12,170	520	2,390	3,330	2.4	10.2	15.2	4.13	A+	4.25	791	2,607
		7	9	9	12		1,710	2,560	2,560	3,100		1,750	9,930	12,320	530	2,410	3,370	2.4	10.3	15.4	4.12	A+	4.25	791	2,607
		7	9	9	18		1,590	2,380	2,380	4,330		1,890	10,680	12,480	540	2,620	3,430	2.5	11.2	15.7	4.08	A+	4.25	791	2,607
		7	9	9	24		1,440	2,160	2,160	5,100		2,240	10,860	12,960	560	2,670	3,580	2.6	11.4	16.4	4.07	A+	4.25	791	2,607
		7	9	12	12		1,630	2,440	2,960	2,960		1,860	9,990	12,170	530	2,440	3,340	2.4	10.4	15.3	4.10	A+	4.25	791	2,607
		7	9	12	18		1,530	2,290	2,780	4,170		1,930	10,770	12,480	550	2,640	3,440	2.5	11.2	15.7	4.08	A+	4.25	791	2,607
		7	9	12	24		1,400	2,100	2,540	4,960		2,280	11,000	12,960	570	2,680	3,580	2.6	11.4	16.4	4.11	A+	4.25	791	2,607
		7	9	18	18		1,390	2,070	3,770	3,770		2,240	11,000	12,960	560	2,680	3,580	2.6	11.4	16.4	4.11	A+	4.25	791	2,607
		7	9	18	24		1,250	1,880	3,420	4,450		2,320	11,000	13,110	580	2,680	3,640	2.7	11.4	16.7	4.11	A+	4.25	791	2,607
		7	12	12	12		1,560	2,830	2,830	2,830		1,890	10,050	12,320	540	2,420	3,380	2.5	10.3	15.5	4.15	A+	4.25	791	2,607
		7	12	12	18		1,470	2,670	2,670	4,010		2,200	10,820	12,800	550	2,650	3,520	2.5	11.3	16.1	4.08	A+	4.25	791	2,607
		7	12	12	24		1,350	2,440	2,440	4,770		2,280	11,000	12,960	570	2,680	3,590	2.6	11.4	16.4	4.11	A+	4.25	791	2,607
		7	12	18	18		1,330	2,410	3,630	3,630		2,280	11,000	12,960	570	2,680	3,580	2.6	11.4	16.4	4.11	A+	4.25	791	2,607
		7	12	18	24		1,210	2,200	3,300	4,290		2,360	11,000	13,430	590	2,680	3,730	2.7	11.4	17.1	4.11	A+	4.25	791	2,607
		7	18	18	18		1,190	3,270	3,270	3,270		2,320	11,000	13,430	580	2,680	3,720	2.7	11.4	17.0	4.11	A+	4.25	791	2,607
		9	9	9	9		2,490	2,490	2,490	2,490		1,820	9,960	12,480	520	2,310	3,410	2.4	9.8	15.6	4.32	A+	4.32	791	2,564
		9	9	9	12		2,380	2,380	2,380	2,880		1,860	10,020	12,320	530	2,340	3,370	2.4	10.0	15.4	4.28	A+	4.25	791	2,607
		9	9	9	18		2,240	2,240	2,240	4,080		2,160	10,800	12,800	540	2,610	3,510	2.5	11.1	16.1	4.14	A+	4.25	791	2,607
		9	9	9	24		2,050	2,050	2,050	4,850		2,240	11,000	12,960	560	2,680	3,580	2.6	11.4	16.4	4.11	A+	4.25	791	2,607
		9	9	12	12		2,410	2,410	2,920	2,920		1,860	10,660	12,480	530	2,510	3,420	2.4	10.7	15.7	4.24	A+	4.25	791	2,607
		9	9	12	18		2,160	2,160	2,620	3,930		2,200	10,870	12,960	550	2,630	3,560	2.5	11.2	16.3	4.13	A+	4.25	791	2,607
		9	9	12	24		1,970	1,970	2,400	4,660		2,280	11,000	13,110	570	2,680	3,620	2.6	11.4	16.6	4.11	A+	4.25	791	2,607
		9	9	18	18		1,950	1,950	3,550	3,550		2,240	11,000	13,110	560	2,680	3,620	2.6	11.4	16.6	4.11	A+	4.25	791	2,607
		9	9	18	24		1,780	1,780	3,240	4,200		2,320	11,000	13,590	580	2,680	3,760	2.7	11.4	17.2	4.11	A+	4.25	791	2,607
		9	12	12	12		2,320	2,810	2,810	2,810		1,890	10,750	12,480	540	2,600	3,430	2.5	11.1	15.7	4.13	A+	4.25	791	2,607
		9	12	12	18		2,100	2,540	2,540	3,820		2,200	11,000	12,960	550	2,680	3,570	2.5	11.4	16.3	4.11	A+	4.25	791	2,607
		9	12	12	24		1,910	2,300	2,300	4,490		2,280	11,000	13,110	570	2,680	3,630	2.6	11.4	16.6	4.11	A+	4.25	791	2,607
		9	12	18	18		1,880	2,280	3,420	3,420		2,280	11,000	13,110	570	2,680	3,620	2.6	11.4	16.6	4.11	A+	4.25	791	2,607
		12	12	12	12		2,700	2,700	2,700	2,700		2,160	10,800	12,800	540	2,610	3,510	2.5	11.1	16.1	4.14	A+	4.25	791	2,607
		12	12	12	18		2,440	2,440	2,440	3,680		2,240	11,000	12,960	560	2,680	3,570	2.6	11.4	16.3	4.11	A+	4.25	791	2,607
		12	12	12	24		2,220	2,220	2,220	4,340		2,320	11,000	13,430	580	2,680	3,720	2.7	11.4	17.0	4.11	A+	4.25	791	2,607
		12	12	18	18		2,200	2,200	3,300	3,300		2,280	11,000	13,430	570	2,680	3,710	2.6	11.4	17.0	4.11	A+	4.25	791	2,607

Outdoor Unit		A	B	C	D	E	Heating Capacity					Capacity			Power Consumption			Current			Effic. NOM. Heating at 7 °C/ 20 °C COP ¹	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kW	Qhe kWh
							W					W			W			A							
							A	B	C	D	E	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					
AJ100TXJ5KG	5 Unit	7	7	7	7	7	2,200	2,200	2,200	2,200	2,200	1,650	11,000	13,110	550	2,560	3,610	2.5	11.7	16.5	4.30	A+	4.25	791	2,607
		7	7	7	7	9	2,080	2,080	2,080	2,080	3,120	1,820	11,440	12,960	550	2,670	3,570	2.5	12.2	16.3	4.28	A+	4.25	791	2,607
		7	7	7	7	12	1,990	1,990	1,990	1,990	3,620	1,850	11,580	13,110	560	2,720	3,610	2.6	12.4	16.5	4.26	A+	4.25	791	2,607
		7	7	7	7	18	1,710	1,710	1,710	1,710	4,660	2,000	11,500	13,430	570	2,700	3,710	2.6	12.3	17.0	4.26	A+	4.25	791	2,607
		7	7	7	7	24	1,580	1,580	1,580	1,580	5,610	2,360	11,930	13,750	590	2,810	3,810	2.7	12.8	17.4	4.24	A+	4.25	791	2,607
		7	7	7	9	9	1,950	1,950	1,950	2,930	2,930	1,930	11,710	13,430	550	2,750	3,690	2.5	12.5	16.9	4.26	A+	4.25	791	2,607
		7	7	7	9	12	1,880	1,880	1,880	2,820	3,420	1,960	11,880	13,110	560	2,800	3,610	2.6	12.7	16.5	4.24	A+	4.25	791	2,607
		7	7	7	9	18	1,630	1,630	1,630	2,440	4,450	2,280	11,780	13,590	570	2,790	3,750	2.6	12.7	17.2	4.22	A+	4.25	791	2,607
		7	7	7	9	24	1,490	1,490	1,490	2,240	5,290	2,360	12,000	13,900	590	2,820	3,860	2.7	12.8	17.7	4.26	A+	4.25	791	2,607
		7	7	7	12	12	1,730	1,730	1,730	3,140	3,140	1,960	11,470	13,430	560	2,680	3,700	2.6	12.2	16.9	4.28	A+	4.25	791	2,607
		7	7	7	12	18	1,580	1,580	1,580	2,880	4,320	2,320	11,940	13,750	580	2,830	3,800	2.7	12.9	17.4	4.22	A+	4.25	791	2,607
		7	7	7	12	24	1,430	1,430	1,430	2,620	5,090	2,400	12,000	14,000	600	2,830	3,940	2.7	12.9	18.0	4.24	A+	4.25	791	2,607
		7	7	7	18	18	1,420	1,420	1,420	3,870	3,870	2,360	12,000	14,000	590	2,830	3,940	2.7	12.9	18.0	4.24	A+	4.25	791	2,607
		7	7	9	9	9	1,840	1,840	2,760	2,760	2,760	1,930	11,960	13,430	550	2,810	3,690	2.5	12.8	16.9	4.26	A+	4.25	791	2,607
		7	7	9	9	12	1,690	1,690	2,540	2,540	3,080	1,960	11,540	13,590	560	2,700	3,740	2.6	12.3	17.1	4.28	A+	4.25	791	2,607
		7	7	9	9	18	1,550	1,550	2,330	2,330	4,240	2,280	12,000	13,900	570	2,820	3,840	2.6	12.8	17.6	4.26	A+	4.25	791	2,607
		7	7	9	9	24	1,400	1,400	2,110	2,110	4,980	2,360	12,000	14,000	590	2,820	3,940	2.7	12.8	18.0	4.26	A+	4.25	791	2,607
		7	7	9	12	12	1,640	1,640	2,470	2,990	2,990	2,240	11,730	13,590	560	2,750	3,740	2.6	12.5	17.1	4.26	A+	4.25	791	2,607
		7	7	9	12	18	1,490	1,490	2,240	2,710	4,070	2,320	12,000	13,900	580	2,840	3,840	2.7	12.9	17.6	4.22	A+	4.25	791	2,607
		7	7	9	12	24	1,350	1,350	2,040	2,460	4,800	2,400	12,000	14,000	600	2,840	3,940	2.7	12.9	18.0	4.22	A+	4.25	791	2,607
		7	7	9	18	18	1,340	1,340	2,020	3,650	3,650	2,360	12,000	14,000	590	2,840	3,940	2.7	12.9	18.0	4.22	A+	4.25	791	2,607
		7	7	12	12	12	1,600	1,600	2,900	2,900	2,900	2,280	11,900	13,750	570	2,780	3,790	2.6	12.6	17.3	4.28	A+	4.25	791	2,607
		7	7	12	12	18	1,430	1,430	2,610	2,610	3,920	2,320	12,000	14,000	580	2,840	3,930	2.7	12.9	18.0	4.22	A+	4.25	791	2,607
		7	9	9	9	9	1,670	2,500	2,500	2,500	2,500	1,930	11,670	13,590	550	2,720	3,730	2.5	12.4	17.1	4.29	A+	4.25	791	2,607
		7	9	9	9	12	1,620	2,420	2,420	2,420	2,940	2,240	11,820	13,750	560	2,760	3,780	2.6	12.6	17.3	4.28	A+	4.25	791	2,607
		7	9	9	9	18	1,460	2,190	2,190	2,190	3,970	2,280	12,000	14,000	570	2,830	3,920	2.6	12.9	17.9	4.24	A+	4.25	791	2,607
		7	9	9	9	24	1,330	1,990	1,990	1,990	4,700	2,360	12,000	14,000	590	2,830	3,940	2.7	12.9	18.0	4.24	A+	4.25	791	2,607
		7	9	9	12	12	1,570	2,350	2,360	2,860	2,860	2,240	12,000	13,900	560	2,820	3,830	2.6	12.8	17.5	4.26	A+	4.25	791	2,607
		7	9	9	12	18	1,400	2,110	2,110	2,550	3,830	2,320	12,000	14,000	580	2,870	3,920	2.7	13.0	17.9	4.18	A+	4.25	791	2,607
		7	9	9	12	24	1,290	1,920	1,920	2,330	4,540	2,400	12,000	14,000	600	2,870	3,940	2.7	13.0	18.0	4.18	A+	4.25	791	2,607
		7	9	9	18	18	1,280	1,900	1,900	3,460	3,460	2,360	12,000	14,000	590	2,860	3,940	2.7	13.0	18.0	4.20	A+	4.25	791	2,607
		7	9	12	12	12	1,520	2,260	2,740	2,740	2,740	2,280	12,000	13,900	570	2,850	3,830	2.6	12.9	17.5	4.21	A+	4.25	791	2,607
		7	9	12	12	18	1,360	2,030	2,460	2,460	3,690	2,320	12,000	14,000	580	2,850	3,930	2.7	12.9	18.0	4.21	A+	4.25	791	2,607
		7	12	12	12	12	1,440	2,640	2,640	2,640	2,640	2,280	12,000	14,000	570	2,830	3,920	2.6	12.9	17.9	4.24	A+	4.25	791	2,607
		9	9	9	9	9	2,400	2,400	2,400	2,400	2,400	3,400	12,000	14,000	550	2,820	3,900	2.5	12.8	17.8	4.26	A+	4.25	791	2,607
		9	9	9	9	12	2300	2300	2300	2300	2,800	2,240	12,000	13,900	560	2,820	3,820	2.6	12.8	17.5	4.25	A+	4.25	791	2,607
		9	9	9	9	18	2,060	2,060	2,060	2,060	3,760	2,280	12,000	14,000	570	2,840	3,920	2.6	12.9	17.9	4.23	A+	4.25	791	2,607
		9	9	9	9	24	1,890	1,890	1,890	1,890	4,440	2,360	12,000	14,000	590	2,840	3,940	2.7	12.9	18.0	4.23	A+	4.25	791	2,607
		9	9	9	9	12	2,210	2,210	2,210	2,680	2,690	2,240	12,000	14,000	560	2,840	3,910	2.6	12.9	17.9	4.23	A+	4.25	791	2,607
		9	9	9	12	18	1,990	1,990	1,990	2,410	3,620	2,320	12,000	14,000	580	2,830	3,920	2.7	12.9	17.9	4.24	A+	4.25	791	2,607
		9	9	12	12	12	2,130	2,130	2,580	2,580	2,580	2,280	12,000	14,000	570	2,840	3,910	2.6	12.9	17.9	4.23	A+	4.25	791	2,607
		9	9	12	12	18	1,920	1,920	2,330	2,330	3,500	3,400	12,000	14,000	580	2,850	3,930	2.7	12.9	18.0	4.21	A+	4.25	791	2,607
		9	12	12	12	12	2,040	2,490	2,490	2,490	2,490	2,280	12,000	14,000	570	2,850	3,920	2.6	12.9	17.9	4.21	A+	4.25	791	2,607

1. EER and COP declared only for the purpose of tax deductions in force at the time of the creation of this catalogue.

2. WindFree™ Elite: AR07TXCAAWK, AR09TXCAAWK, AR12TXCAAWK.

3. You cannot connect a single unit.

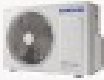
4. Power consumption includes indoor unit power.

Commercial Split



Line-up

CAC R32

Type		2.6 kW	3.5 kW	5.2 kW	7.1 kW	10 kW	12 kW	14 kW
								
360 Cassette					•	•	•	•
WindFree™ 4-Way Cassette				•	•	•	•	•
WindFree™ 4-Way 600 x 600 Cassette		•	•	•	•			
WindFree™ 1-Way Cassette		•	•					
WindFree™ Deluxe		•	•	•	•			
Max Wall-Mounted						•		
LSP Duct		•	•	•	•			
MSP Duct			•	•	•	•	•	•
Console		•	•	•				
Ceiling				•	•	•	•	•

Line-up

CAC HEE (High Energy Efficiency) R32

Type		2.6 kW	3.5 kW	5.2 kW	7.1 kW	10 kW	12 kW	14 kW
								
360 Cassette				•	•	•	•	•
WindFree™ 4-Way Cassette				•	•	•	•	•
WindFree™ 4-Way 600 x 600 Cassette		•	•	•				
WindFree™ Deluxe		•	•	•	•			
Max Wall-Mounted						•		
MSP Duct			•	•	•	•	•	•
Console		•	•					
Ceiling				•	•			

CAC R410A

Type		10 kW	14 kW	20 kW	25 kW
					
HSP Duct				•	•
Floor-Standing		•	•		

Selection guide



Model		360 Cassette	WindFree™ 4-Way 600 x 600 Cassette	WindFree™ 4-Way Cassette	WindFree™ 1-Way Cassette
Airflow	WindFree™ Cooling		•	•	•
	360 Degree Air Supply	•			
Air Purification	Long-life Filter				
Functions	Samsung SmartThings	Optional	Optional	Optional	Optional
	Wi-Fi Kit Compatibility	Optional	Optional	Optional	Optional
	Humidity Sensor		•	•	•
	MDS (Motion Detect Sensor)	Optional ¹	Optional	Optional	
Operating Mode	Quiet				
Controls	Remote Controller Included				
Others	Drain Pump Included	•	•	•	•



Model		WindFree™ Deluxe	Max Wall-Mounted
Airflow	WindFree™ Cooling	•	
	360 Degree Air Supply		
Air Purification	Long-life Filter	•	•
Functions	Samsung SmartThings	Optional	Optional
	Wi-Fi Kit Compatibility	Optional	Optional
	Humidity Sensor		
	MDS (Motion Detect Sensor)		
Operating Mode	Quiet		
Controls	Remote Controller Included	•	
Others	Drain Pump Included		



Console	Ceiling	Floor-Standing
•	•	•
Optional	Optional	Optional
Optional	Optional	Optional
		•
•	• ²	

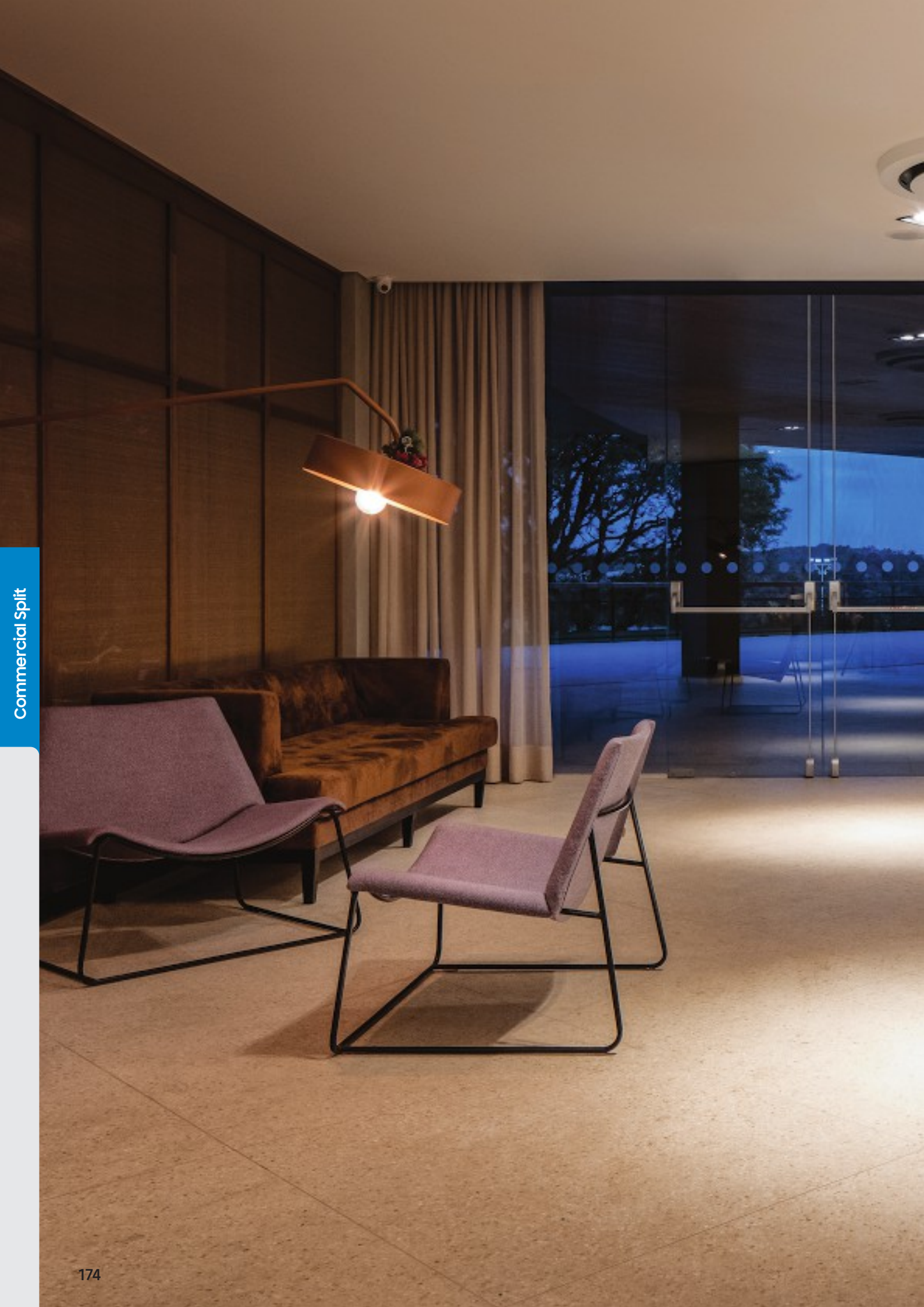
¹ MDS is optional for a Square panel.

² The remote controller is only included in the 5.2 kW and 7.1 kW ceiling unit.

Duct



LSP Duct	MSP Duct	HSP Duct
•	•	
Optional	Optional	Optional
Optional	Optional	Optional
Optional	Optional	Optional





Nomenclature

Commercial - Indoor units

AC	120	R	N	4	P	K	G	EU
1	2	3	4	5	6	7	8	

1	Classification	AC	Commercial Air Conditioner (CAC)
2	Capacity	x1/10 kW (3 digits)	
3	Year	N	2018
		R	2019
		T	2020
		B	2022
4	Product Type	N	Indoor Unit (NASA)
5	Product Notation	1	WindFree™ 1-Way Cassette
		N	WindFree™ 4-Way 600 x 600 Cassette
		4	360 Cassette, WindFree™ 4-Way Cassette, 4-Way Cassette
		L	LSP Duct
		M	MSP Duct
		C	Ceiling
		J	Console
		P	Floor-Standing
		A	Triangle Wall-Mounted
		T	Max Wall-Mounted
6	Feature	F	Flagship
		S	Standard
		D	Deluxe
		P	Premium
7	Voltage Rating	K	1Φ, 220~240 V, 50 Hz
		N	3Φ, 380~415 V, 50 Hz
8	Mode	G/H	Heat Pump

Commercial - Outdoor units

AC	120	R	X	A	D	K	G	EU
1	2	3	4	5	6	7	8	

1	Classification	AC	Commercial Air Conditioner (CAC)
2	Capacity	x 1000 Btu/h (3 digits)	
3	Year	N	2018
		R	2019
		T	2020
		B	2022
4	Product Type	X	Outdoor Unit (NASA)
5	Feature 1	A	Inverter + Side + General Temperature
		S	Inverter + Side + Low Temperature
6	Feature 2	C	Deluxe + Low Temperature
		D	Deluxe
		P	Premium
7	Voltage Rating	E	1Φ, 220~240 V, 50 Hz
		G	3Φ, 380~415 V, 50 Hz
		K	1Φ, 220~240 V, 50/60 Hz
		N	3Φ, 380~415 V, 50/60 Hz
8	Mode	G	Heat Pump (R32)
		H	Heat Pump (R410A)

Twin/Triple/Quad combinations

CAC R32

Indoor Unit		kW	Outdoor Unit			
			AC071RXADKG/EU AC071BXAPKG/EU AC071BXAPNG/EU	AC100RXADKG/EU AC100BXAPKG/EU AC100RXADNG/EU AC100BXAPNG/EU	AC120RXADKG/EU AC120BXAPKG/EU AC120RXADNG/EU AC120BXAPNG/EU	AC140RXADKG/EU AC140BXAPKG/EU AC140RXADNG/EU AC140BXAPNG/EU
360 Cassette		7.0				2
		10.0				
		12.0				
WindFree™ 4-Way Cassette		5.0		2	3	3
		7.0				2
		10.0				
		12.0				
WindFree™ 4-Way 600 x 600 Cassette		3.5	2	3	4	4
		5.0		2	3	3
		7.0				2
WindFree™ 1-Way Cassette		3.5	2*	3*	4*	4*
WindFree™ Deluxe		3.5	2	3	4	4
		5.0		2	3	3
		7.0				2
LSP Duct		3.5	2*	3*	4*	4*
		5.0		2*	3*	3*
		7.0				2
MSP Duct		3.5	2	3	4	4
		5.0		2	3	3
		7.0				2
		10.0				
		12.0				
Console		3.5	-	-	-	-
		5.0	-	-	-	-
Ceiling		5.0		2	3	3
		7.0				2
		10.0				
		12.0				

* Combination is only compatible with CAC ODU



Specifications

360 Cassette R32

- 360° air supply.
- Bladeless discharge thanks to three small booster fans.
- Built-in condensation drain pump (750 mmH₂O).
- High ceiling mode for heights up to 4.6 m (12.8/14.0 kW), 3.9 m (11.2 kW), 3.5 m (4.5–9.0 kW).

- Circular or square cassette panel.
- Motion Detector Sensor is optional for square cassette panel.
- Optional PM1.0 panel.



Indoor Unit			AC071RN4PKG/EU	AC100RN4PKG/EU	AC120RN4PKG/EU	AC140RN4PKG/EU
Outdoor Unit - Mono-Phase			AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
Outdoor Unit - Tri-Phase			-	AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	1.50/7.10/8.70	3.00/10.00/12.00	3.50/12.00/13.50	3.50/13.40/15.50
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.90/8.00/9.00	2.20/11.20/15.50	3.50/13.20/15.50	3.50/15.50/18.00
	Heating @ -5 °C	kW	7.80	11.00	12.90	15.20
	Heating @ -15 °C	kW	7.00	9.70	11.50	13.50
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	6.7/ A++	6.8/ A++	6.0/ A+	6.4
	Power Consumption	kWh/a	371	515	700	-
	Pdesignc	kW	7.1	10.0	12	13.4
	EER	W/W	2.60	3.08	2.69	2.81
Energy Efficiency Heating	SCOP ¹	W/W	4.2/ A+	4.3/ A+	4.0/ A+	4.1
	Power Consumption	kWh/a	1,500	1,726	2,275	-
	Pdesignh (average)	kW	4.5	5.3	6.5	8.4
	COP ¹	W/W	3.23	3.50	3.26	3.35
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	51.0	72.0	72.0	110.0
Sound Power	Indoor Unit	dB(A)	53	61	61	61
	Outdoor Unit	dB(A)	65	69	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	36/33/29	44/39/33	45/40/35	45/41/37
	Outdoor Unit (H/L)	dB(A)	51/49	54/52	56/54	54/53
Fan/Outdoor Unit	Type		Turbo	Turbo	Turbo	Turbo
	Power	W	65	97	97	97
	Number of Fans	-	1	1	1	1
Operating Temperature Range	Cooling	°C	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0	-20.0~24.0	-20.0~24.0
Electrical Data						
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.35/2.73/3.60	0.60/3.24/4.70	0.90/4.45/5.30	0.80/4.76/6.45
	Heating	kW	0.35/2.48/3.95	0.46/3.20/5.40	0.75/4.05/5.60	0.70/4.62/7.36
Current Input	Cooling (Min/Std/Max)	A	2.00/11.80/16.00	3.00/14.40/20.40	0.75/4.05/5.60	3.70/20.60/28.00
	Heating (Min/Std/Max)	A	2.0/10.7/17.0	3.0/14.4/20.4	3.7/17.7/26.0	3.7/20.6/28.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-	1.5/5.1/7.1	2.1/6.9/10.0	2.1/7.3/10.5
	Heating - Tri-Phase (Min/Std/Max)	A	-	1.2/5.0/8.4	2.1/6.3/12.0	1.9/7.1/12.0
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Outdoor Unit	mm	880 x 798 x 310	940 x 998 x 330	940 x 1,210 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg	20.2	23.5	23.5	25.5
	Outdoor Unit	kg	51.0	75.0	81.0	91.5



Indoor Unit	AC071RN4PKG/EU	AC100RN4PKG/EU	AC120RN4PKG/EU	AC140RN4PKG/EU
Outdoor Unit - Mono-Phase	AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
Outdoor Unit - Tri-Phase	-	AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU

Refrigerant		R32 (contains fluorinated greenhouse gases. GWP = 675)			
Refrigerant	Type				
	Factory Charging	kg	1.7/15 m	2.7/30 m	2.9/30 m
	Charging Ton Equivalent CO ₂	tCO ₂ e	1.15	1.82	1.82
	Additional Refrigerant Charging	g/m	25	50	50
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	3/8
	Gas Pipe	ø, inch	5/8	5/8	5/8
Piping Length	Min/Max	m	3/50	50	75
Piping Height	Max	m	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others					
Panel	Model Code		PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN
	Net Dimensions (W x H x D)	mm	1,050 x 66 x 1,050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
	Net Weight	kg	2.7	2.7	2.7
Accessories	Drain Pump		Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24

Accessories

					
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS2.5
AR-KH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-D01AN
					
BACnet/Lonworks/PIM	ON/OFF Controller	Modbus Module	Wi-Fi Kit	External Thermostat	Motion Detect Sensor for PC4NUDMAN
MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-B19N	MIM-H04EN	MRW-TA	MCR-SME
					
Panel (Mandatory)	Panel (Mandatory)	Panel (Mandatory)	Panel (Mandatory)	Auto Elevation Panel	Air Purification Panel
PC4NUDMAN	PC4NUNMAN	PC4NBDMAN	PC4NBNMAN	PC6EUXMAN	PC6EUCMAN

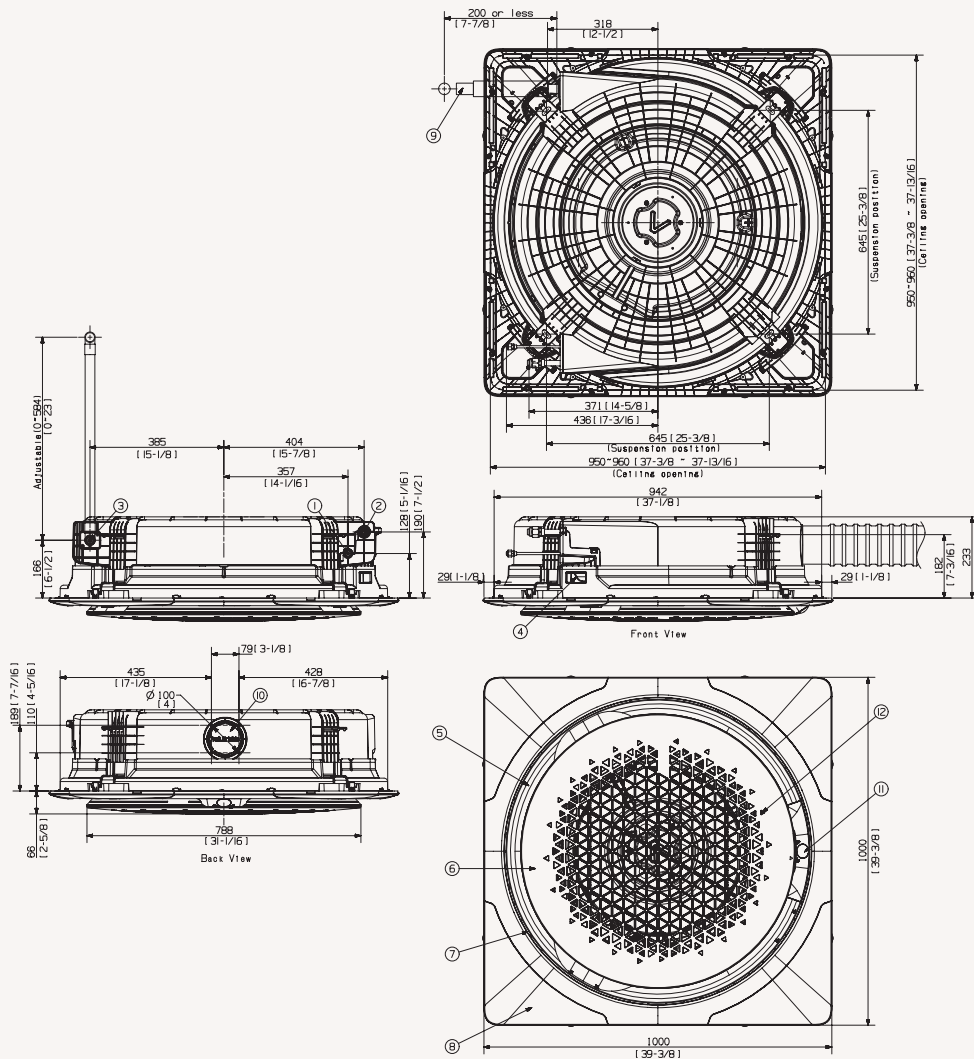
¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

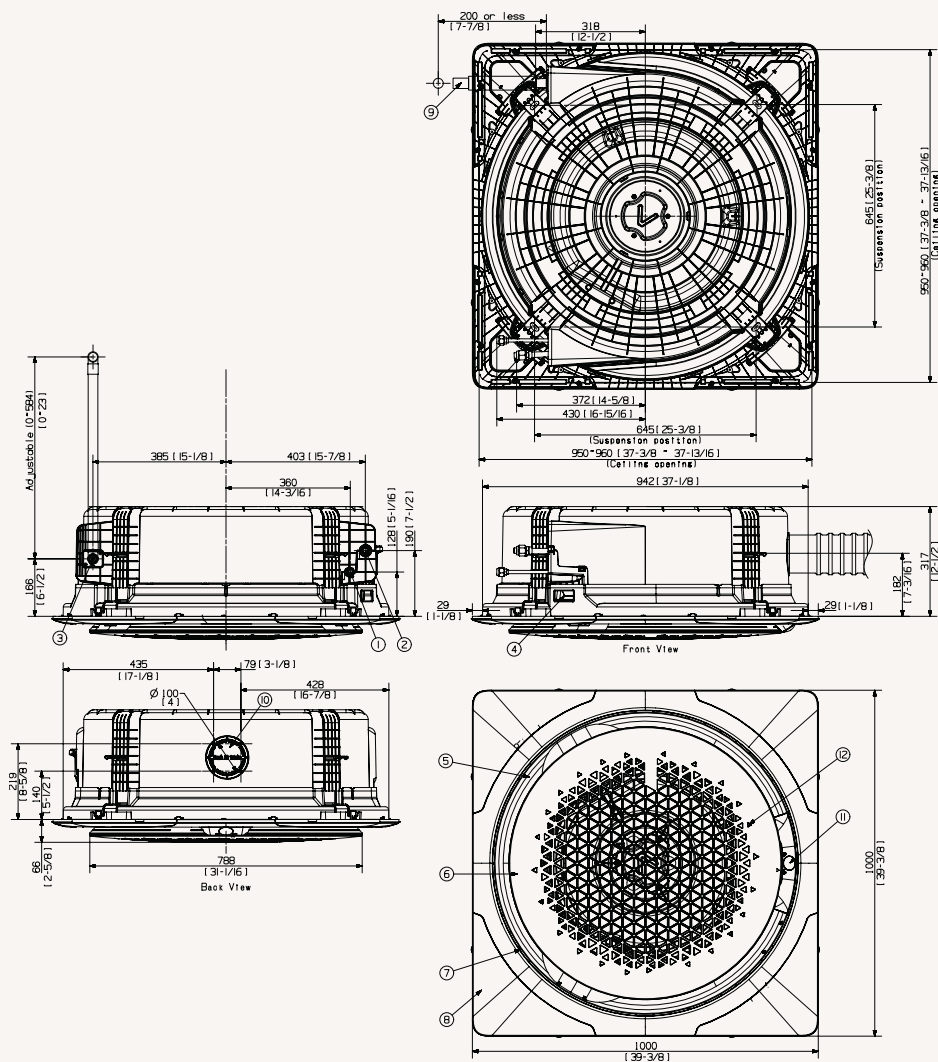
360 Cassette (square)

R32

AC071*N4PK*/EU



NO	Name	Description
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external air	ø100 mm
11	Display	
12	Wireless remote controller receiver	

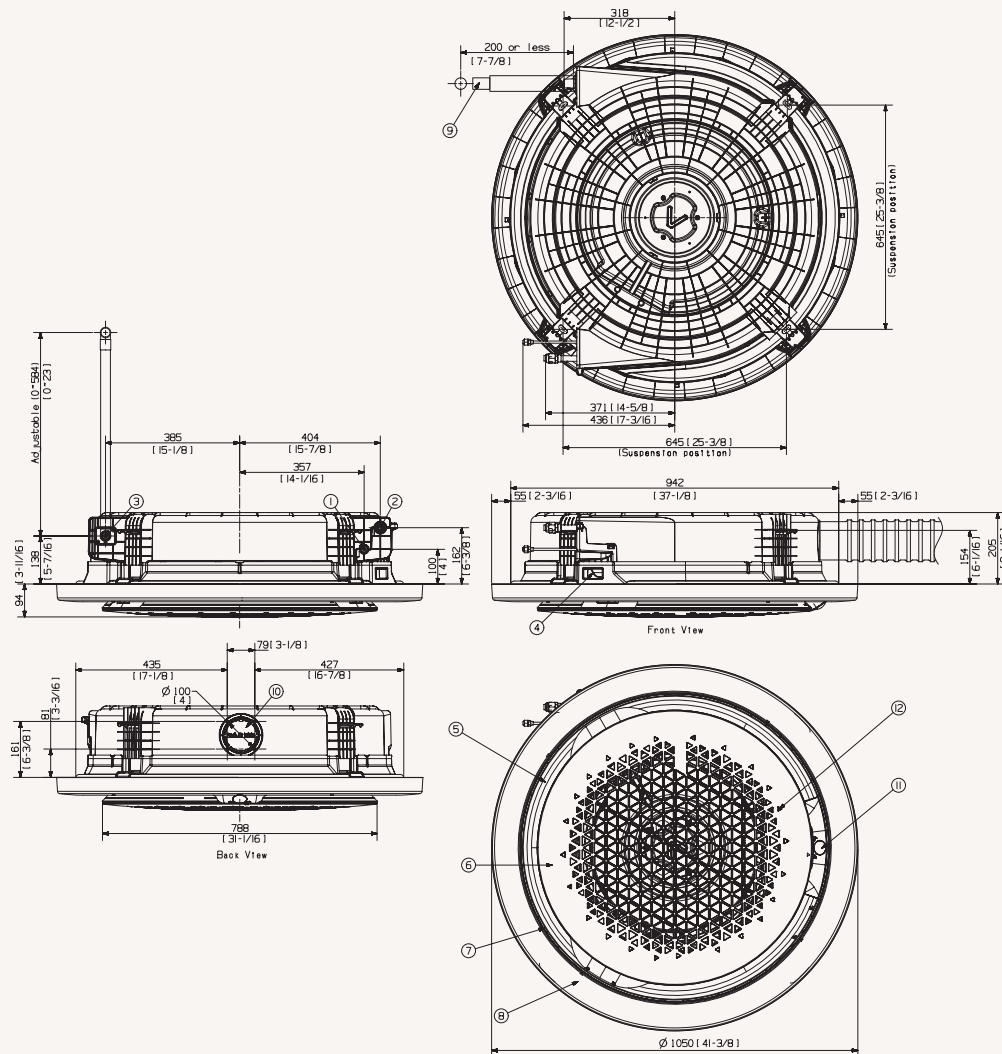


NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external air	ø100 mm
11	Display	
12	Wireless remote controller receiver	

