

SAMSUNG
Climate Solutions



Residential & Light Commercial

Product Catalogue

2024

Highlights

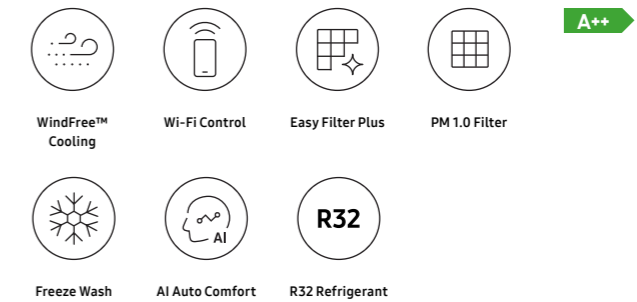
WindFree™ Pure 1.0

Samsung introduced the market's first air conditioner with WindFree™ technology in 2017. WindFree™ Cooling disperses conditioned 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.



- 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 drafts.
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.

works with **amazon alexa**

Bixby

works with **Hey Google**

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.

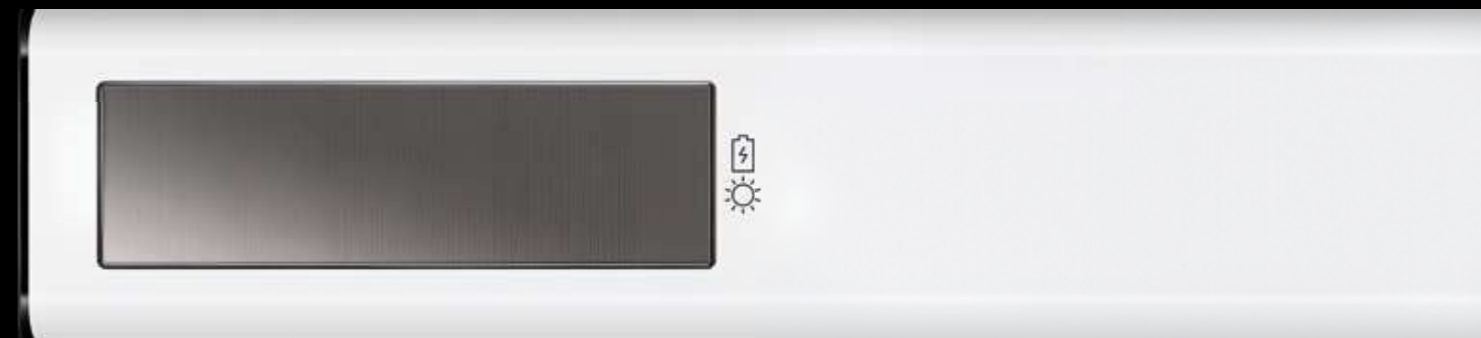
The core features are:

- 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.

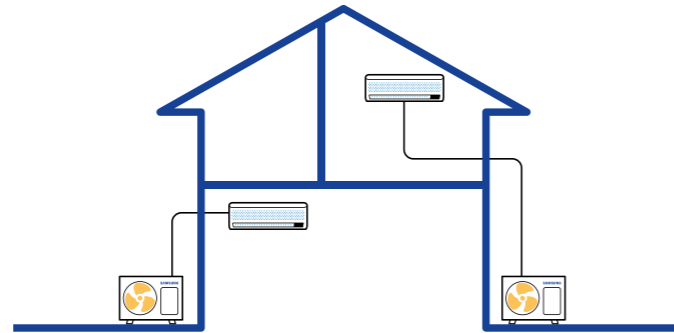
¹ The SolarCell Remote Controller is included with the WindFree™ Elite and WindFree™ Pure 1.0.



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.

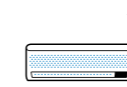


Available Samsung product range

indoor units

outdoor units

controls



Wall-Mounted



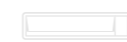
360 Cassette



4-Way Cassette



1-Way Cassette



Duct



Floor



Ceiling



Console



R32



R410A



Wireless



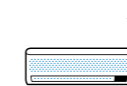
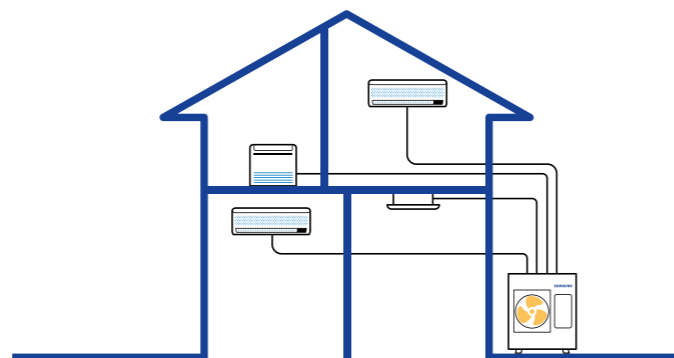
Wired



Centralised

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.



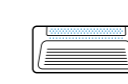
Wall-Mounted



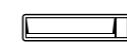
360 Cassette



4-Way Cassette



1-Way Cassette



Duct



Floor



Ceiling



Console



R32



R410A



Wireless



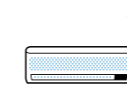
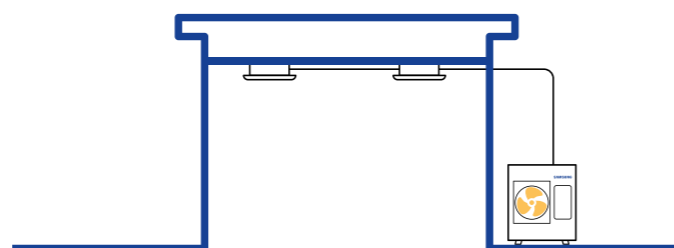
Wired



Centralised

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.



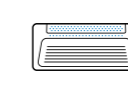
Wall-Mounted



360 Cassette



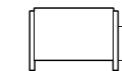
4-Way Cassette



1-Way Cassette



Duct



Floor



Ceiling



Console



R32



R410A



Wireless



Wired



Centralised

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

10 Introduction

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



22 Innovations in detail

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



58 Single Split

Line-up
Selection guide
Nomenclature
WindFree™ Elite
WindFree™ Pure1.0
WindFree™ Avant
WindFree™ Comfort
Cebu
Luzon
AR35 and AR30
Nordic WindFree™ Geo
Nordic Geo Premium
Nordic Geo
Nordic Airise
Nordic Console
Console



116 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 + combination guide

174 Commercial split

Line-up
Selection Guide
Nomenclature
Twin/triple/quad combinations
360 Cassette
360 Cassette HEE
WindFree™ 4-Way 600 x 600 Cassette
WindFree™ 4-Way 600 x 600 Cassette HEE
WindFree™ 4-Way Cassette
WindFree™ 4-Way Cassette HEE
WindFree™ 1-Way Cassette
HSP Duct (R410A)
MSP Duct
MSP Duct HEE
LSP Duct
WindFree™ Deluxe
WindFree™ Deluxe HEE
Max Wall-Mounted
Max Wall-Mounted HEE
Ceiling
Ceiling HEE
Big Ceiling
Floor-Standing



268 Controls

Line-up
Features and dimensional drawings
Touch Centralized Controller 2.0

280 Accessories

Line-up



284 Design and support

Samsung Climate Solutions Partner Portal
DVM Pro 2.0
Samsung specialist design support
Samsung Climate Solutions Academy

Samsung Climate Solutions help people find their flow

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:



Ventilation



Hot water



Cooling



Heating

Services we provide to empower our partners:



Expert training



Project design



Technical support



Marketing platforms



Spare parts



WindFree™



WindFree™ Cooling

SmartThings



Wi-Fi Control

b.iOT



Building Management System

Our flagship innovations that enrich people's lives

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.

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



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.



Our market-centric product ranges

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

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



Circle K

"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."



Zigmundas Kepalas

Manager Real Estate Development

Samsung products installed



Regulations and standards



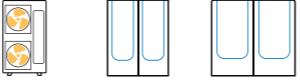
We monitor applicable environmental standards and laws and regulations in the context of our climate solutions operations. Samsung also conducts environmental improvement activities across all product development, production, distribution, use and disposal phases.

Ecodesign

The Ecodesign Directive for Energy Related Products (ErP) aims to raise awareness about the energy efficiency of products, while stimulating 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 less 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

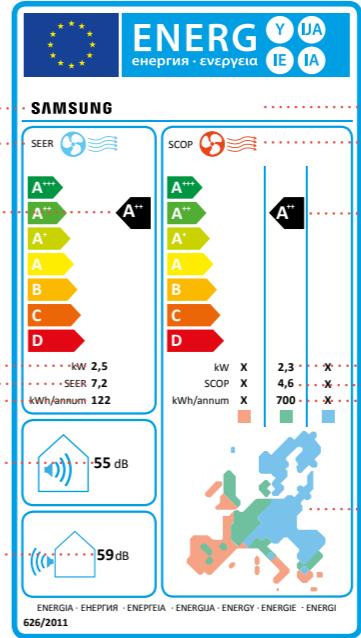
Energy label

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.



Name of manufacturer: SAMSUNG

Name of model: UA

SEER (Cooling): 7.2

SCOP (Heating): 4.6

Energy efficiency class in cooling mode: A++

Energy efficiency class in heating mode: A+

Nominal capacity in cooling mode: 2.5 kW

Nominal capacity in heating mode: 2.3 kW

SEER value: 7.2

SCOP value: 4.6

Annual energy consumption for cooling: 122 kWh/annum

Annual energy consumption for heating: 700 kWh/annum

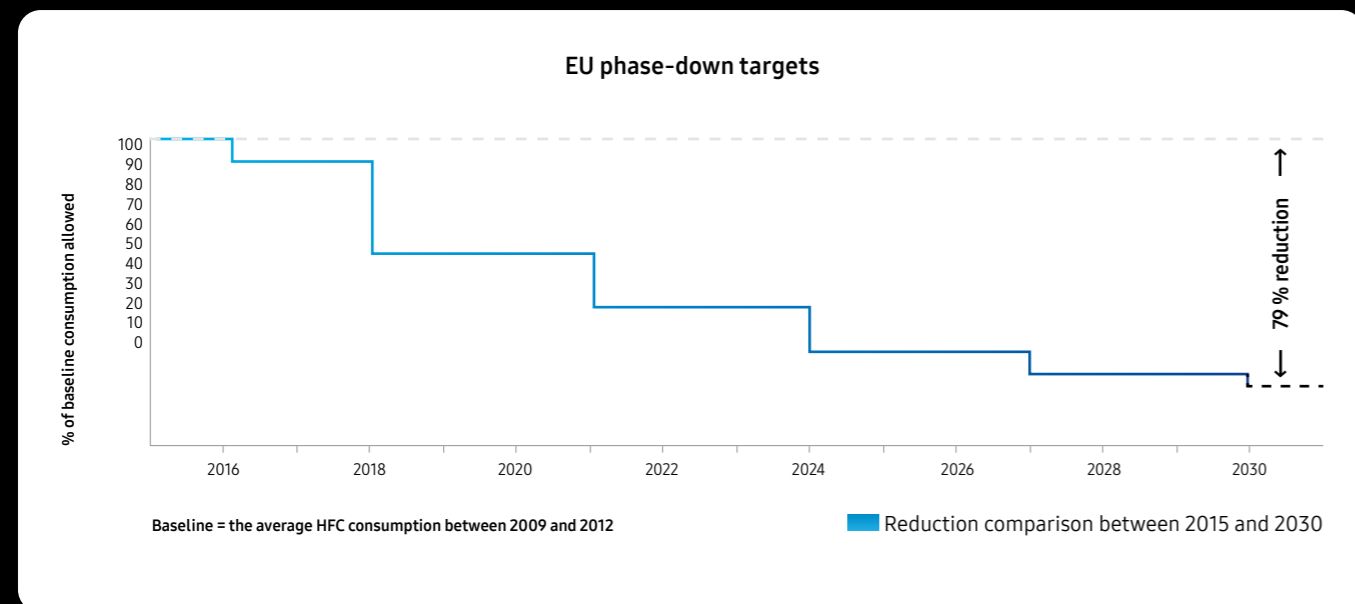
Operating noise for indoor and outdoor: 55 dB (indoor), 59 dB (outdoor)

Climate zones: In heating mode, the EU is divided into three climate zones for calculation and classification purposes. This is to enable calculation of the energy efficiency taking into consideration the actual regional ambient temperatures.

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 tCo₂eq. = (kg of refrigerant x Global Warming Potential) / 1000 and

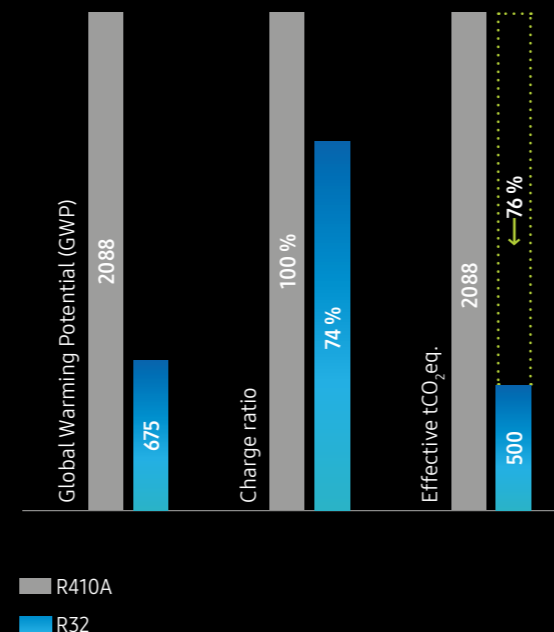
aim to reduce HFC consumption by 79 % in 2030. For new installations of single split air conditioners with a refrigerant charge below 3 kg, the GWP limit is set at 750 starting in 2025. The regulation has been put into force to motivate the industry and its users to transition to refrigerants with a lower GWP. Samsung is doing their part to transition to lower GWP refrigerants such as R32 and will continue to invest in better alternatives for the environment



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 PM 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.