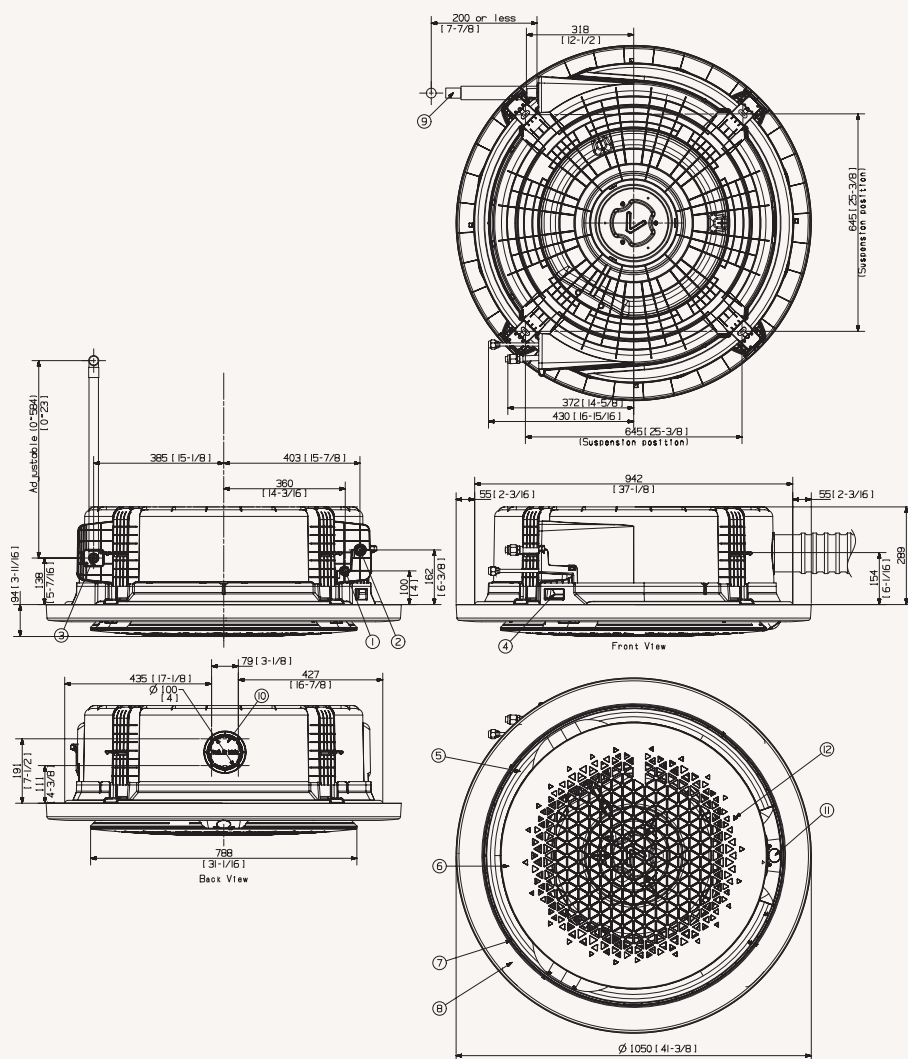
Dimensional drawings

360 Cassette (circle) (R32)

AC071*N4PK*/EU



NO	Name	Description
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external air	ø 100 mm
11	Display	
12	Wireless remote controller receiver	



NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external air	ø 100 mm
11	Display	
12	Wireless remote controller receiver	

Specifications

CAC 360 Cassette HEE R32

- 360° air supply.
- Bladeless discharge thanks to three small booster fans.
- Built-in condensation drain pump (750 mmH₂O).
- High ceiling mode for heights up to 4.6 m (12.8/14.0 kW), 3.9 m (11.2 kW), 3.5 m (4.5~9.0 kW).
- Compatible with Samsung Air purification panel and Auto elevation panel
- Operation range from -25°C until 52°C
- Single Wi-Fi kit (optional)
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC052BN6PKG/EU AC052BXAPKG/EU -	AC071BN6PKG/EU AC071BXAPKG/EU AC071BXAPNG/EU	AC100BN6PKG/EU AC100BXAPKG/EU AC100BXAPNG/EU	AC120BN6PKG/EU AC120BXAPNG/EU	AC140BN6PKG/EU AC140BXAPNG/EU
Capacity							
	Cooling (Min/Nominal/Max)	kW	1.20/5.00/7.50	2.10/7.10/9.80	3.80/10.00/12.50	4.10/12.10/14.00	3.50/13.40/15.50
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.00/6.00/9.30	2.00/8.00/12.70	3.20/11.20/18.80	3.20/13.20/20.00	3.20/15.50/21.00
	Heating @ -5 °C	kW					
	Heating @ -15 °C	kW					
Performance							
Energy Efficiency Cooling	SEER ¹	W/W	6.7/ A++	7.8/ A++	7.6/ A++	7.3	7.1
	Power Consumption	kWh/a	211	319	461	-	-
	Pdesignc	kW	5	7.1	10	12.1	13.4
	EER	W/W	4.1	4.15	4.13	3.9	3.67
Energy Efficiency Heating	SCOP ¹	W/W	4.2/ A++	4.6/ A++	4.6/ A++	4.4	4.4
	Power Consumption	kWh/a	1187	1522	2435	-	-
	Pdesignh (average)	kW	3.9	5	8	9.2	9.2
	COP ¹	W/W	3.7	4.08	4.07	3.77	3.41
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	15.5 / 14.6 / 13.6	21.1 / 17.8 / 15.6	33.4 / 26.7 / 20.1	34.5 / 27.8 / 21.1	35.6 / 29.0 / 23.3
Sound Power	Indoor Unit	dB(A)	49	52	61	61	62
	Outdoor Unit	dB(A)	63	64	66	69	70
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	33/31/29	35/32/29	44/39/33	45/40/35	45/41/37
	Outdoor Unit (H/L)	dB(A)	48/47	49/47	50/47	52/49	52/50
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC	BLDC	BLDC
	Power	W	125	125	125	125	125
	Number of Fans	-	1	1	2	2	2
Operating Temperature Range	Cooling	°C	-20~52	-20~52	-20~52	-20~52	-20~52
	Heating	°C	-25.0~24.0	-25.0~24.0	-25.0~24.0	-25.0~24.0	-25.0~24.0
Electrical Data							
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	-	-
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.24/1.22/2.45	0.45/1.71/3.15	0.75/2.42/3.25	0.75/3.10/4.30	0.75/3.65/5.05
	Heating	kW	0.20/1.62/3.05	0.37/1.96/4.45	0.59/2.75/6.40	0.59/3.50/7.90	0.59/4.55/8.00
Current Input	Cooling (Min/Std/Max)	A	1.6/5.7/10.8	3.0/8.1/14.0	4.1/11.1/14.7	-	-
	Heating (Min/Std/Max)	A	1.4/7.4/13.5	2.5/9.1/19.7	3.2/12.5/27.9	-	-
	Cooling - Tri-Phase (Min/Std/Max)	A	-	1.0/3.0/5.2	1.4/4.1/5.2	1.4/5.0/6.7	1.4/5.8/7.8
	Heating - Tri-Phase (Min/Std/Max)	A	-	0.8/3.3/7.1	1.2/4.6/9.3	1.2/5.5/11.5	1.2/7.1/11.7
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Outdoor Unit	mm	880 x 798 x 310	940 x 998 x 330	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330
Net Weight	Indoor Unit	kg	20.2	25.5	25.5	25.5	25.5
	Outdoor Unit	kg	50	75	100	100	100



Indoor Unit		AC052BN6PKG/EU	AC071BN6PKG/EU	AC100BN6PKG/EU	AC120BN6PKG/EU	AC140BN6PKG/EU
Outdoor Unit - Mono-Phase		AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	AC120BXAPKG/EU	AC140BXAPKG/EU
Outdoor Unit - Tri-Phase		-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/EU	AC140BXAPNG/EU
Refrigerant						
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)				
	Factory Charging	kg	1.7/20 m	2.7/30 m	3.5/30 m	3.5/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	1.15	1.82	2.36	2.36
	Additional Refrigerant Charging	g/m				
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	3/8	3/8
	Gas Pipe	ø, inch	1/2	5/8	5/8	5/8
Piping Length	Min/Max	m	5 / 50	5 / 55	5/ 85	5/ 85
Piping Height	Max	m	30	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others						
Panel	Model Code		PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN
	Net Dimensions (W x H x D)	mm	ø1,050 x 94	ø1,050 x 94	ø1,050 x 94	ø1,050 x 94
	Net Weight	kg	2.7	2.7	2.7	2.7
Accessories	Drain Pump		Included	Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24

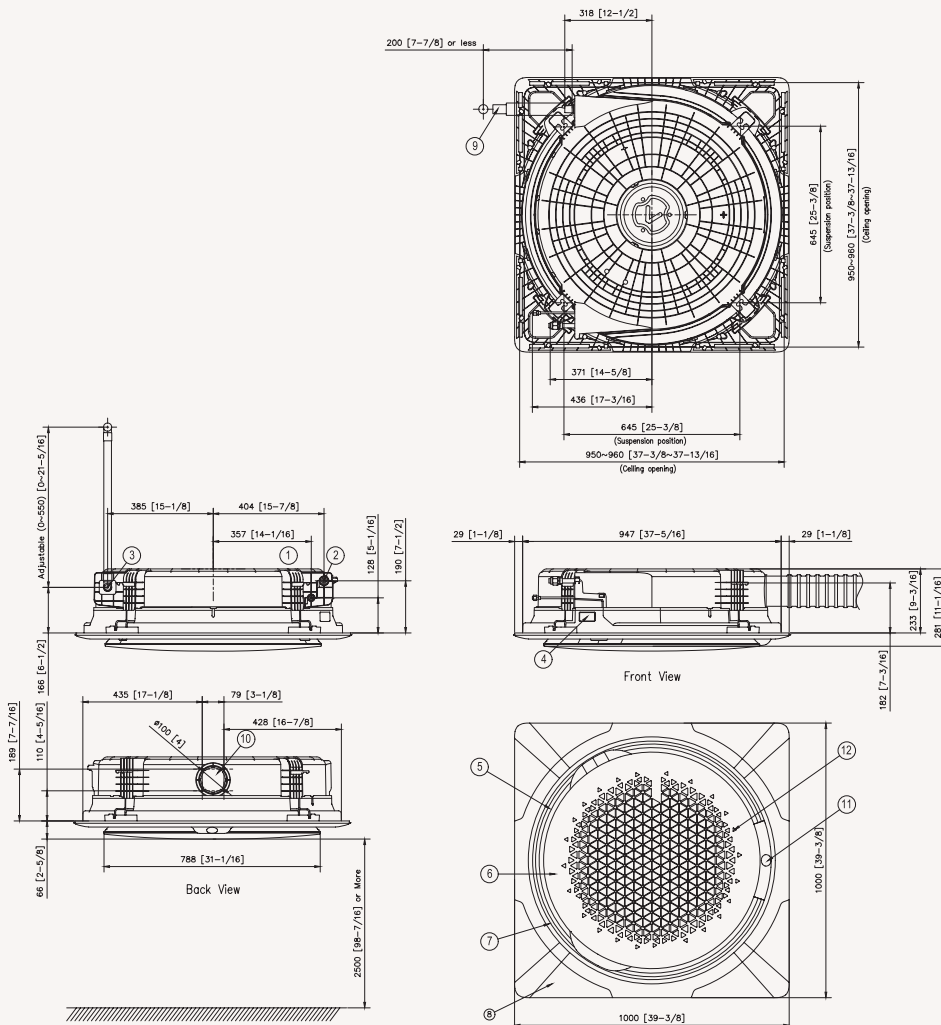
Accessories					
					
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-KH04E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-D01AN
					
BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	Single Wifi-Kit	External Thermostat	Motion Detect Sensor for PC4NUDMAN
MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MIM-H14EN	MRW-TA	MCR-SME
					
Panel (Mandatory)	Panel (Mandatory)	Panel (Mandatory)	Panel (Mandatory)	Auto Elevation Panel	Air Purification Panel
PC4NUDMAN	PC4NUNMAN	PC4NBDMAN	PC4NBNMAN	PC6EUXMAN	PC6EUCMAN

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

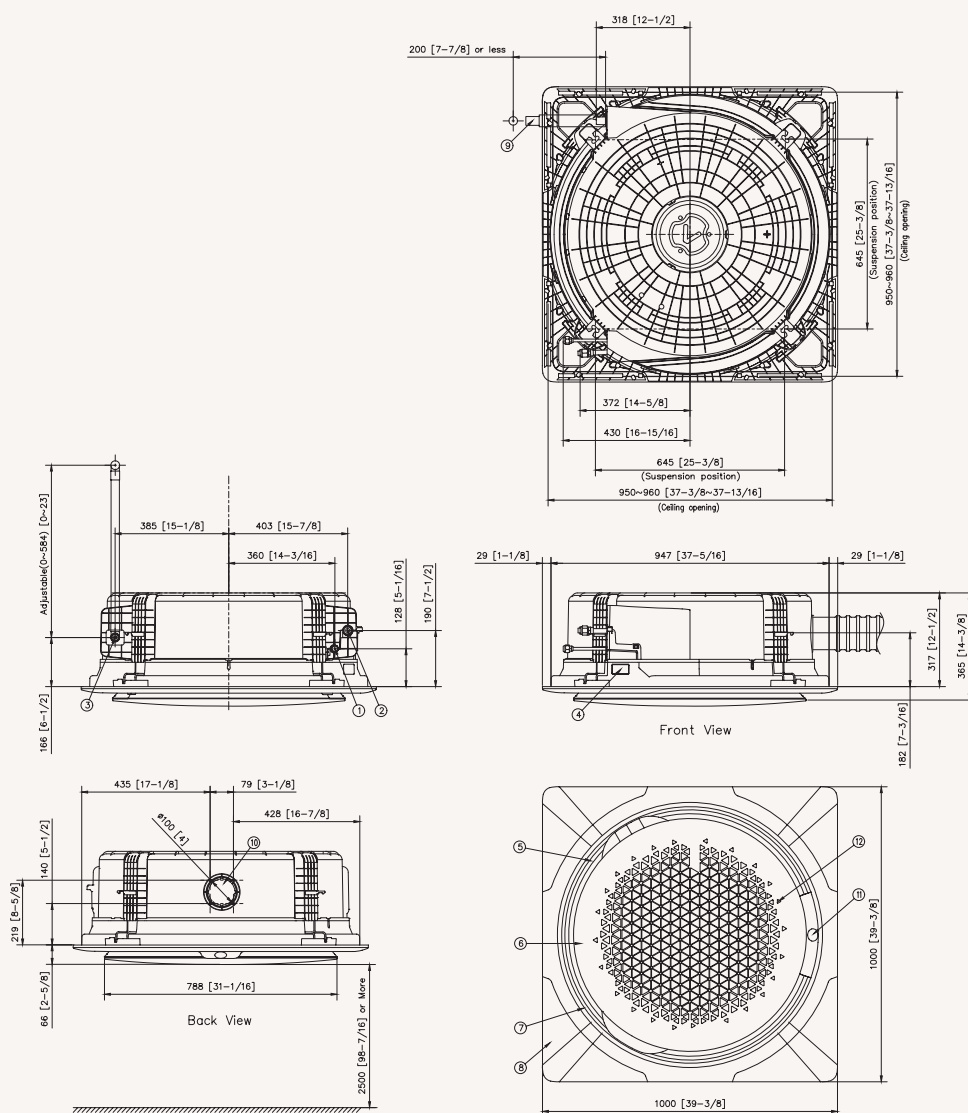
Dimensional drawings

360 Cassette (square) HEE R32

AC052BN6PKG/EU



NO	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Discharge opening	
6	Air suction grille	
7	Suction rim for Booster fan	
8	Decoration cover	
9	Drain hose(Accessory)	
10	Fresh air intake knockout hole	Use M4 Screw
11	Display window	
12	Remote controller receiver	

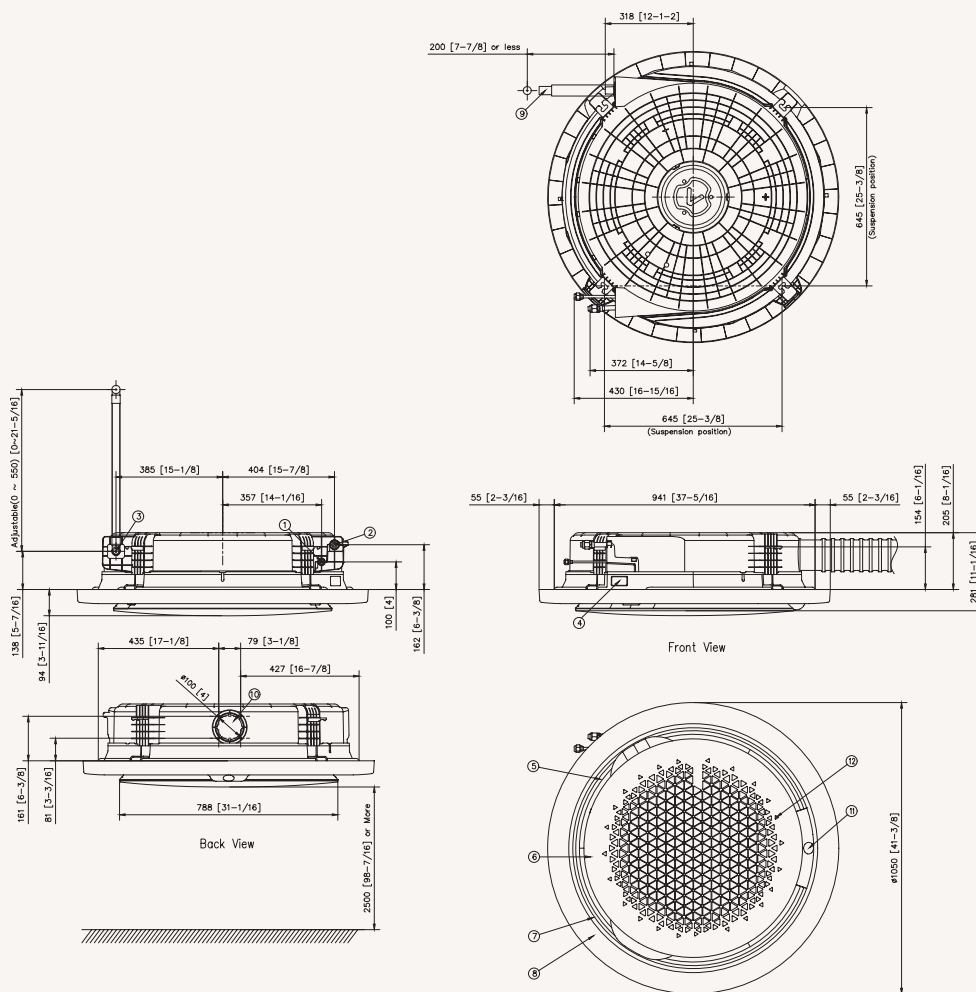


NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Discharge opening	
6	Air suction grille	
7	Suction rim for Booster fan	
8	Decoration cover	
9	Drain hose(Accessory)	
10	Fresh air intake knockout hole	Use M4 Screw
11	Display window	
12	Remote controller receiver	

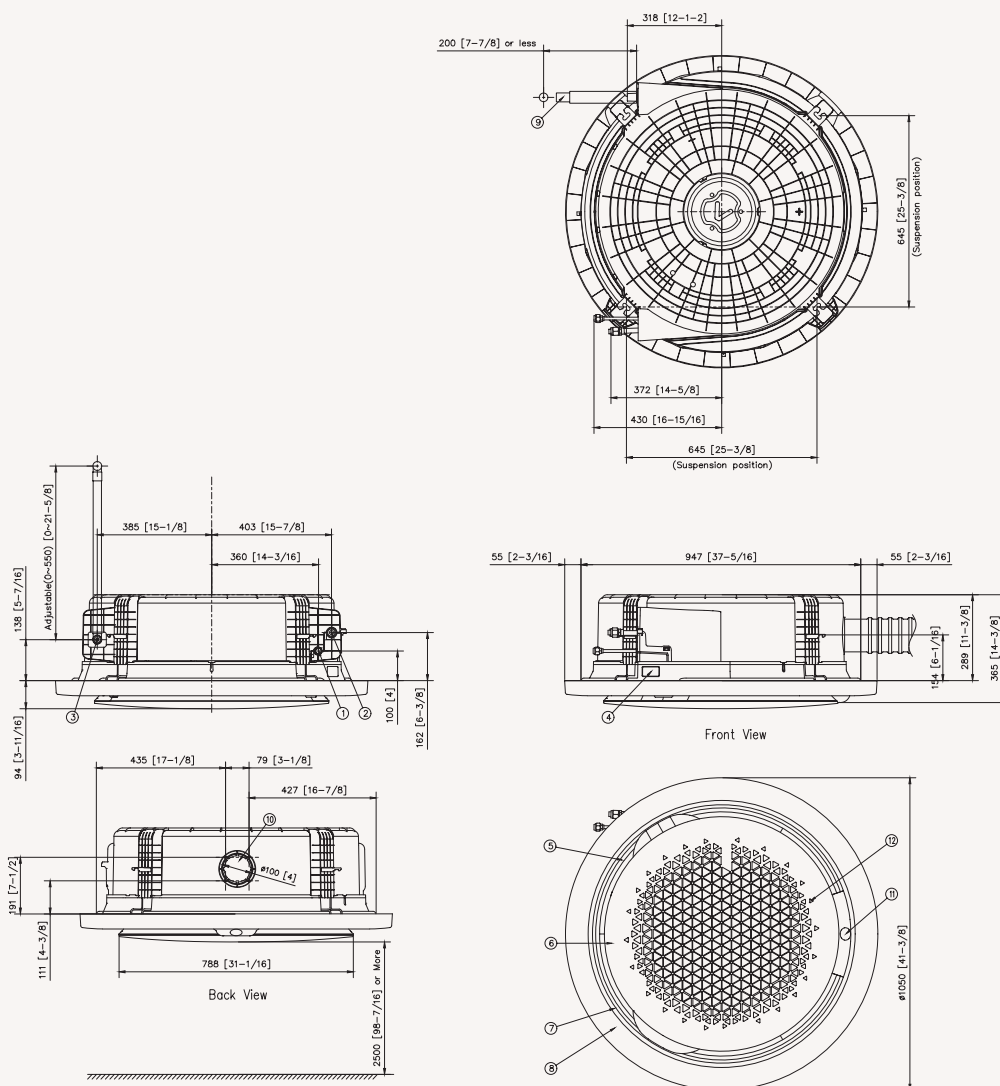
Dimensional drawings

360 Cassette (circle) HEE R32

AC052BN6PKG/EU



NO	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Discharge opening	
6	Air suction grille	
7	Suction rim for Booster fan	
8	Decoration cover	
9	Drain hose(Accessory)	
10	Fresh air intake knockout hole	Use M4 Screw
11	Display window	
12	Remote controller receiver	



NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Discharge opening	
6	Air suction grille	
7	Suction rim for Booster fan	
8	Decoration cover	
9	Drain hose(Accessory)	
10	Fresh air intake knockout hole	Use M4 Screw
11	Display window	
12	Remote controller receiver	

Specifications

WindFree™ 4-Way 600 x 600 Cassette R32

- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 32° and 75°; blade width 66 mm.

- Built-in humidity sensor.
- Built-in condensation drain pump (750 mmH₂O).
- Optional motion detector sensor.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RNNDKG/EU AC026RXADKG/EU	AC035RNNDKG/EU AC035RXADKG/EU	AC052RNNDKG/EU AC052RXADKG/EU	AC071RNNDKG/EU AC071RXADKG/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	0.87/2.60/4.10	0.88/3.50/4.50	1.30/5.00/6.20	1.50/6.80/8.30
	Heating @ +7 °C (Min/Nominal/Max)	kW	0.98/3.40/4.10	1.00/4.00/4.80	1.30/5.50/7.50	1.90/7.50/9.00
	Heating @ -5 °C	kW	3.3	3.9	5.4	7.4
	Heating @ -15 °C	kW	3.00	3.50	4.80	6.50
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	7.1/ A++	7.0/ A++	6.7/ A++	6.1/ A++
	Power Consumption	kWh/a	128	175	261	390
	P _{designc}	kW	2.6	3.5	5.0	6.8
	EER	W/W	3.88	3.40	3.27	2.47
Energy Efficiency Heating	SCOP ¹	W/W	4.3/ A+	4.3/ A+	4.2/ A+	3.8/ A
	Power Consumption	kWh/a	684	684	800	1,474
	P _{designh} (average)	kW	2.1	2.1	2.4	4.0
	COP ¹	W/W	3.69	3.33	3.62	2.68
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	30.0	30.0	40.0	51.0
Sound Power	Indoor Unit	dB(A)	48	50	56	58
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	31/28/25	34/30/25	39/34/29	42/39/36
	Outdoor Unit (H/L)	dB(A)	47/46	48/48	48/48	51/49
Fan/Outdoor Unit	Type		Turbo	Turbo	Turbo	Turbo
	Power	W	65	65	65	65
	Number of Fans	-	1	1	1	1
Operating Temperature Range	Cooling	°C	-15~46	-15~46	-15~50	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0	-20.0~24.0	-20.0~24.0
Electrical Data						
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	-	-
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.16/0.67/1.20	0.18/1.03/1.40	0.31/1.53/2.10	0.35/2.75/3.60
	Heating	kW	0.20/0.92/1.45	0.19/1.20/1.80	0.35/1.52/2.40	0.35/2.80/3.95
Current Input	Cooling (Min/Std/Max)	A	1.3/3.5/5.5	1.4/5.0/6.0	2.6/7.0/9.5	2.0/12.0/16.0
	Heating (Min/Std/Max)	A	1.3/4.6/7.0	1.3/5.7/10.5	2.9/7.0/11.0	2.0/12.0/17.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	-	-
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	-	-
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	575 x 266 x 575	575 x 266 x 575	575 x 266 x 575	575 x 266 x 575
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	11.5	11.5	12.0	12.0
	Outdoor Unit	kg	32.5	32.5	43.0	51.0



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase		AC026RNNDKG/EU AC026RXADKG/EU	AC035RNNDKG/EU AC035RXADKG/EU	AC052RNNDKG/EU AC052RXADKG/EU	AC071RNNDKG/EU AC071RXADKG/EU
Refrigerant					
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Factory Charging	kg	0.9/20 m	0.9/20 m	1.2/10 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.61	0.61	0.81
	Additional Refrigerant Charging	g/m	-	-	15
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	1/2
Piping Length	Min/Max	m	3/20	3/20	3/30
Piping Height	Max	m	15	15	20
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18	ID 18
Others					
Panel	Model Code		PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Net Dimensions (W x H x D)	mm	620 x 46 x 620	620 x 46 x 620	620 x 46 x 620
	Net Weight	kg	2.7	2.7	2.7
Accessories	Drain Pump		Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24

Accessories



Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-D01AN
BACnet/Lonworks/PIM	ON/OFF Controller	Modbus Module	Wi-Fi Kit	External Thermostat	Motion Detect Sensor
MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-B19N	MIM-H04EN	MRW-TA	MCR-SMD



Panel (Mandatory)

PC4SUFMAN

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Commercial Split

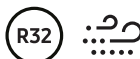
R32

[illegible]



Specifications

WindFree™ 4-Way 600 x 600 Cassette HEE



- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 32° and 75°; blade width 66 mm.
- Built-in humidity sensor.
- Built-in condensation drain pump (750 mmH₂O).

- Operation range from -25°C until 52°C
- Single Wi-Fi kit (optional)
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026BNNPKG/EU AC026BXAPKG/EU	AC035BNNPKG/EU AC035BXAPKG/EU	AC052BNNPKG/EU AC052BXAPKG/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	1.10/2.60/4.40	1.10/3.50/5.30	1.30/5.00/6.80
	Heating @ +7 °C (Min/Nominal/Max)	kW	0.92/3.40/4.90	0.94/4.00/5.70	0.96/5.50/9.30
	Heating @ -5 °C	kW	4.25	5.0	6.49
	Heating @ -15 °C	kW	3.6	4.0	5.5
Performance					
Energy Efficiency Cooling	SEER ¹	W/W	7.1/ A++	7.2/ A++	7.0/ A++
	Power Consumption	kWh/a	128	170	250
	P _{designc}	kW	2.6	3.5	5
	EER	W/W	3.94	3.8	3.62
Energy Efficiency Heating	SCOP ¹	W/W	4.3/ A+	4.3/ A+	4.3/ A+
	Power Consumption	kWh/a	684	749	1320
	P _{designh} (average)	kW	2.1	2.3	4
	COP ¹	W/W	4.0	3.81	3.67
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	8.0 / 7.0 / 6.0	9.2 / 8.0 / 6.4	
Sound Power	Indoor Unit	dB(A)	48	50	56
	Outdoor Unit	dB(A)	59	61	62
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	31/28/25	34/30/25	39/34/29
	Outdoor Unit (H/L)	dB(A)	47/46	46/46	48/48
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC
	Power	W	125	125	125
	Number of Fans	-	1	1	1
Operating Temperature Range	Cooling	°C	-20~52	-20~52	-20~52
	Heating	°C	-25.0~24.0	-25.0~24.0	-25.0~24.0
Electrical Data					
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	-
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.23/0.66/1.45	0.23/0.92/2.00	0.26/1.38/2.40
	Heating	kW	0.19/0.85/2.55	0.20/1.05/2.70	0.23/1.50/3.40
Current Input	Cooling (Min/Std/Max)	A	1.5/3.2/6.4	1.5/4.3/8.9	1.7/6.3/10.5
	Heating (Min/Std/Max)	A	1.2/4.0/11.2	1.3/4.9/11.9	1.5/6.8/15.1
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	-
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	-
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Outdoor Unit	mm	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	11.6	11.6	11.6
	Outdoor Unit	kg	43	43	50



Indoor Unit		AC026BNNPKG/EU	AC035BNNPKG/EU	AC052BNNPKG/EU
Outdoor Unit - Mono-Phase		AC026BXAPKG/EU	AC035BXAPKG/EU	AC052BXAPKG/EU
Outdoor Unit - Tri-Phase				
Refrigerant				
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Factory Charging	kg	1.2/20 m	1.7/20 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.81	1.15
	Additional Refrigerant Charging	g/m	-	-
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	3/8	1/2
Piping Length	Min/Max	m	5/30	5 / 50
Piping Height	Max	m	20	30
Piping Connections	Drain Pipe	ø, mm	VP 25 (OD32, ID25)	VP 25 (OD32, ID25)
Others				
Panel	Model Code		PC4SUFMAN	PC4SUFMAN
	Net Dimensions (W x H x D)	mm	620 x 46 x 620	620 x 46 x 620
	Net Weight	kg	2.7	2.7
Accessories	Drain Pump		Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24

Accessories



Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-EH04E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-D01AN



BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	Single Wifi-Kit	External Thermostat	Motion Detect Sensor
MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MIM-H14EN	MRW-TA	MCR-SMD



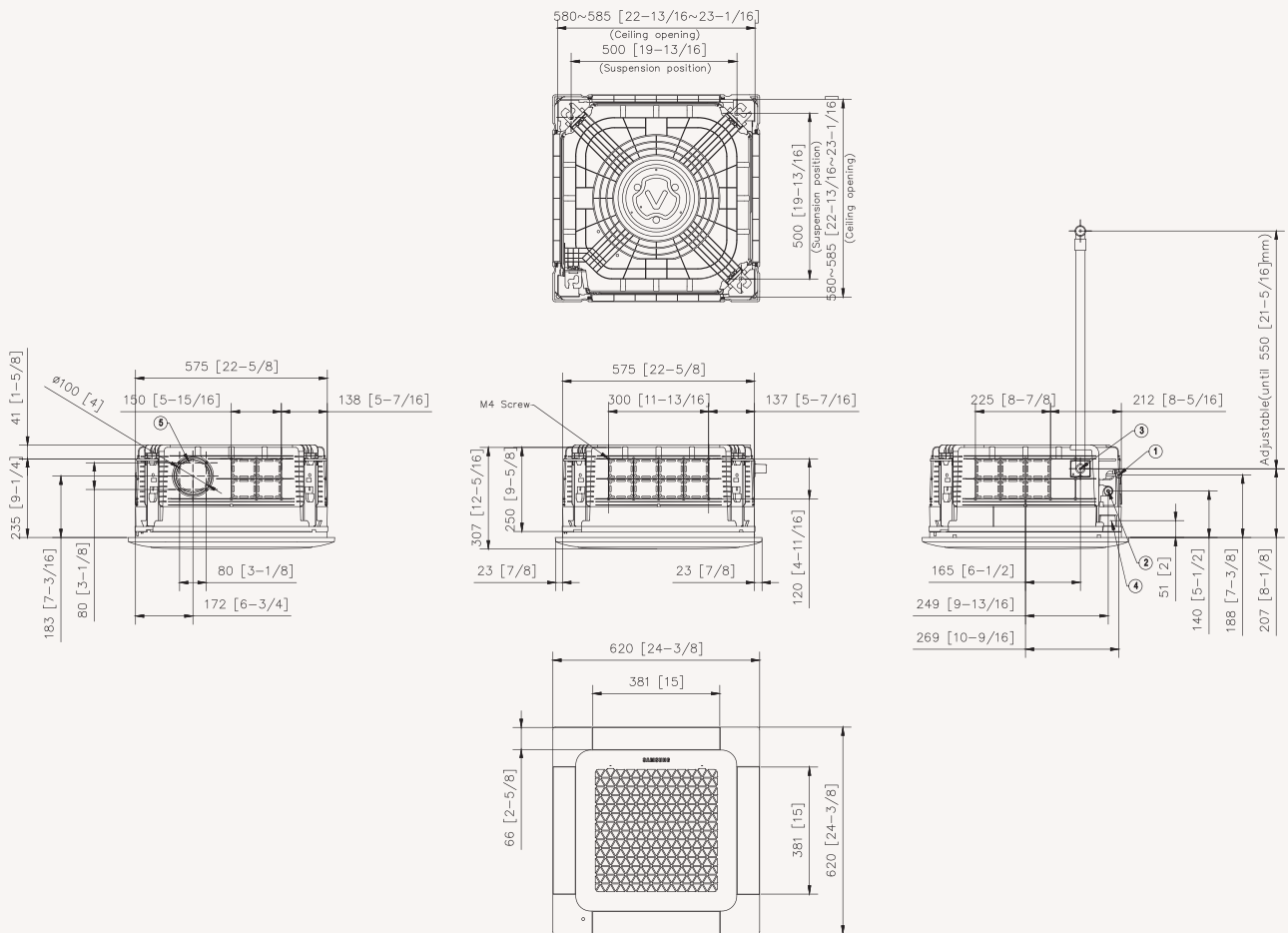
Panel (Mandatory)
PC4SUFMAN

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

WindFree™ 4-Way 600 x 600 Cassette HEE R32

AC026/035/052BNNPKG/EU





Specifications

WindFree™ 4-Way Cassette R32

- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 34° and 68°; blade width 84 mm.
- Built-in humidity sensor.

- High ceiling mode for heights up to 4.6 m (12.0~14.0 kW), 3.9 m (9.0~10.0 kW), 3.5 m (5.2~7.1 kW).
- Built-in condensation drain pump (750 mmH₂O).
- Optional auto elevation panel, optional PM1.0 panel and optional motion detect sensor available.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC052RN4DKG/EU AC052RXADKG/EU	AC071RN4DKG/EU AC071RXADKG/EU	AC100RN4DKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RN4DKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RN4DKG/EU AC140RXADKG/EU AC140RXADNG/EU
Capacity							
	Cooling (Min/Nominal/Max)	kW	1.00/5.00/6.50	1.50/7.10/8.70	3.00/10.00/12.00	3.50/12.00/13.50	3.50/13.40/15.00
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.00/6.00/7.00	1.90/8.00/9.00	2.20/11.20/15.50	3.50/13.20/15.50	3.50/15.50/18.00
	Heating @ -5 °C	kW	5.90	7.80	11.00	12.90	15.20
	Heating @ -15 °C	kW	5.20	7.00	9.70	11.50	13.50
Performance							
Energy Efficiency Cooling	SEER ¹	W/W	7.6/ 	6.7/ 	7.0/ 	6.0/ 	6.6/ 
	Power Consumption	kWh/a	230	371	500	-	-
	P _{designc}	kW	5.0	7.1	10.0	-	-
	EER	W/W	3.50	2.98	2.92	2.60	3.16
Energy Efficiency Heating	SCOP ¹	W/W	4.3/ 	4.2/ 	4.3/ 	4.0/ 	4.3/ 
	Power Consumption	kWh/a	847	1,500	1,726	-	-
	P _{designh} (average)	kW	2.60	4.50	5.30	-	-
	COP ¹	W/W	4.03	3.27	3.61	3.18	3.16
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	40.0	51.0	72.0	72.0	110.0
Sound Power	Indoor Unit	dB(A)	49	53	61	61	61
	Outdoor Unit	dB(A)	62	65	69	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	33/31/29	36/33/29	44/39/33	45/40/35	45/41/37
	Outdoor Unit (H/L)	dB(A)	48/48	51/49	54/52	56/54	54/53
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC	BLDC	BLDC
	Power	W	65	65	97	97	97
	Number of Fans	-	1	1	1	1	1
Operating Temperature Range	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0	-20.0~24.0	-20.0~24.0	-20.0~24.0
Electrical Data							
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.33/1.43/2.30	0.35/2.38/3.60	0.60/3.42/4.70	0.90/4.60/5.30	0.80/4.62/6.45
	Heating	kW	0.25/1.49/2.50	0.35/2.45/3.95	0.46/3.10/5.40	0.75/4.15/5.60	0.70/4.90/7.36
Current Input	Cooling (Min/Std/Max)	A	1.5/6.5/9.5	2.0/10.3/16.0	3.0/15.2/ 20.4	4.3/20.1/24.0	3.7/20.0/ 28.0
	Heating (Min/Std/Max)	A	1.5/6.8/12.0	2.0/10.7/17.0	2.5/13.6/23.0	3.7/18.2/26.0	3.5/21.3/32.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	1.5/5.5/7.1	2.1/6.8/10.0	2.1/7.1/10.5
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	1.2/5.1/8.4	2.1/6.3/12.0	1.9/7.3/12.0
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg	14.5	14.5	14.5	18.0	18.0
	Outdoor Unit	kg	43.0	51.0	75.0	81.0	91.5



Indoor Unit		AC052RN4DKG/EU	AC071RN4DKG/EU	AC100RN4DKG/EU	AC120RN4DKG/EU	AC140RN4DKG/EU
Outdoor Unit - Mono-Phase		AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
Outdoor Unit - Tri-Phase		-	-	AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU
Refrigerant						
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)				
	Factory Charging	kg	1.2/10 m	1.7/15 m	2.7/30 m	2.7/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.81	1.15	1.82	1.82
	Additional Refrigerant Charging	g/m	15	25	50	50
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	3/8	3/8
	Gas Pipe	ø, inch	1/2	5/8	5/8	5/8
Piping Length	Min/Max	m	3/30	3/50	50	75
Piping Height	Max	m	20	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others						
Panel	Model Code		PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Net Dimensions (W x H x D)	mm	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950
	Net Weight	kg	6.3	6.3	6.3	6.3
Accessories	Drain Pump		Included	Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24

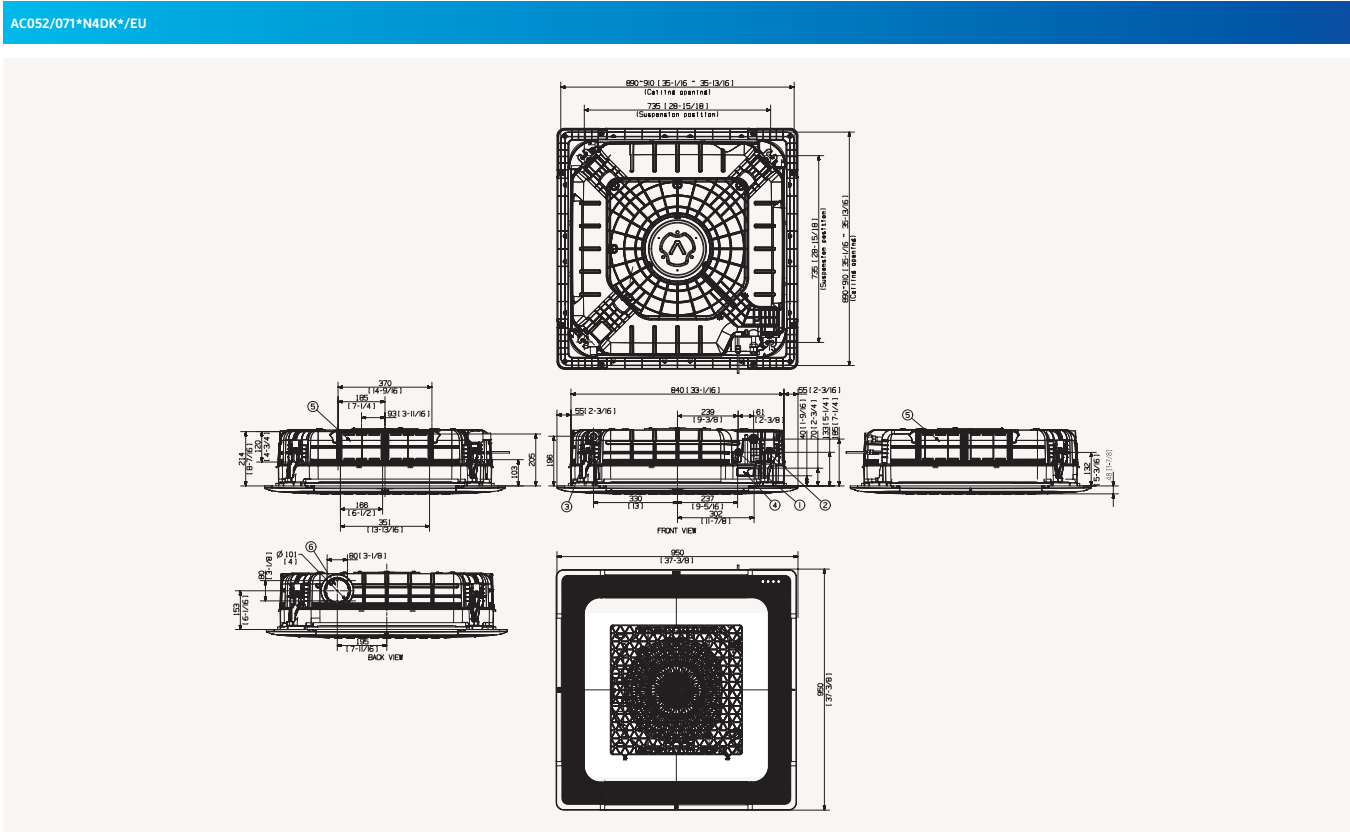
Accessories

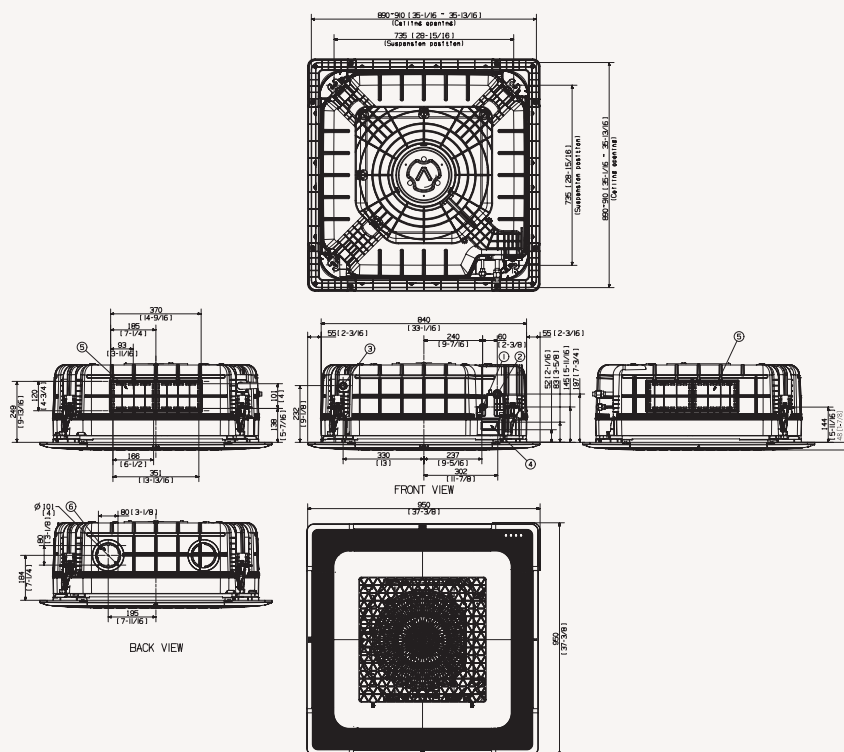
				
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N
				
DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Modbus Module	Wi-Fi Kit
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-B19N	MIM-H04EN
				
Panel (Mandatory)	Air Purification Panel	Auto Elevation Panel	Motion Detect Sensor	External Thermostat
PC4NUFMAN	PC4NUCEAN	PC4NUXMAN	MCR-SMC	MRW-TA

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

WindFree™ 4-Way Cassette R32





Specifications

WindFree™ 4-Way Cassette HEE R32

- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 34° and 68°; blade width 84 mm.
- Built-in humidity sensor.
- High ceiling mode for heights up to 4.6 m (12.0~14.0 kW), 3.9 m (9.0~10.0 kW), 3.5 m (5.2~7.1 kW).
- Built-in condensation drain pump (750 mmH₂O).

- Operation range from -25°C until 52°C
- Single Wi-Fi kit (optional)
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit			AC052BN4PKG/EU	AC071BN4PKG/EU	AC100BN4PKG/EU	AC120BN4PKG/EU	AC140BN4PKG/EU
Outdoor Unit - Mono-Phase			AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	AC120BXAPKG/EU	AC140BXAPKG/EU
Outdoor Unit - Tri-Phase			-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/EU	AC140BXAPNG/EU
Capacity							
	Cooling (Min/Nominal/Max)	kW	1.10 / 5.00 / 8.00	2.40 / 7.10 / 10.00	3.80 / 10.00 / 13.30	3.80 / 12.10 / 14.50	4.10 / 13.40 / 17.10
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.10 / 6.00 / 9.50	2.20 / 8.00 / 13.0	2.80 / 11.20 / 20.00	2.80 / 13.20 / 22.50	2.80 / 15.50 / 22.80
	Heating @ -5 °C	kW					
	Heating @ -15 °C	kW					
Performance							
Energy Efficiency Cooling	SEER ¹	W/W	8.5/ A+++	8.5/ A+++	8.0/ A++	8.0/ A++	8.0/ A++
	Power Consumption	kWh/a	206	292	438	-	-
	Pdesignc	kW	5.0	7.1	10	12.1	13.4
	EER	W/W	4.31	4.33	4.26	4.28	4.06
Energy Efficiency Heating	SCOP ¹	W/W	4.9/ A++	4.8/ A++	4.8/ A++	4.7/ A+	4.7/ A+
	Power Consumption	kWh/a	1171	1604	2479	-	-
	Pdesignh (average)	kW	4.1	5.5	8.5	9.5	9.5
	COP ¹	W/W	4.38	4.52	4.44	4.13	3.97
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	13.5 / 12.7 / 11.8	24.8 / 21.3 / 18.9	34.0 / 28.0 / 22.0	35.2 / 29.2 / 23.2	35.2 / 29.2 / 24.4
Sound Power	Indoor Unit	dB(A)	49	52	61	61	61
	Outdoor Unit	dB(A)	63	64	69	70	70
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	33/31/29	35/32/29	44/39/33	45/40/35	45/41/37
	Outdoor Unit (H/L)	dB(A)	48/47	49/47	50/47	56/54	52/50
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC	BLDC	BLDC
	Power	W	125	125	125	125	125
	Number of Fans	-	1	1	2	2	2
Operating Temperature Range	Cooling	°C	-20~52	-20~52	-20~52	-20~52	-20~52
	Heating	°C	-25.0~24.0	-25.0~24.0	-25.0~24.0	-25.0~24.0	-25.0~24.0
Electrical Data							
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	-	-
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.24 / 1.16 / 2.90	0.45 / 1.64 / 3.20	0.70 / 2.35 / 3.60	0.70 / 2.83 / 4.30	0.72 / 3.30 / 5.00
	Heating	kW	0.22 / 1.37 / 3.15	0.35 / 1.77 / 4.50	0.56 / 2.52 / 6.40	0.56 / 3.20 / 7.95	0.56 / 3.90 / 8.10
Current Input	Cooling (Min/Std/Max)	A	1.6 / 5.5 / 12.7	2.4 / 7.8 / 14.2	3.8 / 10.8 / 16.0	-	-
	Heating (Min/Std/Max)	A	1.5 / 6.3 / 14.0	2.5 / 8.4 / 19.8	2.9 / 11.4 / 27.9	-	-
	Cooling - Tri-Phase (Min/Std/Max)	A	-	1.0 / 2.9 / 5.2	1.4 / 4.1 / 5.8	1.4 / 4.9 / 6.7	1.7 / 5.2 / 7.9
	Heating - Tri-Phase (Min/Std/Max)	A	-	0.8 / 3.1 / 7.2	1.1 / 4.3 / 9.4	1.1 / 5.4 / 11.7	1.1 / 6.1 / 11.9
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Outdoor Unit	mm	880 x 798 x 310	940 x 998 x 330	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330
Net Weight	Indoor Unit	kg	16	21.5	21.5	21.5	21.5
	Outdoor Unit	kg	50	75	100	100	100



Indoor Unit		AC052BN4PKG/EU	AC071BN4PKG/EU	AC100BN4PKG/EU	AC120BN4PKG/EU	AC140BN4PKG/EU
Outdoor Unit - Mono-Phase		AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	AC120BXAPKG/EU	AC140BXAPKG/EU
Outdoor Unit - Tri-Phase		-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/EU	AC140BXAPNG/EU
Refrigerant						
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)				
	Factory Charging	kg	1.7/20 m	2.7/30 m	3.5/30 m	3.5/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	1.15	1.82	2.36	2.36
	Additional Refrigerant Charging	g/m				
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	3/8	3/8
	Gas Pipe	ø, inch	1/2	5/8	5/8	5/8
Piping Length	Min/Max	m	5 / 50	5 / 55	5 / 85	5 / 85
Piping Height	Max	m	30	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others						
Panel	Model Code		PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Net Dimensions (W x H x D)	mm	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950
	Net Weight	kg	6.3	6.3	6.3	6.3
Accessories	Drain Pump		Included	Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24

Accessories

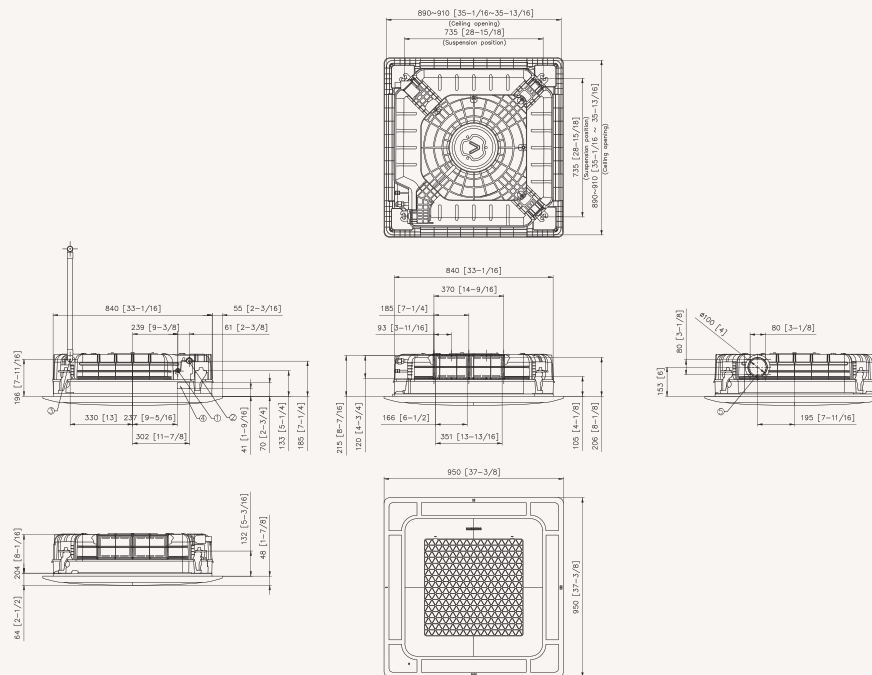
				
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-EH04E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N
				
DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	Single Wifi-Kit
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MIM-H14EN
				
Panel (Mandatory)	Air Purification Panel	Auto Elevation Panel	Motion Detect Sensor	External Thermostat
PC4NUFMAN	PC4NUCEAN	PC4NUXMAN	MCR-SMC	MRW-TA

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

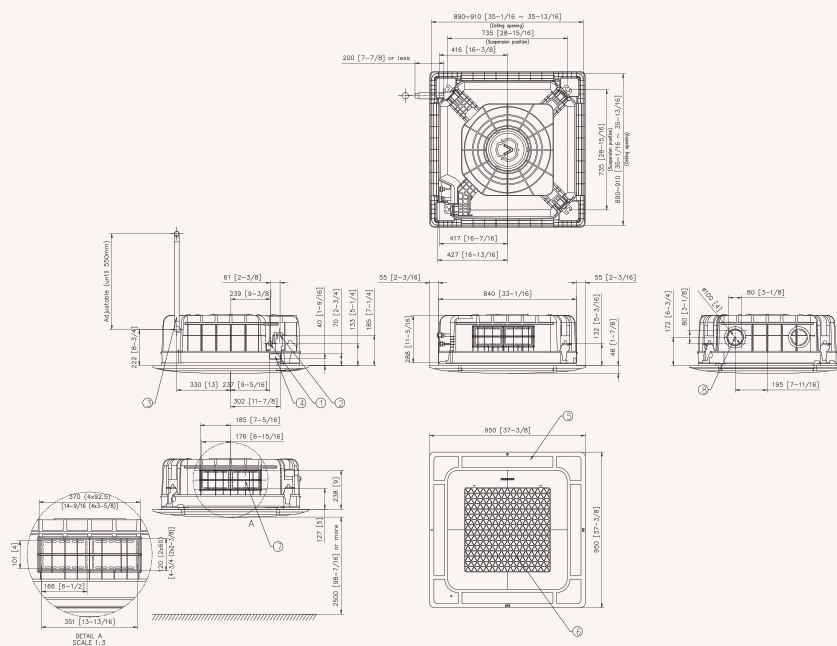
Dimensional drawings

WindFree™ 4-Way Cassette HEE R32

AC052BN4PKG/EU



NO	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Sub duct connection	Use M4 Screw
6	Fresh air intake knockout hole	Φ10[4], Use M4 Screw



NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Outlet Louver	
6	Air Inlet Grille	
7	Sub - duct	* The sub duct is not applicabel to the Wind-free panel
8	Fresh air intake	Φ10[4], Use M4 Screw

Specifications

WindFree™ 1-Way Cassette R32

- 2-Step Cooling: Fast Cooling & WindFree™ Cooling.
- Blade angle between 37° and 87°, blade width 100 mm.
- Built-in humidity sensor.

- Height of only 135 mm.
- Built-in condensation drain pump (750 mmH₂O).
- Optional PM1.0 panel available.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RN1DKG/EU AC026RXADKG/EU	AC035RN1DKG/EU AC035RXADKG/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	0.82/2.60/3.80	0.85/3.50/4.20
	Heating @ +7 °C (Min/Nominal/Max)	kW	0.98/3.30/4.40	1.00/4.00/5.00
	Heating @ -5 °C	kW	3.2	3.9
	Heating @ -15 °C	kW	2.9	2.8
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	6.4/	6.2/
	Power Consumption	kWh/a	142	198
	Pdesignc	kW	2.60	3.50
	EER	W/W	3.61	3.21
Energy Efficiency Heating	SCOP ¹	W/W	4.0/	4.0/
	Power Consumption	kWh/a	700	700
	Pdesignh (average)	kW	2.0	2.0
	COP ¹	W/W	3.26	3.12
Airflow Rate	Indoor Unit (H/M/L)	m³/min	7.3/6.5/5.8	9.0/8.2/7.2
Sound Power	Indoor Unit	dB(A)	52	55
	Outdoor Unit	dB(A)	59	61
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	32/29/26/25	35/32/29/28
	Outdoor Unit (H/L)	dB(A)	47/46	48/48
Fan/Outdoor Unit	Type		Crossflow Fan	Crossflow Fan
	Power	W	27	27
	Number of Fans	-	1	1
Operating Temperature Range	Cooling	°C	-15~46	-15~46
	Heating	°C	-20.0~24.0	-20.0~24.0
Electrical Data				
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz		
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.17/0.72/1.16	0.18/1.09/1.40
	Heating	kW	0.20/1.01/1.45	0.19/1.28/1.80
Current Input	Cooling (Min/Std/Max)	A	1.2/3.8/5.4	1.6/5.3/7.5
	Heating (Min/Std/Max)	A	1.4/5.0/7.0	1.3/6.2/10.5
	Cooling - Tri-Phase (Min/Std/Max)	A		
	Heating - Tri-Phase (Min/Std/Max)	A		
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	970 x 135 x 410	970 x 135 x 410
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	9.2	9.2
	Outdoor Unit	kg	32.5	32.5



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RN1DKG/EU AC026RXADKG/EU	AC035RN1DKG/EU AC035RXADKG/EU
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	0.9/20 m	0.9/20 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.61	0.61
	Additional Refrigerant Charging	g/m	-	-
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8
Piping Length	Min/Max	m	3/20	3/20
Piping Height	Max	m	15	15
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18
Others				
Panel	Model Code		PC1NWFMAN	PC1NWFMAN
	Net Dimensions (W x H x D)	mm	1,198 x 35 x 500	1,198 x 35 x 500
	Net Weight	kg	4.3	4.3
Accessories	Drain Pump		Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24

Accessories



Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N



DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	External Thermostat
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MRW-TA

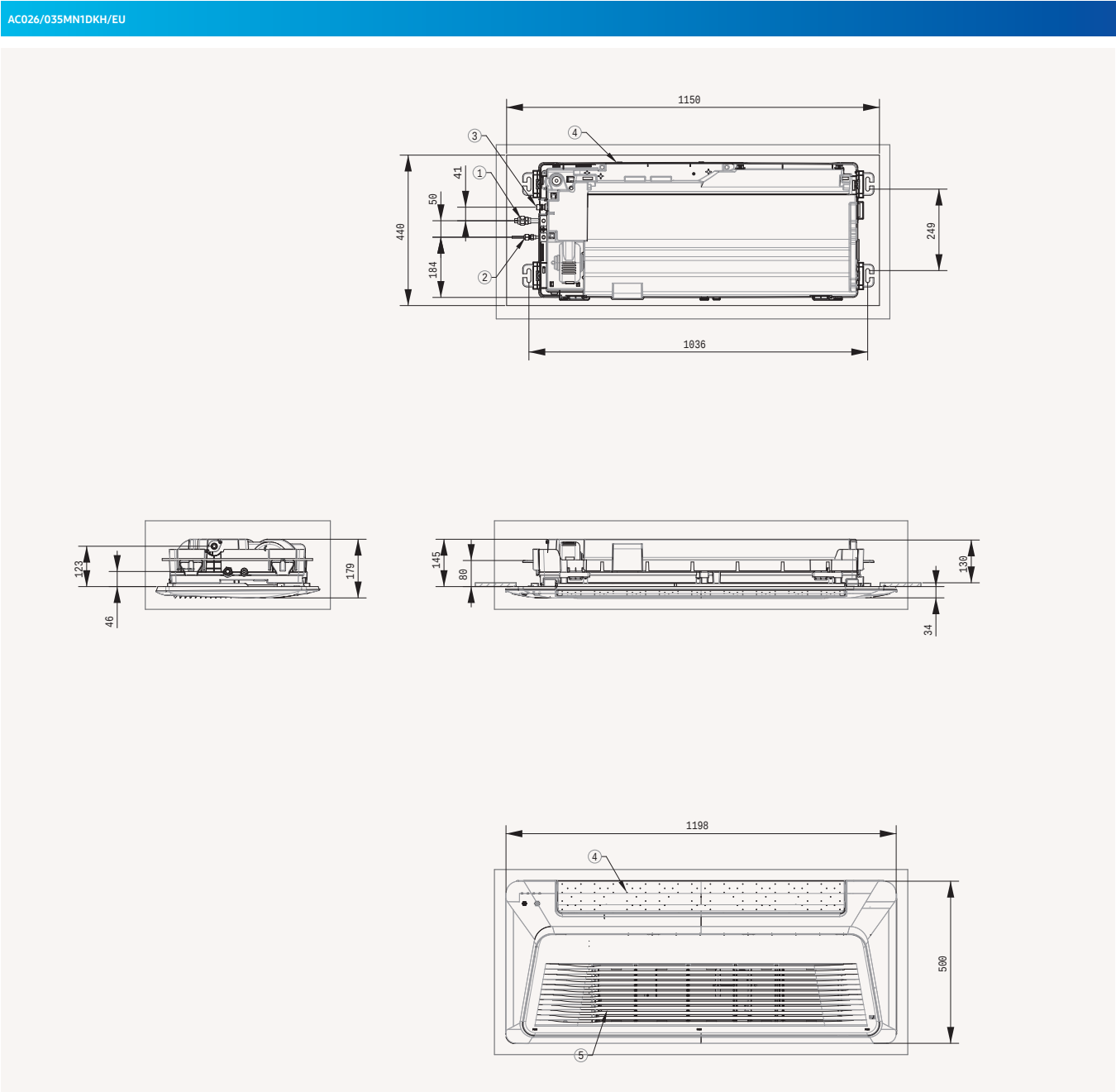


Panel (Mandatory)	Air Purification Panel
PC1NWFMAN	PC1NWCMA

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

WindFree™ 1-Way Cassette R32



NO	Name	Description
1	Liquid pipe connection	ø6.35 (1/4)
2	Gas pipe connectionn	ø9.52 (3/8)
3	Drain pipe connection	VP20 (OD 26, ID 20)
4	Power supply/communication wiring conduits	



129C

Specifications

HSP Duct (R410A)

- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Long-life washable HD 40 permanent filter is included.
- Auto Restart function.
- Filter is not included.
- Condensation drain pump (optional).



Indoor Unit			AC200KNHPKH/EU	AC250KNHPKH/EU
Outdoor Unit - Mono-Phase			AC200KXAPNH/EU	AC250KXAPNH/EU
Outdoor Unit - Tri-Phase			AC200KXAPNH/EU	AC250KXAPNH/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	7.50/20.00/23.00	9.00/25.00/28.50
	Heating @ +7 °C (Min/Nominal/Max)	kW	8.50/23.00/25.00	10.00/27.00/32.00
	Heating @ -5 °C	kW	-	-
	Heating @ -15 °C	kW	-	-
Performance				
Energy Efficiency Cooling	SEER	W/W	5.2	5.0
	Power Consumption	kWh/a	-	-
	Pdesignc	kW	-	-
	EER	W/W	3.10	2.61
Energy Efficiency Heating	SCOP	W/W	3.5	3.4
	Power Consumption	kWh/a	-	-
	Pdesignh (average)	kW	-	-
	COP ¹	W/W	3.45	3.24
Airflow Rate	Indoor Unit (H/M/L)	m³/min	72.00/62.00/48.00	80.00/64.00/51.00
Sound Power	Indoor Unit	dB(A)	70	72
	Outdoor Unit	dB(A)	75	77
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	44/40/36	47/42/37
	Outdoor Unit (H/L)	dB(A)	60/58	61/59
Fan/Outdoor Unit	Type		Sirocco	Sirocco
	Power	W	630	630
	Number of Fans	-	2	2
External Static Pressure	Min/Std/Max	Pa	49.03/72.00/196.13	49.03/72.00/196.13
Operating Temperature Range	Cooling	°C	-15~50	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0
Electrical Data				
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz		
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Scroll	BLDC Scroll
Power (Min/Nominal/Max)	Cooling	kW	2.10/6.45/8.00	2.60/9.58/12.00
	Heating	kW	2.10/6.66/9.80	2.50/8.33/13.50
Current Input	Cooling (Min/Std/Max)	A	-	-
	Heating (Min/Std/Max)	A	-	-
	Cooling - Tri-Phase (Min/Std/Max)	A	3.8/10.0/12.3	4.7/14.9/18.4
	Heating - Tri-Phase (Min/Std/Max)	A	3.8/10.3/16.0	4.5/12.9/22.0
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	1,350 x 450 x 910	1,350 x 450 x 910
	Outdoor Unit	mm	940 x 1,630 x 460	940 x 1,630 x 460
Net Weight	Indoor Unit	kg	82.5	82.5
	Outdoor Unit	kg	154.0	154.0



Indoor Unit			AC200KNHPKH/EU	AC250KNHPKH/EU
Outdoor Unit - Mono-Phase				
Outdoor Unit - Tri-Phase			AC200KXAPNH/EU	AC250KXAPNH/EU
Refrigerant				
Refrigerant	Type		R410A (contains fluorinated greenhouse gases. GWP = 2,088)	
	Factory Charging	kg	6.60	6.60
	Charging Ton equivalent CO ₂	tCO ₂ e	13.78	13.78
	Additional Refrigerant Charging	g/m	-	-
Piping Connections	Liquid Pipe	ø, inch	3/8	3/8
	Gas Pipe	ø, inch	3/4	7/8
Piping Length	Min/Max	m	75	75
Piping Height	Max	m	30	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others				
Panel	Model Code		-	-
	Net Dimensions (W x H x D)	mm	-	-
	Net Weight	kg	-	-
Accessories	Drain Pump		DC	DC
	Max. Lifting Height/ Displacement	mm / litres/h	750/24	750/24

Accessories



Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Touch Controller
MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N



Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat
MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

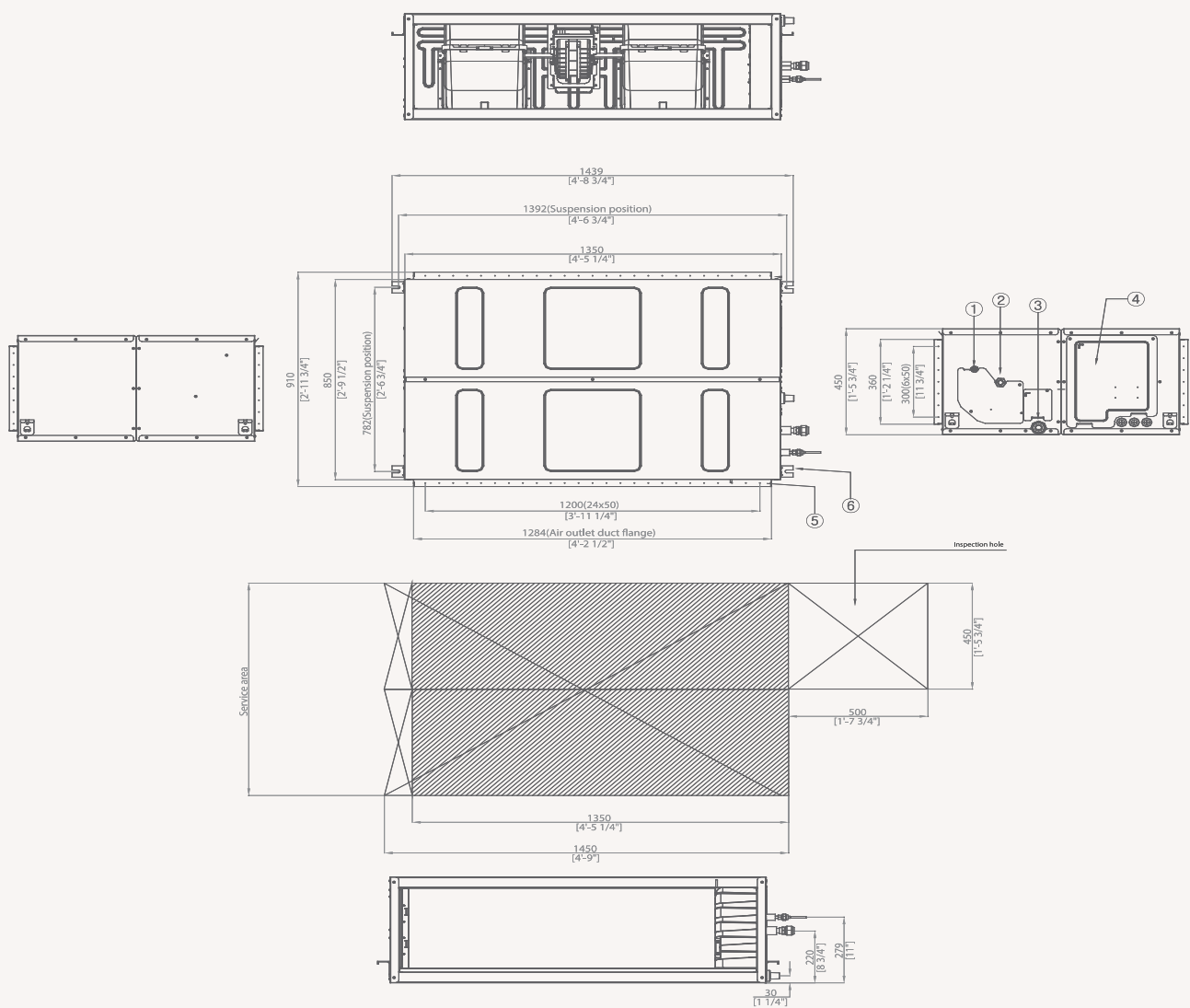


Touch Centralised Controller	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MCM-A300N	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

Dimensional drawings

HSP Duct (R410A)

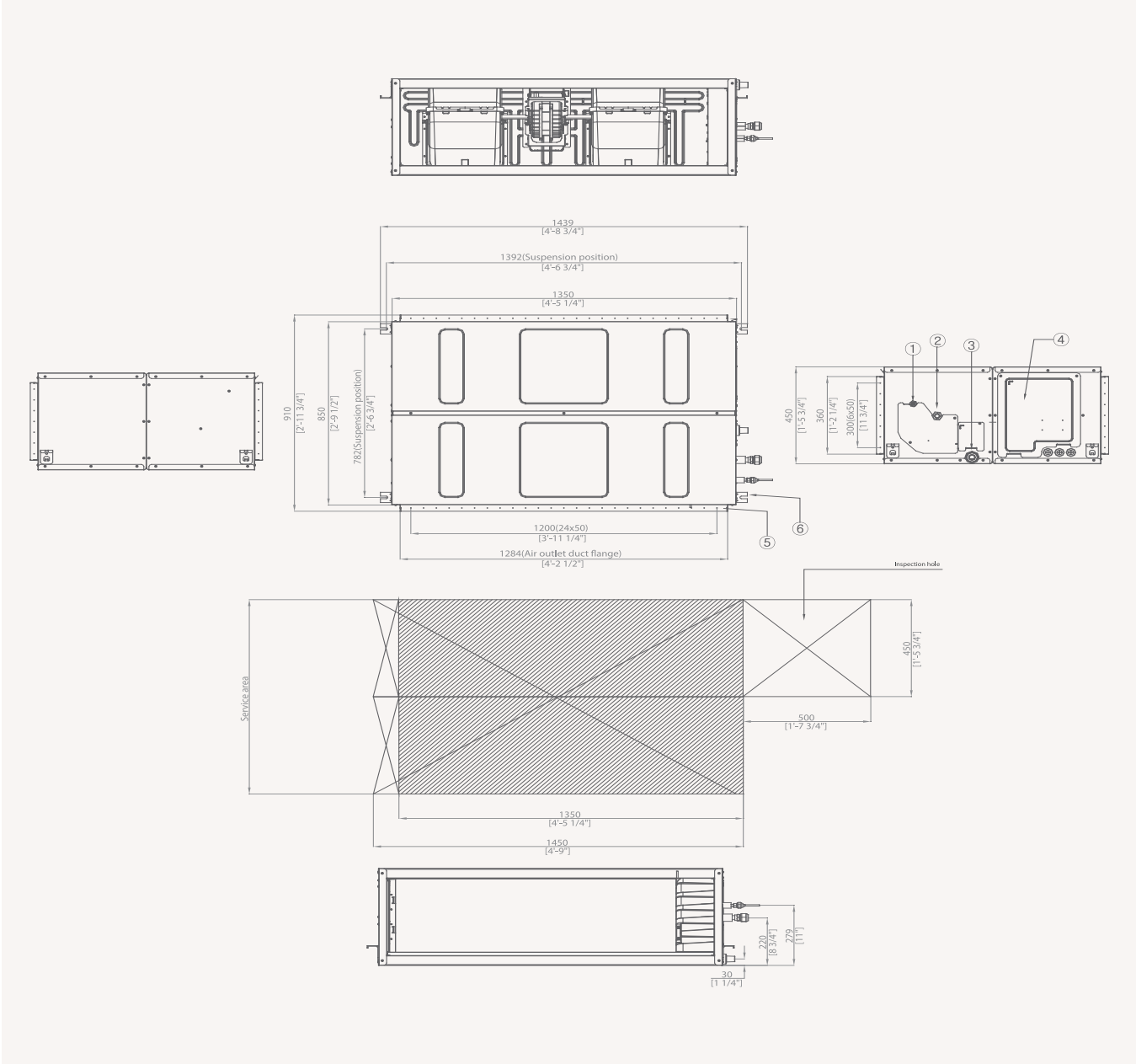
AC200KNHPKH/EU



NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø19.05 (3/4)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air tie rods	Use M8-M10 bolt (4x)

HSP Duct (R410A)

AC250KNHPKH/EU



NO	Name	Description	
		AC200KNHPKH/EU	AC250KNHPKH/EU
1	Liquid piping	ø9.52 (3/8)	
2	Gas piping	ø19.05 (3/4)	ø22.22 (7/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)	
4	Power supply/communication wiring conduits		
5	Air supply		
6	Air tie rods		

Specifications

MSP Duct R32

- External static pressure range from 0 to 147 Pa.
- Long-life washable permanent filter is included.

- Auto Restart function.
- Optional: Built-in condensation drain pump (750 mmH₂O).