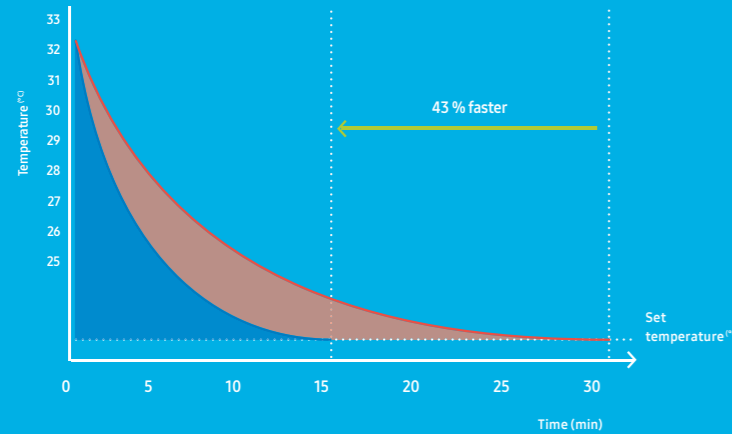
Eurovent is an accredited third-party certification body. It builds customer confidence by leveling the competitive playing field for all manufacturers and by increasing the integrity and accuracy of the industrial performance ratings. Thus providing

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 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



WindFree™ Wall-Mounted



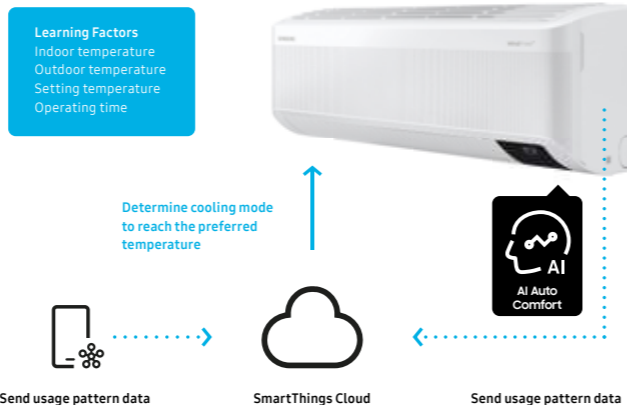
Fast Cooling

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 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.

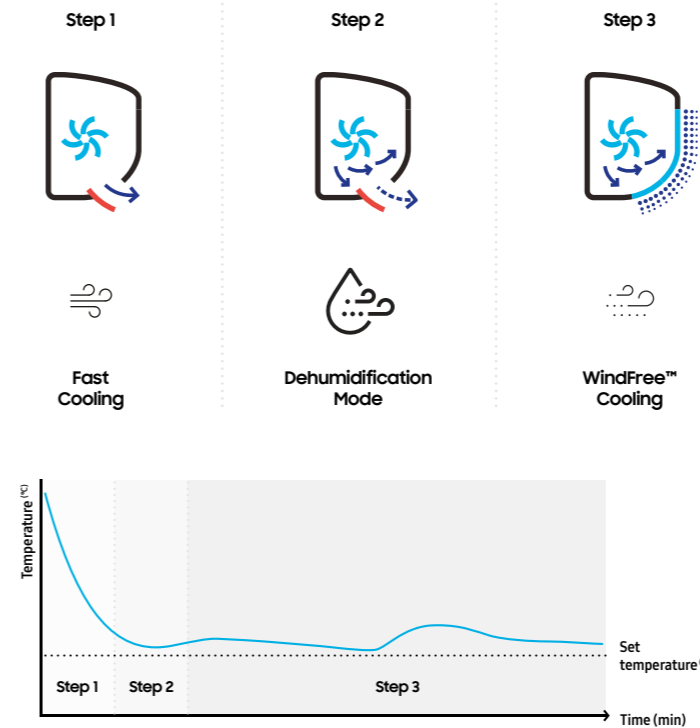
¹ Tested on the AR12TXCAAWKEU model compared with the Samsung conventional model AQ12EASER under specific testing conditions and may vary depending on environmental factors and use.
² Comparing the AR12TXCAAWKEU model with the Samsung conventional model AQ12EASER.
³ Tested on the AR24TXFAWKNEU model under specific testing conditions and may vary depending on environmental factors and use.

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.



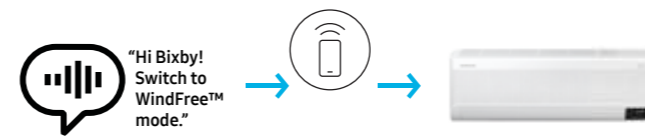
¹ AI = Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required.
² Stores user data, preferences and usage patterns, enabling it to suggest the most comfortable room temperature set point within a range of 22 °C to 26 °C.



WindFree™ Cooling mode

WindFree™ Cooling mode keeps the room comfortably cool. It cools gently and quietly, dispersing air through 23,000 micro-holes 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 77% less energy than Fast Cooling mode³, so people can stay comfortably cool while reducing energy usage.

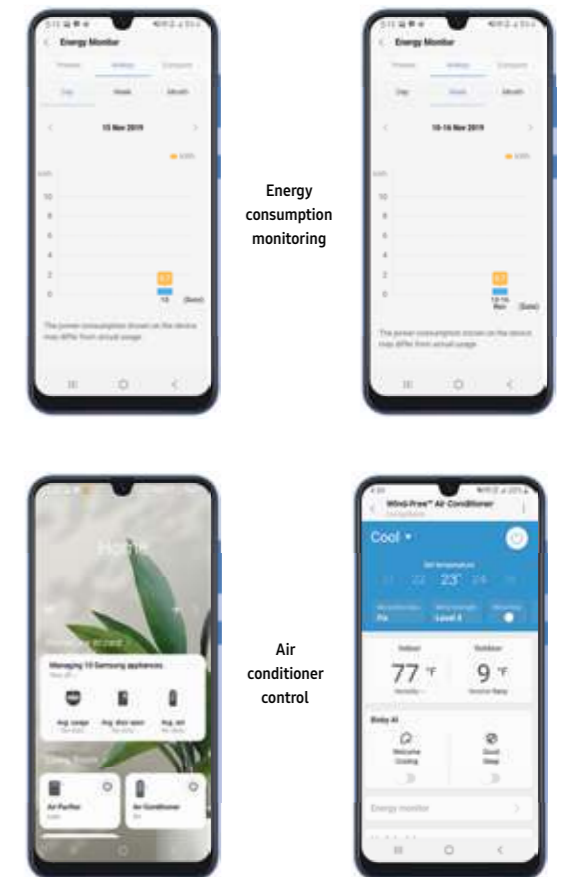
¹ ASHRAE (the American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as air currents moving at speeds below 0.15 m/s, with no cold drafts.
² Tested on the AR12TXCAAWKNEU model in an anechoic environment. WindFree™ mode generates 23 dB(A) of noise, compared to 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 AR12TXCAAWKNEU model under specific testing conditions, based on the power consumption of Fast Cooling mode vs. WindFree™ Cooling mode.



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.

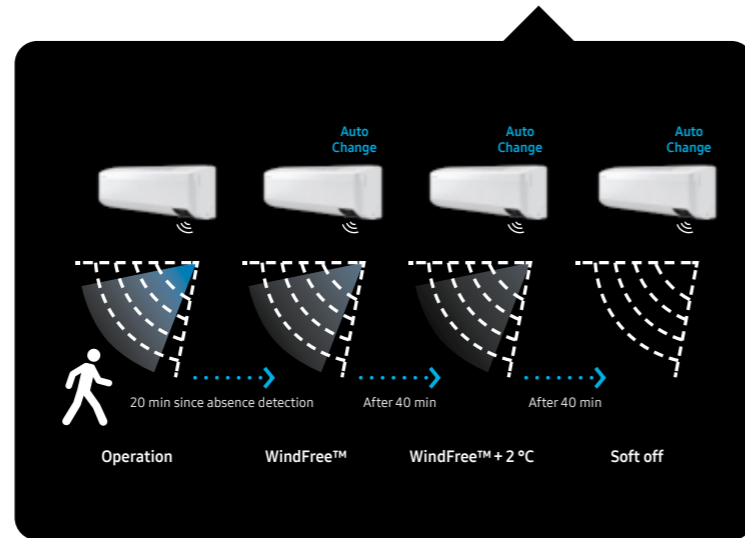


Not all features are available for all models.

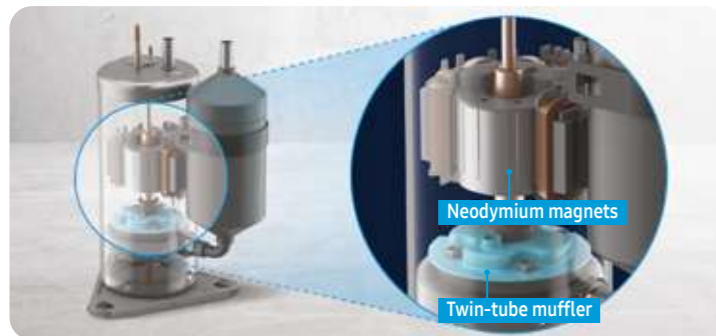


Motion Detect Sensor

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.



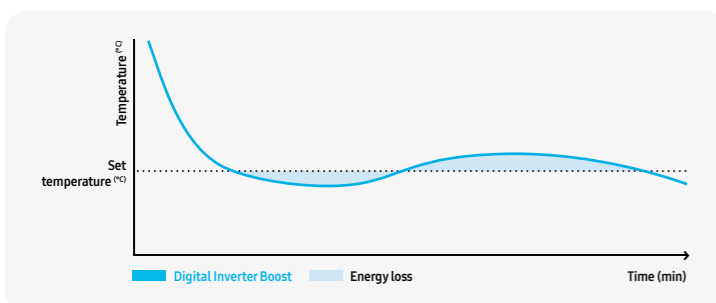
¹ The Motion Detect Sensor (MDS) starts detecting the absence of movement after a minimum of five minutes and up to a maximum of 60 minutes.



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 AR09NXCAAWKNEU.



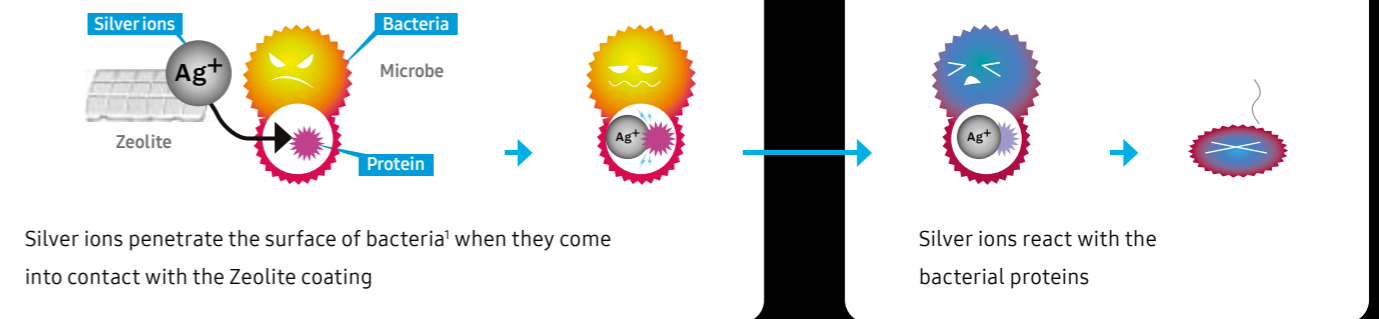
Easy to detach



Easy to clean



Antibacterial process¹



Silver ions penetrate the surface of bacteria¹ when they come into contact with the Zeolite coating

Silver ions react with the bacterial proteins

Easy Filter Plus

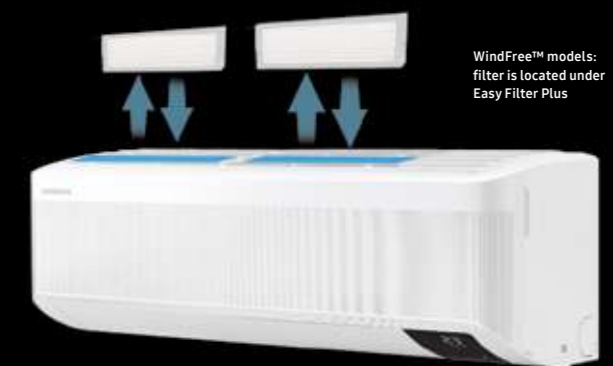
Unlike conventional filters that may be difficult to access the Easy Filter Plus is located externally on the top of the unit. This means it can be easily removed and cleaned without needing to open a cover or pull hard on it. Thanks to the filter's dense mesh the unit is able to capture certain types 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 (FIT). 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.

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™ Pure 1.0 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 Escherichiacoli 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.



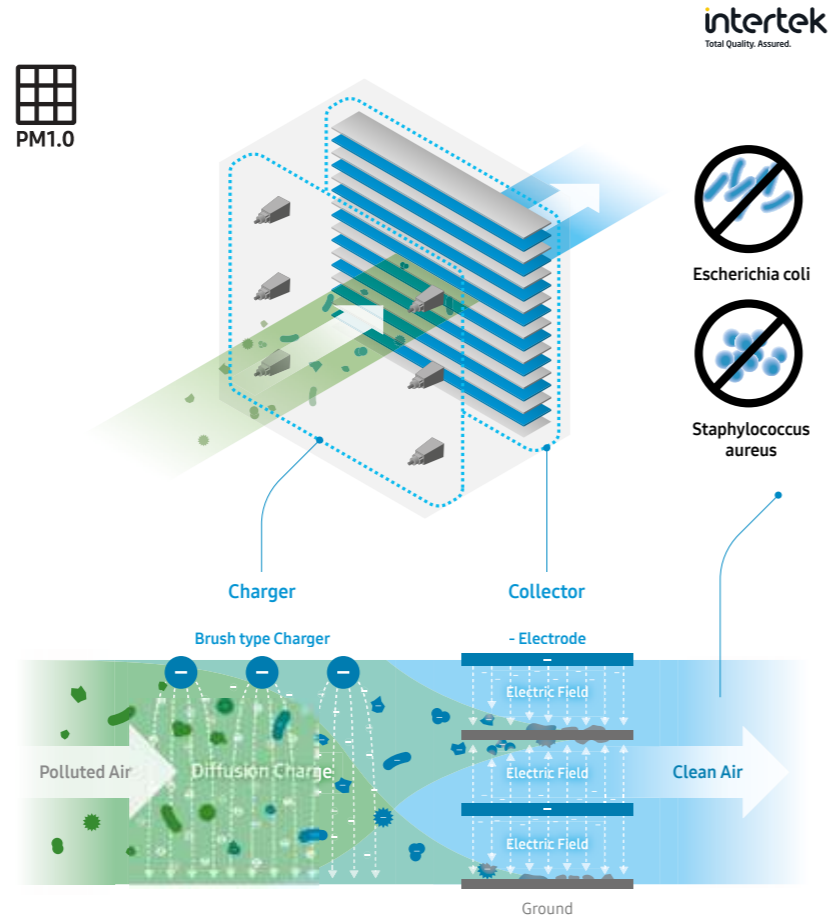
Not all features are available for all models.

PM 1.0 Filter

The PM1.0 Filter not only effectively captures ultrafine dust up to 0.3 μm 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%).

Removes 50% of 0.3 μm size dust particles in a 30m² indoor area with 10 minutes operation per hour. Tested on the AR131YAAWKNST model. Results may vary depending on environmental factors and individual use. It can only be set using SmartThings App.



Based on the Intertek Test Report (No. RT20E-S0010-R). Test bacteria: Escherichia coli, Staphylococcus aureus

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.

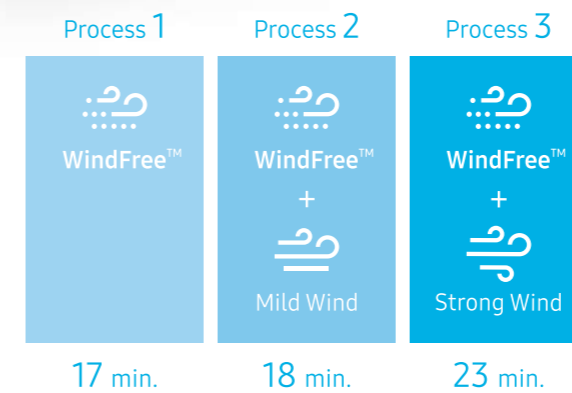
Besides indicating the indoor air quality level, the advanced display¹ can also indicate temperature easily, activated function at a glance through the display. The enhanced capabilities allows for the monitoring of the temperature and highest dust fraction types PM₁₀, PM_{2.5} and PM₁.

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 exchangers 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. It's 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 (Oversea)" 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.



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.

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



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)

Installation time:
9.3 min

45% ↓

Assembled parts (3)/
Screw points (2)

Installation time:
5.1 min



Innovations in detail

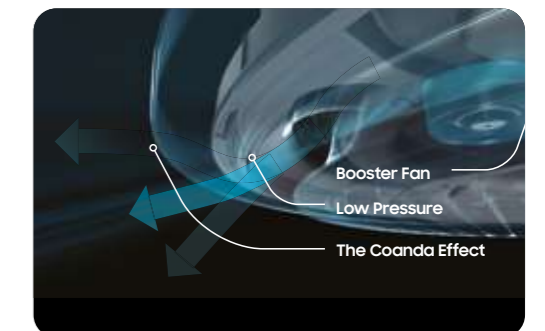
360 Cassette



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.



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.

Not all features are available for all models.

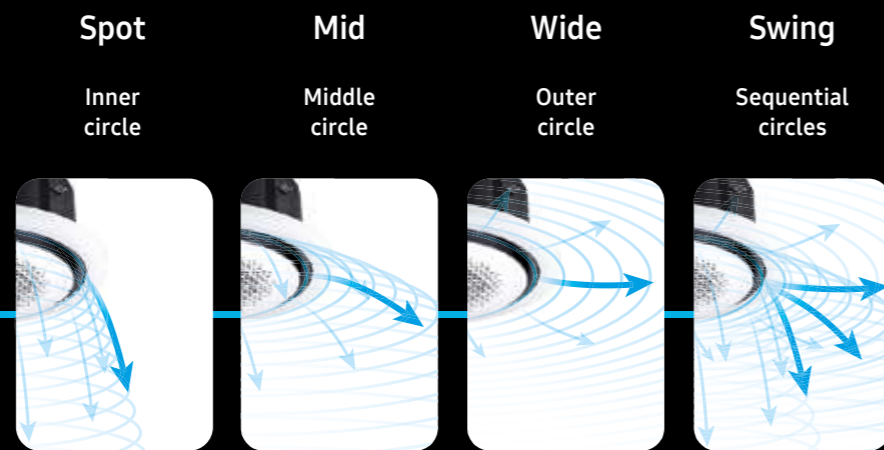


Circular LED display

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.



Samsung 360 Cassette

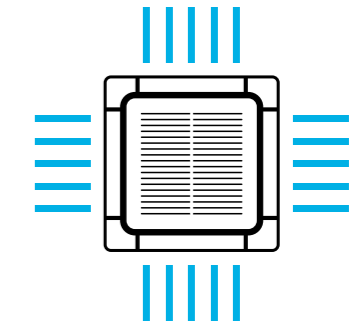
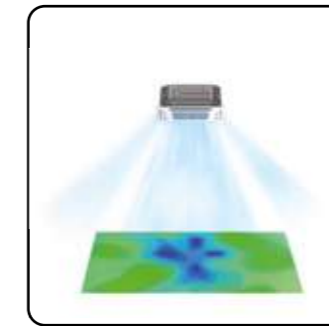


Circular airflow

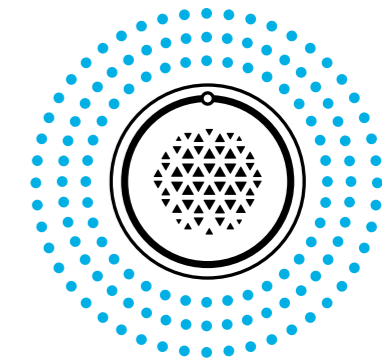
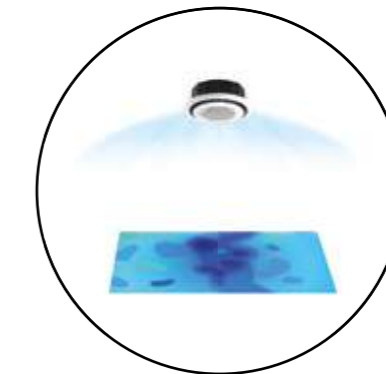
Unlike traditional 4-Way Cassette units¹, which create areas of uneven airflow², the 360 Cassette reaches every single corner of a room or space. Its circular outlet blows cool air in every direction. The bladeless design keeps things comfortably cool without creating a cold draft³, and without blades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

Conventional 4-Way Cassette



Samsung 360 Cassette



Not all features are available for all models.

Air Purification Panel

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 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 4.5 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.

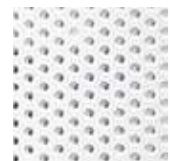


WindFree™ 4-Way Cassette



WindFree™
4-Way 600 x 600 Cassette

9,000 micro-holes



WindFree™
4-Way Cassette

15,700 micro-holes

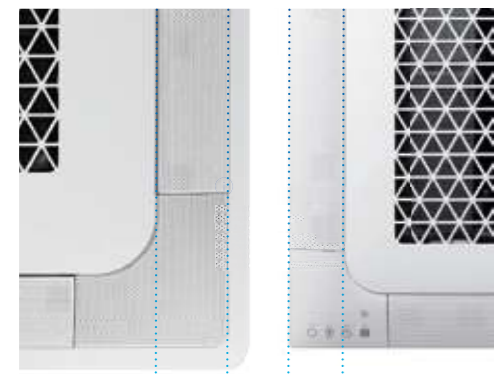


WindFree™ Technology

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.

The WindFree™ 4-Way Cassette is now available in FCU.

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.



84mm 66mm

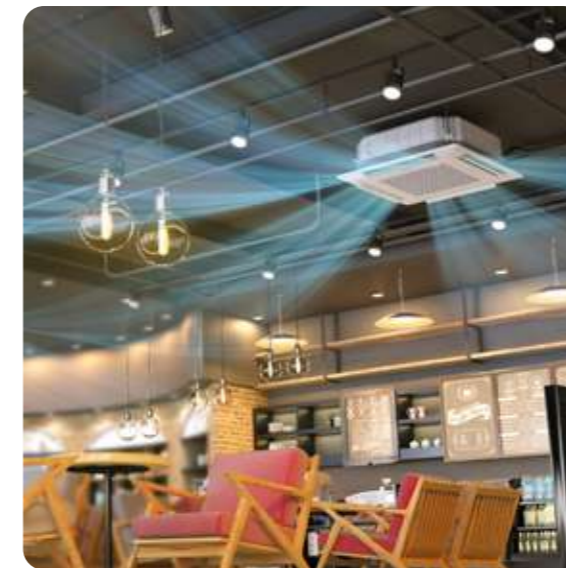
Optimised blades

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 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.

Smart Comfort Operation

The WindFree™ 4-Way Cassette and the WindFree™ 4-Way 600 x 600 Cassette boosts 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.



Fast Cooling

If room reaches comfort zone



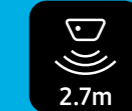
WindFree™ Cooling

Motion Detect Sensor (optional)

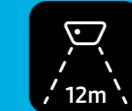
The improved Motion Detect Sensor (MDS) detects the presence and location of people in the room, enabling automatic management of airflow direction and efficient air cooling.



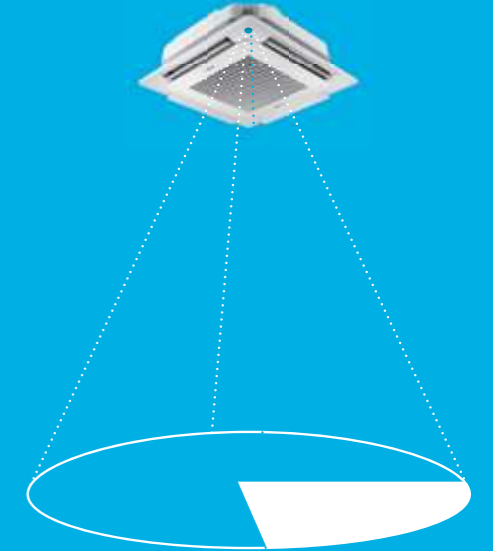
Detect presence



Sensor height range



Sensor width range



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. 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.

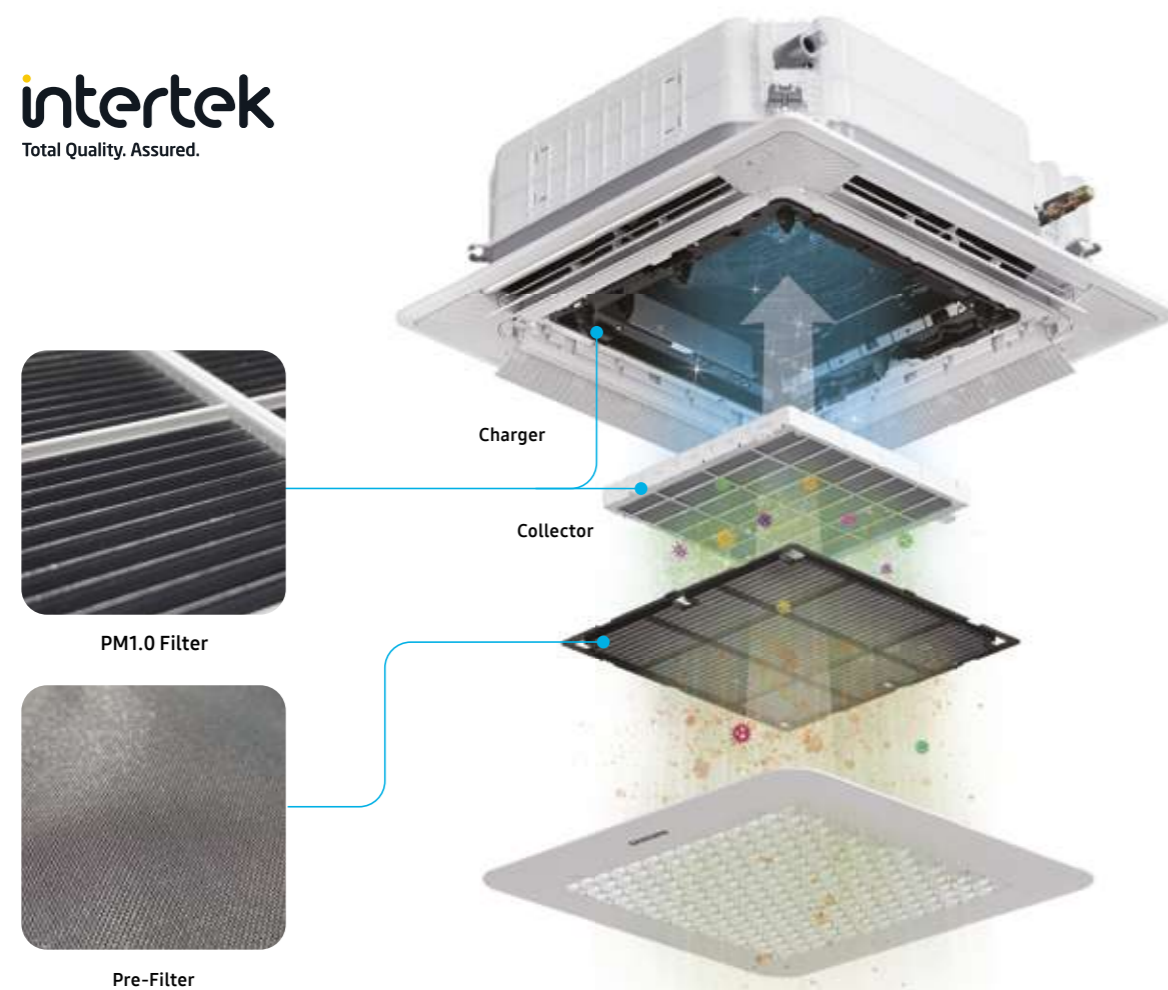


Not all features are available for all models.