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC035RNMDKG/EU AC035RXADKG/EU	AC052RNMDKG/EU AC052RXADKG/EU	AC071RNMDKG/EU AC071RXADKG/EU	AC100RNMDKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RNMDKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RNMDKG/EU AC140RXADKG/EU AC140RXADNG/EU
Capacity								
	Cooling (Min/Nominal/Max)	kW	0.80/3.50/4.40	1.20/5.00/6.50	1.50/6.80/8.70	3.00/10.00/12.00	3.00/12.00/13.50	3.50/13.40/15.50
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.10/4.00/4.70	1.10/6.00/7.20	1.90/8.00/9.00	2.20/11.20/15.50	2.50/13.20/17.00	3.50/15.50/18.00
	Heating @ -5 °C	kW	3.90	5.90	7.80	11.00	12.90	15.20
	Heating @ -15 °C	kW	3.50	5.20	7.00	9.70	11.50	13.50
Performance								
Energy Efficiency Cooling	SEER ¹	W/W	6.2/ A++	6.3/ A++	6.1/ A++	5.9/ A+	5.8/ A+	6.0/ A+
	Power Consumption	kWh/a	198	278	390	593	724	-
	Pdesignc	kW	3.5	5.0	6.8	10.0	12	13.4
	EER	W/W	-	-	2.93	2.90	2.66	2.90
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+	4.1/ A+	4.0/ A+	4.0/ A+	4.0/ A+	4.0/ A+
	Power Consumption	kWh/a	700	820	1,295	1,820	2,275	-
	Pdesignh (average)	kW	2.0	2.4	3.7	5.2	6.5	8.4
	COP ¹	W/W	TBC	TBC	3.20	3.20	3.42	3.34
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	10.4/9.2/8.0	14.5/12.0/9.5	17.0/14.0/11.0	28.0/25.0/22.0	33.0/28.0/23.0	33.0/28.0/23.0
Sound Power	Indoor Unit	dB(A)	52	55	56	58	62	62
	Outdoor Unit	dB(A)	61	62	65	69	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	28/25/22	29/26/23	30/27/24	34/32/30	37/34/30	37/34/30
	Outdoor Unit (H/L)	dB(A)	48/48	48/48	51/49	54/52	56/54	54/53
Fan/Outdoor Unit	Type		Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	153	153	153	153	153	153
	Number of Fans	-	2	2	2	3	3	3
External Static Pressure	Min/Std/Max	Pa	-	-	0.00/29.00/147.00	0.00/39.20/147.00	0.00/51.00/147.00	0.00/51.00/147.00
Operating Temperature Range	Cooling	°C	-15~46	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0	-20.0~24.0	-20.0~24.0	-20.0~24.0	-20.0~24.0
Electrical Data								
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	-	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Single BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.20/1.02/1.36	0.35/1.60/2.20	0.35/2.32/3.60	0.60/3.44/4.70	0.90/4.50/5.30	0.80/4.62/6.45
	Heating	kW	0.24/1.15/1.80	0.26/1.64/2.70	0.35/2.50/3.95	0.46/3.50/5.40	0.90/4.50/5.30	0.80/4.62/6.45
Current Input	Cooling (Min/Std/Max)	A	1.4/5.0/6.2	2.1/7.2/10.0	2.0/10.4/16.0	3.0/15.2/20.4	5.0/19.7/24.0	3.7/20.0/28.0
	Heating (Min/Std/Max)	A	1.3/5.4/10.5	1.7/7.4/12.0	2.0/10.8/17.0	2.5/15.4/23.0	5.0/19.7/24.0	3.5/20.0/32.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	-	1.5/5.3/7.1	1.9/6.9/10.0	2.1/7.1/10.5
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	-	1.5/5.3/7.1	1.5/5.9/12.0	1.9/7.0/12.0
Dimensions								
Net Dimensions (W x H x D)	Indoor Unit	mm	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	1,200 x 250 x 700	1,300 x 300 x 700	1,300 x 300 x 700
	Outdoor Unit	mm	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg	26.5	26.5	26.5	34.0	38.5	38.5
	Outdoor Unit	kg	32.5	43.0	51.0	75.0	81.0	91.5



Indoor Unit			AC035RNMDKG/EU	AC052RNMDKG/EU	AC071RNMDKG/EU	AC100RNMDKG/EU	AC120RNMDKG/EU	AC140RNMDKG/EU
Outdoor Unit - Mono-Phase			AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
Outdoor Unit - Tri-Phase						AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU
Refrigerant								
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Factory Charging	kg	0.9/20 m	1.2/10 m	1.7/15 m	2.7/30 m	2.7/30 m	2.9/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.61	0.81	1.15	1.82	1.82	1.96
	Additional Refrigerant Charging	g/m	-	-	25	50	50	50
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	3/8	3/8	3/8
	Gas Pipe	ø, inch	3/8	1/2	5/8	5/8	5/8	5/8
Piping Length	Min/Max	m	3/20	3/30	3/50	50	50	75
Piping Height	Max	m	15	20	30	30	30	30
Piping Connections	Drain Pipe	ø, 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)
Others								
Panel	Model Code		-	-	-	-	-	-
	Net Dimensions (W x H x D)	mm	-	-	-	-	-	-
	Net Weight	kg	-	-	-	-	-	-
Accessories	Drain Pump		MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ
	Max. Lifting Height/ Displacement	mm / litres/h	750/24	750/24	750/24	750/24	750/24	750/24

Accessories



Drain Pump (optional)

Drain Pump (optional)

Wireless Remote Controller

Touch Controller

MDP-G075SP

MDP-G075SQ

AR-EH03E
(to be matched with MRK-A10N)

MWR-SH11N



Advanced Wired
Controller

Wi-Fi Kit

Wireless Receiver Kit

External Thermostat

MWR-WG00JN / MWR-WG00KN

MIM-H04EN

MRK-A10N
(to be matched with AR-EH03E)

MRW-TA



Touch Centralised Controller

DMS 2.5

BACnet/Lonworks/PIM

ON/OFF Controller

MCM-A300N

MIM-D01AN

MIM-B17BN/B18BN/B16N

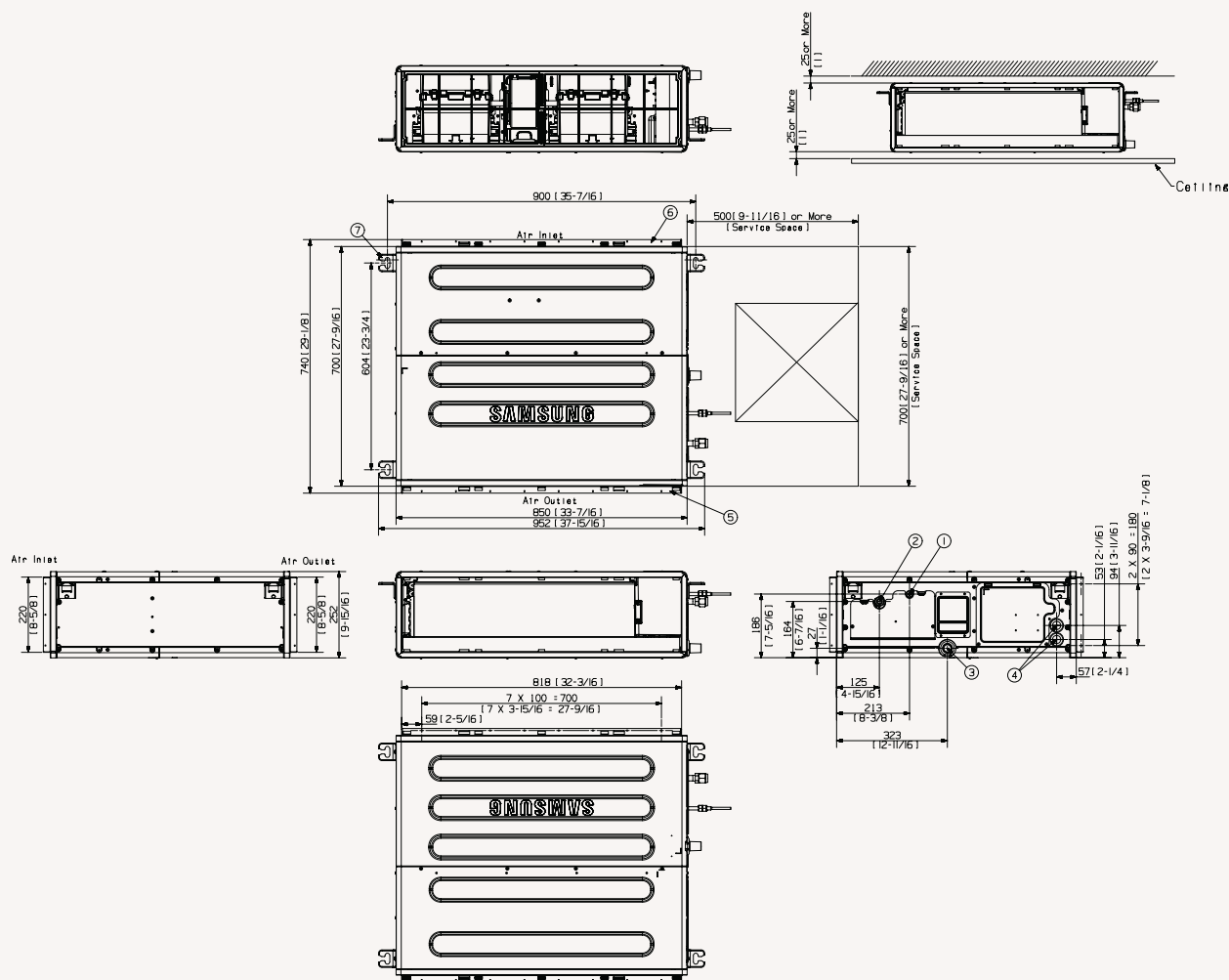
MCM-A202DN

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

MSP Duct R32

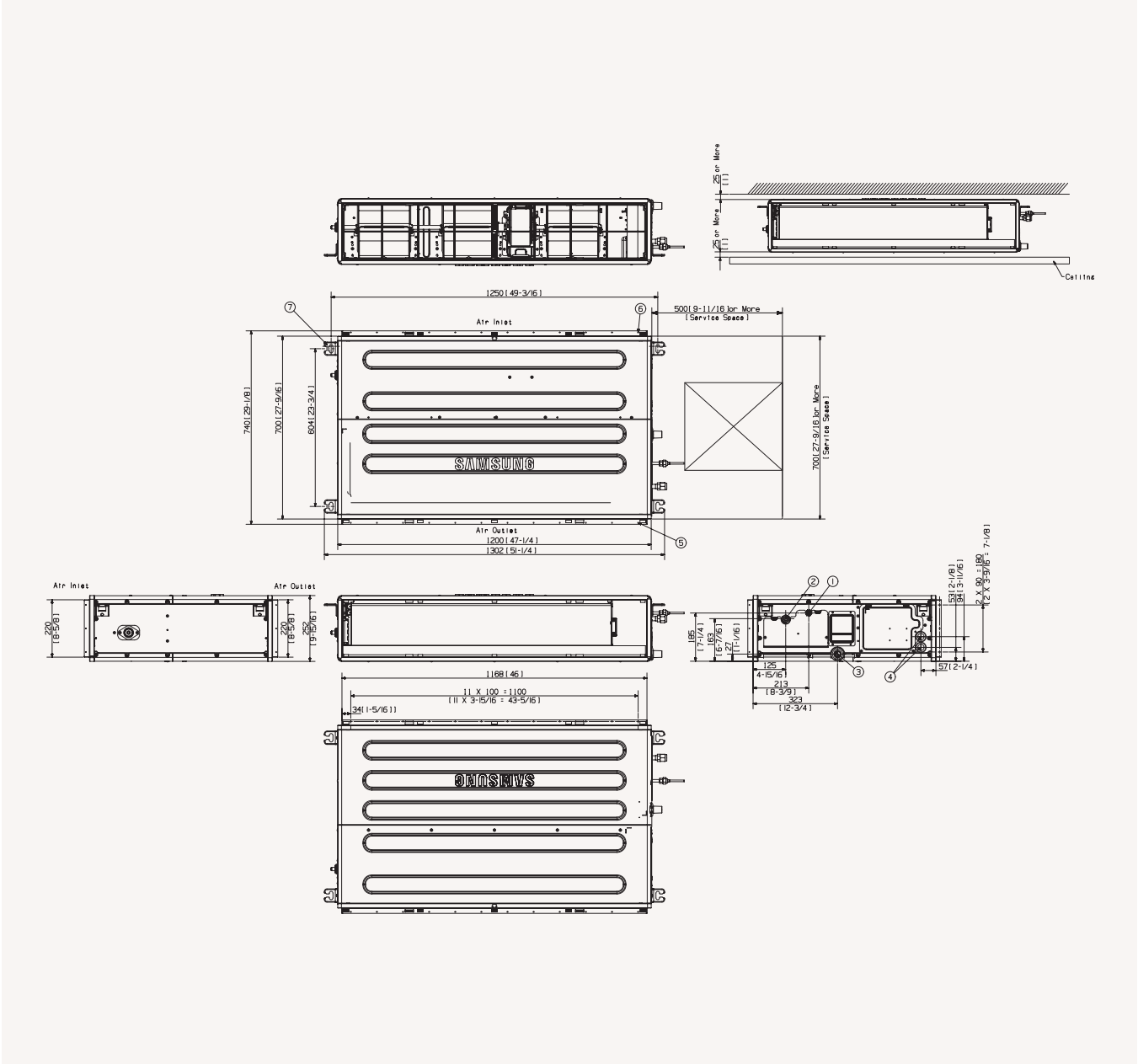
AC035/052/060/071*NMDK*/EU



NO	Name	Description		
		AC035*NMDK*/EU	AC052*NMDK*/EU	AC060*NMDK*/EU AC071*NMDK*/EU
1	Liquid piping		ø6.35 (1/4)	
2	Gas piping	ø9.52 (3/8)	ø12.70 (1/2)	ø15.88 (5/8)
3	Condensation drain piping		VP25 (OD 32, ID 25)	
4	Power supply/communication wiring conduits		-	
5	Air intake		-	
6	Air supply		-	
7	Air tie rods		Use M8-M10 bolt (4x)	

MSP Duct R32

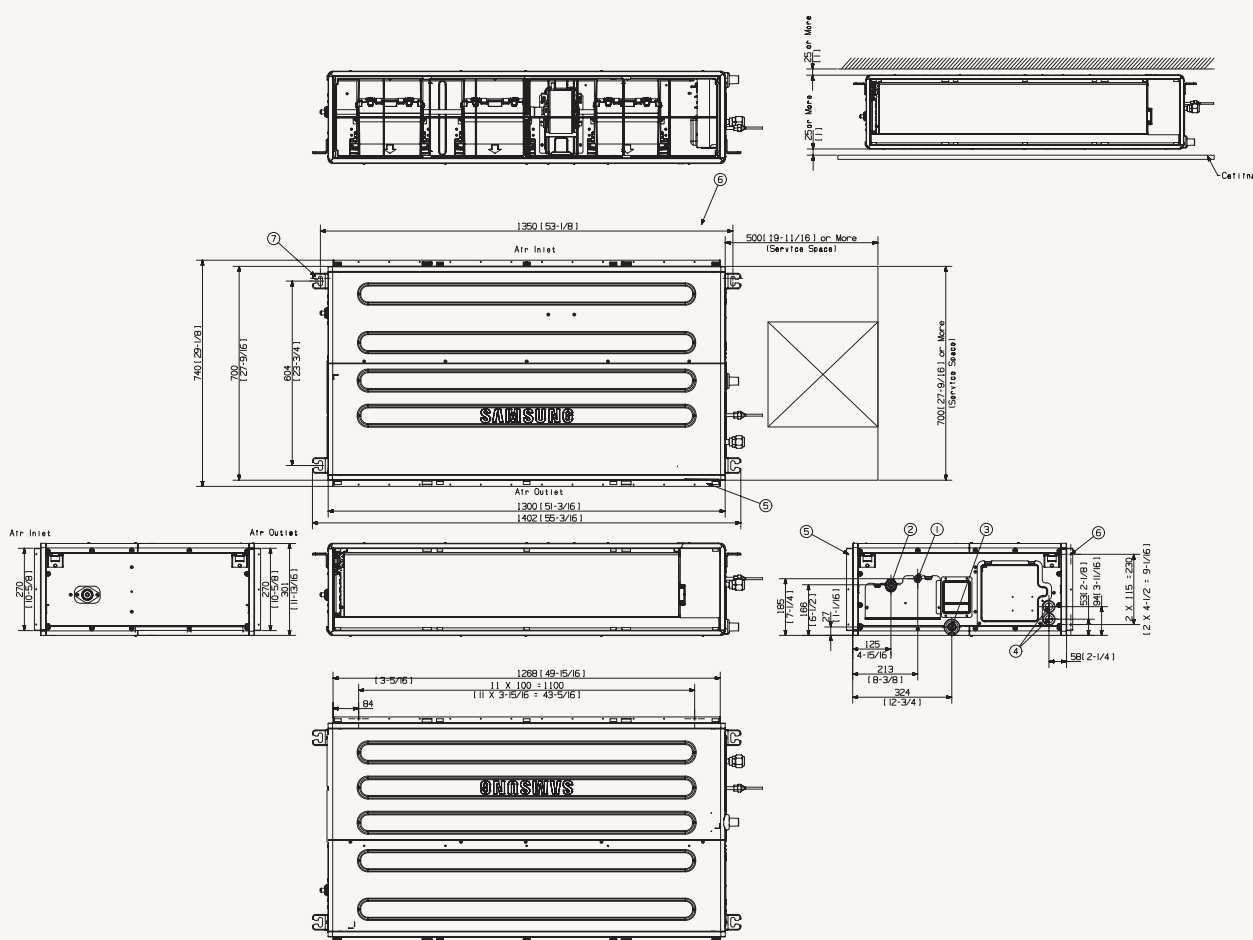
AC100*NMDK*/EU



NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air intake	
6	Air supply	
7	Air tie rods	Use M8-M10 bolt (4x)

MSP Duct (R32)

AC120/140*NMDK*/EU*



NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air intake	
6	Air supply	
7	Air tie rods	Use M8–M10 bolt (4x)



Specifications

MSP Duct HEE R32

- Smart pressure control with a range from 0 to 150Pa.
- Long-life washable permanent filter is included.
- Auto Restart function.
- Optional: Built-in condensation drain pump (750 mmH₂O).

- Operation range from -25°C until 52°C
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC035BNMPKG/EU AC035BXAPKG/EU	AC052BNMPKG/EU AC052BXAPKG/EU	AC071BNMPKG/EU AC071BXAPKG/EU AC071BXAPNG/EU	AC100BNMPKG/EU AC100BXAPKG/EU AC100BXAPNG/EU	AC120BNMPKG/EU AC120BXAPKG/EU AC120BXAPNG/EU	AC140BNMPKG/EU AC140BXAPKG/EU AC140BXAPNG/EU
Capacity								
	Cooling (Min/Nominal/Max)	kW	0.80/3.50/5.30	1.20/5.00/7.50	2.20/6.80/9.50	4.00/10.00/12.80	4.10/12.10/14.00	4.10/13.40/16.00
	Heating @ +7 °C (Min/Nominal/Max)	kW	0.78/4.00/5.70	1.10/6.00/9.50	1.90/8.00/10.50	3.10/11.20/17.30	3.10/13.20/22.00	3.10/15.50/24.00
	Heating @ -5 °C	kW						
	Heating @ -15 °C	kW						
Performance								
Energy Efficiency Cooling	SEER ¹	W/W	7.0/ A++	7.0/ A++	7.3/ A++	7.6/ A+	7.4/ A+	7.1/ A+
	Power Consumption	kWh/a	175	206	326	-	-	-
	P _{designc}	kW	3.5	5.0	6.8	10.0	12.1	13.4
	EER	W/W	3.72	3.73	4.02	4.07	3.72	3.48
Energy Efficiency Heating	SCOP ¹	W/W	4.3/ A+	4.6/ A++	4.3/ A+	4.4/ A+	4.0/ A+	4.0/ A+
	Power Consumption	kWh/a	749	1171	11530	-	-	-
	P _{designh} (average)	kW	2.3	4.1	4.7	7.8	9.5	9.5
	COP ¹	W/W	3.64	3.85	3.79	4.07	4.0	3.63
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	10.4/9.2/8.0	15.5/12.0/9.5	20.0/16.0/12.0	30.6/26.2/21.8	33.2/27.2/21.2	33.2/27.2/21.2
Sound Power	Indoor Unit	dB(A)	52	49	56	58	62	62
	Outdoor Unit	dB(A)	61	63	64	66	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	28/25/22	29/26/23	30/27/24	34/32/30	37/34/30	37/34/30
	Outdoor Unit (H/L)	dB(A)	46/46	48/46	49/47	50/47	56/54	54/53
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
	Power	W	125	125	125	125	125	125
	Number of Fans	-	1	1	1	2	2	2
External Static Pressure	Min/Std/Max	Pa	0.00/25.00/147.00	0.00/30.00/147.00	0.00/30.00/147.00	0.00/39.20/147.00	0.00/51.00/147.00	0.00/51.00/147.00
Operating Temperature Range	Cooling	°C	-20-52	-20-52	-20-52	-20-52	-20-52	-20-52
	Heating	°C	-25.0-24.0	-25.0-24.0	-25.0-24.0	-25.0-24.0	-25.0-24.0	-25.0-24.0
Electrical Data								
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	-	-
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	3Φ, 4, 380-415V, 50Hz	3Φ, 4, 380-415V, 50Hz	3Φ, 4, 380-415V, 50Hz	3Φ, 4, 380-415V, 50Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.21/0.94/2.10	0.29/1.34/2.45	0.49/1.69/3.30	0.73/2.46/3.60	0.78/3.25/4.35	0.78/3.85/5.10
	Heating	kW	0.19/1.10/2.70	0.24/1.56/3.55	0.38/2.11/4.50	0.62/2.75/6.20	0.62/3.30/7.30	0.62/4.27/8.10
Current Input	Cooling (Min/Std/Max)	A	1.4/4.5/9.2	1.9/6.2/10.8	2.6/8.0/14.9	3.9/11.2/15.9	-	-
	Heating (Min/Std/Max)	A	1.3/5.1/11.9	1.6/7.1/15.6	2.7/9.8/19.8	3.2/12.4/27.2	-	-
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	1.1/3.0/5.5	1.5/3.8/5.5	1.6/5.1/6.7	1.6/6.0/7.8
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	0.8/3.6/7.3	1.4/4.3/9.1	1.4/5.2/11.2	1.4/6.6/11.9
Dimensions								
Net Dimensions (W x H x D)	Indoor Unit	mm	850 x 250 x 700	850 x 250 x 700	1,200 x 250 x 700	1,300 x 300 x 700	1,300 x 300 x 700	1,300 x 300 x 700
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330
Net Weight	Indoor Unit	kg	26.5	26.5	34.5	38.5	38.5	38.5
	Outdoor Unit	kg	43	50	75	100	100	100



Indoor Unit			AC035BNMPKG/EU	AC052BNMPKG/EU	AC071BNMPKG/EU	AC100BNMPKG/EU	AC120BNMPKG/EU	AC140BNMPKG/EU
Outdoor Unit - Mono-Phase			AC035BXAPKG/EU	AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	AC120BXAPKG/EU	AC140BXAPKG/EU
Outdoor Unit - Tri-Phase				-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/EU	AC140BXAPNG/EU
Refrigerant								
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Factory Charging	kg	1.2/20 m	1.7/20 m	2.7/30 m	3.5/30 m	3.5/30 m	3.5/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.81	1.15	1.82	2.36	2.36	2.36
	Additional Refrigerant Charging	g/m	-	-	-	-	-	-
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	3/8	3/8	3/8	3/8
	Gas Pipe	ø, inch	3/8	1/2	5/8	5/8	5/8	5/8
Piping Length	Min/Max	m	5/30	5 / 50	5 / 55	5/ 85	5/ 85	5/ 85
Piping Height	Max	m	20	30	30	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP 25 (OD32, ID25)	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)
Others								
Panel	Model Code		-	-	-	-	-	-
	Net Dimensions (W x H x D)	mm	-	-	-	-	-	-
	Net Weight	kg	-	-	-	-	-	-
Accessories	Drain Pump		MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ
	Max. Lifting Height/ Displacement	mm / litres/h	750/24	750/24	750/24	750/24	750/24	750/24

Accessories



Drain Pump (optional)

Drain Pump (optional)

Wireless Remote Controller

Touch Controller

MDP-G075SP

MDP-G075SQ

AR-EH04E
(to be matched with MRK-A10N)

MWR-SH11N



Advanced Wired
Controller

Wi-Fi Kit

Wireless Receiver Kit

External Thermostat

MWR-WG00JN/ MWR-WG00KN

MIM-H04EN

MRK-A10N
(to be matched with AR-EH04E)

MRW-TA



Touch Centralised Controller

DMS 2.5

BACnet/Lonworks/PIM

ON/OFF Controller

MCM-A300N

MIM-D01AN

MIM-B17BN/B18BN/B16N

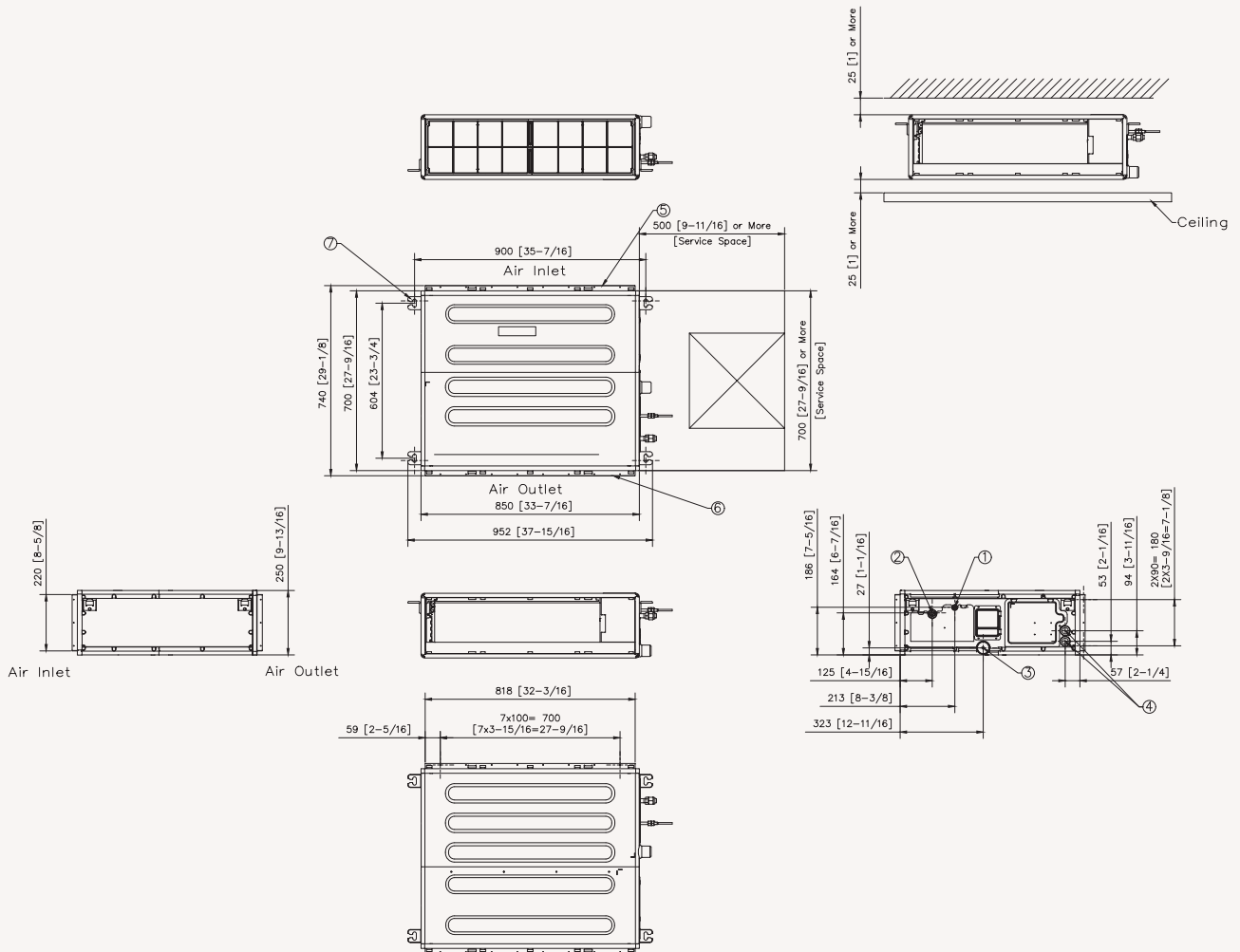
MCM-A202DN

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

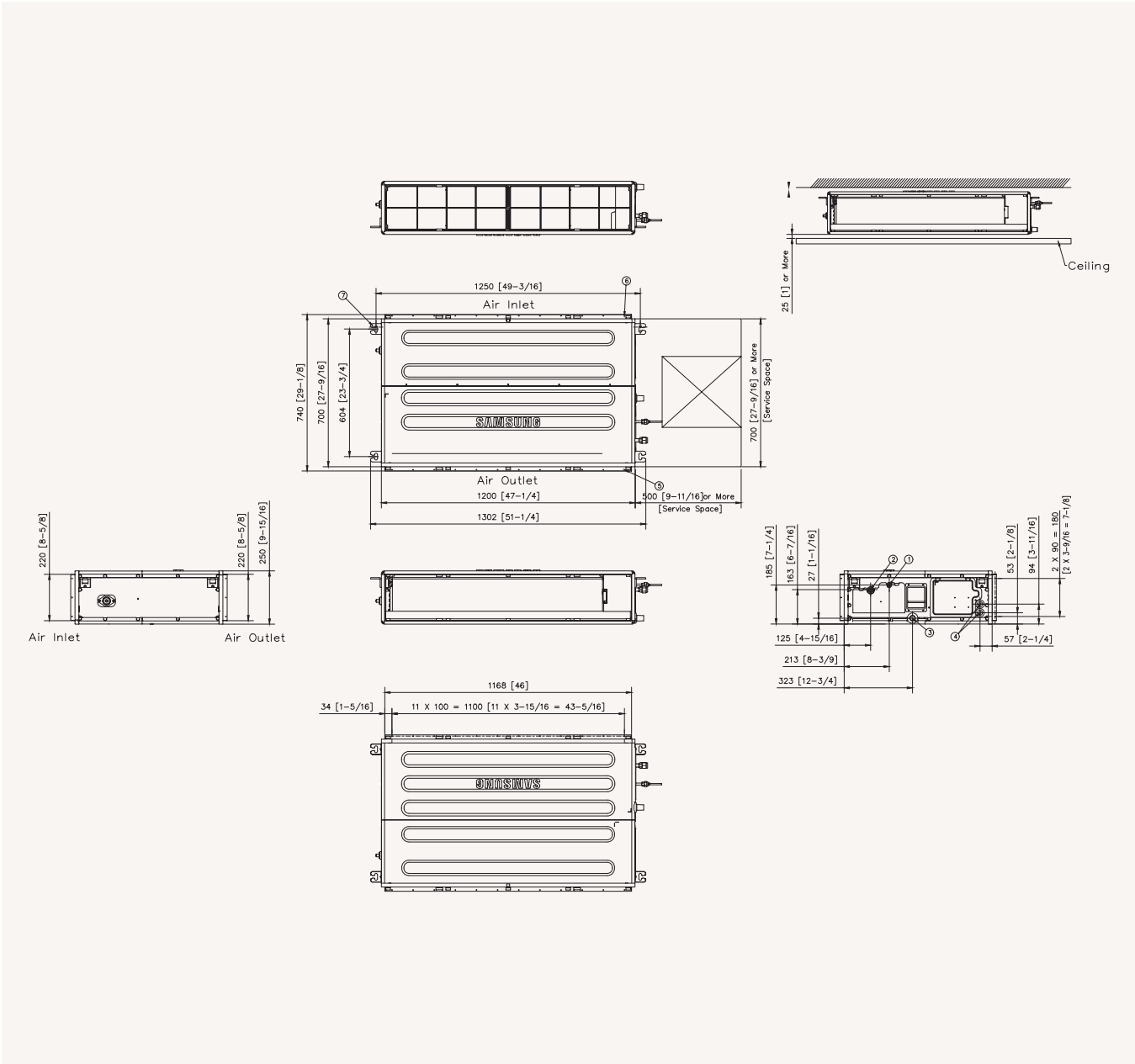
MSP Duct HEE R32

AC035/052BNMPKG/EU



MSP Duct HEE R32

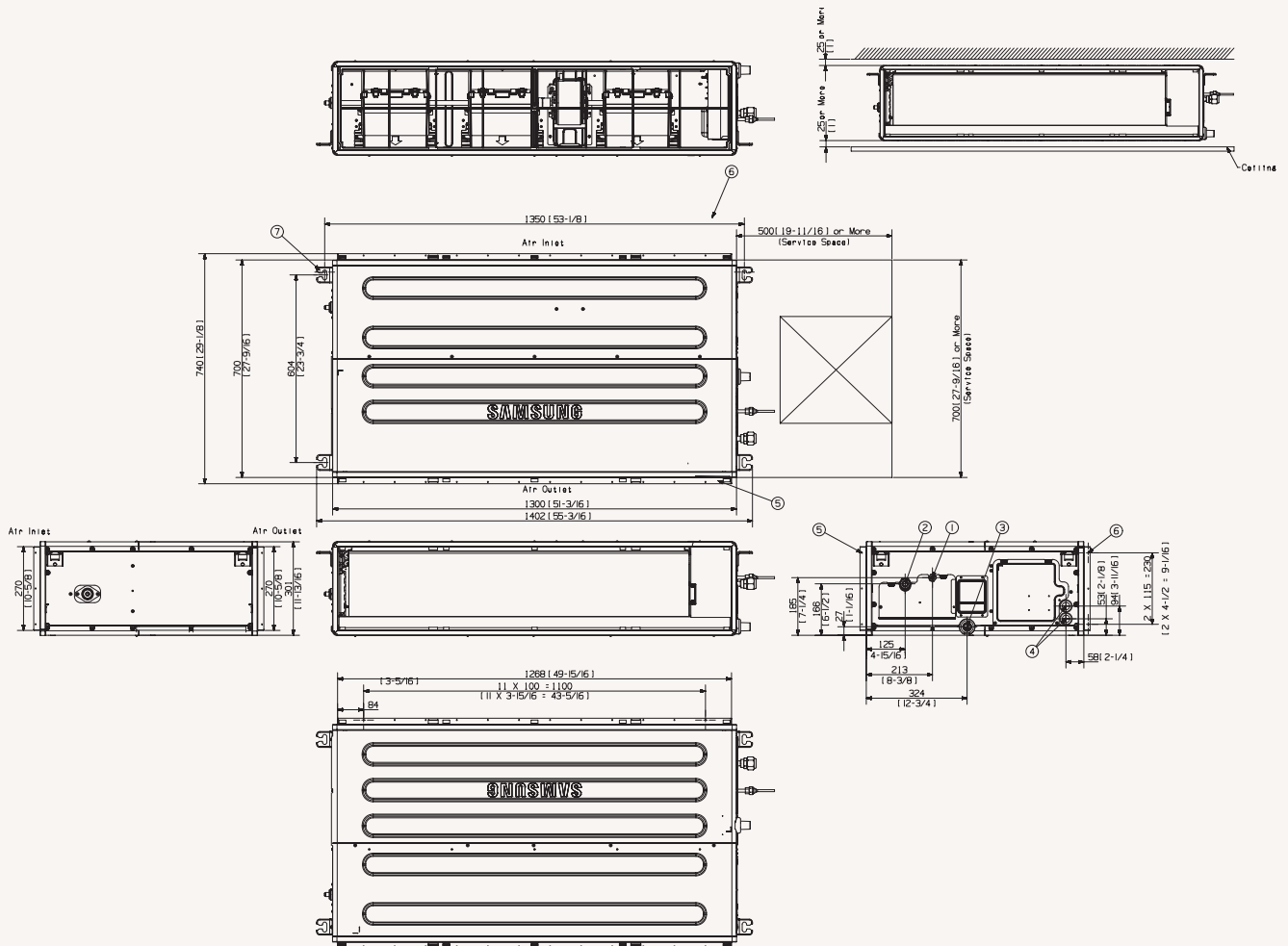
AC071BNMPKG/EU



Dimensional drawings

MSP Duct HEE R32

AC0100/120/140BNMPKG/EU





Specifications

LSP Duct R32

- Fan with inverter motor; prevalence adjustable up to 40 Pa; thickness of just 200.
- 750 mmH₂O condensation drain pump (optional); antibacterial filter included.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026BNLDKG/EU AC026RXADKG/EU	AC035RNLDKG/EU AC035RXADKG/EU	AC052BNLDKG/EU AC052RXADKG/EU	AC071BNLDKG/EU AC071RXADKG/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	0.80/2.60/3.80	0.85/3.50/4.30	1.20/5.00/6.50	1.50/7.10/8.70
	Heating @ +7 °C (Min/Nominal/Max)	kW	0.98/3.30/4.30	1.00/4.00/5.00	1.10/6.00/7.20	1.90/8.00/9.00
	Heating @ -5 °C	kW	3.2	3.9	5.9	7.8
	Heating @ -15 °C	kW	2.9	3.5	5.2	7.0
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	6.2/ A++	6.1/ A++	6.1/ A++	6.0/ A+
	Power Consumption	kWh/a	147	201	287	414
	Pdesignc	kW	2.60	3.50	5.00	7.10
	EER	W/W	3.82	3.12	2.96	2.98
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+	4.0/ A+	3.9/ A	3.9/ A
	Power Consumption	kWh/a	700	700	862	1,328
	Pdesignh (average)	kW	2.0	2.0	2.4	3.7
	COP ¹	W/W	3.79	3.31	3.45	3.36
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	9.0/8.2/7.4	9.5/8.5/7.5	13.5/11.5/9.5	19.0/14.5/10.0
Sound Power	Indoor Unit	dB(A)	53	53	55	59
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	32/29/26	33/30/27	33/30/27	37/32/27
	Outdoor Unit (H/L)	dB(A)	47/46	48/48	48/48	51/49
Fan/Outdoor Unit	Type		Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	153	153	153	153
	Number of Fans	-	2	2	3	3
External Static Pressure	Min/Std/Max	Pa	0.00/25.00/39.00	0.00/25.00/39.00	0.00/25.00/39.00	0.00/25.00/39.00
Operating Temperature Range	Cooling	°C	-15~46	-15~46	-15~50	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0	-20.0~24.0	-20.0~24.0
Electrical Data						
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	-	-
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.19/0.68/1.20	0.20/1.12/1.40	0.35/1.69/2.20	0.35/2.38/3.60
	Heating	kW	0.20/0.87/1.45	0.19/1.21/1.80	0.26/1.74/2.70	0.35/2.38/3.95
Current Input	Cooling (Min/Std/Max)	A	1.5/3.6/5.5	1.6/5.4/6.5	2.1/7.7/10.0	2.0/10.5/16.0
	Heating (Min/Std/Max)	A	1.3/4.5/7.0	1.3/5.8/10.5	1.7/7.8/12.0	2.0/10.4/17.0
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	700 x 199 x 600	700 x 199 x 600	1,100 x 200 x 450	1,100 x 200 x 450
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026BNLDKG/EU AC026RXADKG/EU	AC035RNLDKG/EU AC035RXADKG/EU	AC052BNLDKG/EU AC052RXADKG/EU	AC071BNLDKG/EU AC071RXADKG/EU
Net Weight	Indoor Unit	kg	19.0	19.0	23.5	23.5
	Outdoor Unit	kg	32.5	32.5	43.0	51.0
Refrigerant			R32 (contains fluorinated greenhouse gases. GWP = 675)			
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Factory Charging	kg	0.9/20 m	0.9/20 m	1.2/10 m	1.7/15 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.61	0.61	0.81	1.15
	Additional Refrigerant Charging	g/m	-	-	15	25
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	1/2	5/8
Piping Length	Min/Max	m	3/20	3/20	3/30	3/50
Piping Height	Max	m	15	15	20	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others						
Panel	Model Code		-	-	-	-
	Net Dimensions (W x H x D)	mm	-	-	-	-
	Net Weight	kg	-	-	-	-
Accessories	Drain Pump		MDP-E075SEE3D	MDP-E075SEE3D	MDP-G075SP	MDP-G075SP
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24

Accessories



Drain Pump (optional)	Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
MDP-E075SEE3D	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MCM-A300N



Wi-Fi Kit	Wireless Receiver Kit	External Thermostat
MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA



DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

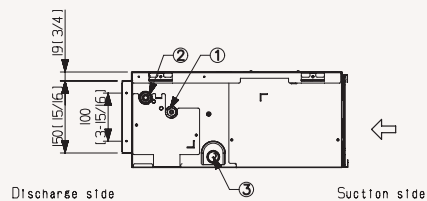
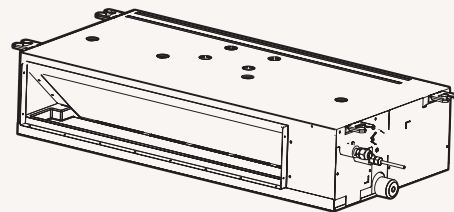
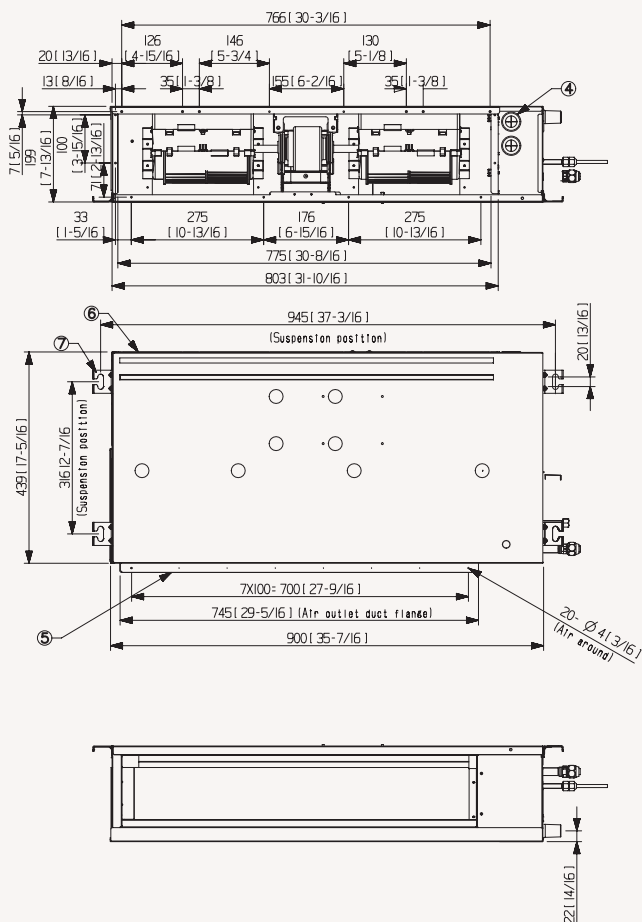
¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