Air Purification Panel

The Air Purification Panels in the WindFree™ 4-Way Cassette contain two types of filters to enhance the mitigation of certain Particulate Matter (PM), aimed to keep the indoor air cleaner 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 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.



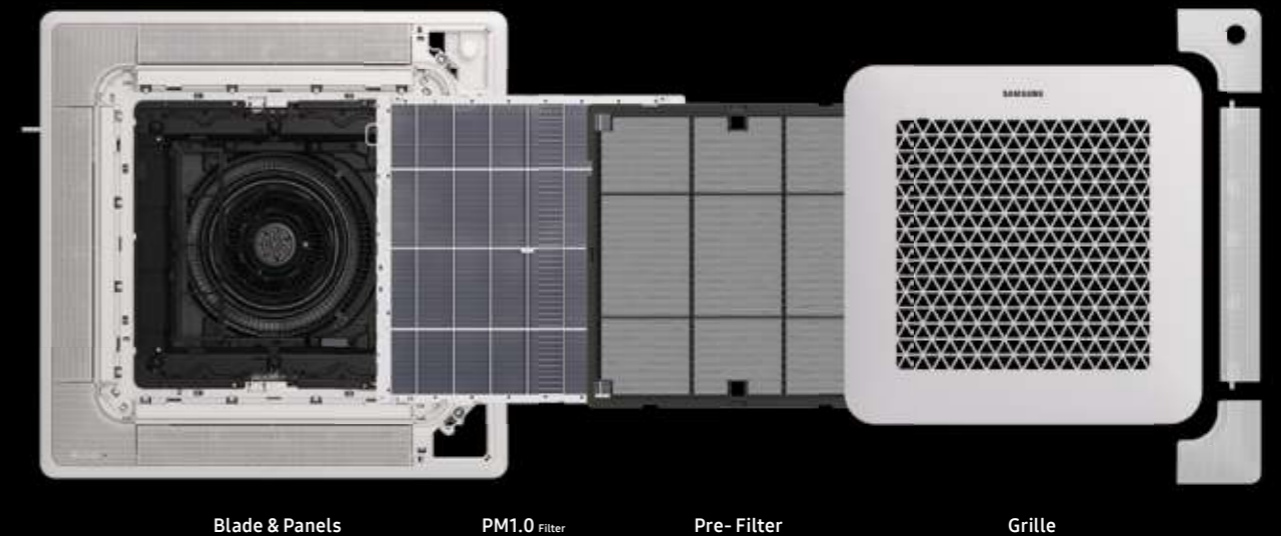
¹ Intertek Report No.: RT20E-S0010-R Date: APR. 17, 2020 (Revised) Based on the data collected the Hypothesis is accepted: The K-element (Electrostatic Precipitator) of Samsung Electronics can sterilize the certain types of bacteria that collected on the filter. (Escherichia coli: above 99 %, Staphylococcus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

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.

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

● Blinking

Not all features are available for all models.

WindFree™ 1-Way Cassette

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.



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 Airconditioner



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



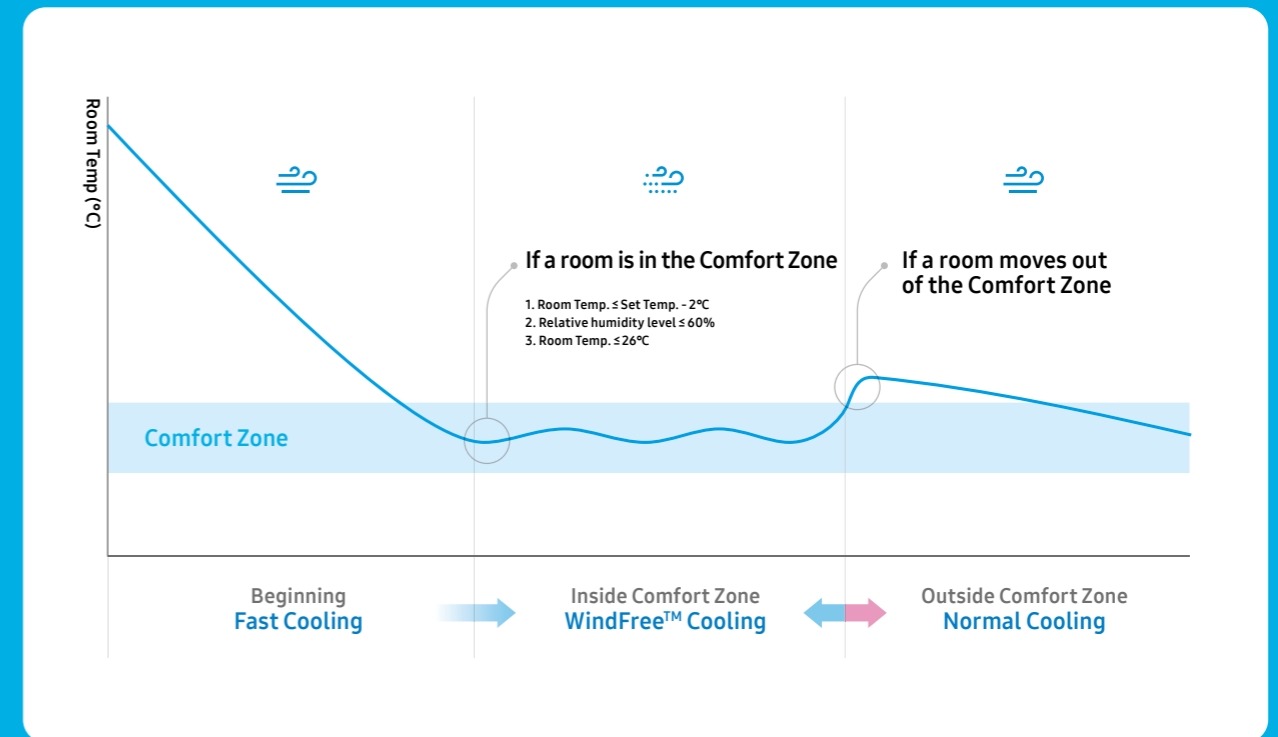
Anyone can clean it with water
Only the filter needs to be cleaned



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 7.1 kW indoor unit.



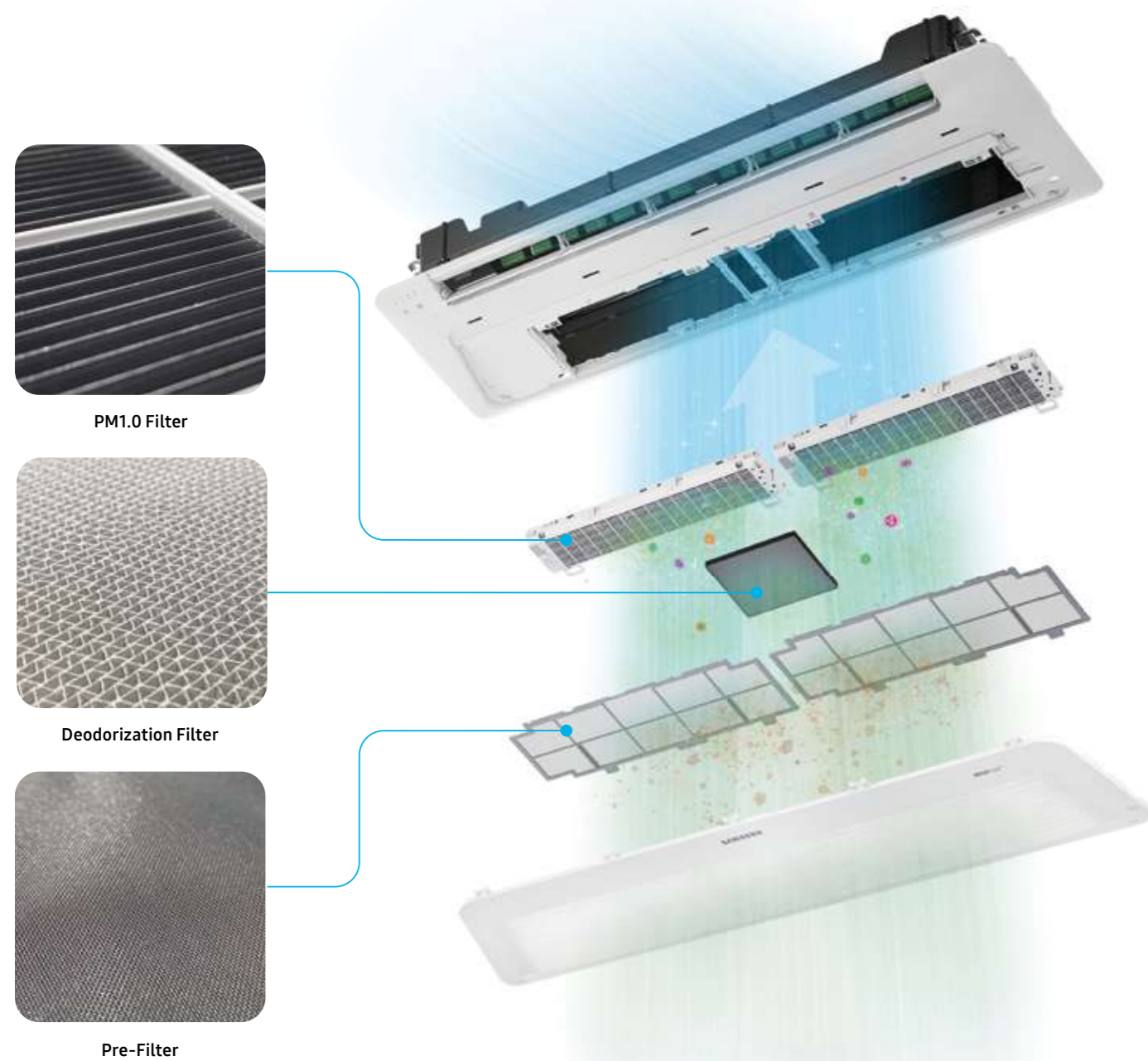
Smart Comfort Operation

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.

Not all features are available for all models.



Air Purification Panel

The Air Purification Panels in the WindFree™ 1-Way Cassette contain three types of filters to enhance the mitigation of certain 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 certain types of 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 %)



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"¹, which cools the room gradually and noticeably without drafts.

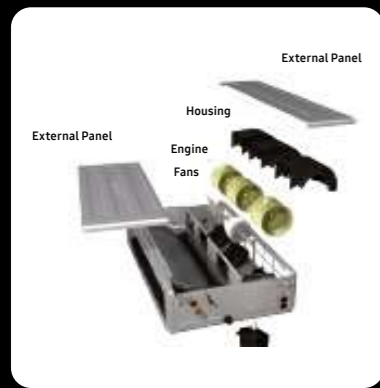
¹ ASHRAE (the American Society of Heating, Refrigeration, and Air-Conditioning Engineers) defines "Still Air" as air currents moving at speeds below 0.15 m/s, with no cold drafts.

Duct

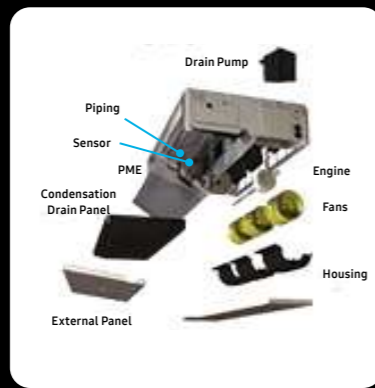
Easy installation and servicing

Thanks to their ultra-compact design, Samsung duct units can be placed almost anywhere and can even be split into two parts (20/25 kW models). This makes for easy installation

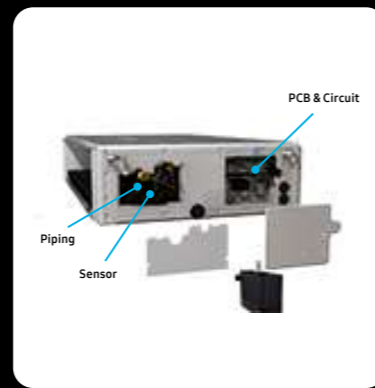
and maintenance. The indoor unit can be accessed from three directions: from the top, bottom and the side, making maintenance simpler than ever.



Accessible from top



Accessible from bottom



Accessible from side



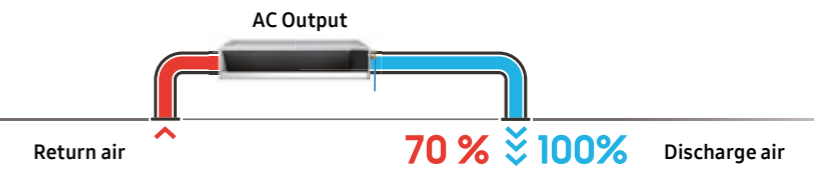
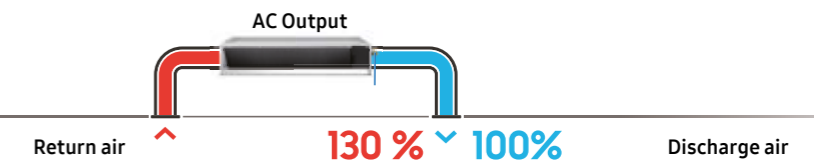
Indoor discharge temperature

Each ducted indoor unit offers great 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.



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.

Hydrophilic Layer
Acrylic Resin

Anti-corrosive Layer
Epoxy Acrylic

Raw Aluminum Material

PE Powder Coating

Galvanized Iron Steel Plate

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.

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.



Elevated Base Design with a Base Heater

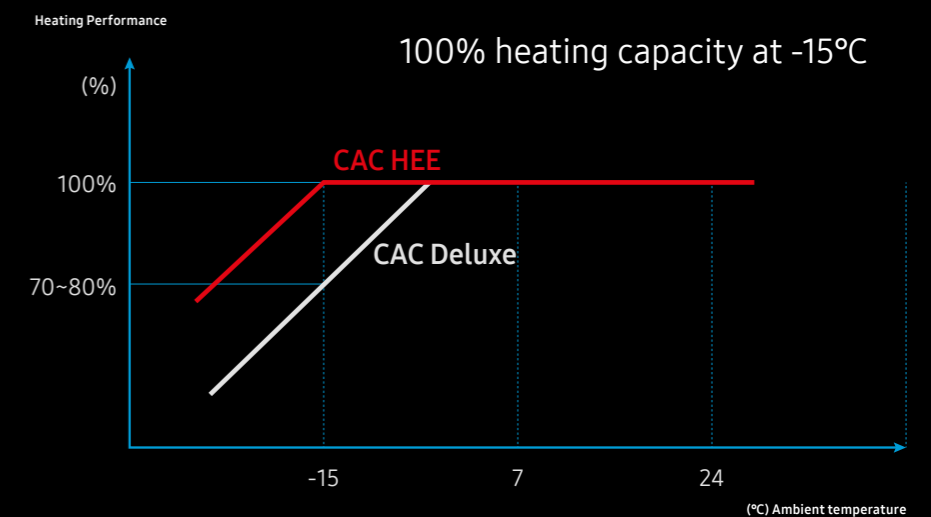
In heating mode, when operating in cold weather (-25°C or below) the defrost cycle is used to remove ice from the heat exchanger. The base heater will melt ice therefore preventing the outdoor unit from ice build-up. The CAC HEE range has an elevated base design with deepened and slanted gutters, so 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.

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



Multi-unit operation

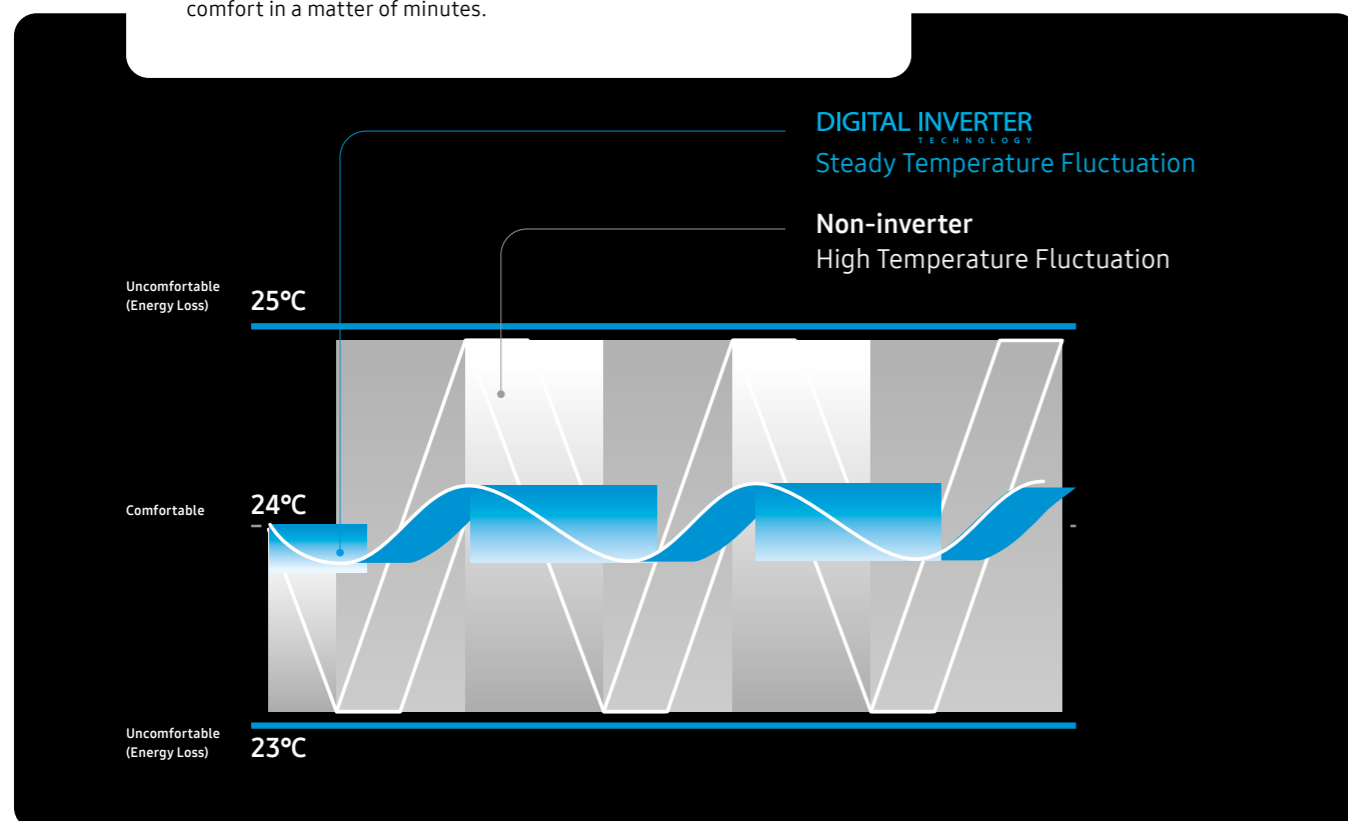
Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled

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.



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.

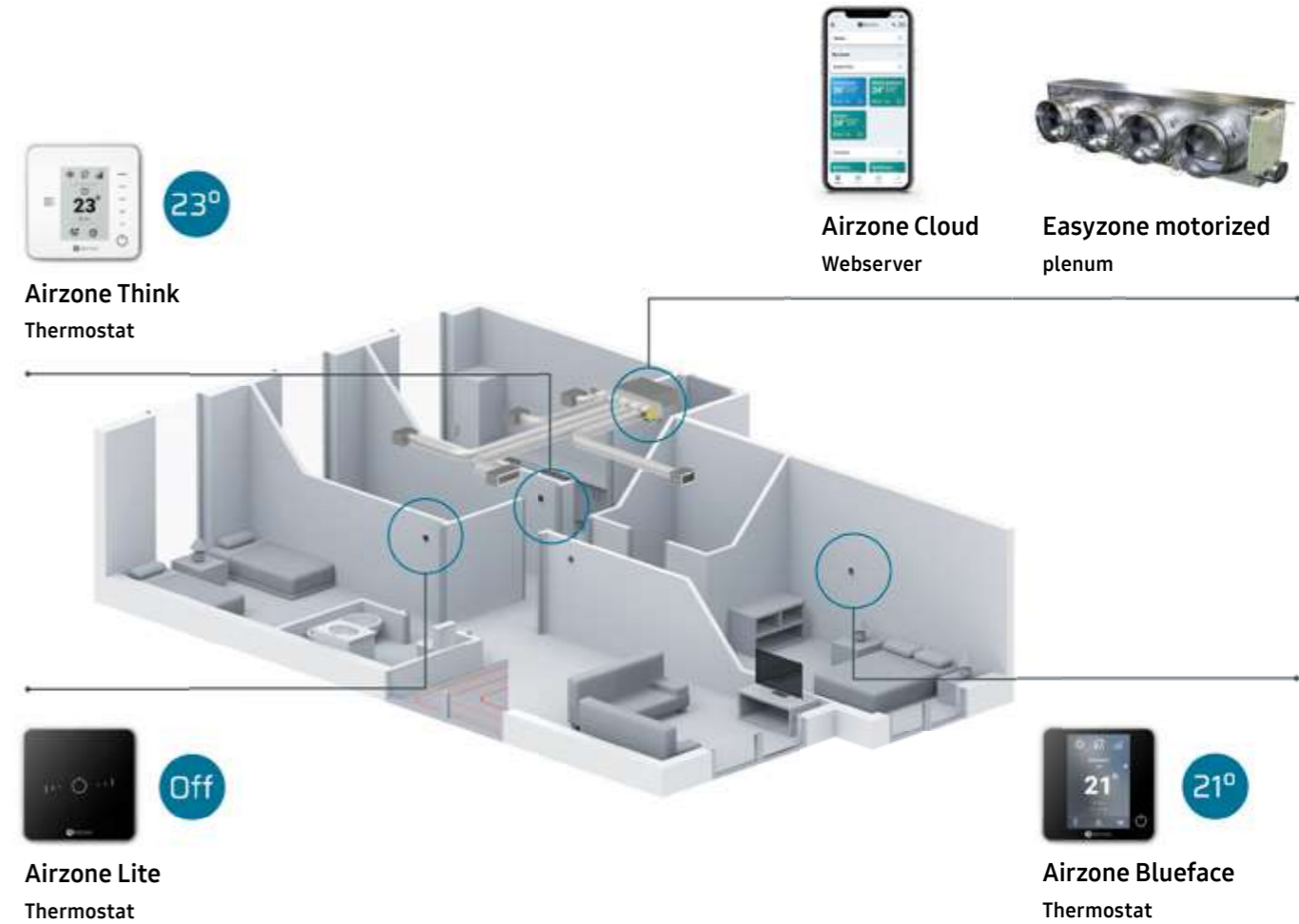
Unlike other third party solutions, Airzone uses Samsung's communication protocol to control the needed airflow. If there is no demand, the indoor unit is stopped. This avoids unwanted operation; therefore increases the energy efficiency of the system.

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	AZEZ8SAMSLO3S3	AZEZ8SAMSLO4M4	AZEZ8SAMSLO4M5		
AJ035TNLPEG/EU	LSP Duct 3.5kW	700×199×440	AZEZ8SAMSLO3S3	AZEZ8SAMSLO4M4	AZEZ8SAMSLO4M5		
AJ052BNMDEG/EU	MSP Duct 5.2kW	900×199×440	AZEZ8SAMB504S3	AZEZ8SAMB504S3			
AC026BNLDKG/EU	LSP Duct 2.6kW	700×199×600	AZEZ8SAMB504S3	AZEZ8SAMSLO7M4			
AC035BNLDKG/EU	LSP Duct 3.5kW	700×199×600	AZEZ8SAMB504S3	AZEZ8SAMSLO7M4			
AC052BNLDKG/EU	LSP Duct 5.2kW	1100×200×450		AZEZ8SAMB504M4	AZEZ8SAMSLO7L5		
AC071BNLDKG/EU	LSP Duct 7.1kW	1100×200×450		AZEZ8SAMB504M4	AZEZ8SAMSLO7L5		
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

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.

Built-in check valve¹

A check valve 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.

¹ Based on models AM***KNLDEH/EU, AM***MNLD*H/EU


Not all features are available for all models.



Single and Multi Split


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 (LOT 10) 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 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 (LOT 10) label classification 2019, on a scale from D to A+++.

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)



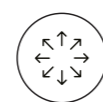
360 Cassette



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

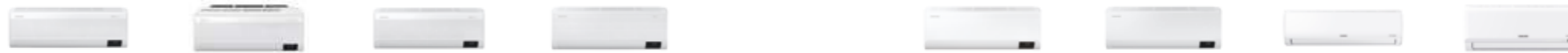
Model	Indoor Unit	Outdoor unit (2.5 kW & 3.5 kW)	2.5 kW	3.5 kW	Outdoor unit (5.2 kW & 6.8 kW)	5.2 kW	6.8 kW
WindFree™ Elite			•	•			
WindFree™ Pure 1.0			•	•			
WindFree™ Avant			•	•		•	•
WindFree™ Comfort			•	•		•	•
Cebu			•	•		•	•
Luzon			•	•		•	•
AR35			•	•		•	•
AR30			•	•			

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



Selection guide





WindFree™ Range



Model		WindFree™ Elite	WindFree™ Pure 1.0	WindFree™ Avant	WindFree™ Comfort	Cebu	Luzon	AR35	AR30
Energy Efficiency	Energy Label (SEER/SCOP) ¹	A+++ A+++	A++ A++	A++ A++	A++ A+	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	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	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	3/3	3/3
	Auto Fan Speed	●	●	●	●	●	●	●	●
Air Purification	PM1.0 Filter	-	●	-	-	-	-	-	-
	PM10 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	●	●	●	●	-	-	-	-
	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 (LOT 10) 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.

Selection guide

		Nordic Range				
						
Model		Nordic WindFree™ Geo	Nordic Geo Premium	Nordic Geo	Nordic Airise	
Energy Efficiency	Energy Label (SEER/SCOP) ¹	A+++	A+++	A++	A+	
Certification	Eurovent	●	●	●	●	
Airflow	WindFree™ Cooling	●	●	-	-	
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Manual	
	Airflow Control Step (Cool/Fan)	5/4	5/4	5/4	5/4	
Air Purification	Auto Fan Speed	●	●	●	●	
	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	●	●	●	
		LED	●	●	●	
	Beep On/Off		●	●	●	
	24-Hour Timer/Real Timer	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	
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 (LOT 10) 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

AR	12	T	X	E	A	A	WK	N	EU
1	2	3	4	5	6	7	8	9	

1	Classification	AR	Single Split (RAC)
2	Capacity		x 1,000 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 Wind Free™ 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	m ³ /min	11.1	12.1
	Outdoor Unit	m ³ /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 (LOT 10) 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	