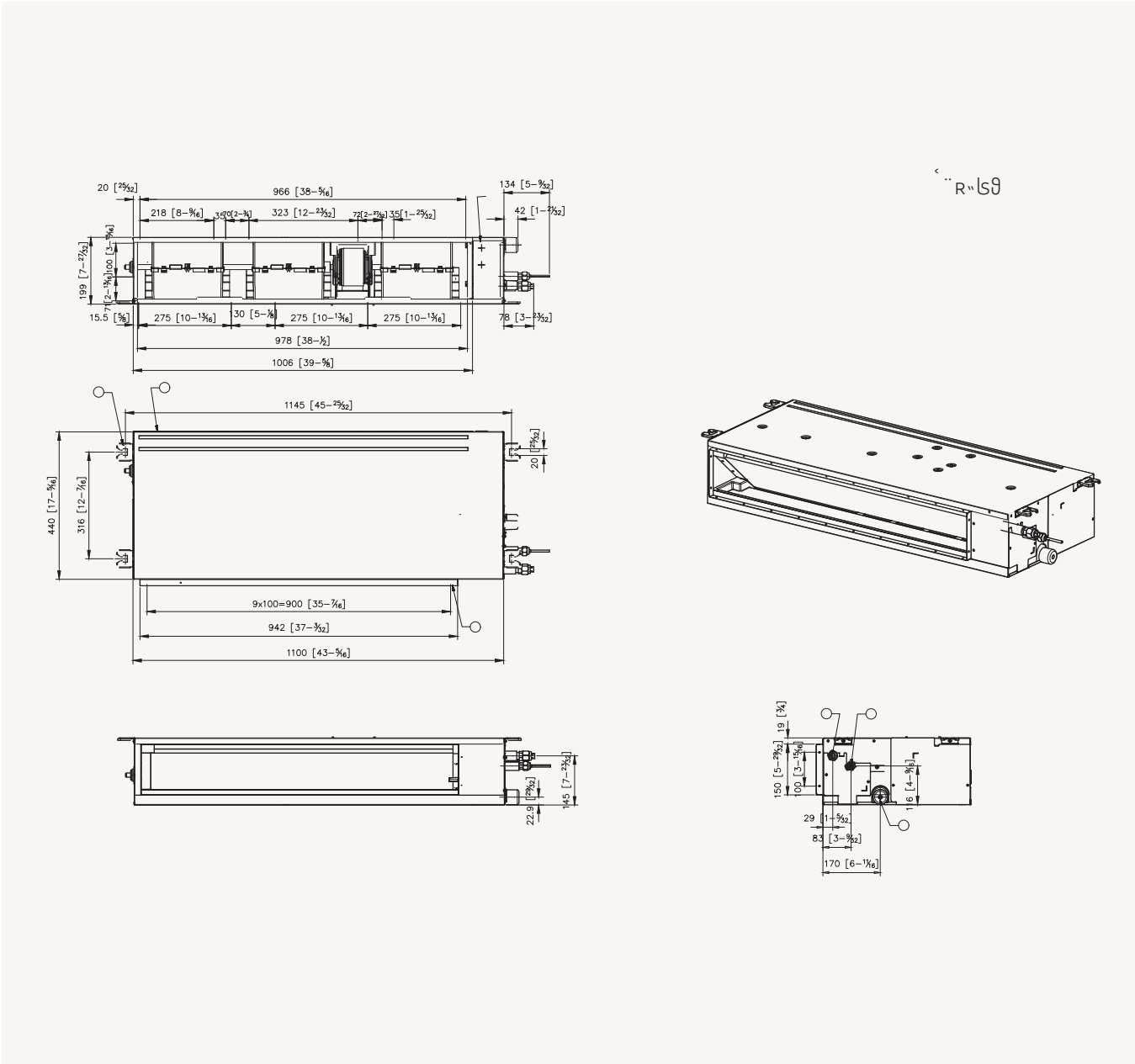
LSP Duct

R32

AC026/035BNLDKG/EU



NO	Name	Description
1	Refrigerant Liquid Pipe	Ø6.35 [1/4"] Flare Connection
2	Refrigerant Gas Pipe	Ø9.52 [3/8"] Flare Connection
3	Condensate Drain (Option)	VP25 (OD32, ID25)
4	Power supply & Communication wiring conduit	-
5	Supply Air Flange	-
6	Return Air Flange	-
7	Hook	-



NO	Name	Description	
		AC052BNLDKG/EU	AC071BNLDKG/EU
1	Refrigerant Liquid Pipe	Φ6.35 [1/4"] Flare Connection	
2	Refrigerant Gas Pipe	Φ12.7 [1/2"] Flare Connection	Φ15.88 [5/8"] Flare Connection
3	Condensate Drain (Option)	VP25 (OD32, ID25)	
4	Power supply & Communication wiring conduit	-	
5	Supply Air Flange	-	
6	Return Air Flange	-	
7	Hook	-	

Specifications

WindFree™ Deluxe R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode
- Wi-Fi Control with SmartThings and Bixby voice controls (optional)
- Equipped with Easy Filter Plus



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026TNXDKG/EU AC026RXADKG/EU	AC035TNXDKG/EU AC035RXADKG/EU	AC052TNXDKG/EU AC052RXADKG/EU	AC071TNXDKG/EU AC071RXADKG/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	1.0 / 2.6 / 4.0	1.0 / 3.5 / 4.5	1.5 / 5.0 / 6.8	2.0 / 7.1 / 8.7
	Heating up to +7 °C (Min/Nominal/Max)	kW	0.8 / 3.3 / 4.0	0.8 / 4.0 / 4.8	1.0 / 6.0 / 6.5	1.6 / 8.0 / 9.0
	Heating @ -5 °C	kW	-	-	-	-
	Heating @ -15 °C	kW	-	-	-	-
Performance						
Energy Efficiency Cooling	SEER¹	W/W	7.0/ A++	6.9/ A++	6.9/ A++	6.8/ A++
	Consumption	kWh/a	130	178	254	365
	Pdesignc	kW	2.6	3.5	5.0	7.1
	EER	W/W	4.06	3.50	3.57	3.09
Energy Efficiency Heating	SCOP¹	W/W	4.1/ A+	4.1/ A+	3.9/ A	4.0/ A+
	Consumption	kWh/a	717	717	862	1260
	Pdesignh (average)	kW	2.1	2.1	2.4	3.6
	COP¹	W/W	3.75	3.31	3.43	3.4
Airflow Rate	Indoor Unit (High/Mid/Low)	m³/min	10.3 / 8.4 / 7.0	12.2 / 9.8 / 7.9	16.7 / 13.9 / 11.8	17.8 / 15.2 / 13.2
Sound Power	Indoor Unit	dB(A)	56	59	60	61
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	36 / 30 / 24 / 21	40 / 34 / 28 / 23	42 / 37 / 32 / 25	44 / 39 / 35 / 30
	Outdoor Unit	dB(A)	46/47	48/48	48/48	49/51
Fan/Outdoor Unit	Type		Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Power	W	27	27	27	27
	Number	EA	1	1	1	1
Operating Temperature Range	Cooling	°C	-15 ~ 46	-15 ~ 46	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data						
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit 1P	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit 3P	Φ, #, V, Hz	-	-	-	-
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.18 / 0.64 / 1.20	0.19 / 1.00 / 1.40	0.24 / 1.40 / 2.20	0.39 / 2.30 / 3.40
	Heating	kW	0.15 / 0.88 / 1.35	0.15 / 1.21 / 1.40	0.20 / 1.75 / 2.05	0.33 / 2.35 / 3.30
Current Input	Cooling (Min/Std/Max)	A	1.4 / 3.1 / 5.5	1.4 / 4.6 / 6.0	1.5 / 6.3 / 9.6	2.5 / 10.0 / 14.7
	Heating (Min/Std/Max)	A	1.2 / 4.2 / 6.0	1.2 / 5.6 / 6.2	1.3 / 7.8 / 8.8	2.0 / 10.3 / 14.5

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026TNXDKG/EU AC026RXADKG/EU	AC035TNXDKG/EU AC035RXADKG/EU	AC052TNXDKG/EU AC052RXADKG/EU	AC071TNXDKG/EU AC071RXADKG/EU
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
	Indoor Unit	kg	9.1	9.1	11.5	12.2
	Outdoor Unit	kg	32.5	32.5	43.0	51.0
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases, GWP = 675)			
	Factory charging	kg	0.9 / 20 m	0.9 / 20 m	1.2 / 10 m	1.7 / 15 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.61	0.61	0.81	1.15
	Additional refrigerant charging	g / m	-	-	15	25
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8	1 / 2	5 / 8
Piping Length	Min / Max	m	3 / 20	3 / 20	3 / 30	3 / 50
Piping Height	Max	m	15	15	20	30
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18	ID 18	ID 18

Accessories



Wireless Remote Controller	Touch Controller	Advanced Wired Remote Controller	Touch Centralised Controller	Wi-Fi Kit
AR-EH03E	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-H04EN

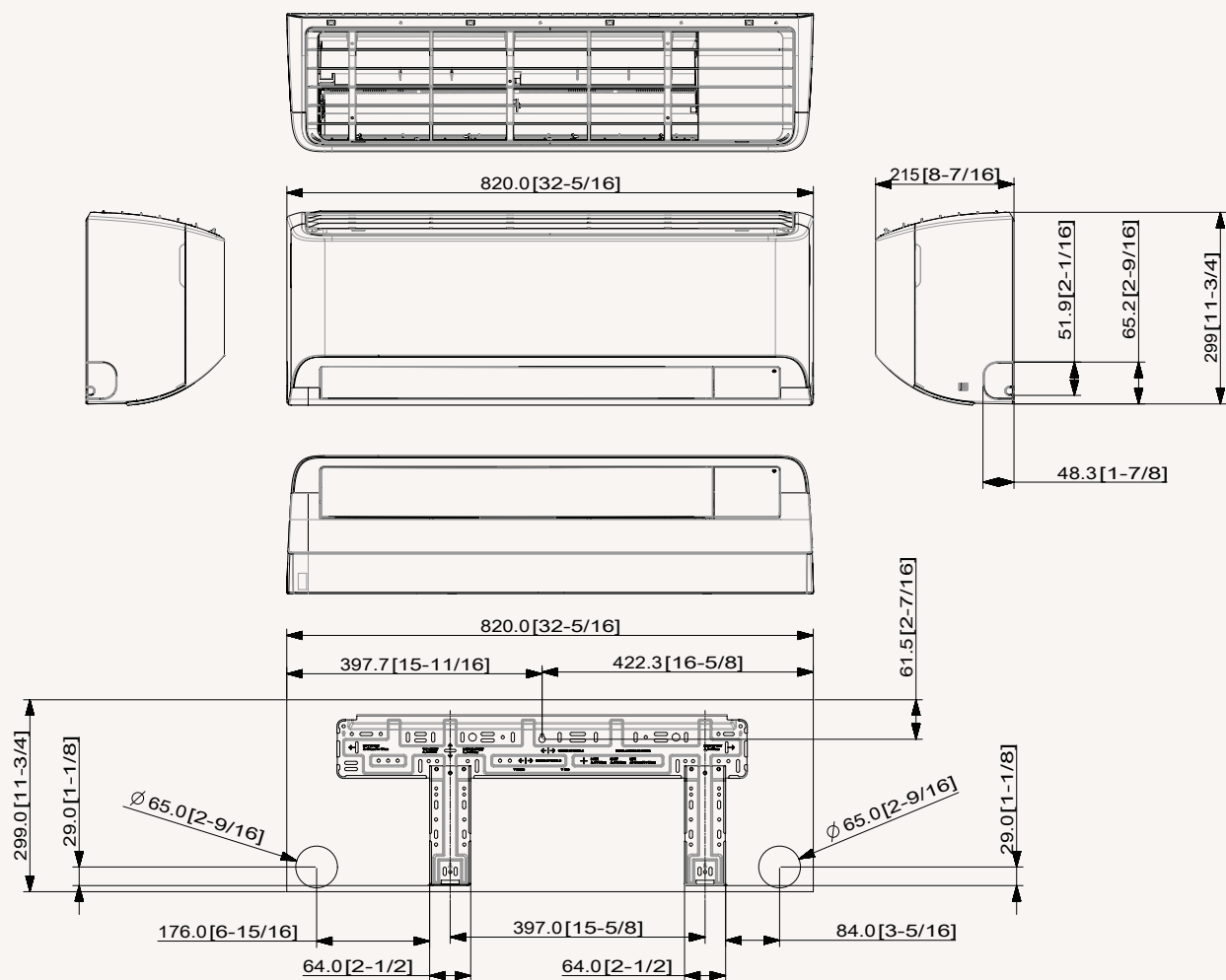


External Thermostat	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MRW-TA	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

Dimensional drawings

WindFree™ Deluxe R32

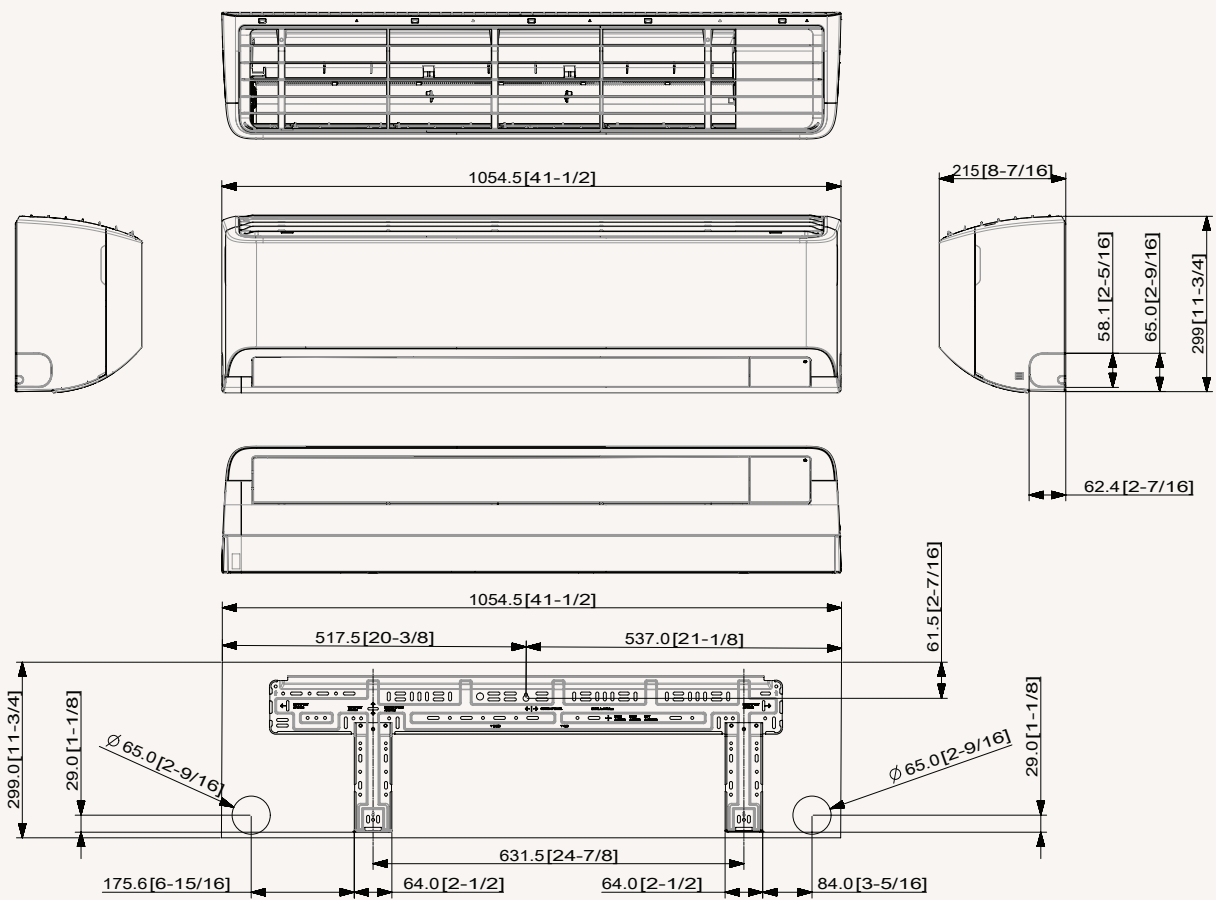
AC026TNXDKG/EU AC026RXADKG/EU



NO	Name	Description
1	Refrigerant gas pipe	$\phi 12.70$ (1/2) Flare
2	Refrigerant liquid pipe	$\phi 6.35$ (1/4) Flare
3	Drain pipe connection	ID 18 Hose

WindFree™ Deluxe R32

AC052TNXDKG/EU AC071TNXDKG/EU



NO	Name	Description
1	Refrigerant gas pipe	ø12.70 (1/2) Flare
2	Refrigerant liquid pipe	ø6.35 (1/4) Flare
3	Drain pipe connection	ID 18 Hose

Specifications

WindFree™ Deluxe HEE R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode
- Wi-Fi Control with SmartThings and Bixby voice controls (optional)
- Equipped with Easy Filter Plus
- Operation range from -25°C until 52°C
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026BNAPKG/EU AC026RXADKG/EU	AC035BNAPKG/EU AC035BXAPKG/EU	AC052BNAPKG/EU AC052BXAPKG/EU	AC071BNAPKG/EU AC071BXAPKG/EU AC071BXAPNG/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	0.98 / 2.60 / 4.20	1.00 / 3.50 / 5.10	1.20 / 5.00 / 7.30	2.00 / 7.10 / 9.20
	Heating up to +7 °C (Min/Nominal/Max)	kW	0.91 / 3.30 / 4.50	0.93 / 4.00 / 5.40	1.00 / 6.00 / 9.40	1.60 / 8.00 / 10.50
	Heating @ -5 °C	kW	-	-	-	-
	Heating @ -15 °C	kW	-	-	-	-
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	7.2/ A++	7.7/ A++	7.5/ A++	7.0/ A++
	Consumption	kWh/a	126	159	233	355
	Pdesignc	kW	2.6	3.5	5.0	7.1
	EER	W/W	4.0	4.07	3.94	3.26
Energy Efficiency Heating	SCOP ¹	W/W	4.3/ A+	4.6/ A++	4.6/ A	4.3/ A+
	Consumption	kWh/a	684	761	1187	1270
	Pdesignh (average)	kW	2.1	2.5	3.9	3.9
	COP ¹	W/W	3.79	4.04	3.8	3.32
Airflow Rate	Indoor Unit (High/Mid/Low)	m³/min	10.6 / 8.5 / 6.9	12.7 / 10.1 / 8.0	15.2 / 12.6 / 10.6	17.8 / 15.2 / 13.2
Sound Power	Indoor Unit	dB(A)	56	58	58	61
	Outdoor Unit	dB(A)	59	61	63	64
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	36 / 30 / 24 / 21	40 / 34 / 28 / 23	42 / 37 / 32 / 25	44 / 39 / 35 / 30
	Outdoor Unit	dB(A)	45/45	46/46	47/48	47/48
Fan/Outdoor Unit	Type		BLDC	BLDC	BLDC	BLDC
	Power	W	125	125	125	125
	Number	EA	1	1	1	1
Operating Temperature Range	Cooling	°C	-20~52	-20~52	-20~52	-20~52
	Heating	°C	-25.0~24.0	-25.0~24.0	-25.0~24.0	-25.0~24.0
Electrical Data						
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit 1P	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit 3P	Φ, #, V, Hz	-	-	-	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.21 / 0.65 / 1.41	0.22 / 0.86 / 2.10	0.25 / 1.27 / 2.41	0.46 / 2.18 / 3.10
	Heating	kW	0.19 / 0.87 / 2.45	0.19 / 0.99 / 2.50	0.23 / 1.58 / 3.40	0.37 / 2.41 / 4.50
Current Input	Cooling (Min/Std/Max)	A	1.4 / 3.2 / 6.2	1.4 / 4.1 / 9.2	1.6 / 5.9 / 10.6	2.4 / 10.0 / 14.0
	Heating (Min/Std/Max)	A	1.3 / 4.1 / 10.8	1.3 / 4.6 / 11.4	1.5 / 7.2 / 14.9	2.6 / 10.9 / 19.8
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	-	1.1 / 3.7 / 5.3
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	-	0.8 / 4.0 / 7.3

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026BNAPKG/EU AC026RXADKG/EU	AC035BNAPKG/EU AC035BXAPKG/EU	AC052BNAPKG/EU AC052BXAPKG/EU	AC071BNAPKG/EU AC071BXAPKG/EU AC071BXAPNG/EU
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 215 x 299	889 x 215 x 299	1,055 x 215 x 299	1,055 x 215 x 299
	Outdoor Unit	mm	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330
	Indoor Unit	kg	10.6	10.6	12.7	12.7
	Outdoor Unit	kg	43	43	50	75
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases, GWP = 675)			
	Factory charging	kg	1.2/20 m	1.2/20 m	1.7/20 m	2.7/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.81	0.81	1.15	1.82
	Additional refrigerant charging	g / m	-	-		
Piping Connections	Liquid Pipe	Φ.inch	1/4	1/4	1/4	3/8
	Gas Pipe	Φ.inch	3/8	3/8	1/2	5/8
Piping Length	Min/Max	m	5 / 30	5 / 30	5 / 50	5 / 55
Piping Height	Max	m	20	20	30	30
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18	ID 18	ID 18

Accessories



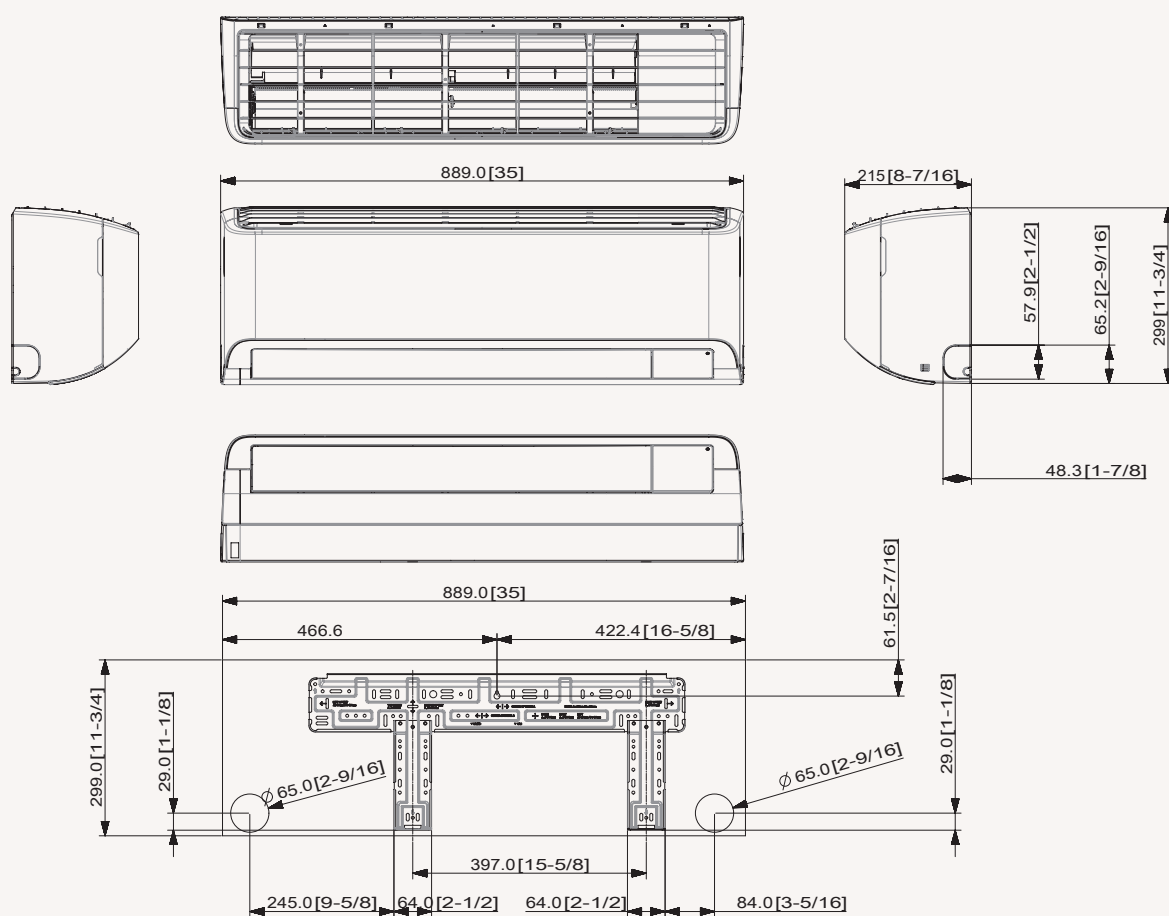
Wireless Remote Controller	Touch Controller	Advanced Wired Remote Controller	Touch Centralised Controller	Wi-Fi Kit
AR-EH04E	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-H04EN



External Thermostat	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MRW-TA	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

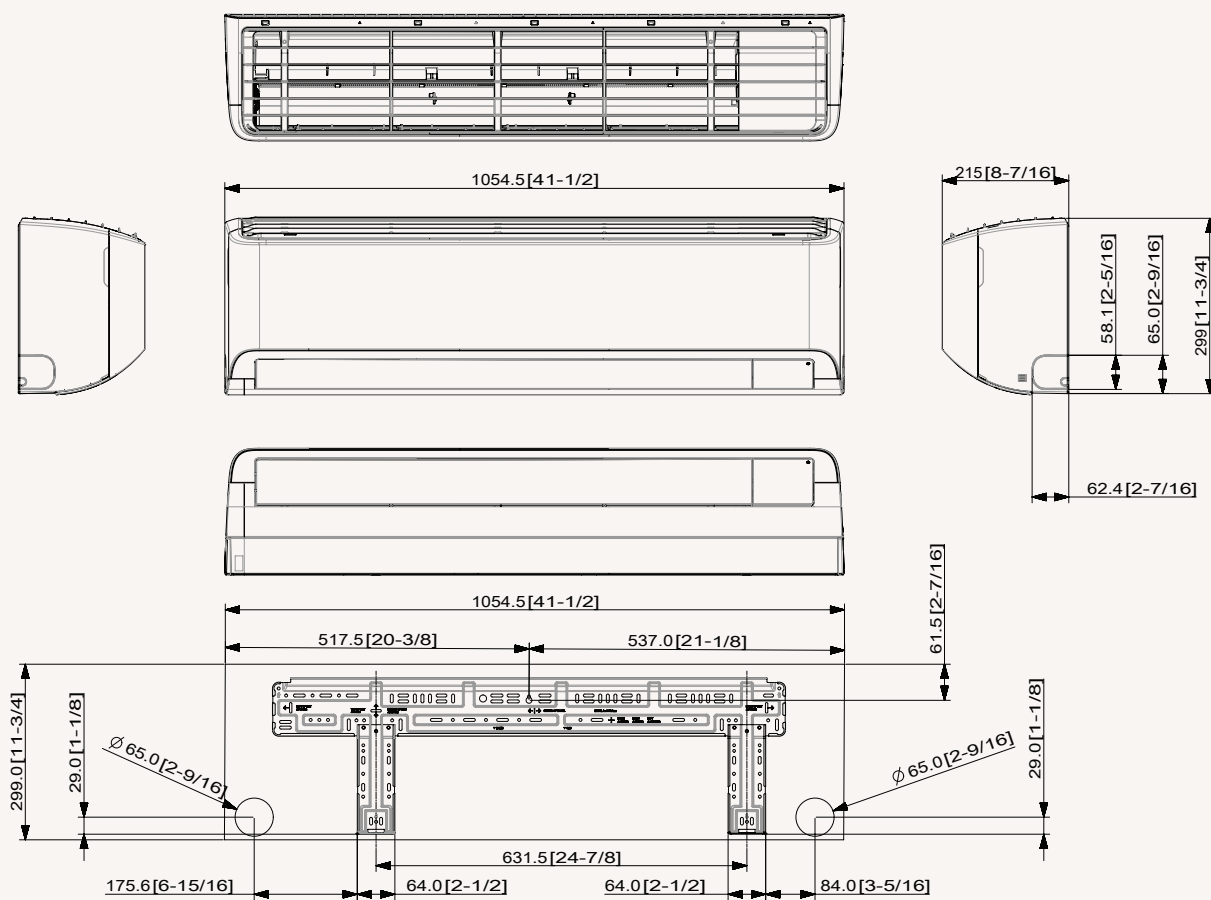
WindFree™ Deluxe HEE (R32)

AC026/035BNAPKG/EU



WindFree™ Deluxe HEE R32

AC052/071BNAPKG/EU



Specifications

Max Wall-Mounted R32

- Full HD Filter.
- Wi-Fi kit (optional)



Indoor Unit	AC100RNTDKG/EU
Outdoor Unit - Mono-Phase	AC100RXADKG/EU
Outdoor Unit - Tri-Phase	AC100RXADNG/EU

Capacity			
	Cooling (Min/Nominal/Max)	kW	3.0/9.5/11.0
	Heating @ +7 °C (Min/Nominal/Max)	kW	2.2/10.8/15.5
	Heating @ -5 °C	kW	10.6
	Heating @ -15 °C	kW	9.4
Performance			
Energy Efficiency Cooling	SEER ¹	W/W	5.9/ A+
	Power Consumption	kWh/a	564
	Pdesignnc	kW	9.5
	EER	W/W	2.53
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+
	Power Consumption	kWh/a	1,960
	Pdesignh (average)	kW	5.6
	COP ¹	W/W	2.82
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	22.7/19.8/17.8
Sound Power	Indoor Unit	dB(A)	65
	Outdoor Unit	dB(A)	69
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	49/46/43/37
	Outdoor Unit (H/L)	dB(A)	54/52
Fan/Outdoor Unit	Type		Crossflow Fan
	Power	W	58
	Number of Fans	-	2
Operating Temperature Range	Cooling	°C	-15~50
	Heating	°C	-20.0~24.0

Indoor Unit	AC100RNTDKG/EU
Outdoor Unit - Mono-Phase	AC100RXADKG/EU
Outdoor Unit - Tri-Phase	AC100RXADNG/EU

Electrical Data			
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.60/3.75/5.10
	Heating	kW	0.46/3.82/5.40
Current Input	Cooling (Min/Std/Max)	A	3.0/16.3/22.5
	Heating (Min/Std/Max)	A	2.5/16.7/23.0
	Cooling - Tri-Phase (Min/Std/Max)	A	1.5/5.7/7.7
	Heating - Tri-Phase (Min/Std/Max)	A	1.2/5.7/8.4
Dimensions			
Net Dimensions (W x H x D)	Indoor Unit	mm	1,280 x 345 x 253
	Outdoor Unit	mm	940 x 998 x 330
Net Weight	Indoor Unit	kg	18.5
	Outdoor Unit	kg	75.0
Refrigerant			
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)
	Factory Charging	kg	2.7/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	1.82
	Additional Refrigerant Charging	g/m	50
Piping Connections	Liquid Pipe	ø, inch	3/8
	Gas Pipe	ø, inch	5/8
Piping Length	Min/Max	m	3/50
Piping Height	Max	m	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)

Accessories



Touch Controller	Advanced Wired Remote Controller	Touch Centralised Controller	Wi-Fi Kit
MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-H04EN



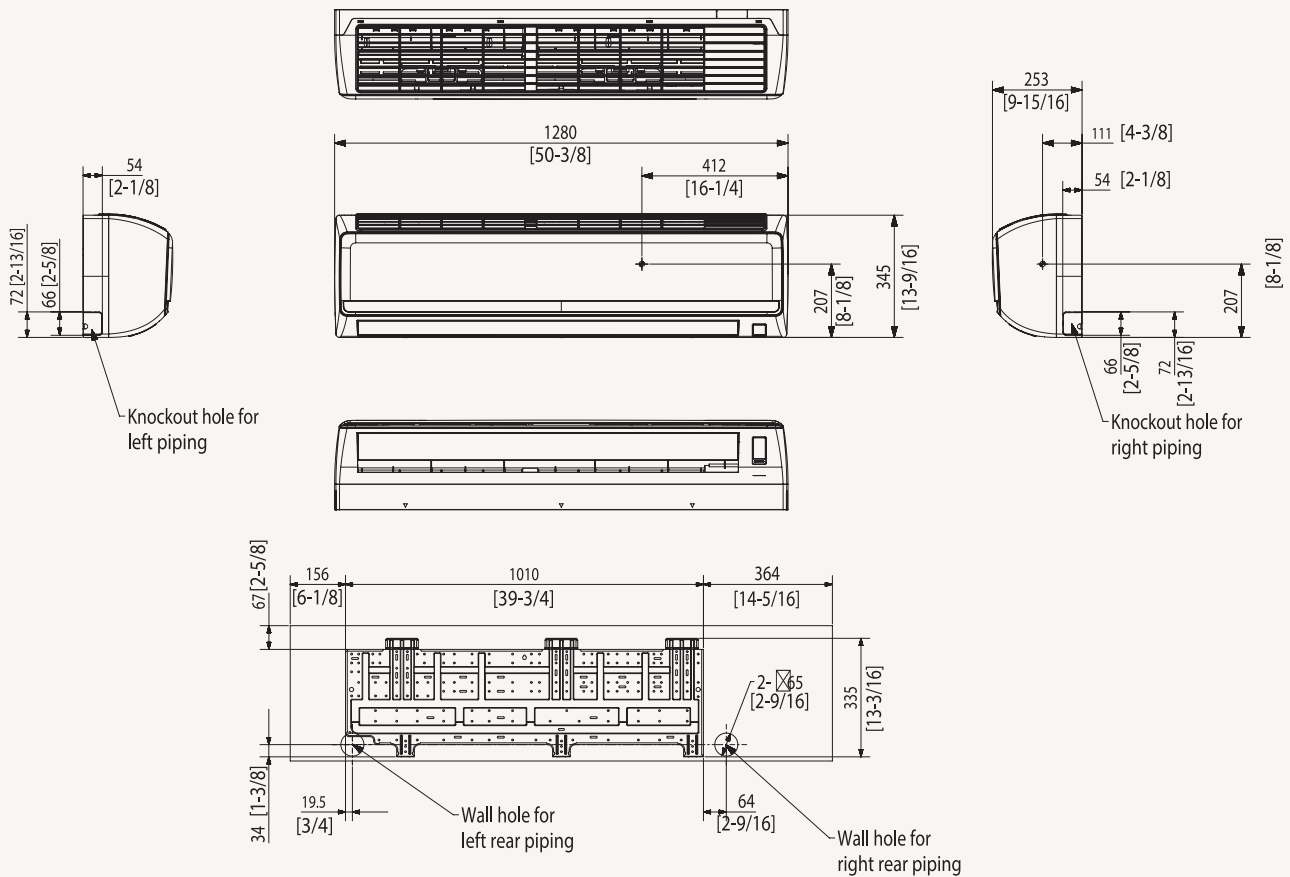
External Thermostat	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MRW-TA	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Max Wall-Mounted R32

AC100*NTD**/EU



Specifications

Max Wall-Mounted HEE R32

- Full HD Filter.
- Wi-Fi kit (optional)
- Operation range from -25°C until 52°C
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit	AC100BNTPKG/EU
Outdoor Unit - Mono-Phase	AC100BXAPKG/EU
Outdoor Unit - Tri-Phase	AC100BXAPNG/EU

Capacity			
	Cooling (Min/Nominal/Max)	kW	3.60 / 9.50 / 12.10
	Heating @ +7 °C (Min/Nominal/Max)	kW	2.90 / 10.80 / 16.20
	Heating @ -5 °C	kW	
	Heating @ -15 °C	kW	
Performance			
Energy Efficiency Cooling	SEER ¹	W/W	6.9/ A++
	Power Consumption	kWh/a	482
	Pdesignc	kW	9.5
	EER	W/W	3.47
Energy Efficiency Heating	SCOP ¹	W/W	4.1/ A+
	Power Consumption	kWh/a	2220
	Pdesignh (average)	kW	6.5
	COP ¹	W/W	3.13
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	22.7/19.8/17.8
Sound Power	Indoor Unit	dB(A)	65
	Outdoor Unit	dB(A)	66
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	49/46/43/37
	Outdoor Unit (H/L)	dB(A)	54/52
Fan/Outdoor Unit	Type		BLDC
	Power	W	125
	Number of Fans	-	1
Operating Temperature Range	Cooling	°C	-20-52
	Heating	°C	-25.0-24.0

Indoor Unit	AC100BNTPKG/EU
Outdoor Unit - Mono-Phase	AC100BXAPKG/EU
Outdoor Unit - Tri-Phase	AC100BXAPNG/EU

Electrical Data			
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	3Φ, 4, 380-415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.78 / 2.74 / 4.20
	Heating	kW	0.65 / 3.45 / 6.40
Current Input	Cooling (Min/Std/Max)	A	4.0 / 12.3 / 18.3
	Heating (Min/Std/Max)	A	4.0 / 15.3 / 27.9
	Cooling - Tri-Phase (Min/Std/Max)	A	1.5 / 4.6 / 6.7
	Heating - Tri-Phase (Min/Std/Max)	A	1.3 / 5.6 / 9.3
Dimensions			
Net Dimensions (W x H x D)	Indoor Unit	mm	1,280 x 345 x 253
	Outdoor Unit	mm	940 x 1,420 x 330
Net Weight	Indoor Unit	kg	18.5
	Outdoor Unit	kg	100
Refrigerant			
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)
	Factory Charging	kg	3.5/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	2.36
	Additional Refrigerant Charging	g/m	
Piping Connections	Liquid Pipe	ø, inch	3/8
	Gas Pipe	ø, inch	5/8
Piping Length	Min/Max	m	5/ 85
Piping Height	Max	m	30
Piping Connections	Drain Pipe	ø, mm	ID 18

Accessories



Touch Controller	Advanced Wired Remote Controller	Touch Centralised Controller	Wi-Fi Kit
MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300N	MIM-H04EN



External Thermostat	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MRW-TA	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

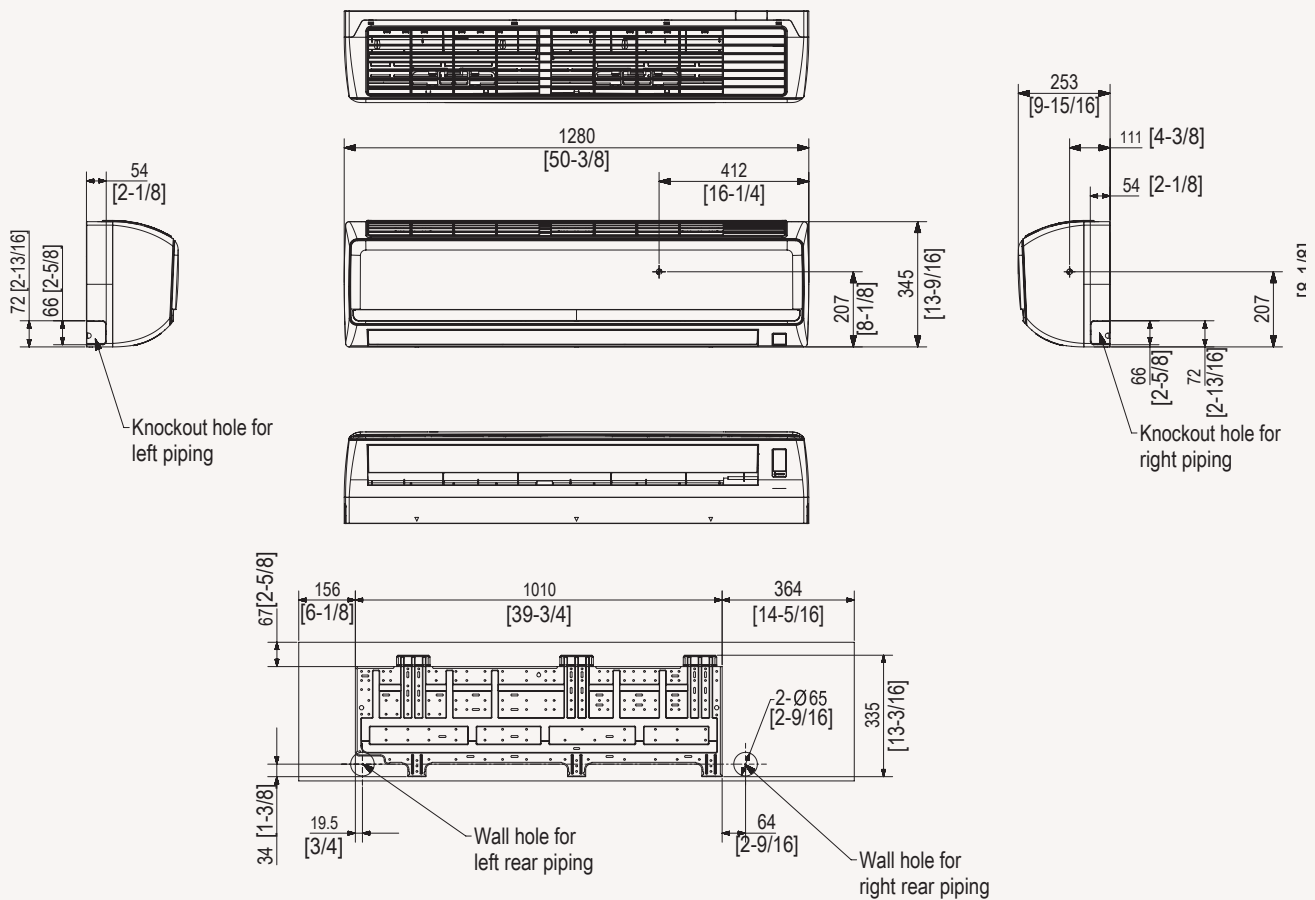
¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Max Wall-Mounted HEE

R32

AC100BNTPKG/EU



Specifications

Console R32

- SPI Ioniser (included).
- Slim design: only 199 mm in depth.
- Two separate air outlets are possible, upper (cooling or heating) and bottom (cooling and heating)

- Long-life washable permanent filter.
- Auto Restart function.