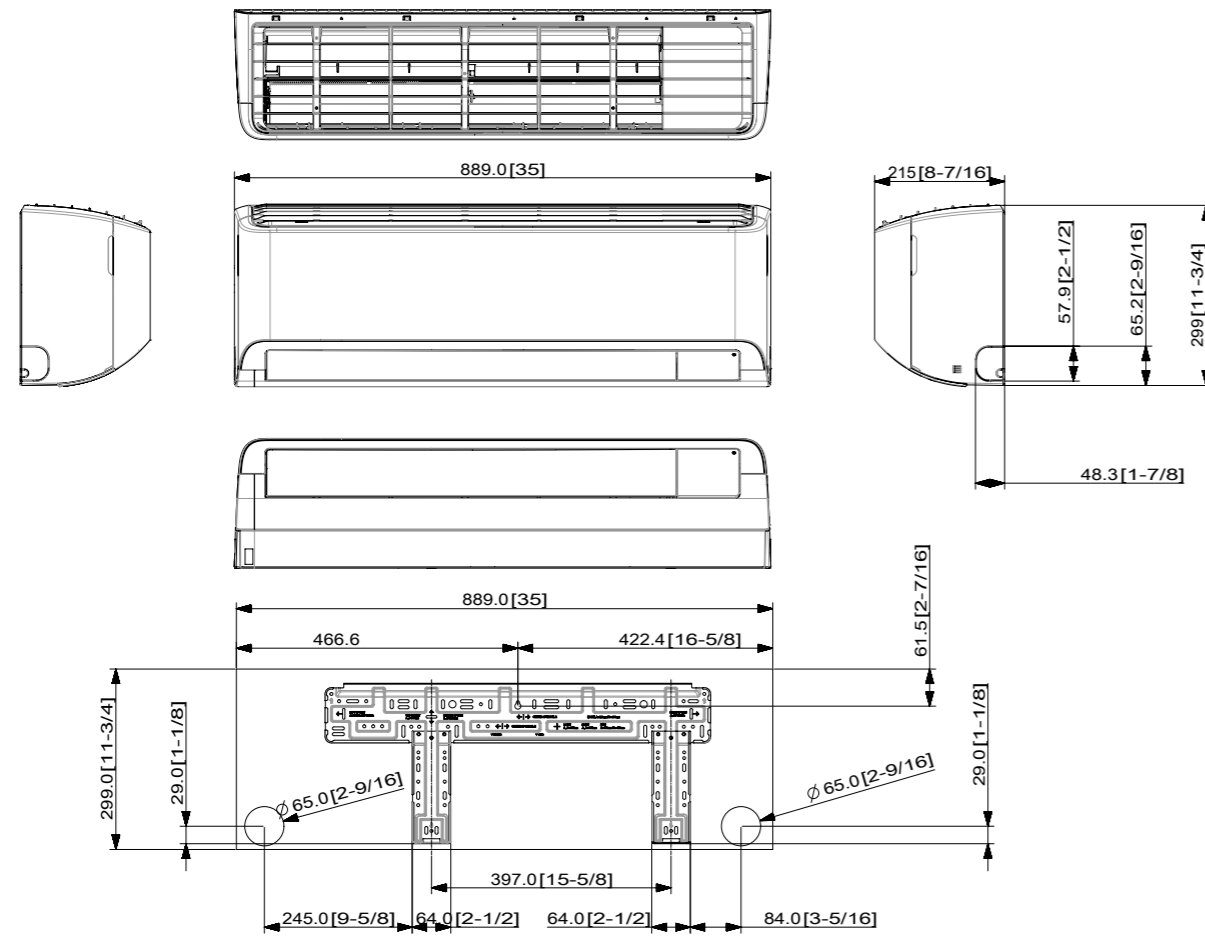
³ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

WindFree™ Elite - Indoor

AR09/12CXCAAWKXEU

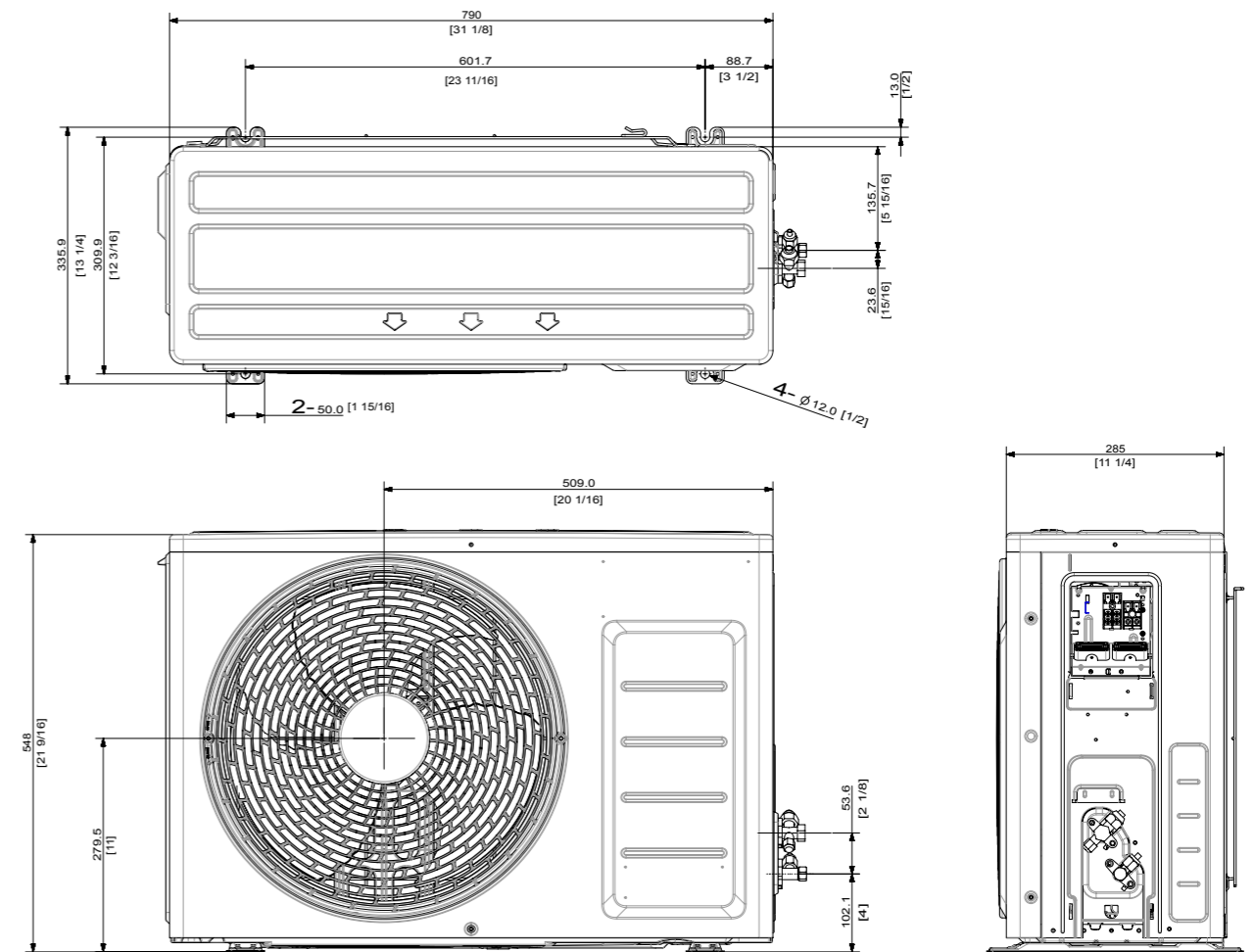
Units: mm [inches]



WindFree™ Elite - Outdoor

AR09/12TXCAAWKXEU

Units: mm [inches]



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	ART2CXKAAWKNEU
		Outdoor Unit	AR09AXKAAWKXEU	ART2AXKAAWKXEU
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/ A++	7.2/ A++
	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/ A++	4.6/ A++
	Power Consumption	kWh/a	700	730
	Pdesignh (average)	kW	2.3	2.4
	CDP ¹	W/W	3.95	3.71
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m ³ /min	11.7	12.1
	Outdoor Unit	m ³ /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



		Indoor Unit	AR09CXKAAWKNEU	ART2CXKAAWKNEU
		Outdoor Unit	AR09AXKAAWKXEU	ART2AXKAAWKXEU
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
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 Controller¹

Simple Type Controller¹

Touch Controller¹

MWR-WG00JN/MWR-WG00KN

MWR-SH00N

MWR-SH11N

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.
Limited quantity, availability for the full year can not be guaranteed.

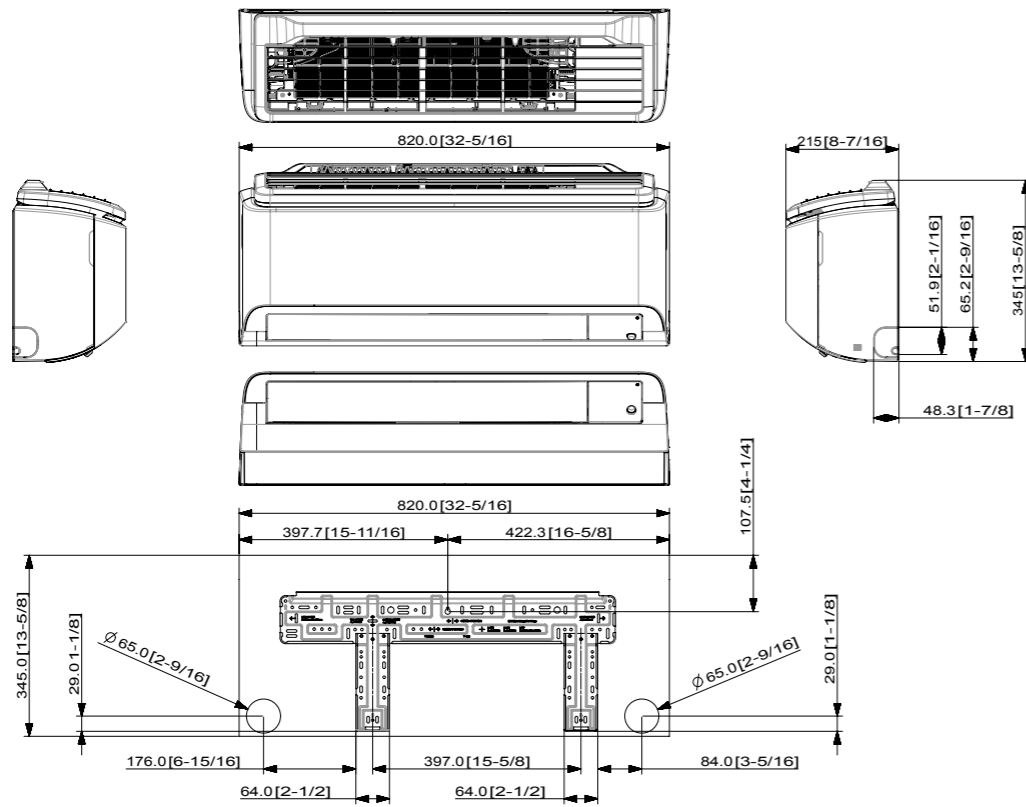
¹ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

WindFree™ Pure 1.0 - Indoor

AR09/12CXKAAWKNEU

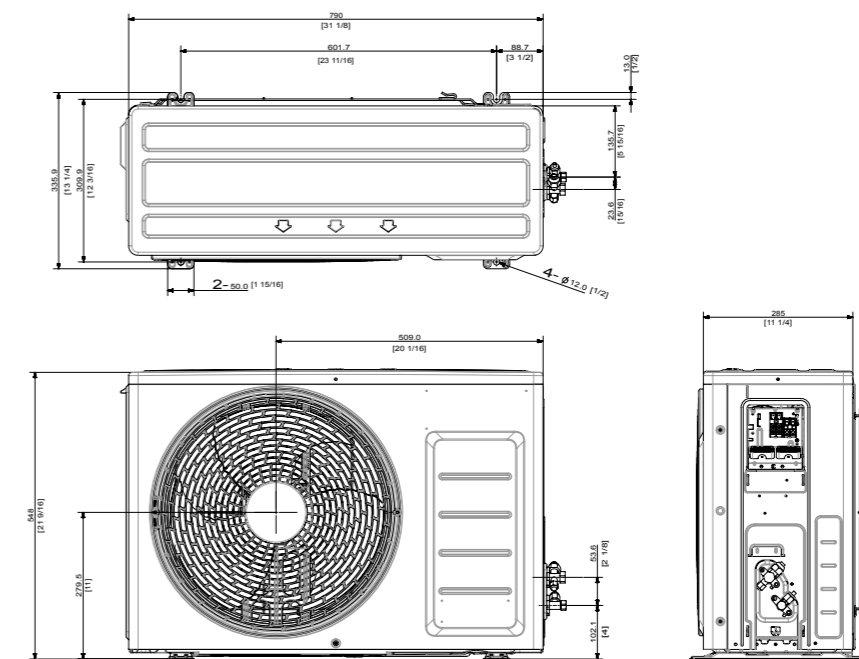
Units: mm [inches]



WindFree™ Pure 1.0 - Outdoor

AR09/12AXKAAWKXEU

Units: mm [inches]



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, fin and controller from power surges.
- Compatible with wired remote controller and with centralized controller².



			Indoor Unit	AR09T	AR12T	AR18T	AR24T
			Outdoor Unit	AR09T	AR12T	AR18T	AR24T
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	m ³ /min		9.5	10.5	15.7	17.6
	Outdoor Unit	m ³ /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



			Indoor Unit	AR09T	AR12T	AR18T	AR24T
			Outdoor Unit	AR09T	AR12T	AR18T	AR24T
Refrigerant							
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)				
Refrigerant	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
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 Controller ³	Simple Type Controller ³	Touch Controller ³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) 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.

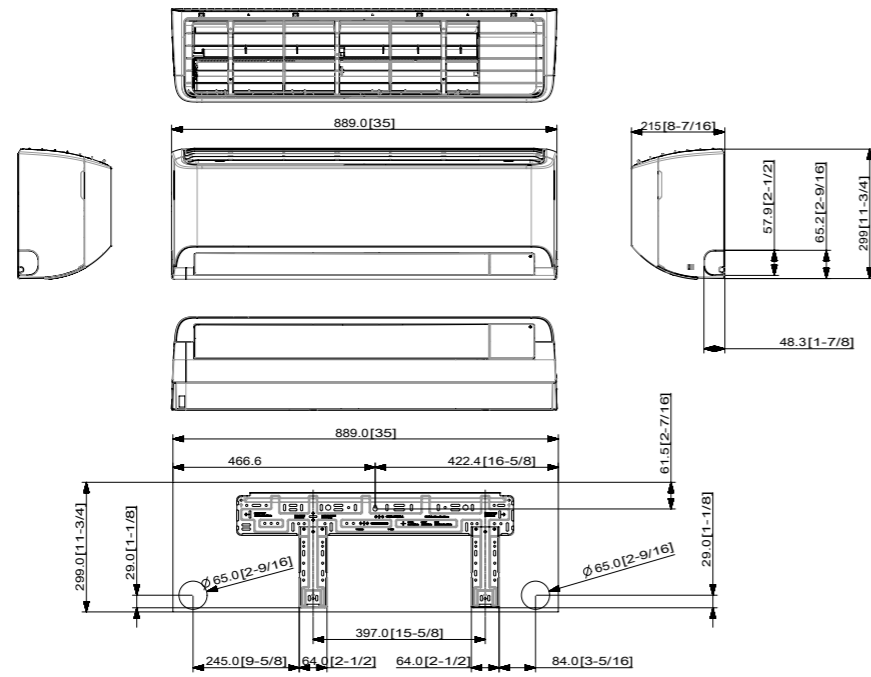
³ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

WindFree™ Avant - Indoor

AR09/12TXEAAWKNEU

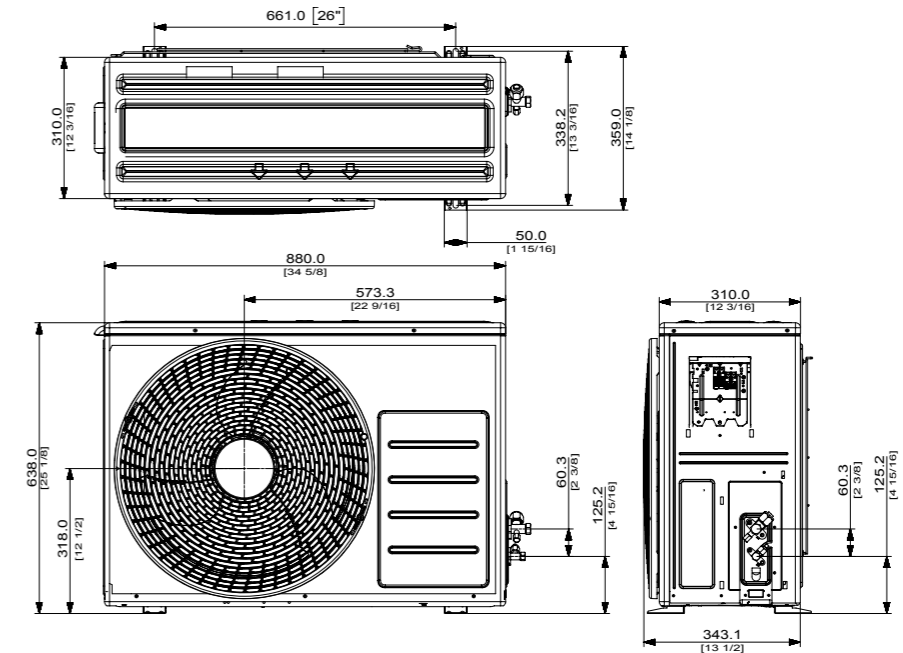
Units: mm [inches]



WindFree™ Avant - Outdoor

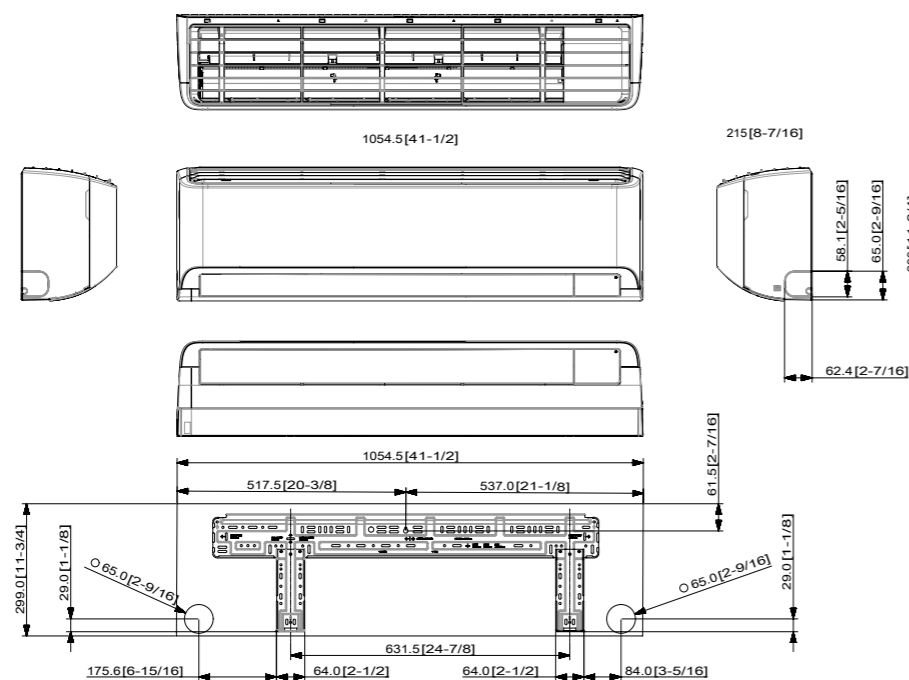
AR18/24TXEAAWKXEU

Units: mm [inches]



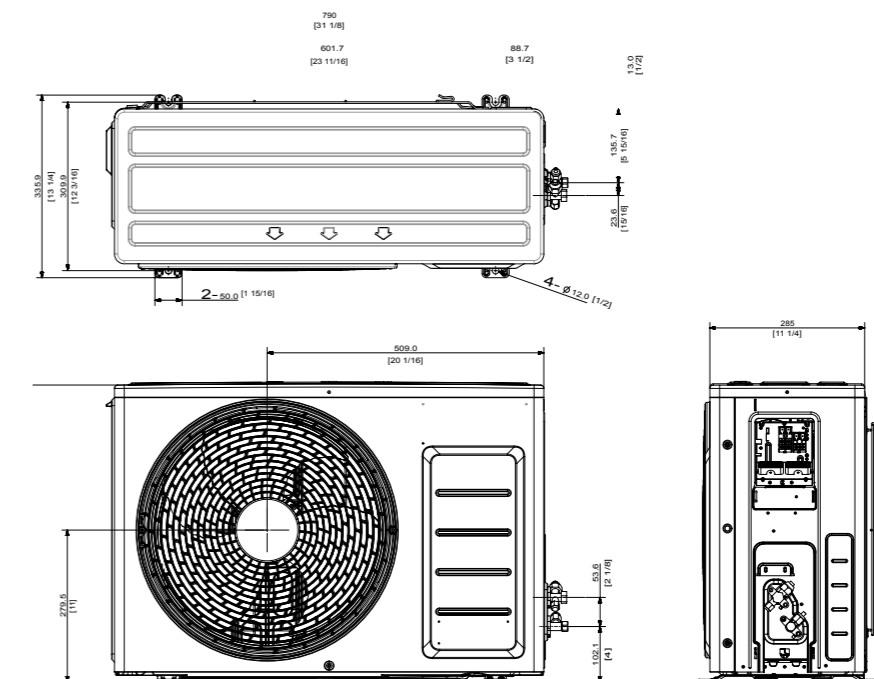
AR18/24TXEAAWKNEU

Units: mm [inches]



AR18/24TXEAAWKXEU

Units: mm [inches]



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, fin and controller from power surges.
- Compatible with wired remote controller. The centralized controller is only compatible with bigger capacity ODU².



		Indoor Unit	AR09TXFCWAKNEU	AR12TXFCWAKNEU	AR18TXFCWAKNEU	AR24TXFCWAKNEU
		Outdoor Unit	AR09TXFCWAKXEU	AR12TXFCWAKXEU	AR18TXFCWAKXEU	AR24TXFCWAKXEU
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	3.8/ 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	m ³ /min	10.3	10.7	16.6	17.3
	Outdoor Unit	m ³ /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

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

² The centralized controller is only compatible with specific bigger capacity ODU i.e. AR18TXFCWAKXEU and AR24TXFCWAKXEU. 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	AR09TXFCWAKNEU	AR12TXFCWAKNEU	AR18TXFCWAKNEU	AR24TXFCWAKNEU
		Outdoor Unit	AR09TXFCWAKXEU	AR12TXFCWAKXEU	AR18TXFCWAKXEU	AR24TXFCWAKXEU
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
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		●	●	●	●
Other Functions	Dehumidification		●	●	●	●
	Fan		●	●	●	●
	Quiet		●	●	●	●
	Samsung SmartThings		●	●	●	●
Other Functions	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

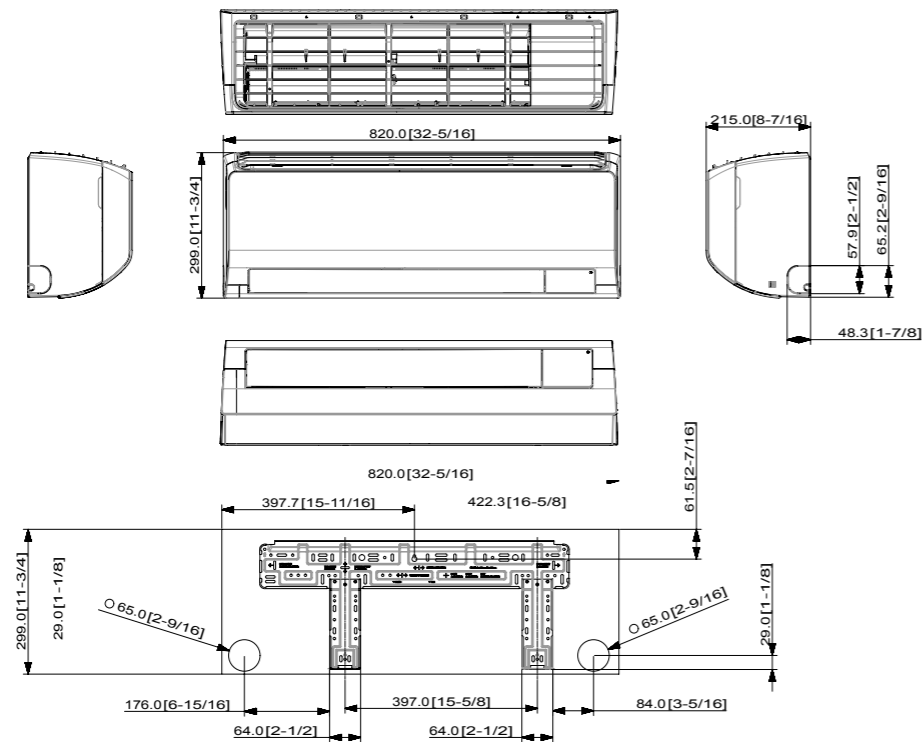
³ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

WindFree™ Comfort - Indoor

AR09/12TXFCWKXEU

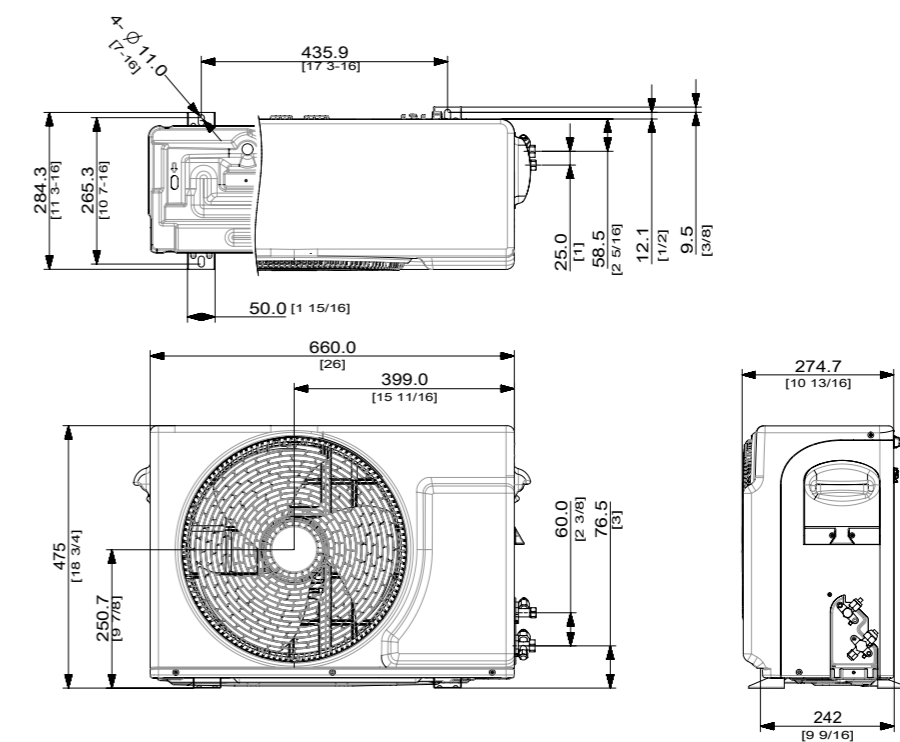
Units: mm [inches]



WindFree™ Comfort - Outdoor

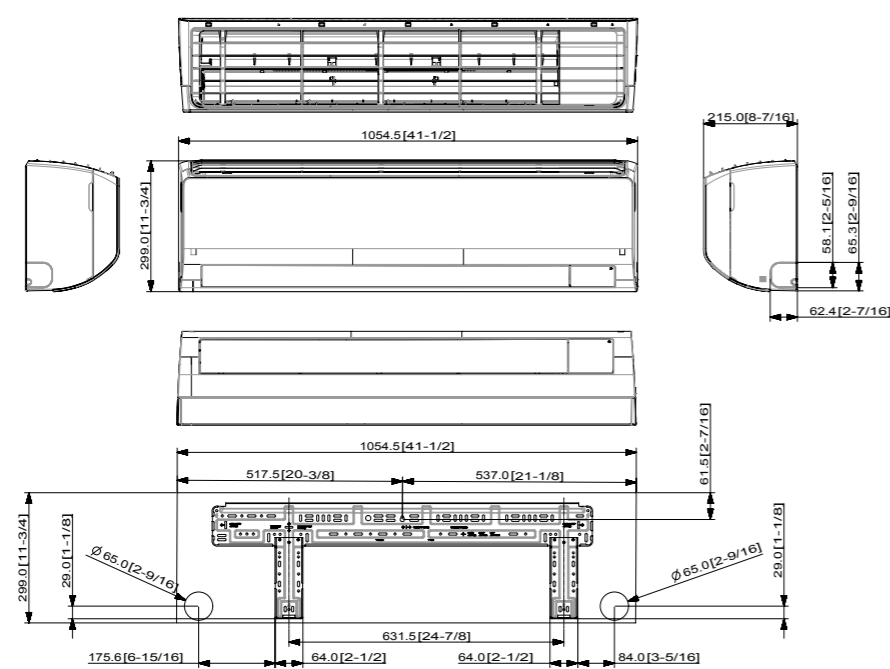
AR09/12TXFCWKXEU

Units: mm [inches]