Indoor Unit			AC026RNJDKG/EU	AC035RNJDKG/EU	AC052RNJDKG/EU
Outdoor Unit - Mono-Phase			AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU
Outdoor Unit - Tri-Phase					
Capacity					
	Cooling (Min/Nominal/Max)	kW	1.0/2.6/3.4	1.0/2.6/3.4	1.9/5.0/5.5
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.0/3.5/4.2	1.1/4.0/4.6	1.5/5.6/6.5
	Heating @ -5 °C	kW	3.4	3.9	5.5
	Heating @ -15 °C	kW	3.00	3.50	4.90
Performance					
Energy Efficiency Cooling	SEER ¹	W/W	6.4/ A++	6.1/ A++	5.9/ A+
	Power Consumption	kWh/a	142	201	297
	Pdesignc	kW	2.6	3.5	5.0
	EER	W/W	3.61	3.12	2.79
Energy Efficiency Heating	SCOP ¹	W/W	4.2/ A+	4.1/ A+	4.0/ A+
	Power Consumption	kWh/a	667	683	840
	Pdesignh (average)	kW	2.0	2.0	2.4
	COP ¹	W/W	3.30	3.07	3.01
Airflow Rate	Indoor Unit (H/M/L)	m³/min	7.5/6.8/6.0	8.5/7.2/6.2	9.4/8.4/7.4
Sound Power	Indoor Unit	dB(A)	53	55	60
	Outdoor Unit	dB(A)	59	61	62
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	36/31/26/23	38/34/30/24	43/39/35/32
	Outdoor Unit (H/L)	dB(A)	47/46	48/48	48/48
Fan/Outdoor Unit	Type		Turbo	Turbo	Turbo
	Power	W	37	35	35
	Number of Fans	-	1	1	1
Operating Temperature Range	Cooling	°C	-15~46	-15~46	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0	-20.0~24.0
Electrical Data					
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	-
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.23/0.72/1.20	0.25/1.12/1.50	0.25/1.79/2.20
	Heating	kW	0.21/1.06/1.45	0.21/1.30/1.80	0.25/1.86/2.50
Current Input	Cooling (Min/Std/Max)	A	1.6/3.6/5.5	1.6/5.5/7.5	2.6/8.0/10.0
	Heating (Min/Std/Max)	A	1.3/5.0/7.0	1.3/5.9/10.5	2.3/8.3/14.0
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	720 x 199 x 620	720 x 199 x 620	720 x 199 x 620
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
Net Weight	Indoor Unit	kg	16.0	16.0	16.0
	Outdoor Unit	kg	32.5	35.5	46.5
Refrigerant					
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Factory Charging	kg	0.9/20 m	0.9/20 m	1.2/10 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.61	0.61	0.81
	Additional Refrigerant Charging	g/m	-	-	15
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	1/2
Piping Length	Min/Max	m	3/20	3/20	3/30
Piping Height	Max	m	15	15	20
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18	ID 18

Accessories



Wireless Remote Controller

AR-EH03E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN



External Thermostat

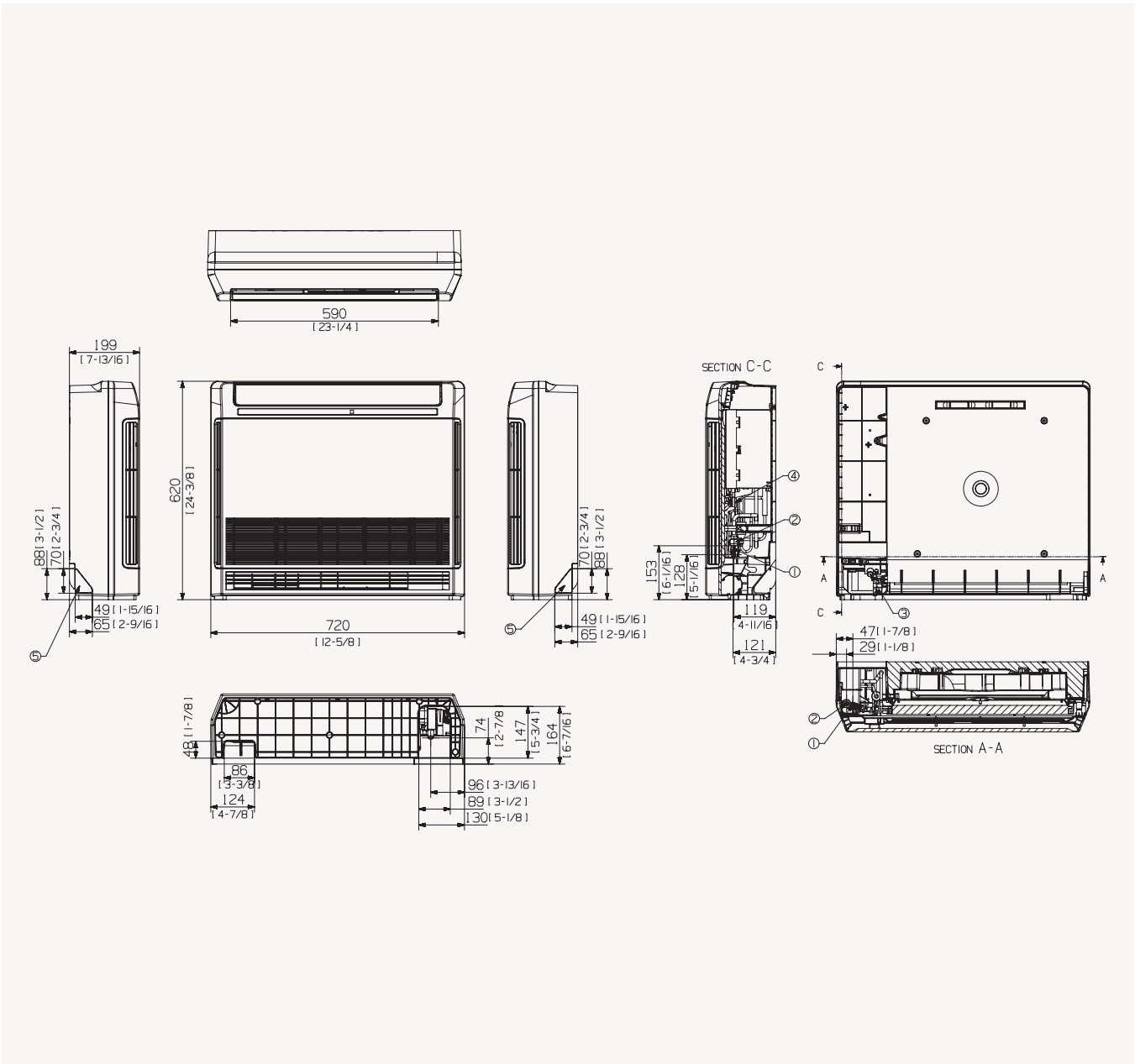
MRW-TA

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Console R32

AC026/035/052*NJDK*/EU



NO	Name	Description	
		AC026/35RNJDKG/EU	AC052RNJDKG/EU
1	Liquid piping	ø6.35 (1/4)	
2	Gas piping	ø9.52 (3/8)	ø12.70 (1/2)
3	Condensation drain piping	ID 18 [11/16] Hose	
4	Power supply/communication wiring conduits		
5	Condensation drain piping		

Specifications

Console HEE R32

- Slim design: only 199 mm in depth.
- Two separate air outlets, upper (cooling) and bottom (heating) to avoid stratification.
- Long-life washable permanent filter.
- Auto Restart function.

- Operation range from -25°C until 52°C
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis



Indoor Unit			AC026BNJPKG/EU	AC035BNJPKG/EU
Outdoor Unit - Mono-Phase			AC026RXADKG/EU	AC035BXAPKG/EU
Outdoor Unit - Tri-Phase				
Capacity				
	Cooling (Min/Nominal/Max)	kW	0.78 / 2.60 / 4.10	0.89 / 3.50 / 4.90
	Heating up to +7 °C (Min/Nominal/Max)	kW	0.80 / 3.50 / 4.70	1.00 / 4.00 / 5.30
	Heating @ -5 °C	kW		
	Heating @ -15 °C	kW		
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	6.4/ A++	6.1/ A++
	Power Consumption	kWh/a	142	161
	Pdesignc	kW	2.6	3.5
	EER	W/W	3.88	3.33
Energy Efficiency Heating	SCOP ¹	W/W	4.2/ A+	4.1/ A+
	Power Consumption	kWh/a	667	683
	Pdesignh (average)	kW	2.0	2.0
	COP ¹	W/W	3.33	3.13
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	7.5 / 6.8 / 6.0	8.5 / 7.2 / 6.2
Sound Power	Indoor Unit	dB(A)	53	55
	Outdoor Unit	dB(A)	59	61
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	36/31/26/23	38/34/30/24
	Outdoor Unit (H/L)	dB(A)	45/45	46/46
Fan/Outdoor Unit	Type		BLDC	BLDC
	Power	W	125	125
	Number of Fans	-	1	1
Operating Temperature Range	Cooling	°C	-20-52	-20-52
	Heating	°C	-25.0-24.0	-25.0-24.0
Electrical Data				
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.22 / 0.67 / 1.45	0.23 / 1.05 / 2.05
	Heating	kW	0.19 / 1.05 / 2.50	0.20 / 1.28 / 2.65
Current Input	Cooling (Min/Std/Max)	A	1.5 / 3.3 / 6.4	1.5 / 5.0 / 9.0
	Heating (Min/Std/Max)	A	1.3 / 4.9 / 11.0	1.3 / 5.9 / 11.8
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	720 x 199 x 620	720 x 199 x 620
	Outdoor Unit	mm	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	16	16
	Outdoor Unit	kg	43	43
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	1.2/20 m	1.2/20 m
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.81	0.81
	Additional Refrigerant Charging	g/m	-	-
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8
Piping Length	Min/Max	m	5/30	5/30
Piping Height	Max	m	20	20
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18

Accessories



Wireless Remote Controller

AR-EH04E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN



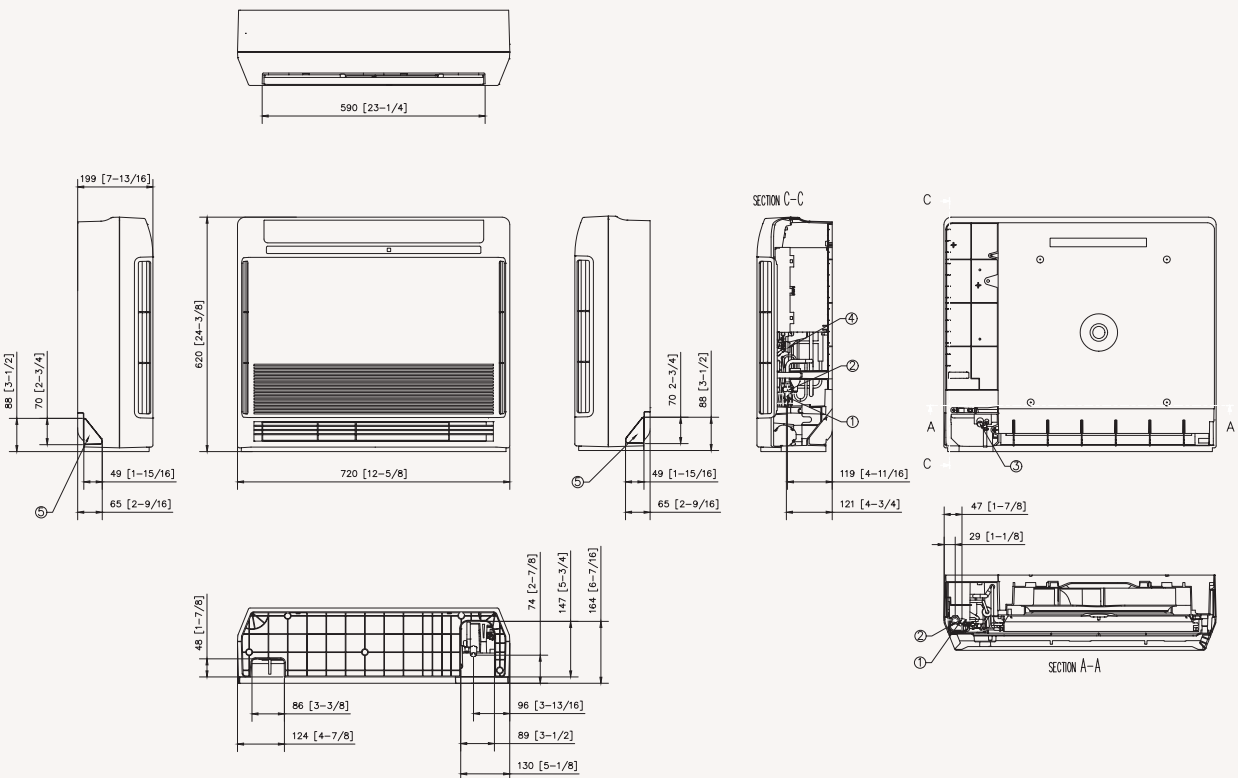
External Thermostat

MRW-TA

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Console HEE R32

AC026/035BNJPKG/EU



NO	Name	Description
		AC026BNJPKG/EU AC035BNJPKG/EU
1	Liquid pipe connection	ø6.35 (1/4)
2	Gas pipe connection	Φ9.52(3/8) Φ12.7(1/2)
3	Drain pipe connection	ID18mm [11/16inch] Hose
4	Power supply & Communication wiring conduit	
5	Knockout hole for drain hose	

Specifications

Ceiling R32

- Horizontal installation.
- Air supply by means of one adjustable blade; blade angle between 4° and 45°.
- Long-life washable HD 40 permanent filter is included.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC052RNC DKG/EU AC052RXADKG/EU	AC071RNC DKG/EU AC071RXADKG/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	1.20/5.00/6.50	1.50/7.10/8.70
	Heating up to +7 °C (Min/Nominal/Max)	kW	1.70/6.00/7.70	1.90/8.00/9.00
	Heating @ -5 °C	kW	5.9	7.8
	Heating @ -15 °C	kW	5.20	7.00
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	6.1/ A++	5.6/ A+
	Power Consumption	kWh/a	273	444
	Pdesignc	kW	5.0	7.1
	EER	W/W	3.05	2.42
Energy Efficiency Heating	SCOP ¹	W/W	3.9/ A	3.9/ A
	Power Consumption	kWh/a	862	1,256
	Pdesignh (average)	kW	2.4	3.5
	COP ¹	W/W	3.37	2.74
Airflow Rate	Indoor Unit (H/M/L)	m³/min	12.6/11.3/10.0	15.2/14.1/13.1
Sound Power	Indoor Unit	dB(A)	60	64
	Outdoor Unit	dB(A)	62	65
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	41/39/36	46/44/42
	Outdoor Unit (H/L)	dB(A)	48/48	51/49
Fan/Outdoor Unit	Type		Sirocco	Sirocco
	Power	W	40	40
	Number of Fans	-	2	2
Operating Temperature Range	Cooling	°C	-15~50	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0
Electrical Data				
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.48/1.58/1.90	0.35/2.87/3.60
	Heating	kW	0.43/1.92/3.05	0.35/3.05/3.95
Current Input	Cooling (Min/Std/Max)	A	2.8/7.2/9.0	2.0/12.4/16.0
	Heating (Min/Std/Max)	A	2.4/8.5/14.5	2.0/13.2/17.0
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	1,000 x 200 x 650	1,000 x 200 x 650
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	20.0	20.0
	Outdoor Unit	kg	43.0	51.0
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	1.2/10 m	1.7/15 m
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.81	1.15
	Additional Refrigerant Charging	g/m	15	25
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	1/2	5/8
Piping Length	Min/Max	m	3/30	3/50
Piping Height	Max	m	20	30
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Accessories



Wireless Remote Controller

AR-EH03E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN

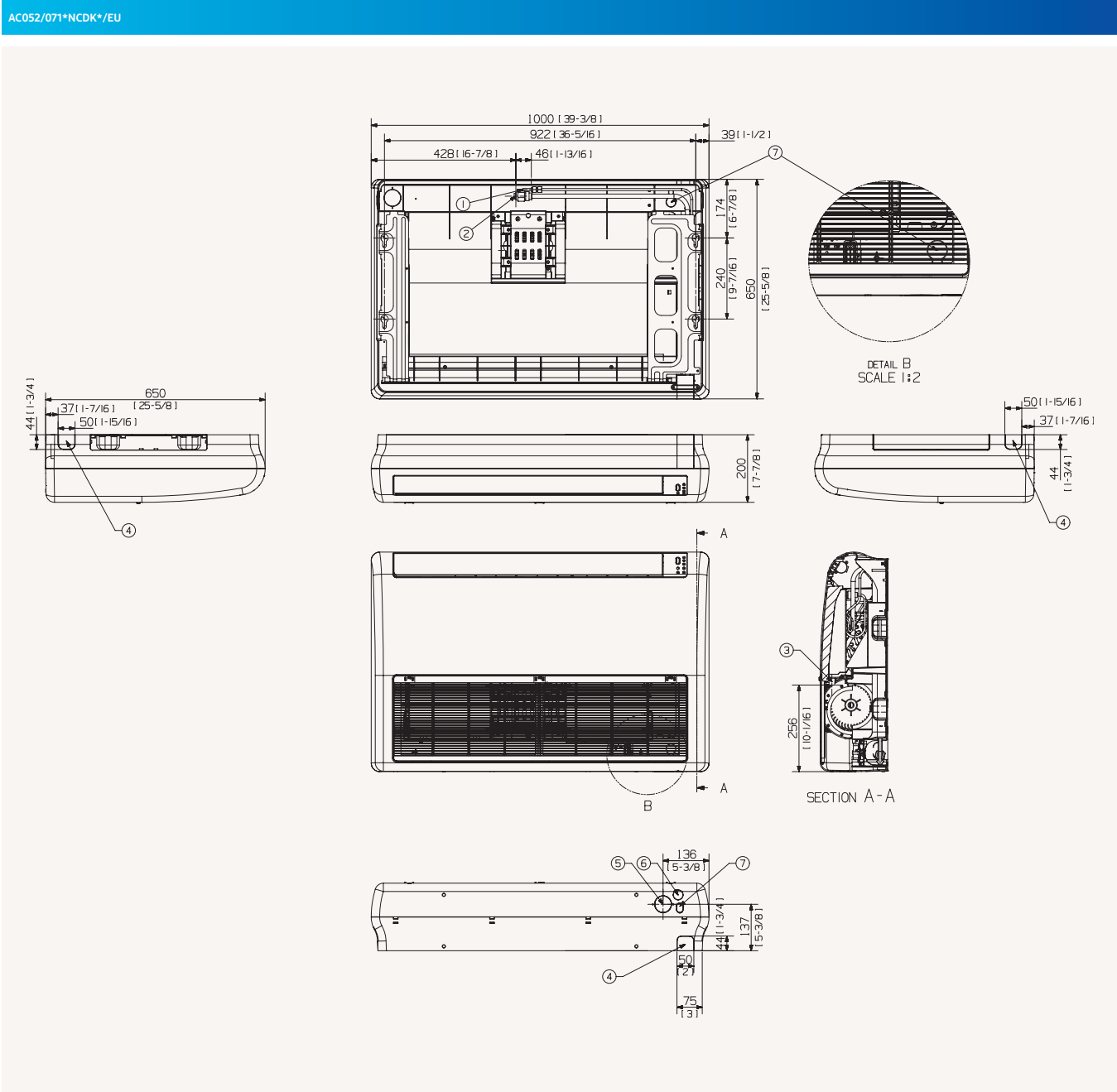


External Thermostat

MRW-TA

Dimensional drawings

Ceiling R32



NO	Name	Description
		AC052RNC DKH/EU
		AC071RNC DKH/EU
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø12.70 (1/2) ø15.88 (5/8)
3	Condensation drain piping	ID 18 [11/16] Hose
4	Piping connection	
5	Connection for external air	ø50 [2]
6	Connection of the condensation drain pipe	
7	Connection of the communication cables	

Specifications

Ceiling HEE R32

- Horizontal installation.
- Air supply by means of one adjustable blade; blade angle between 4° and 45°.
- Long-life washable HD 40 permanent filter is included.



Indoor Unit			AC052BNCPKG/EU	AC071BNCPKG/EU
Outdoor Unit - Mono-Phase			AC052BXAPKG/EU	AC071BXAPKG/EU
Outdoor Unit - Tri-Phase			AC071BXAPNG/EU	
Capacity				
	Cooling (Min/Nominal/Max)	kW	1.30 / 5.00 / 8.00	2.30 / 7.10 / 9.50
	Heating up to +7 °C (Min/Nominal/Max)	kW	1.30 / 6.00 / 10.00	1.80 / 8.00 / 10.50
	Heating @ -5 °C	kW		
	Heating @ -15 °C	kW		
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	8.0/ A++	7.1/ A++
	Power Consumption	kWh/a	219	350
	Pdesignc	kW	5	7.1
	EER	W/W	4.42	3.78
Energy Efficiency Heating	SCOP ¹	W/W	4.8/ A++	4.4/ A+
	Power Consumption	kWh/a	1167	1495
	Pdesignh (average)	kW	4	4.7
	COP ¹	W/W	4.58	3.79
Airflow Rate	Indoor Unit (H/M/L)	m³/min	19.0 / 16.1 / 13.8	20.5 / 17.6 / 15.3
Sound Power	Indoor Unit	dB(A)	56	58
	Outdoor Unit	dB(A)	63	64
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	41/39/36	46/44/42
	Outdoor Unit (H/L)	dB(A)	48/48	51/49
Fan/Outdoor Unit	Type		BLDC	BLDC
	Power	W	125	125
	Number of Fans	-	1	1
Operating Temperature Range	Cooling	°C	-20~52	-20~52
	Heating	°C	-25.0~24.0	-25.0~24.0
Electrical Data				
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.26 / 1.13 / 2.50	0.47 / 1.88 / 3.10
	Heating	kW	0.23 / 1.31 / 3.40	0.36 / 2.11 / 4.30
Current Input	Cooling (Min/Std/Max)	A	1.7 / 5.3 / 11.0	2.5 / 8.8 / 13.8
	Heating (Min/Std/Max)	A	1.5 / 6.1 / 14.9	2.6 / 9.8 / 19.1
	Cooling - Tri-Phase (Min/Std/Max)	A		1.1 / 3.1 / 4.9
	Heating - Tri-Phase (Min/Std/Max)	A		0.8 / 3.5 / 6.7
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	1,350 x 235 x 675	1,350 x 235 x 675
	Outdoor Unit	mm	880 x 798 x 310	940 x 998 x 330
Net Weight	Indoor Unit	kg	20.0	20.0
	Outdoor Unit	kg	50	75
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	1.7/20 m	2.7/30 m
	Charging Ton Equivalent CO ₂	tCO ₂ e	1.15	1.82
	Additional Refrigerant Charging	g/m		
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8
	Gas Pipe	ø, inch	1/2	5/8
Piping Length	Min/Max	m	5 / 50	5 / 55
Piping Height	Max	m	30	30
Piping Connections	Drain Pipe	ø, mm	ID 18	ID 18

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Accessories



Wireless Remote Controller

AR-EH04E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN

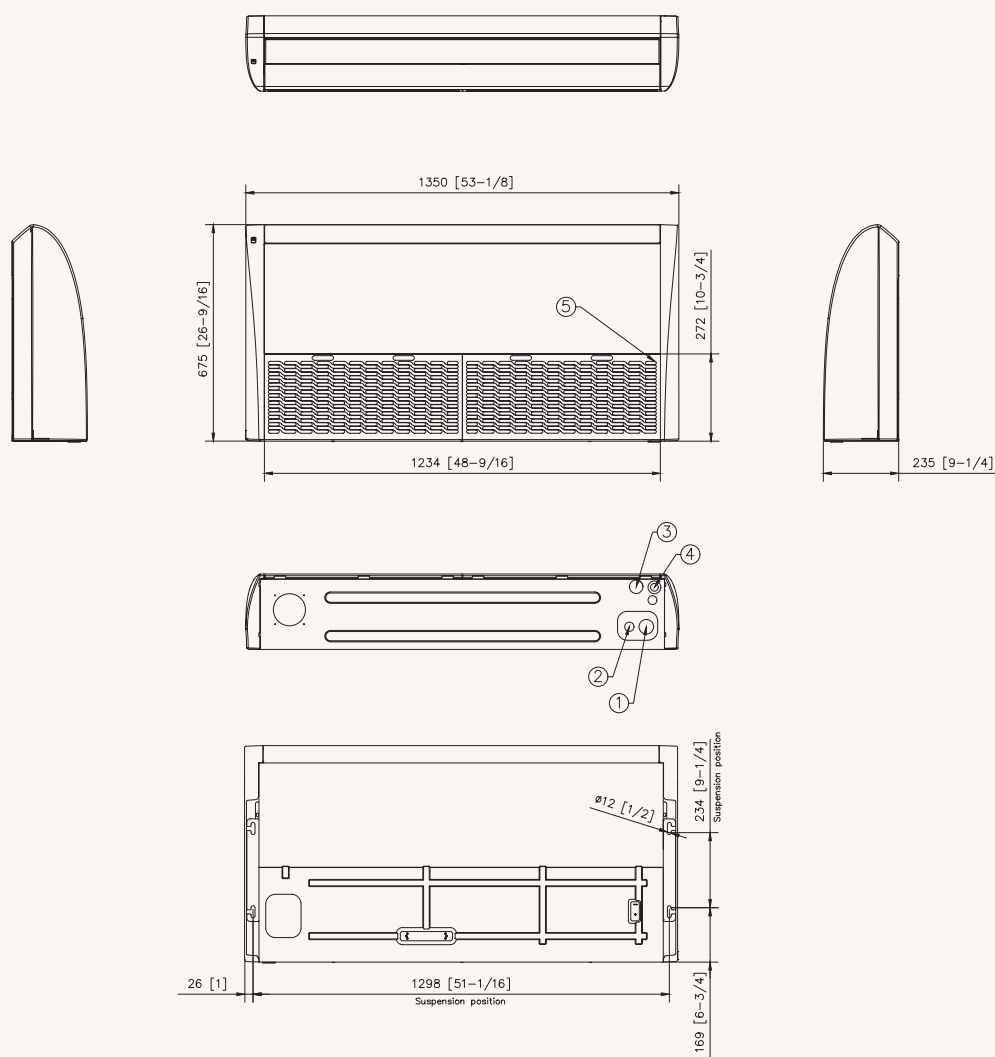


External Thermostat

MRW-TA

Ceiling HEE R32

AC052/071BNCPKG/EU



NO	Name	Description
1	Gas pipe connection	$\phi 15.88(5/8)$
2	Liquid pipe connection	$\phi 6.35(1/4)$
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply & Communication wiring conduit	$\phi 28(1-1/8)$
5	Knockout hole for Fresh air intake	-

Specifications

Big Ceiling R32

- Horizontal installation.
- Air supply by means of one adjustable blade; blade angle between 4° and 45°.
- Reduced noise thanks to the remotely controlled EEV.
- Long-life washable HD 40 permanent filter is included.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC100RNC DKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RNC DKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RNC DKG/EU AC140RXADKG/EU AC140RXADNG/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	3.00/10.00/12.00	3.0/12.0/13.5	3.50/13.40/15.50
	Heating up to +7 °C (Min/Nominal/Max)	kW	3.0/12.0/13.5	3.0/12.0/13.5	3.50/15.50/18.00
	Heating @ -5 °C	kW	11.0	12.9	15.2
	Heating @ -15 °C	kW	9.7	11.5	13.5
Performance					
Energy Efficiency Cooling	SEER ¹	W/W	6.1/ A++	5.9/ A+	6.1/ A++
	Power Consumption	kWh/a	574	-	-
	Pdesignc	kW	10.0	-	-
	EER	W/W	3.05	2.76	2.97
Energy Efficiency Heating	SCOP ¹	W/W	4.0/ A+	4.0/ A+	4.0/ A+
	Power Consumption	kWh/a	1,820	-	-
	Pdesignh (average)	kW	5.2	6.5	-
	COP ¹	W/W	3.44	3.44	3.41
Airflow Rate	Indoor Unit (H/M/L)	m³/min	26.0/23.0/19.0	26.0/23.0/19.0	30.0/24.0/20.0
Sound Power	Indoor Unit	dB(A)	60	62	64
	Outdoor Unit	dB(A)	69	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	42/38/34	44/41/37	48/42/38
	Outdoor Unit (H/L)	dB(A)	54/52	56/54	54/53
Fan/Outdoor Unit	Type		Sirocco	Sirocco	Sirocco
	Power	W	244	244	244
	Number of Fans	-	4	4	4
Operating Temperature Range	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0	-20.0~24.0
Electrical Data					
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.60/3.28/4.70	0.90/4.35/5.30	0.80/4.50/6.45
	Heating	kW	0.46/3.25/5.40	0.70/3.83/5.60	0.70/4.54/7.36
Current Input	Cooling (Min/Std/Max)	A	3.0/14.6/20.4	5.1/19.1/24.0	3.7/19.7/28.0
	Heating (Min/Std/Max)	A	2.5/14.2/23.0	3.9/17.0/26.0	3.5/19.8/32.0
	Cooling - Tri-Phase (Min/Std/Max)	A	1.5/5.0/7.1	1.7/6.6/10.0	2.1/7.0/10.5
	Heating - Tri-Phase (Min/Std/Max)	A	1.2/5.1/8.4	1.5/6.2/12.0	1.9/7.0/12.0
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	1,650 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675
	Outdoor Unit	mm	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg	42.0	42.0	41.5
	Outdoor Unit	kg	75.0	81.0	91.5
Refrigerant					
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Factory Charging	kg	2.7/30 m	2.7/30 m	2.9/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	1.82	1.82	1.96
	Additional Refrigerant Charging	g/m	50	50	50
Piping Connections	Liquid Pipe	ø, inch	3/8	3/8	3/8
	Gas Pipe	ø, inch	5/8	5/8	5/8
Piping Length	Min/Max	m	50	50	75
Piping Height	Max	m	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)

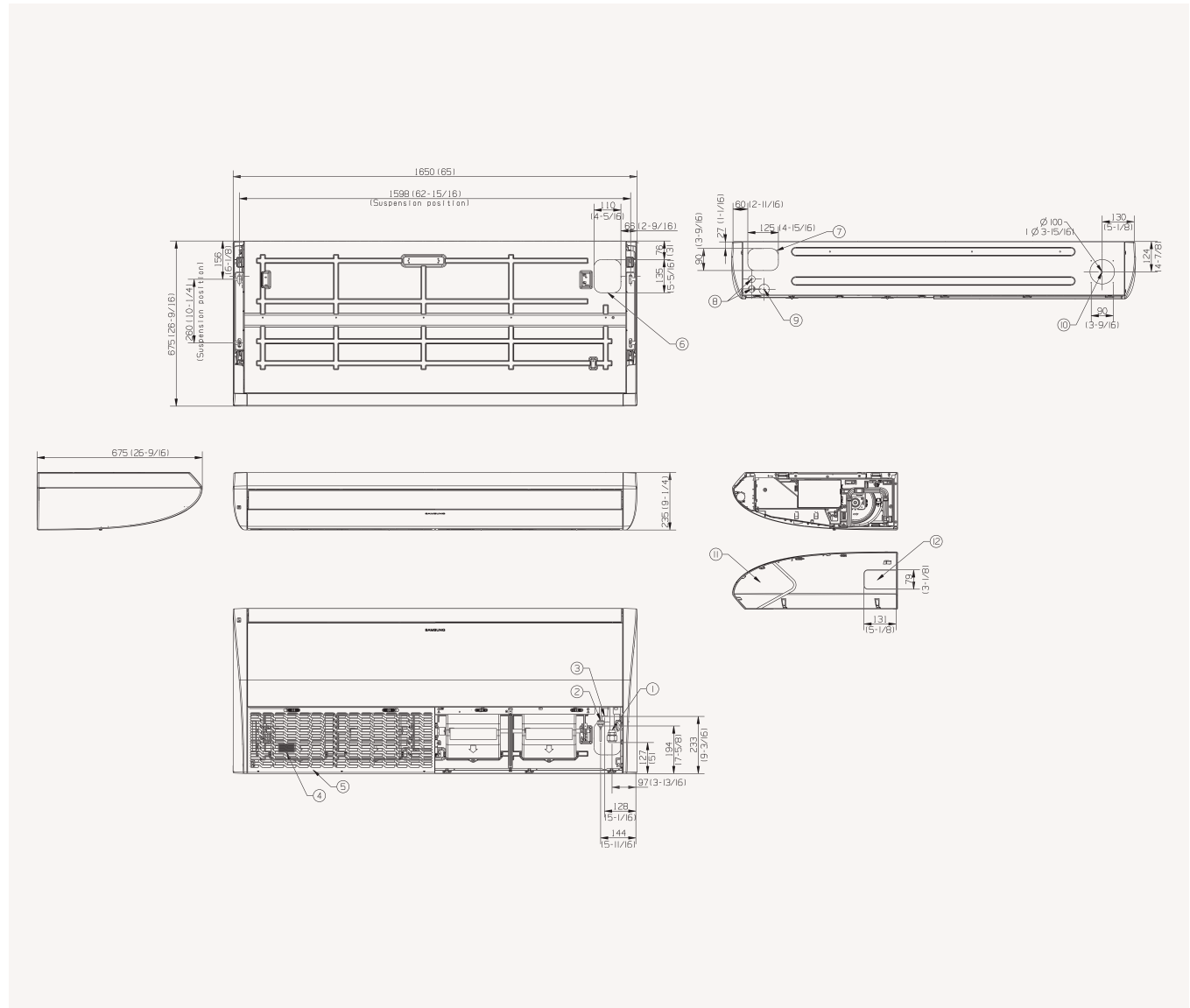
Accessories	
	
Wireless Remote Controller	
AR-EH03E	
	
Touch Controller	
MWR-SH11N	
	
Advanced Wired Controller	
MWR-WG00JN/MWR-WG00KN	
	
Wi-Fi Kit	
MIM-H04EN	
	
External Thermostat	
MRW-TA	

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Big Ceiling R32

AC100/120/140*NCDK*/EU, AC160JNCDEH/EU



NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Drain pipe connection	VP25 (OD 32, ID 25)
4	Air Filter	
5	Air suction grille	
6	Knock-out hole for piping (upper)	
7	Knock-out hole for piping (rear)	ø28 [1 1/8]
8	Conduit Hole	ø42 [1 5/16]
9	Knock-out hole for drain hose	
10	Fresh air intake knock-out hole	
11	Cover side	
12	Knock-out hole for piping (side)	

Specifications

Floor-Standing (R410A)

- Three dimension cooling and heating
- Modern touch display panel for easy control

- Long-life washable high density filter.
- Auto Restart function.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC100BNPDKH/EU AC100BXPDKH/EU -	AC140BNPDKH/EU - AC140BXPDPNH/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	2.6/10.0/12.3	4.5/13.4/16.7
	Heating up to +7 °C (Min/Nominal/Max)	kW	2.8/11.2/14.0	3.9/15.5/20.0
	Heating @ -5 °C	kW	11.00	15.20
	Heating @ -15 °C	kW	9.60	13.5
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	6.1/ A++	5.8
	Power Consumption	kWh/a	-	-
	Pdesignc	kW	10.0	13.4
	EER	W/W	2.86	3.1
Energy Efficiency Heating	SCOP ¹	W/W	4.2/ A+	4.0
	Power Consumption	kWh/a	1,767	-
	Pdesignh (average)	kW	5.3	-
	COP ¹	W/W	3.30	3.44
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	29.0/25.0/23.0	35.0/30.0/27.0
Sound Power	Indoor Unit	dB(A)	60	63
	Outdoor Unit	dB(A)	70	70
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	47/44/41	51/48/45
	Outdoor Unit (H/L)	dB(A)	55/53	54/53
Fan/Outdoor Unit	Type		BLDC	BLDC
	Power	W	125	125
	Number of Fans	-	1	2
Operating Temperature Range	Cooling	°C	-15~50	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0
Electrical Data				
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	-
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.62/3.5/5.4	0.93/4.32/6.0
	Heating	kW	0.54/3.39/4.50	0.70/4.50/6.60
Current Input	Cooling (Min/Std/Max)	A	3.2/15.3/23.2	1.8/6.8/9.6
	Heating (Min/Std/Max)	A	2.9/15/20.5	1.4/7/10.7
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	610 x 1,850 x 400	610 x 1,850 x 400
	Outdoor Unit	mm	940 x 998 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg	43.0	44.5
	Outdoor Unit	kg	72.5	86.5
Refrigerant				
Refrigerant	Type		R410A (contains fluorinated greenhouse gases. GWP = 2,088)	
	Factory Charging	kg	3.0	3.5
	Charging Ton equivalent CO ₂	tCO ₂ e	6.26	7.31
	Additional Refrigerant Charging	g/m	50	50
Piping Connections	Liquid Pipe	ø, inch	3/8	3/8
	Gas Pipe	ø, inch	5/8	5/8
Piping Length	Min/Max	m	5/50	5/75
Piping Height	Max	m	30	30
Piping Connections	Drain Pipe	ø, mm	VP18	VP18

Accessories



External Thermostat

MRW-TA



On/Off controller

MIM-B14



Wi-Fi Kit

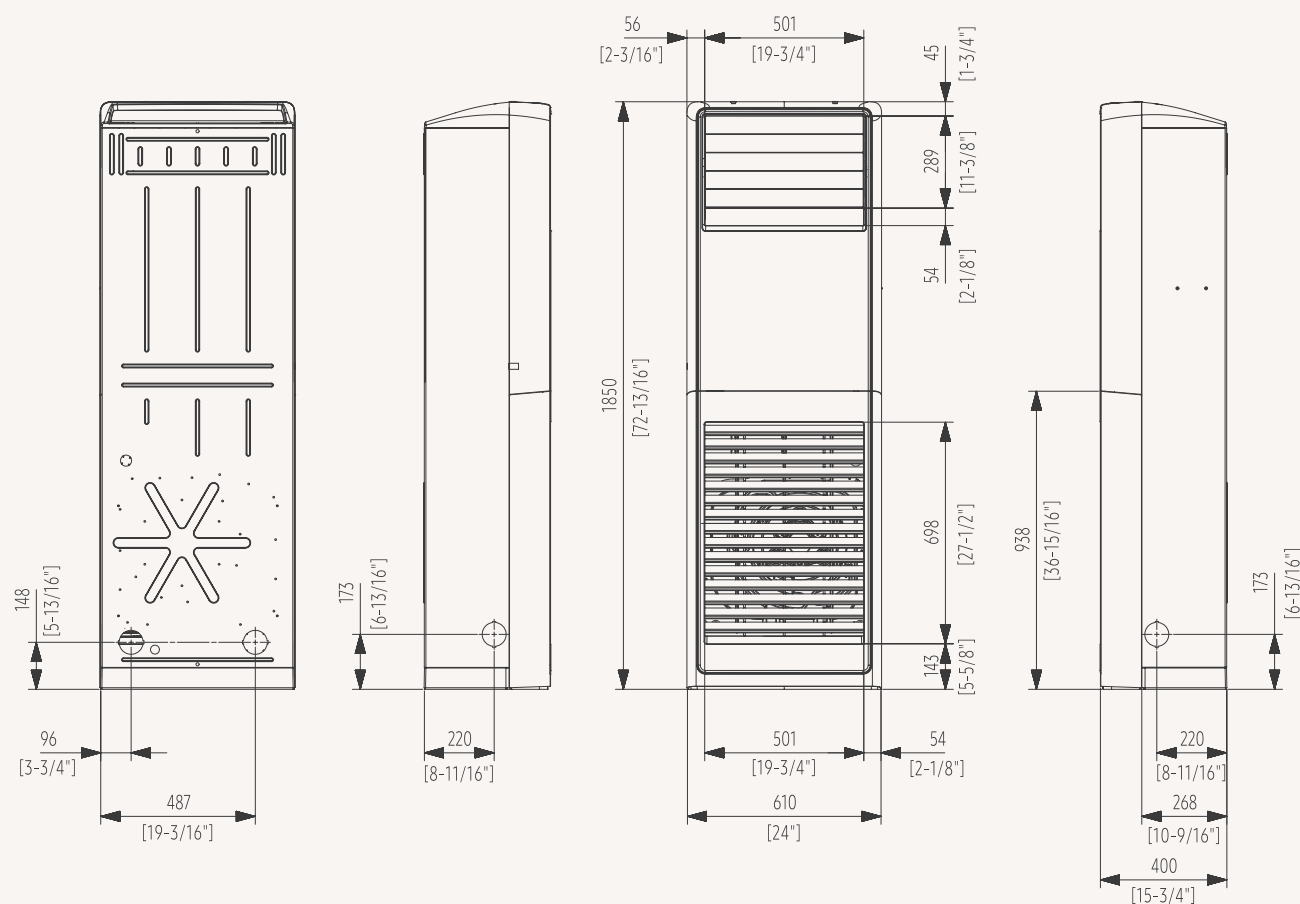
MIM-H04EN

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Floor-Standing (R410A)

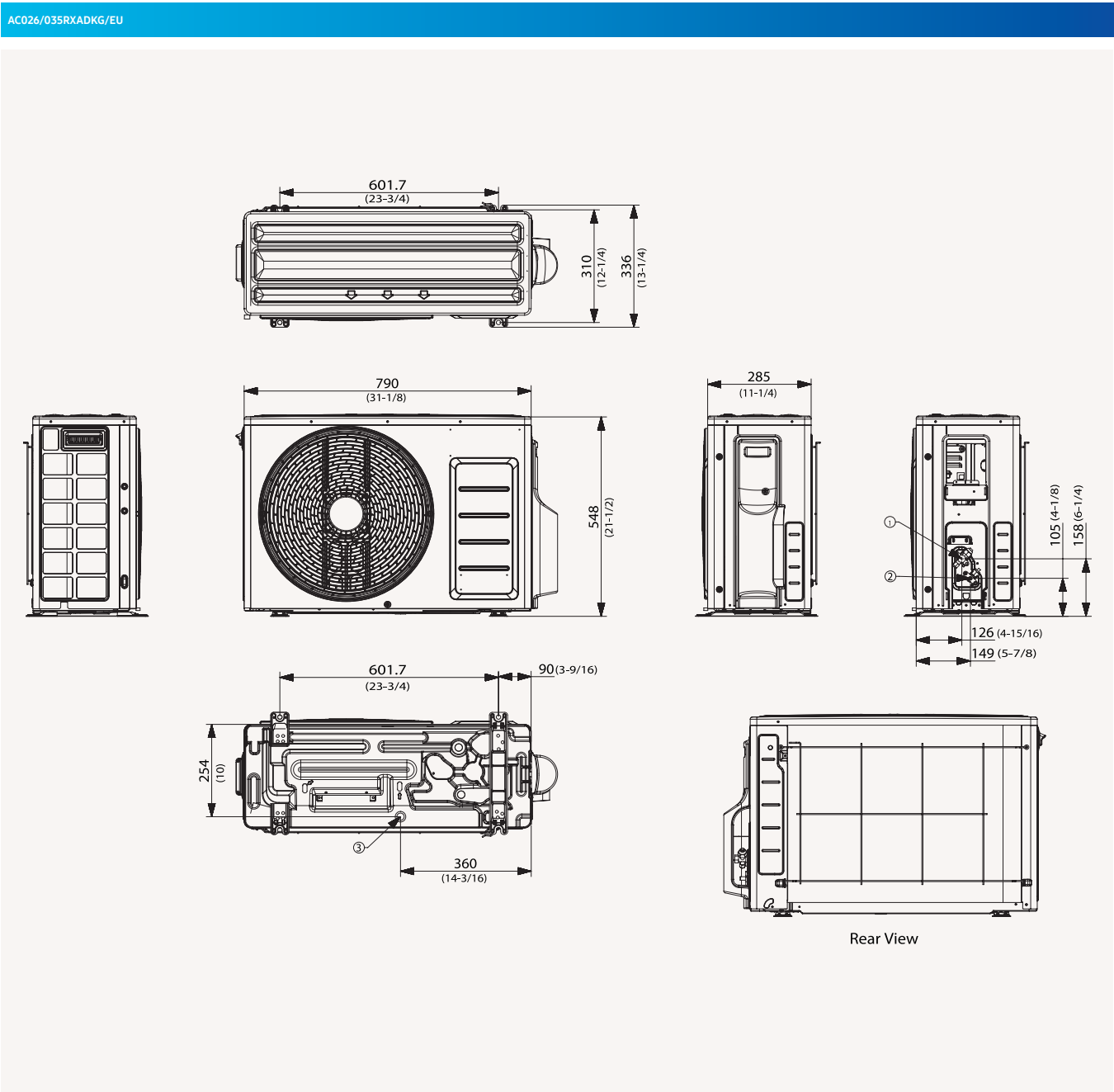
AC100/140BNPDKH/EU



NO	Name	Description	
		AC100BNPDKH/EU	AC140BNPDKH/EU
1	Liquid pipe connection	9.52 (3/8")	9.52 (3/8")
2	Gas pipe connection	15.88 (5/8")	15.88 (5/8")
3	Drain pipe connection	-	-
4	Power supply & Communication wiring conduit	-	-

Dimensional drawings

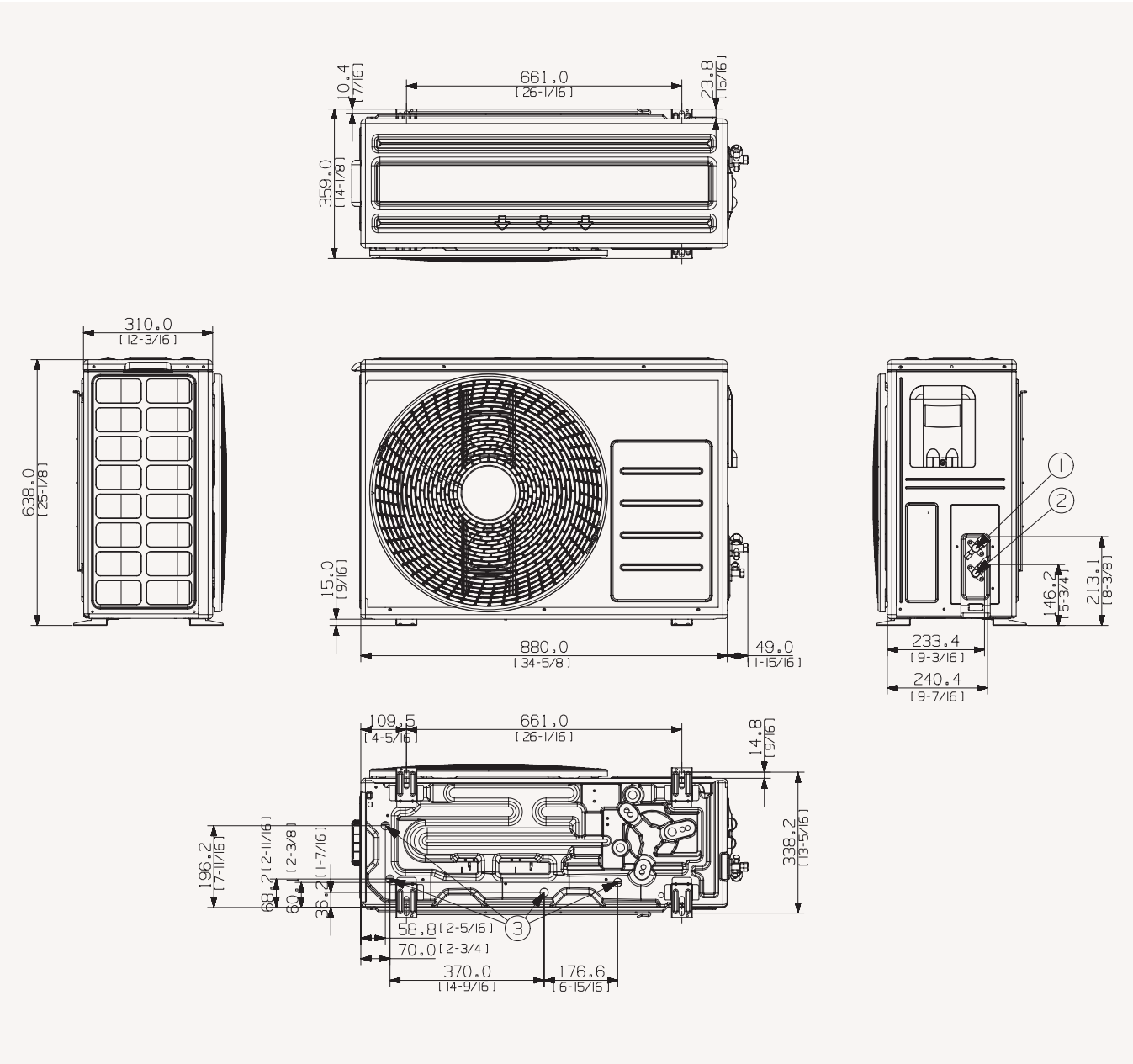
Outdoor Units (2.6kW/3.5kW)



NO	Name	Description
1	Refrigerant gas pipe	ø9.52 (3/8)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	Connection with the provided drain plug.

Outdoor Units (5.2kW)

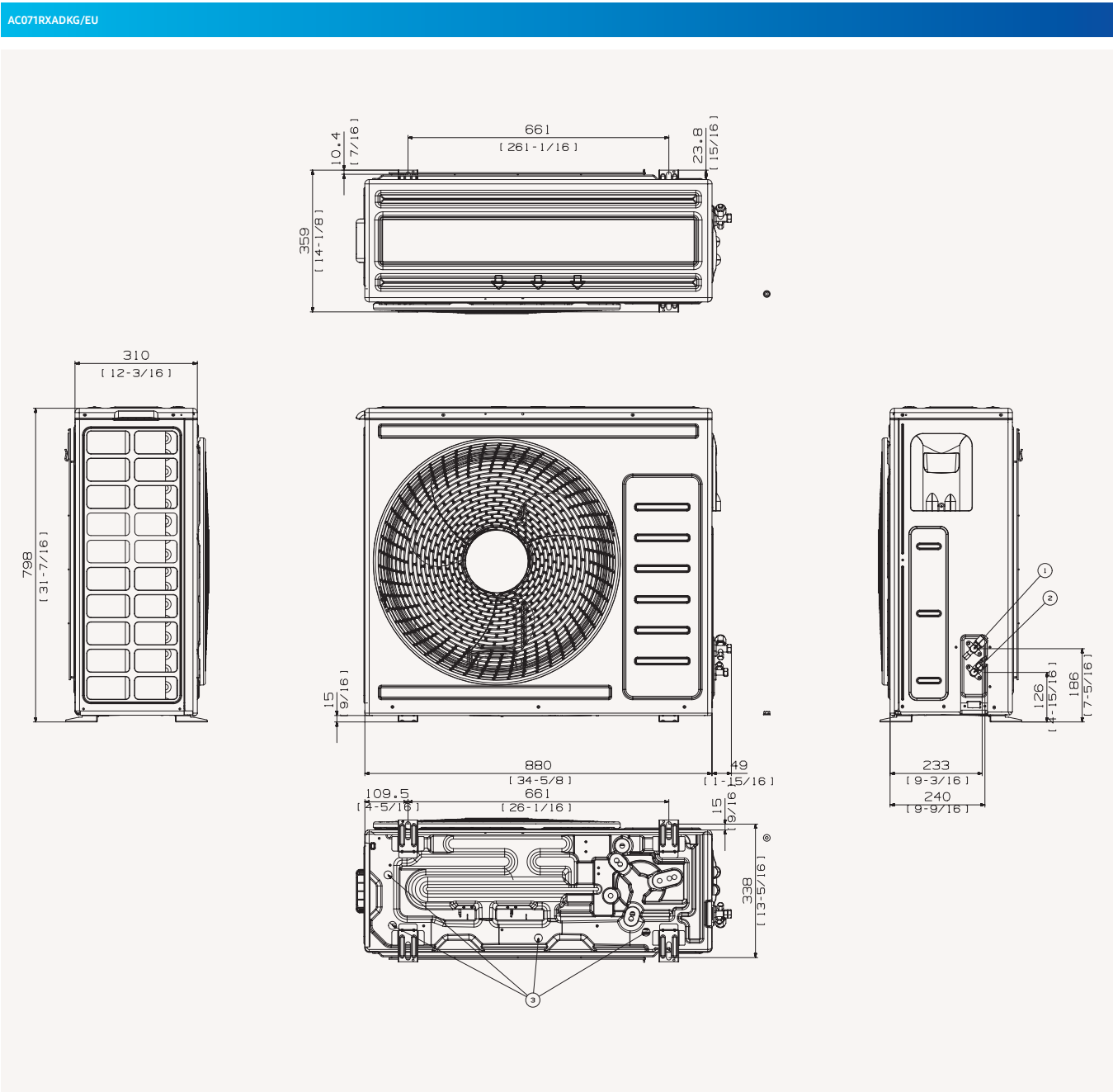
AC052RXADKG/EU



NO	Name	Description
1	Refrigerant gas pipe	ø12.70 (1/2)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	ø20

Dimensional drawings

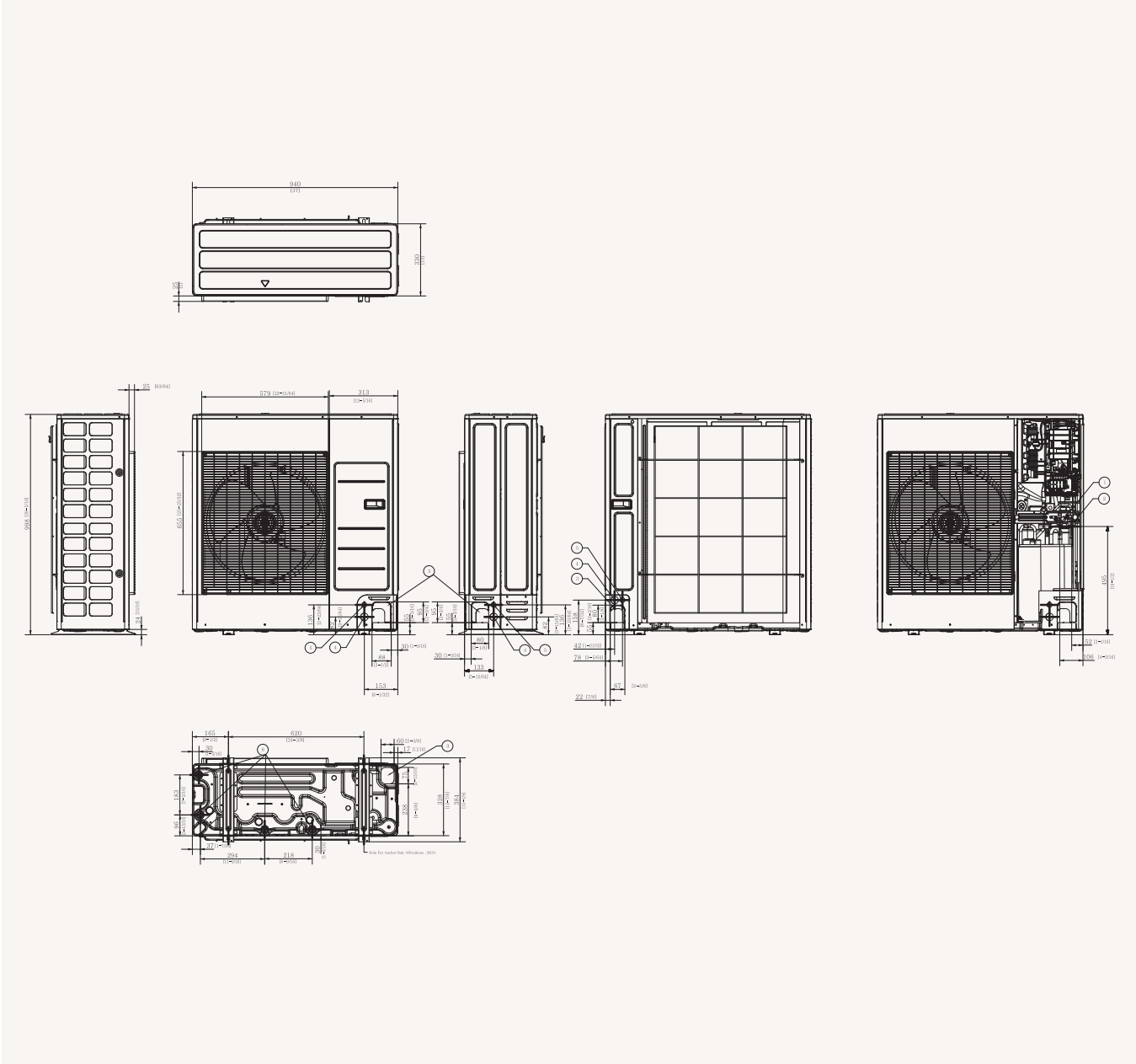
Outdoor Units (7.1kW)



NO	Name	Description
1	Refrigerant gas pipe	ø15.88 (5/8)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	Connection with the provided drain plug.

Outdoor Units (10kW/12kW)

AC100RXAD*G/EU, AC120RXAD*G/EU, AC100BXPDKH/EU

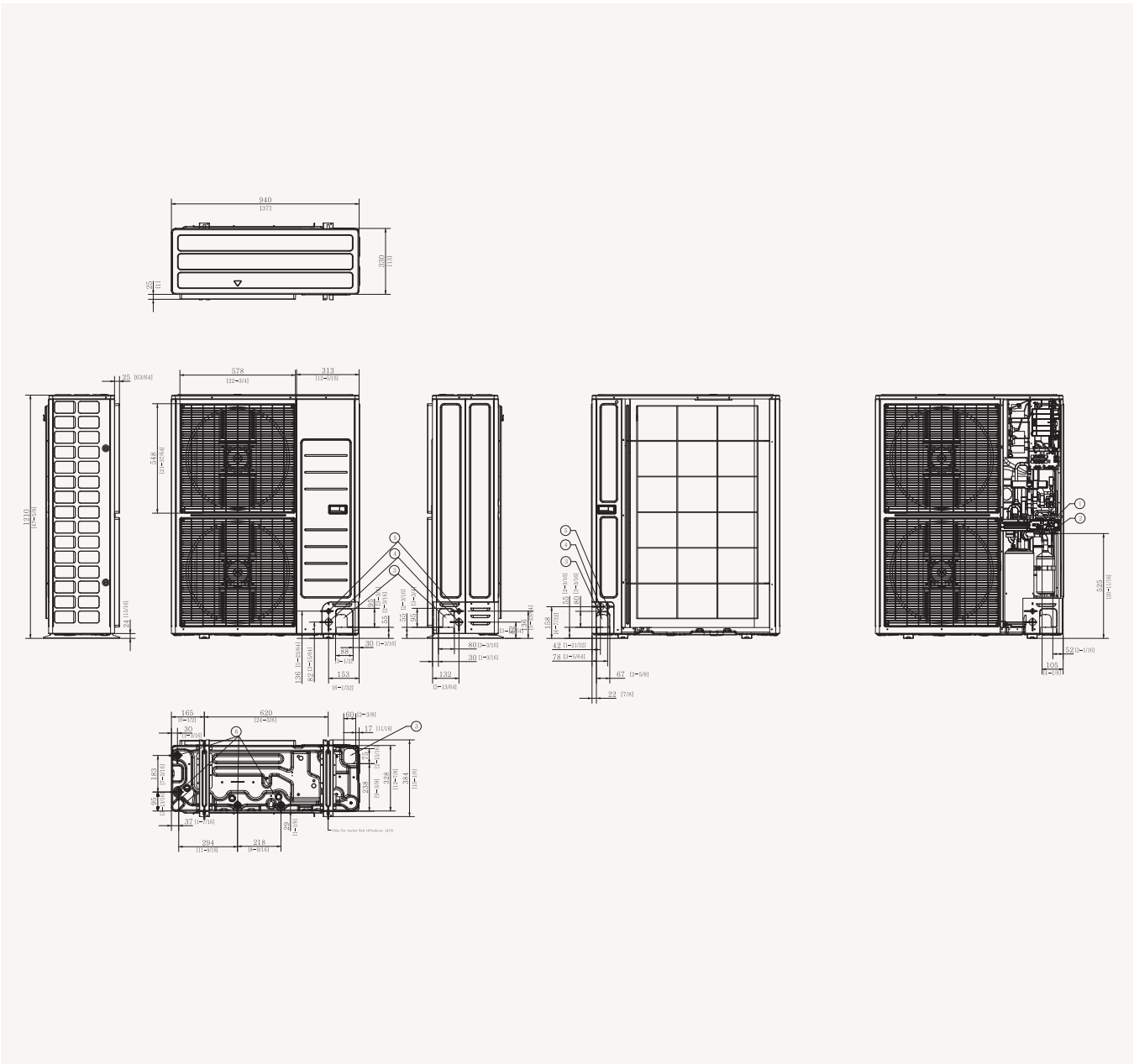


NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knock-out hole	Front/Side/Rear/Bottom
4	Power wiring conduits	Front/Side/Rear, ø34 (ø1 3/8)
5	Communication wiring conduits	Front/Side/Rear, ø22 (ø7/8)
6	Drain hole	Connect with the provided drain plug.

Dimensional drawings

Outdoor Units (14kW)

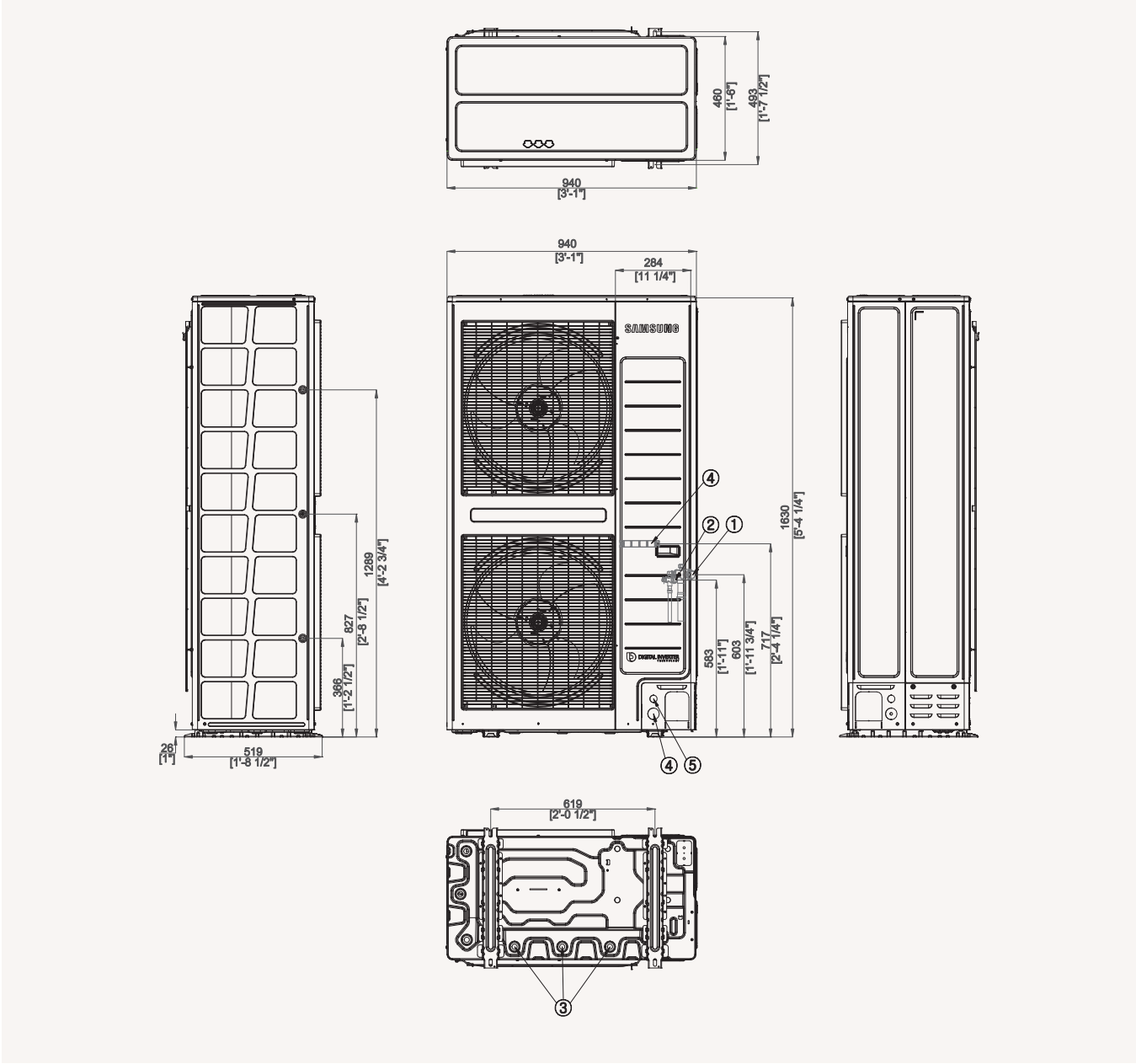
AC140RXAD*G/EU, AC140BXPDPNH/EU



NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knock-out hole	Front/Side/Rear/Bottom
4	Power wiring conduits	Front/Side/Rear, ø34 (ø1 3/8)
5	Communication wiring conduits	Front/Side/Rear, ø22 (ø7/8)
6	Drain hole	Connect with the provided drain plug.

Outdoor Units (20kW/25kW)

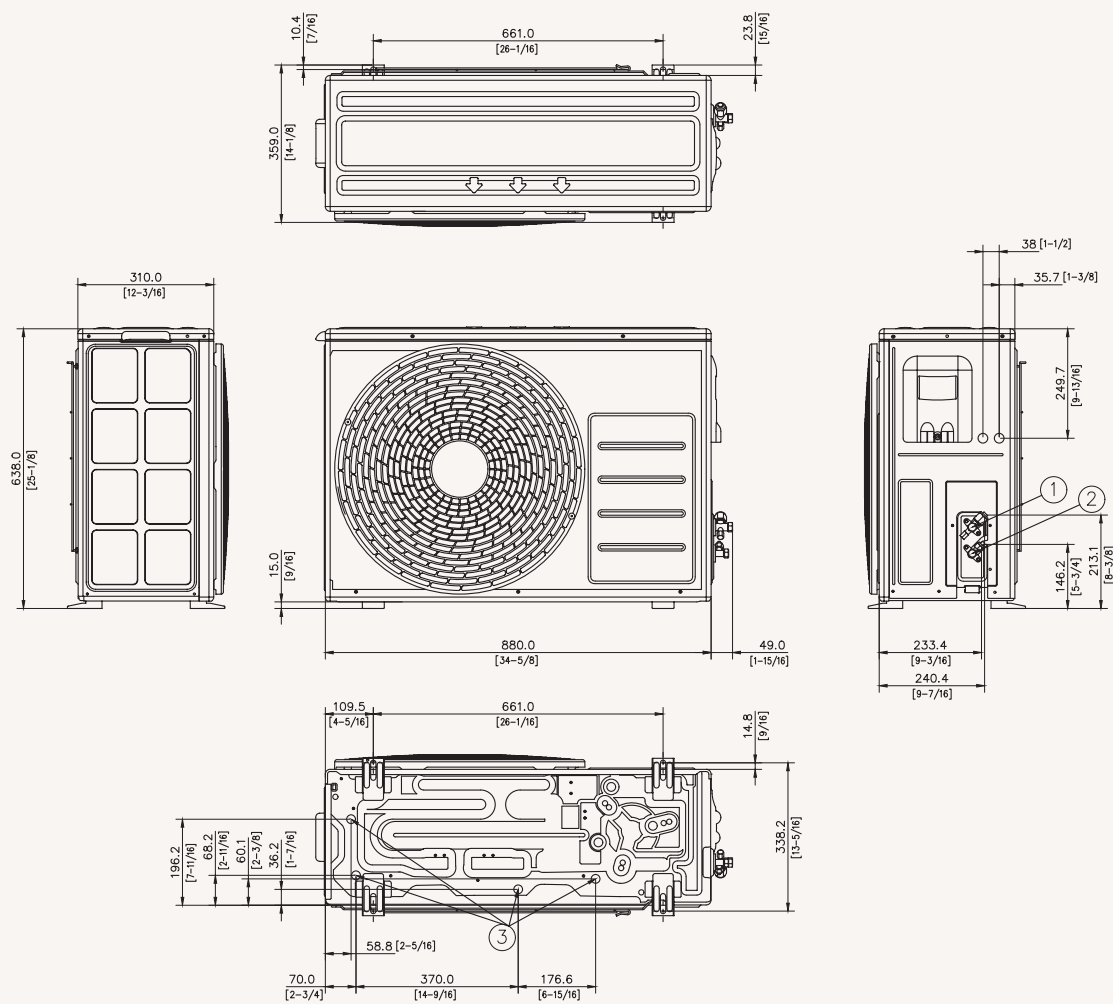
AC200KXAPNH/EU, AC250KXAPNH/EU



Dimensional drawings

Outdoor Units HEE (2.6kW/3.5kW)

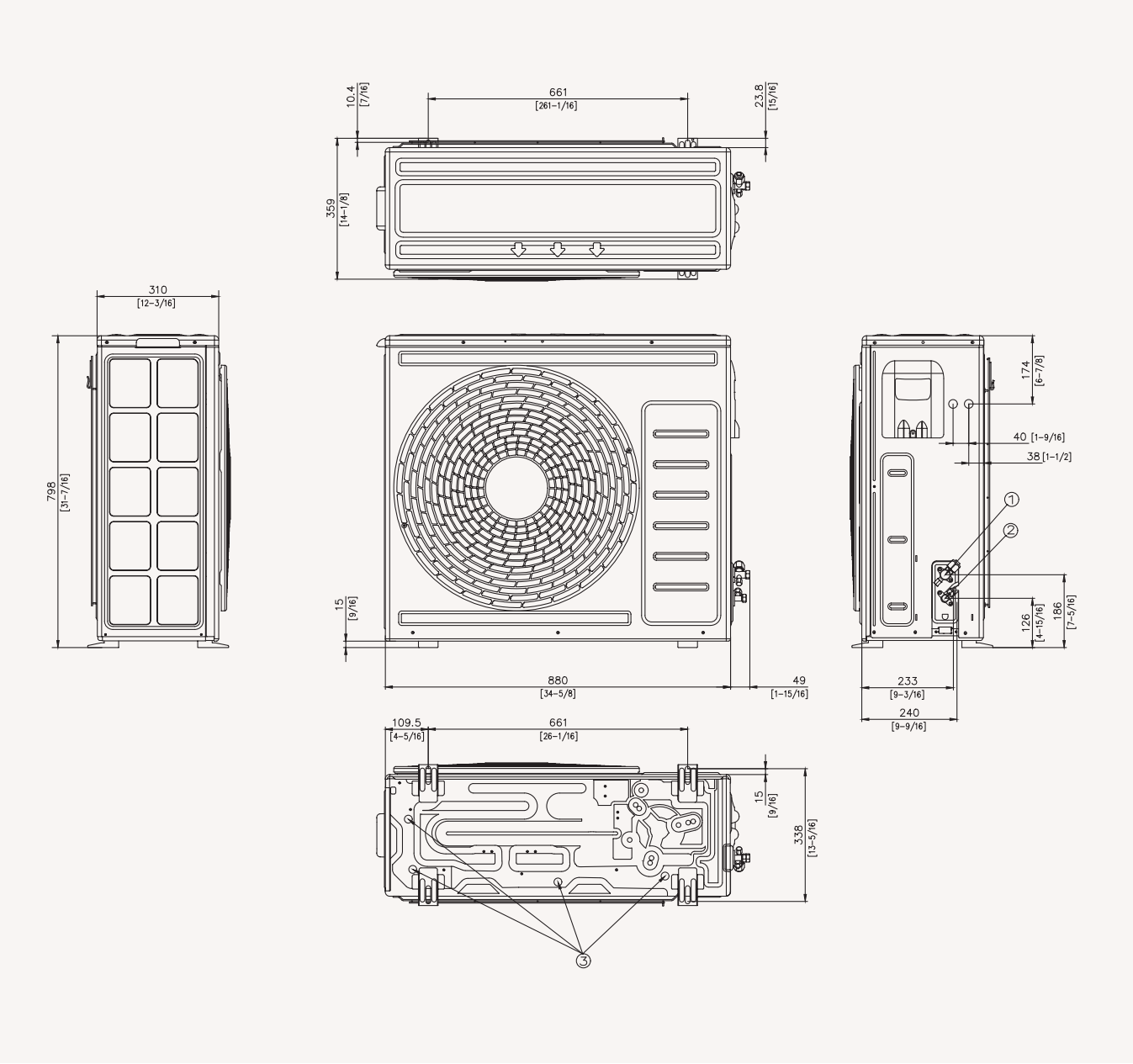
AC026/035BXAPKG/EU



NO	Name	Description
1	Refrigerant gas pipe	ø9.52 (3/8)
2	Refrigerant liquid pipe	Φ6.35 (1/4)
3	Drain Hole	Φ20

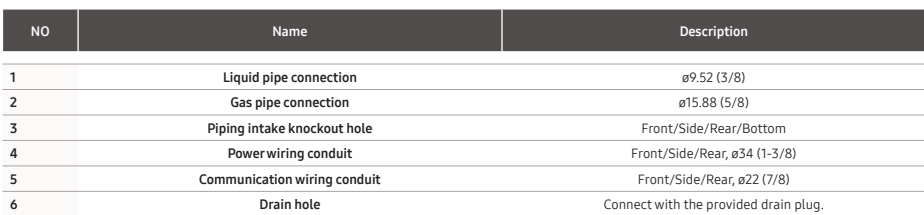
Outdoor Units HEE (5.2kW/6.0kW)

AC052BXAPKG/EU



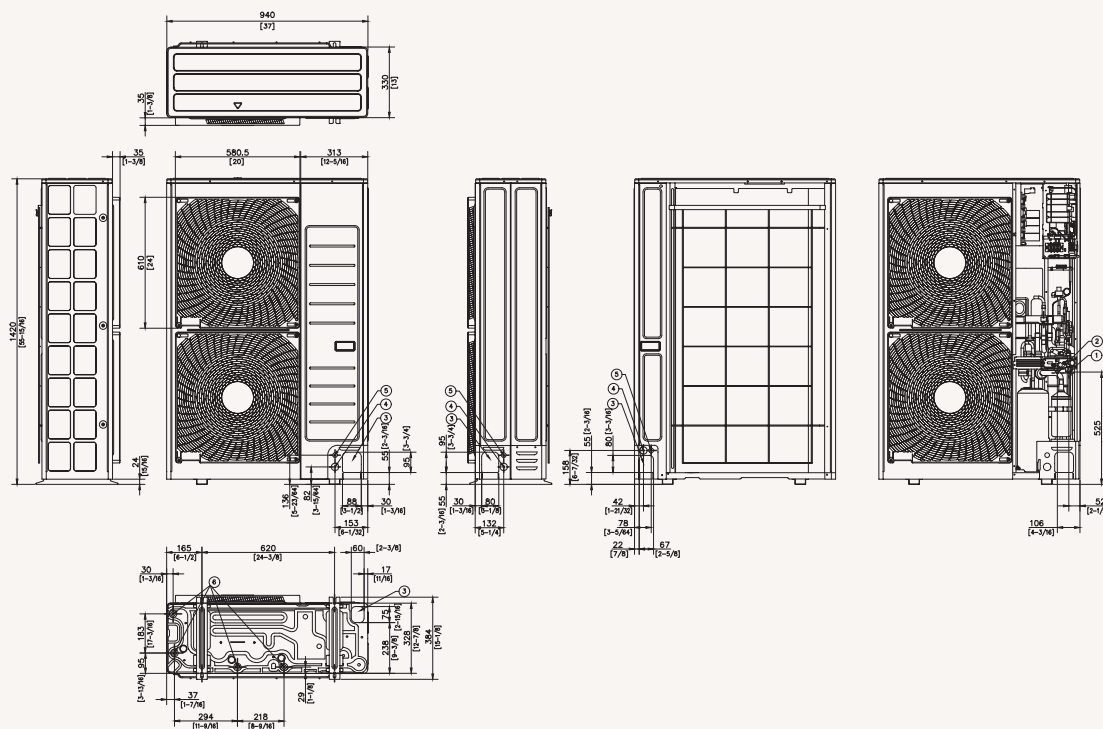
NO	Name	Description
1	Refrigerant gas pipe	Φ12.7 (1/2)
2	Refrigerant liquid pipe	Φ6.35 (1/4)
3	Drain Hole	Connection with the provided drain plug.

Outdoor Units HEE (7.1kW)



Outdoor Units HEE (10/12/14kW)

AC100BXAPKG/EU, AC100/120/140BXAPNG/EU



NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knockout hole	Front/Side/Rear/Bottom
4	Powerwiring conduit	Front/Side/Rear, ø34 (1-3/8)
5	Communication wiring conduit	Front/Side/Rear, ø22 (7/8)
6	Drain hole	Connect with the provided drain plug.



Controls



Line-up

	Product	Model	Image	Matchable Products
Individual Control System	SolarCell Remote Controller	Included with RAC order		RAC WindFree™ Pure RAC WindFree™ Elite
	Wireless Remote Controller	AR-EH03M AR-EH03E AR-EH04E		DVM, FJM, CAC
	Wireless Remote Controller	AR-KH03E AR-KH04E		CAC, DVM *only for 360 Cassette
	Advanced Wired Controller	MWR-WG00JN MWR-WG00KN		FJM, CAC, DVM, RAC, ERV
	Simple Type Controller	MWR-SH00N		FJM, CAC, DVM, RAC
	Touch Type Controller	MWR-SH11N		FJM, CAC, DVM, RAC + WindFree™ function
	ERV Wired Remote Controller	MWR-VH12N		ERV
	Wireless Receiver Kit	MRK-A10N		FJM, CAC, DVM (only duct models)
Centralised Control System	ON/OFF Controller	MCM-A202DN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Touch Centralised Controller	MCM-A300N		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Wi-Fi Kit 2.0	MIM-H04EN		All
	Single Wi-Fi kit	MIM-H14EN		CAC HEE Cassette (WindFree™ 4 Way, WindFree™ 4 Way 600x600, 360 Cassette)
	Module Controller	MCM-A00N		
Integrated Management System	DMS2.5	MIM-D01AN		DVM, FJM, CAC
	S-NET3	MST-P3P		
	bIoT Lite Software	MST-BL1A		

	Product	Model	Image	Matchable Products
Gateway System	BACnet Gateway	MIM-B17BN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	LonWorks Gateway	MIM-B18BN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	External Contact Interface Module	MIM-B14		DVM, RAC, FJM, CAC
	Modbus Interface Module	MIM-B19N		DVM, FJM, CAC, EHS
	PIM (Pulse Interface Module)	MIM-B16N		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Interface Module (Converter RS485 to NASA)	MIM-N01		FJM, CAC, EHS
	ERV Interface Module (Converter RS485 to NASA)	MIM-N10		ERV (with RS485 protocol)
	FCU Interface Module	MIM-F10N		Chiller
Installation/ Test Run Solution	S-Converter	MIM-C02N		
Others	External Room Sensor	MRW-TA		DVM, FJM, CAC
	Operation Mode Selection Switch	MCM-C200		
	MTFC (Multi-Tenant Function Controller)	MCM-C210N		
	Wired Remote Controller Interface	MIM-A00N		RAC, FJM
	Centralized Controller Interface (R1/R2)	MIM-R10N		RAC

Features and Dimensional drawings

Individual Control System

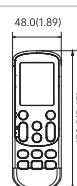
Wireless Remote Controller SolarCell Remote Controller

- WindFree™ cooling function
- Operation ON/OFF control
- Fan speed control
- Operation temperature setting
- Filter replacement alarm reset
- Air swing control
- Simple ON/OFF timer
- Indoor unit option code setting
- Option/Setting selection
- 0.95 inch OLED display
- Charging via SolarCell & USB-C type
- Net dimensions (W x H x D): 35 x 160 x 13mm



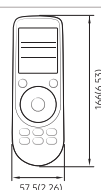
Wireless Remote Controller AR-EH03E / AR-EH03M / AR-EH04E

- Operation ON/OFF control
- Fan speed control
- Operation temperature setting
- WindFree™ cooling function
- Filter replacement alarm reset
- Air swing control
- Simple ON/OFF timer
- Indoor unit option code setting
- Option/Setting selection



Wireless Remote Controller AR-KH03E / AR-KH04E

- 360 Cassette airflow direction control
- Operation ON/OFF control
- Fan speed control
- Operation temperature setting
- Filter replacement alarm reset
- Simple ON/OFF timer
- Indoor unit option code setting



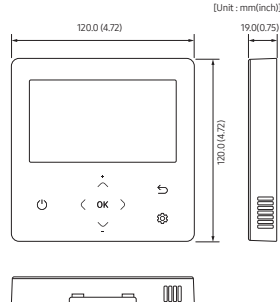
Advanced Wired Remote Controller MWR-WG00JN & MWR-WG00KN

Samsung introduced New Advance Wired Remote Controller, with a full color display and intuitive UI (User Interface), to enhance the user convenience of the air conditioner.

- Enhanced User Experience-Intuitive UI, Full Color Display (4.3"), Easy to use display
- Enhanced Energy Monitoring
 - Power Consumption, Weekly/Monthly/Yearly Energy Usage Tracking
- New Slick Design
 - Simple and glossy, suitable for most demanding interior architectures
- Convenient & Comfort Control -Easy access to menus, WindFree™, Dual Set
- IR Receiver & Temperature Sensor are included
- Different Languages
- SD card connection for language extension

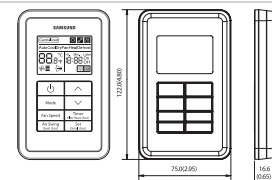
Air conditioner/ERV control

- AC operation ON/OFF control
- AC operation mode, setting temperature, fan speed, WindFree™, airflow direction Setting
- AC Weekly schedule
- AC Setback
- AC Indicator for lock, Filter reset, clean, defrost, central control, weekly schedule discharge temperature
- Other AC modes settings Quiet, Sleep, Long wind, Purify, Air Quality, energy saving
- AC/ERV Energy usage/consumption monitoring
- AC/ERV error monitoring
- ERV operation ON/OFF control
- ERV operation mode, fan speed, Quiet, By-pass, Heat-EX and Away setting
- ERV Indicator for lock, Filter reset, defrost, central control and Range hood
- Other ERV modes settings Clean up, E-Saver, Schedule
- Available Languages:
 - MWR-WG00JN: English, French, Spanish, Portuguese, Dutch, German
 - MWR-WG00KN: English, Italian, Greek, Czech, Slovak, Polish



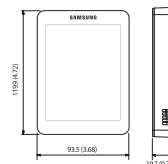
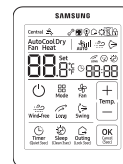
Simple Type MWR-SH00N

- Simplified wired remote controller
- AC operation ON/OFF control
- Fan speed control
- Setting operation mode and temperature
- Reset filter cleaning alert indicator
- Adjust airflow direction
- Operation ON/OFF timer function

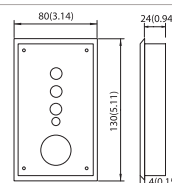


Touch Controller**MWR-SH11N**

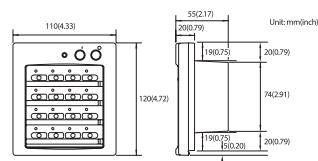
- Bigger Display: clear & bright backlight screen with big fonts
- WindFree button: control WindFree function with just one click
- Room temperature monitor and room temperature display thanks to the built-in temperature sensor
- Icon/Function Lock: option of restricting icon/function on the display
- Sleep Mode: help users to sleep better by controlling temperature
- Outing Feature: keep room temperature above/below specific set value when the user is out of the room

**Wireless Receiver Kit****MRK-A10N**

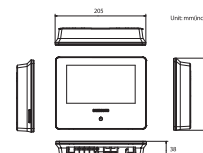
- Concealed wireless signal receiver
- Filter replacement sign
- Fan operation display
- Operation Timer setting display
- Operation ON/OFF button
- Operation On display LED (blue)
- Defrost operation display LED (red)

**Centralised Control System****ON/OFF Controller****MCM-A202DN**

- Maximum 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

**Touch Centralised Controller****MCM-A300N**

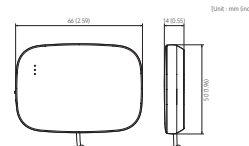
- 7-inch touch LCD controller
- Controls a maximum of 128 indoor units
- Controls a maximum of 12 zones
- Schedule control, Indoor unit usage restriction, View indoor unit error history

**Wi-Fi Kit 2.0****MIM-H04EN**

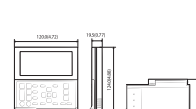
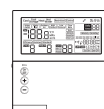
- Enhanced Convenience
- Voice Control available through a smartphone with Bixby
- Connected home with affordable units in every home using SmartThings
- Welcome cooling and heating based on Geo-fencing
- Individual indoor unit control
- Personalized Climate Environment
- Preferred automation
- Multi-device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

**Single Wi-Fi Kit****MIM-H14EN**

- Single unit control and monitoring
- Control through SmartThings
- Weekly schedule setting

**Module Controller****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

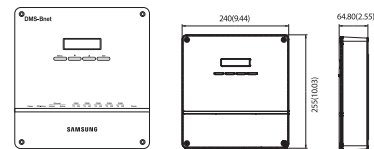


Gateway System

**BACnet Gateway
MIM-B17BN**

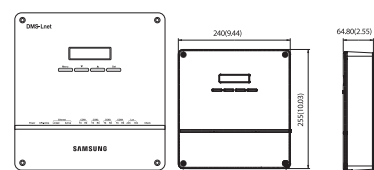
With the BMS control and monitoring function, BACnet gateway makes it easy to control the air conditioning network in various ways. BACnet gateway can control up to 256 indoor units, used in combination with S-NET 3.

- Interface for BACnet management system
- Maximum of 256 indoor units plus ERVs, supported by a maximum of 80 interface modules
- Includes DMS 2.5 functions

**LonWorks Gateway
MIM-B18BN**

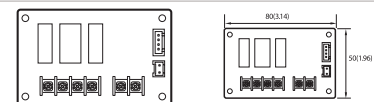
LonWorks gateway is an interface for Lon-Connection to the LonWorks management system, providing you with a more convenient way to manage your air conditioning system. It can control a maximum of 128 indoor units, used in combination with S-NET 3.

- Exclusive use for DMS 2.5 power distribution
- Connection with up to eight watt-hour meters
- Pulse interface with watt-hour meters
- Watt-hour meter - by third party

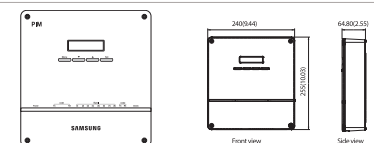
**External Contact Interface Module
MIM-B14**

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. The module also 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

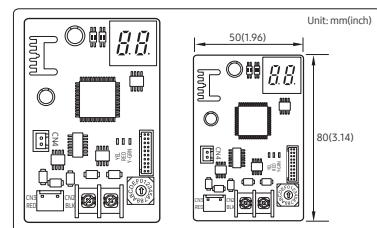
**PIM (Pulse Interface Module)
MIM-B16N**

- 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 eight watt-hour meters
- Pulse interface with watt-hour meters
- Watt-hour meter - by third party

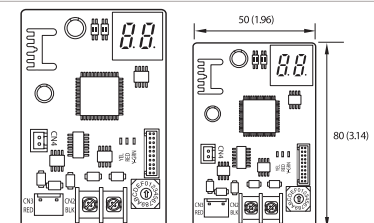
**Modbus Interface Module
MIM-B19N**

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

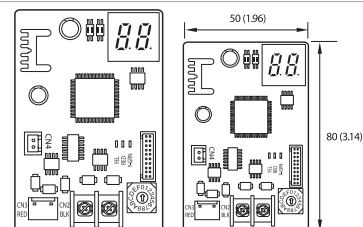
**Interface Module
MIM-N01**

- Communication interface module between outdoor units and the upper level controller which makes use of a different type of communication
- Connect one interface module to one outdoor unit
- Individual control - maximum of 48 indoor units
- Group control - maximum of 16 groups
- Automatic detection of communication type: determine the communication type used by the upper level controller according to the communication type used by the outdoor unit
- Supported communication type
 - Conventional outdoor unit communication ↔ New upper level controller communication
 - New outdoor unit communication ↔ Conventional upper level controller communication

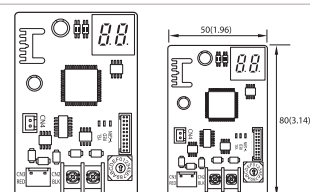


Interface Module (Converter RS485 to NASA)
MIM-N10

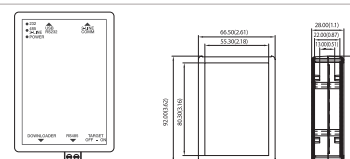
- Communication interface module between new communication ERV and controller
- Connect one ERV interface module to a maximum of 16 ERVs
- Individual control - maximum of 16 ERVs
- Group control - maximum of 16 groups
- Supported communication type
 - Conventional ERV communication ↔ New upper level controller communication
 - New ERV communication ↔ Conventional upper level controller communication
 - New ERV communication ↔ New upper level controller communication


FCU Interface Module
MIM-F10N

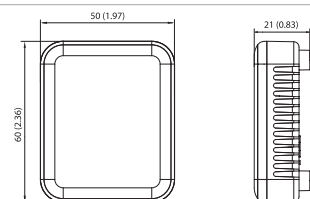
- Communication interface module
- Connect one FCU interface module to a maximum of 16 FCU Kits.
- Supports FCU Kit only


Installation/Test Run Solution
S-Converter
MIM-C02N

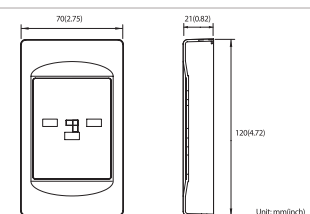
- Communications converting module to connect Samsung system air conditioner to a PC.
- Main purpose for use
 - To connect with test run programme [Test run programme]
 - S-NET Pro: Conventional communication
 - S-NET Pro2: New communication


Others
External Room Sensor
MRW-TA

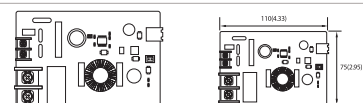
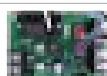
- Indoor unit is operated by MRW-TA instead of its own sensor.
- Wire length: 12 m (39 ft)


Operation Mode Selection Switch
MCM-C200

- Outdoor unit operation mode selection (Cooling, Heating or Auto)
- Mixed operation mode protection


MTFC (Multi-Tenant Function Controller)
MCM-C210N

- Multi-tenant function controller is an auxiliary power supply device which allows the indoor unit to turn off (close EEV) normally and maintain communication when the mains power supply is cut.
- It is used on sites such as hotels, where individual power is supplied to the indoor unit







Accessories

Line-up

Classification	Image	Model	Application
Drain Pump		MDP-E075SEE3D	Slim Duct (2.0~14.0 kW)
		MDP-Z075SZED	MSP Duct (5.2 kW)
		MDP-M075SGU2D	MSP Duct (12.8/14.0 kW) HSP Duct (11.2/14.0 kW)
		MDP-M075SGU3D	MSP Duct (5.6/7.1 kW)
		MDP-M0475SNC1D	HSP Duct (22.4/28.0 kW) Fresh Air Intake Duct (14.0 kW)
		MDP-G075SP	Global Duct (External Type)
		MDP-G075SQ	Global Duct (Internal Type)
CAC R32 AHU Kit		MXD-K100XN1	2.6 kW ~ 25.0 kW AHU
Humidifier		MVO-VA050100	500 m³/hr (ERV Plus)
		MVO-VA100100	1,000 m³/hr (ERV Plus)
360 Cassette Front Panel		PC4NUDMAN	NASA, Square
		PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	NASA, Circle (exposed installation)
		PC4NBNMAN	NASA, Circle (exposed installation) - Black
WindFree™ 4-Way Cassette Front Panel		PC4NUFMAN	WindFree™ 4-Way Cassette
WindFree™ 4-Way 600x600 Cassette Front Panel		PC4SUFMAN	WindFree™ 4-Way 600x600
WindFree™ 1-Way Cassette Front Panel		PC1NWFMAN	WindFree™ 1-Way Cassette

Classification	Image	Model	Application
Motion Detect Sensor		MCR-SMC	WindFree™ 4-Way Cassette
		MCR-SMD	WindFree™ 4-Way 600 x 600 Cassette
		MCR-SME	360 Cassette with square panel
360 Cassette Air Purification Panel		PC6EUCMAN	360 Cassette
360 Cassette Auto Elevation Panel		PC6EUXMAN	360 Cassette
WindFree™ 4-Way Cassette Air Purification Panel		PC4NUCEAN	WindFree™ 4-Way Cassette
WindFree™ 4-Way Cassette Auto Elevation Panel		PC4NUXMAN	WindFree™ 4-Way Cassette
WindFree™ 1-Way Cassette Small Air Purification Panel		PC1MWCMAN	WindFree™ 1-Way Cassette
WindFree™ 1-Way Cassette Medium Air Purification Panel		PC1NWCMAN	WindFree™ 1-Way Cassette
WindFree™ 1-Way Cassette Large Air Purification Panel		PC1BWCMAN	WindFree™ 1-Way Cassette

Design and support



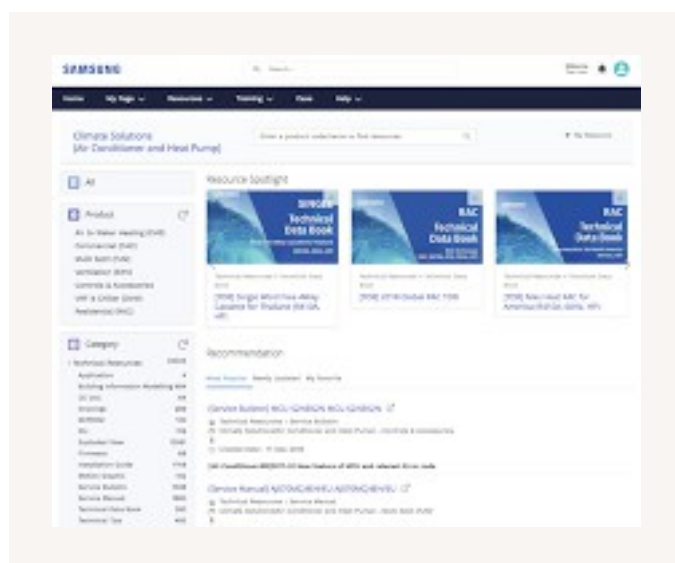


Samsung Climate Solutions Partner Portal

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

Access technical resources

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



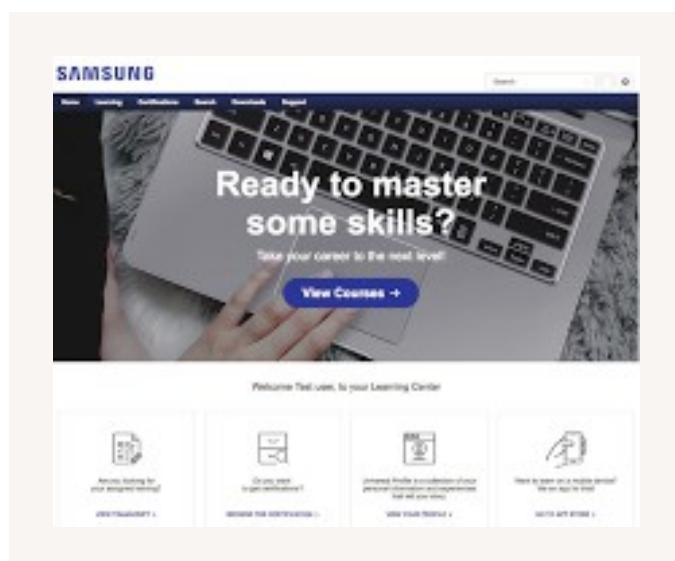
Request technical support

You can easily request technical support through the Samsung Partner Portal by reporting 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.

Register for training

If you are dedicated to becoming a Samsung climate solutions expert, you can access Samsung's educational portal for training sessions provided by experienced trainers. The portal allows you to search for online courses and materials, test your climate solutions knowledge, and more. The Samsung Business Academy is here to help you succeed.¹

¹ The registration process for and availability of training courses may vary per country. Please contact your direct Samsung contact person for more information.



How to access



1

Register

To register for the Samsung Climate Solutions Partner Portal, open your web browser¹ and go to **partnerhub.samsung.com/climate** to complete the registration form.



2

Access

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



3

Manage account

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



4

Search and download

Access a full library of resources, request technical support, or sign up for a Climate Solutions Academy training session.

¹ Google Chrome is the recommended web browser for using the Samsung Climate Solutions Partner Portal.

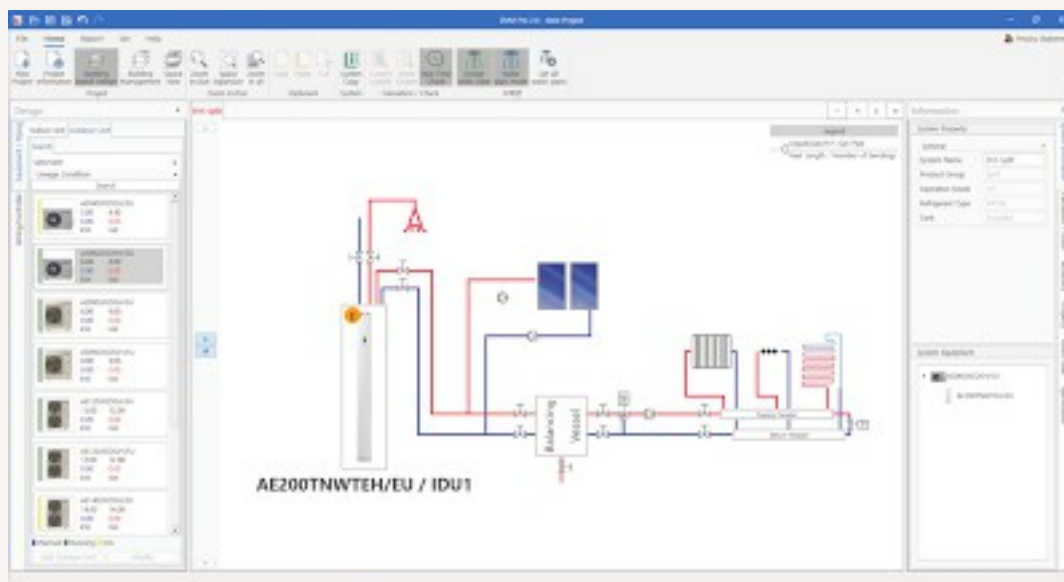
Samsung DVM Pro 2.0

Samsung introduces new updated version of DVM Pro version 2.0. Product selection is extended and now the tool is also available for EHS and HVM lineup.

Samsung DVM Pro 2.0 is an advanced design automation programme which helps you to select the most suitable equipment for easily and precisely designing your air conditioning system. It helps to ensure that the system's design falls within Samsung's engineering guidelines. With its reports, pipe and wire diagrams, additional refrigerant values and other information, Samsung DVM Pro 2.0 is a powerful tool for engineers, designers or installers.

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

Piping schematics

Basic or manual selection with system check and capacity simulation

Reports

Specifications, diagrams in DWG & BMP format, quotations

Control systems

Automatic control unit selection

Updated Toolbar

User-friendly tool bar helps to guide intuitively

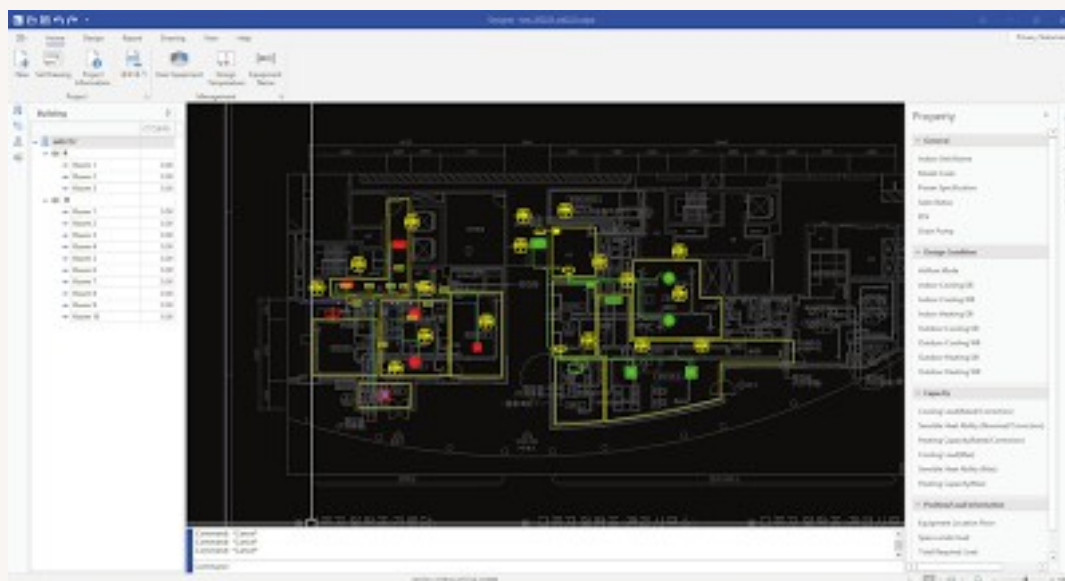
Wiring schematics

Automatic diagrams including communication wiring for indoor/outdoor/control units and electric power meters

CAD Mode

CAD Mode is an in-depth and precise design tool that enables users to design their air conditioning systems using AutoCAD software¹.

¹ Sourced separately.



Pipe sizing & lengths
Refrigerant & drain pipe sizing

System check
Installation regulation & refrigerant charging

Automatic selection
Refnet joint, header & distributor kit

Performance simulation
Capacity correction tool against specific design conditions

Automatic report
Piping installation

Design without AutoCAD
Compatible with AutoCAD and AutoCAD LT for DWG.

How to access



Register

Go to dvmpromkt.samsung.com to access the Samsung DVM Pro 2.0 Portal¹. If you do not have access yet, complete the registration process and you will be sent the access details.



Select

Click on DVM Pro 2.0 via the main menu and scroll to the end of the page to select the option DVM Pro 2.0 download.



Download

Download the DVM Pro 2.0 installation file, view the user manuals, and start designing your project.

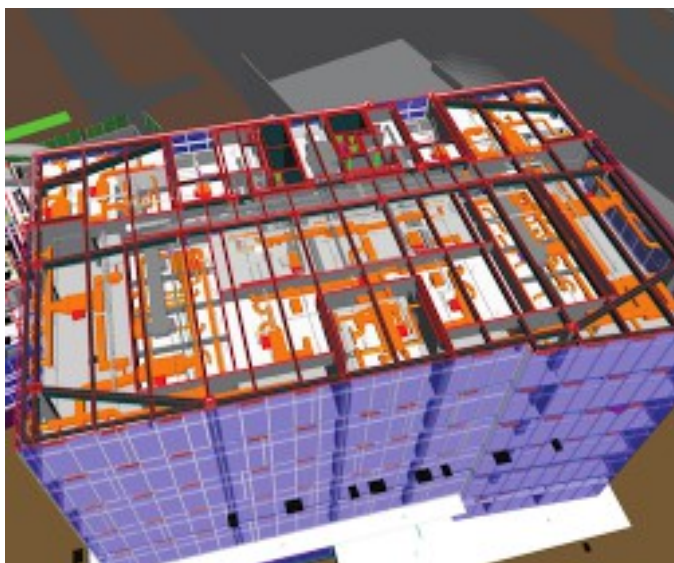
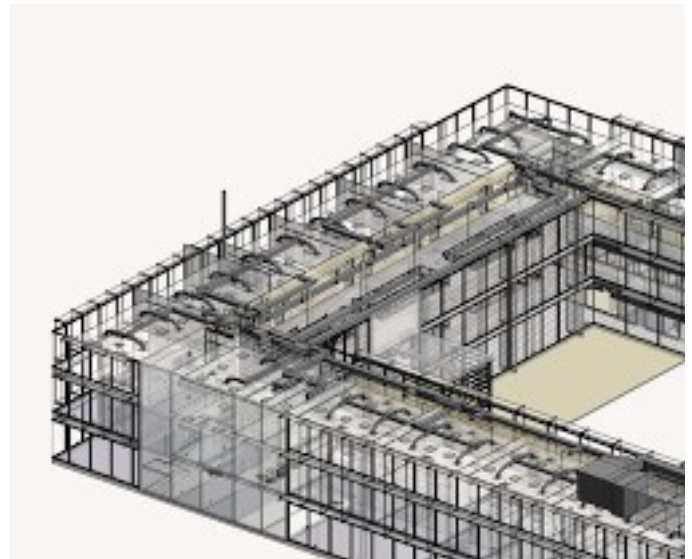
¹ Google Chrome is the recommended web browser for using the Samsung DVM Pro 2.0 Portal.

Samsung specialist design support

Bringing together technical expertise and practical experience in climate system design, Samsung provides a single point of contact for the design and management of cooling and heating installations in buildings. With assistance ranging from 3D visualisations with BIM support to CFD analysis to optimise indoor thermal conditions and BREEAM assessments to achieve the best environmental performance, Samsung's specialist engineers are ready to support you in making your project a success.

BIM support

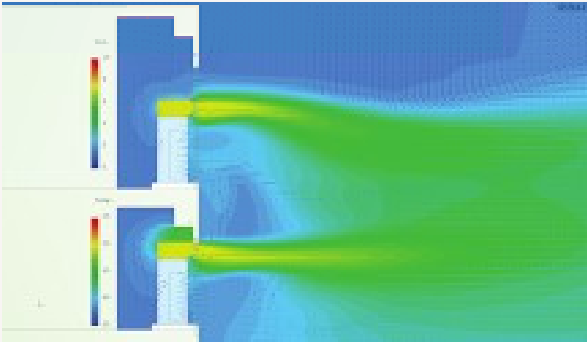
Building Information Modelling (BIM) is an intelligent 3D model-based process for creating and managing information on the physical and functional characteristics of a building, across the project lifecycle and covering all parties involved, including the supply chain. BIM gives architects, engineers and construction professionals the insights and tools necessary to efficiently plan, design, construct and manage buildings and infrastructure.



To support you as one of our Climate Solutions partners, Samsung has developed a full range of BIM models for all VRF and VRF Chiller products. You can download these 3D models directly from the BIM object library to start planning your project design. Alternatively, you can call on our qualified Samsung engineering team for dedicated project design support, using Revit® software to create 3D plans of the building including Samsung air conditioner installations.

CFD analysis

Computational Fluid Dynamics (CFD) uses numerical analysis and data structures to analyse thermal conditions in buildings. It allows the virtual testing and optimisation of various climate system configurations in the context of occupant comfort, energy efficiency and running cost. Samsung can offer you specialist CFD support that includes analyses such as indoor temperature profiling, airflow distribution and sound simulation.



BREEAM advice

BREEAM (BRE¹ Environmental Assessment Method) is one of the most widely used environmental assessment methods and rating systems for buildings. It sets the standard for best practice in sustainable design and has become the de facto measure used to describe a building's environmental performance. Samsung's Accredited Professionals (APs) can support you in assessing the optimal installation for achieving a high certification score to match your green building programme.

¹BRE (Building Research Establishment) is a leading, multidisciplinary building science centre based in the United Kingdom.



How to obtain support



BIM support

To download Samsung BIM models, go to the Technical Resources on **partnerhub.samsung.com/climate**¹. To request dedicated project design support from Samsung, please contact your Samsung representative.



CFD analysis

To obtain CFD analysis support from Samsung, please contact your Samsung representative. Certain conditions may apply, subject to the project.



BREEAM advice

Please contact your Samsung representative to request a BREEAM evaluation by one of Samsung's Accredited Professionals (APs).

¹ Google Chrome is the recommended web browser for using the Samsung Climate Solutions Partner Portal.

Samsung Climate Solutions Academy

Samsung Climate Solutions Academy is committed to providing engineers with the technical skills required to install a Samsung product efficiently, and to help relay 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.



Available training modules

Essential courses: Basic commercial training

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

Advanced courses: 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 2.0 - Samsung's advanced design tool
- Case studies

Note: the registration process for and availability of training courses may vary per country. Please contact your Samsung representative for more information.

Samsung training centres in Europe



How to register for training



Search

To check for available training courses, go to Samsung Business Academy (SBA) via the Samsung Climate Solutions Partner Portal¹: partnerhub.samsung.com/climate. Search the online event calendar and select the training course you would like to attend.



Register

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



Get certified

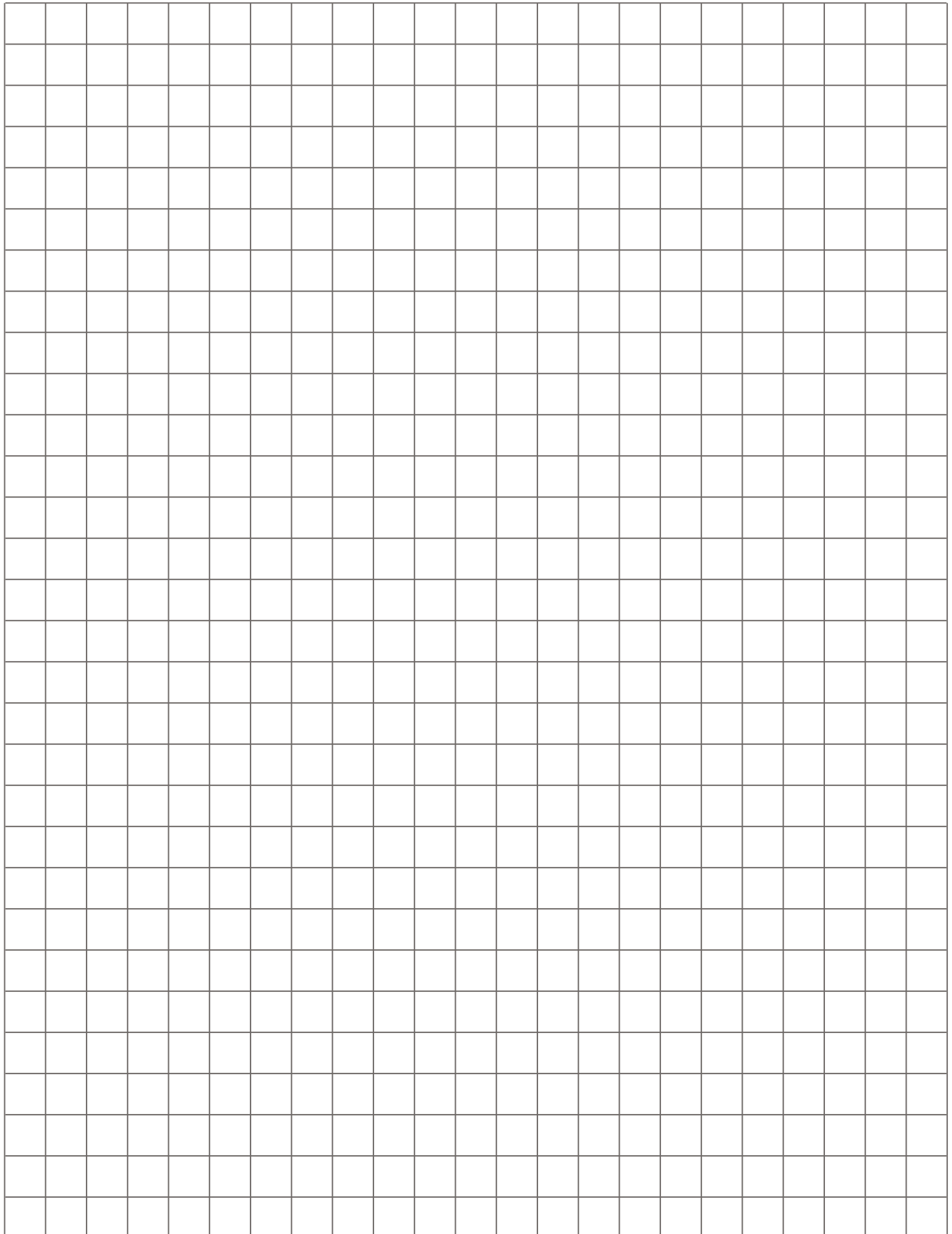
Following confirmation of your registration, we will invite you to one of our training centres. You will be trained by one of our specialised Master Trainers or Product Specialists, and receive a Certificate of Completion.

¹ Google Chrome is the recommended web browser for using the Samsung Climate Solutions Partner Portal.

Notes

[illegible]

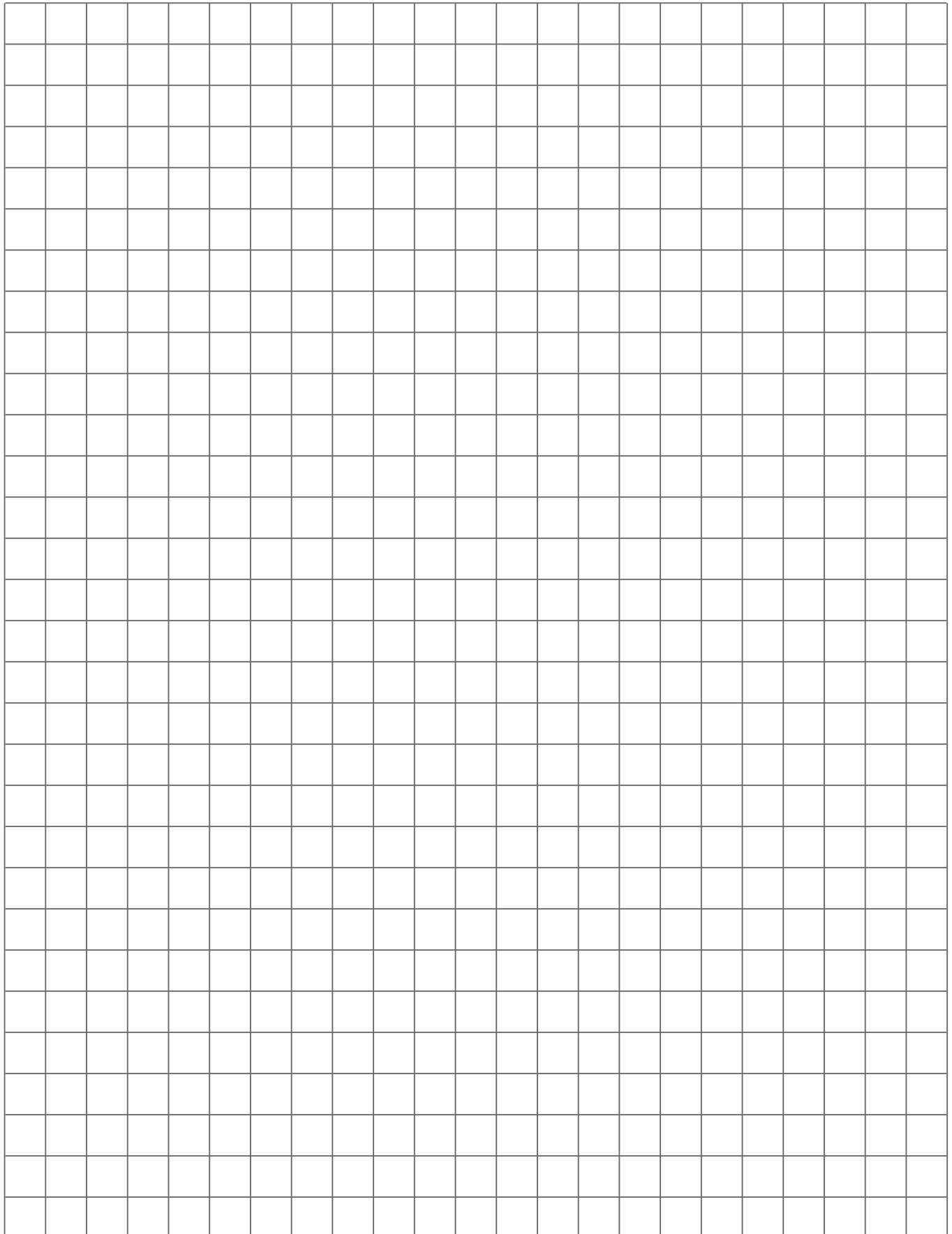
Notes



Notes

[illegible]

Notes



SAMSUNG

Find your flow.

Create your perfect environment.

Learn more about Samsung Climate Solutions at:
www.samsung.com/climate

Copyright © 2022 Samsung Electronics Air Conditioner Europe B.V. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co., Ltd. Specifications and designs are subject to change without notice and may include preliminary information. Non-metric weights and measurements are approximate. All data was deemed correct at the time of creation. Samsung is not liable for errors or omissions. Some images may be digitally altered. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognised and acknowledged.



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

Samsung Electronics Air Conditioner Europe B.V.
Evert van de Beekstraat 310, 1118 CX Schiphol
P.O. Box 75810, 1118 ZZ Schiphol
+31 (0)8 81 41 61 00
The Netherlands