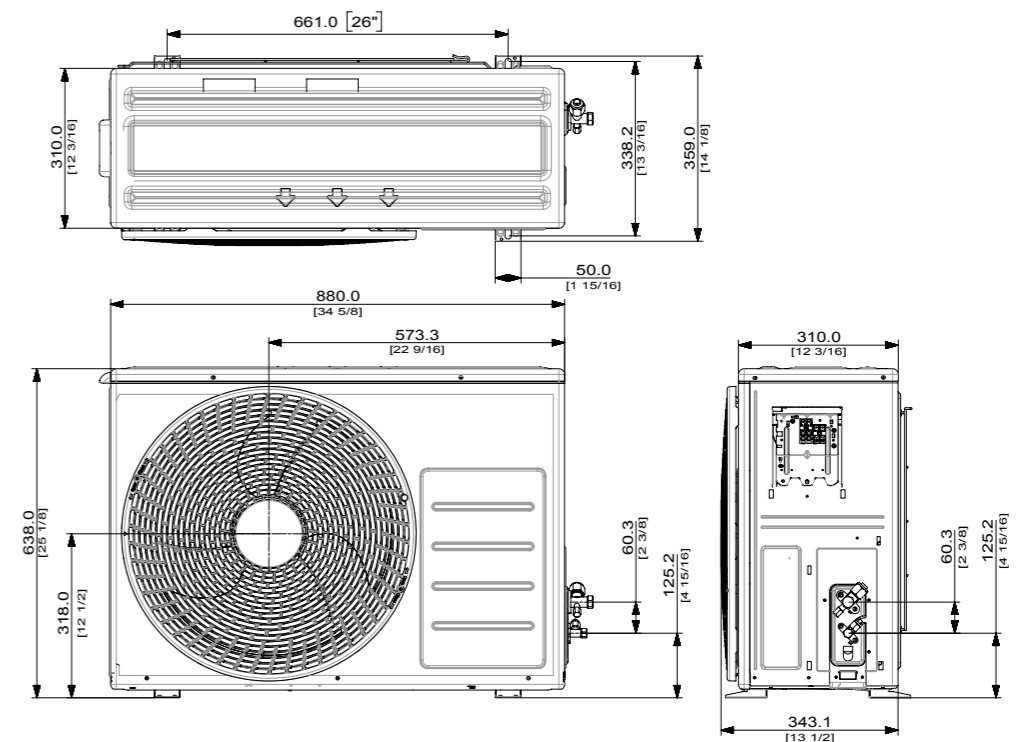
AR18/24TXFCWKXEU

Units: mm [inches]



AR18/24TXFCWKXEU

Units: mm [inches]



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, fin 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	m ³ /min		10.5	10.9	16.5	17.2
	Outdoor Unit	m ³ /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			10, 220-240 V, 50 Hz	10, 220-240 V, 50 Hz	10, 220-240 V, 50 Hz	10, 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



			Indoor Unit	AR09TXFYAWKNEU	AR12TXFYAWKNEU	AR18TXFYAWKNEU	AR24TXFYAWKNEU
			Outdoor Unit	AR09TXFYAWKXEU	AR12TXFYAWKXEU	AR18TXFYAWKXEU	AR24TXFYAWKXEU
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
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 Controller ³	Simple Type Controller ³	Touch Controller ³
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) 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).

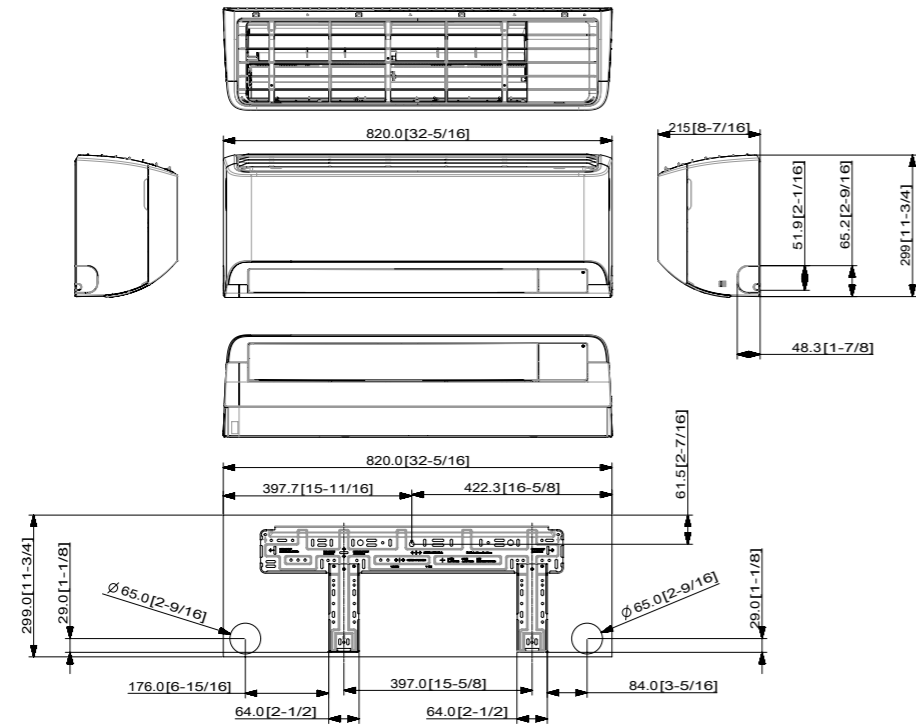
³ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

Cebu - Indoor

AR09/12TXFYAWKNEU

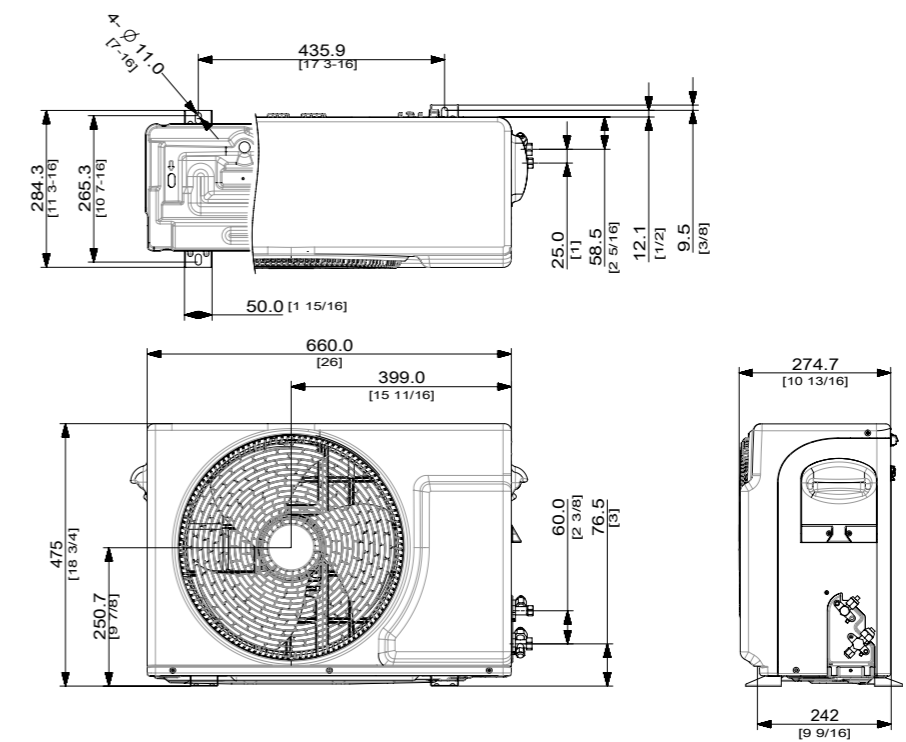
Units: mm [inches]



Cebu - Outdoor

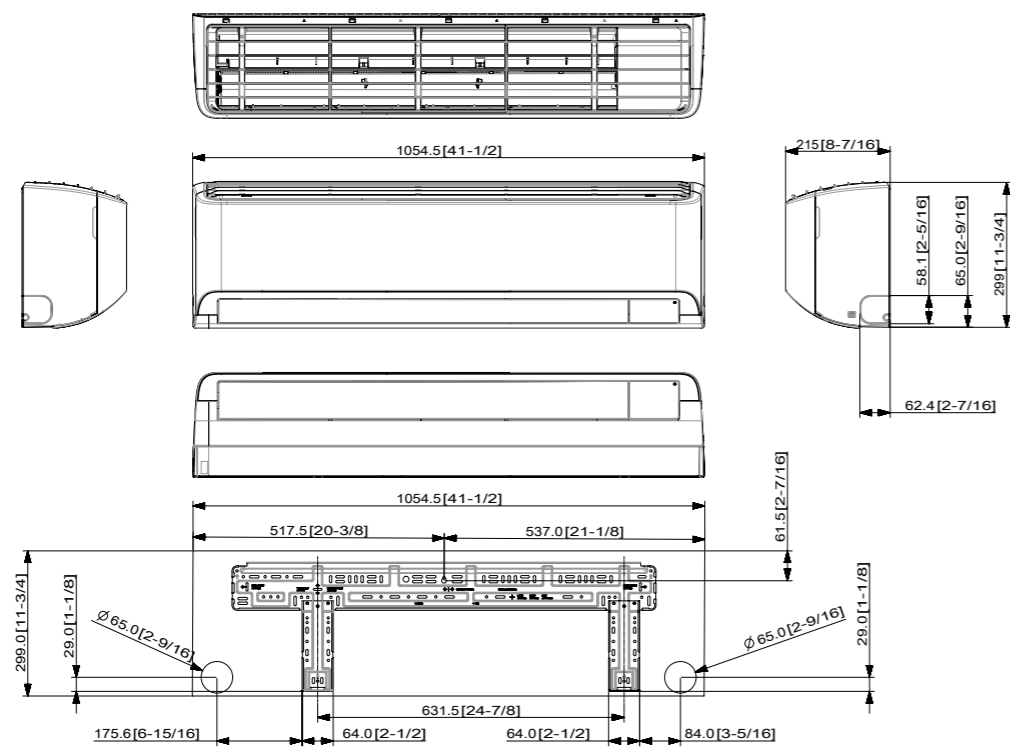
AR09/12TXFYAWKXEU

Units: mm [inches]



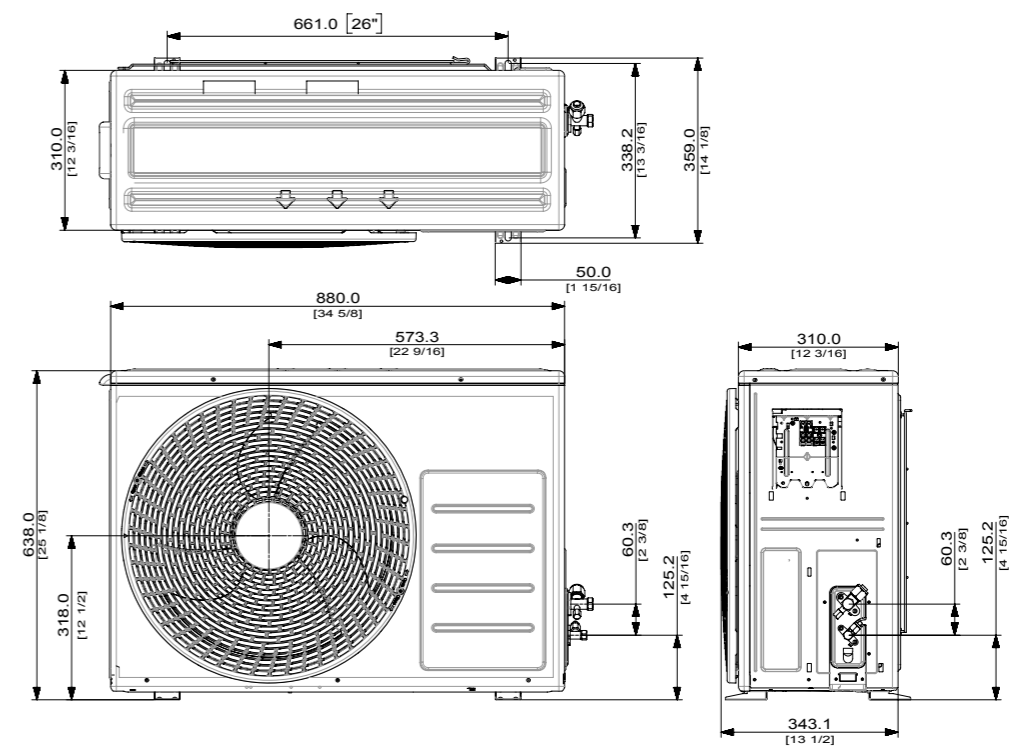
AR18/24TXFYAWKNEU

Units: mm [inches]



AR18/24TXFYAWKXEU

Units: mm [inches]



Specifications

Luzon R32

- Compressor with Digital Inverter Boost technology.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Direct drive fan powered by a BLDC motor.
- 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			AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
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			AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
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	m ³ /min	10.5	10.9	16.5	17.2
	Outdoor Unit	m ³ /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			AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
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			AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
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



	Indoor Unit	AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
	Outdoor Unit	AR09TXHZAWKXEU	AR12TXHZAWKXEU	AR18TXHZAWKXEU	AR24TXHZAWKXEU

Refrigerant			AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
Refrigerant	Type		R32 (contains fluorinated greenhouse gases, GWP = 675)			
Refrigerant	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
Functions			AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
Airflow	WindFree™ Cooling					
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	Manual	Manual	Manual
Air Purification	Auto Fan Speed		●	●	●	●
	Tri-Care Filter		●	●	●	●
	Easy Filter Plus		●	●	●	●
Operating Mode	Auto Clean (Self-Cleaning)		●	●	●	●
	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 Controller ³	Simple Type Controller ³	Touch Controller ³
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) 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).

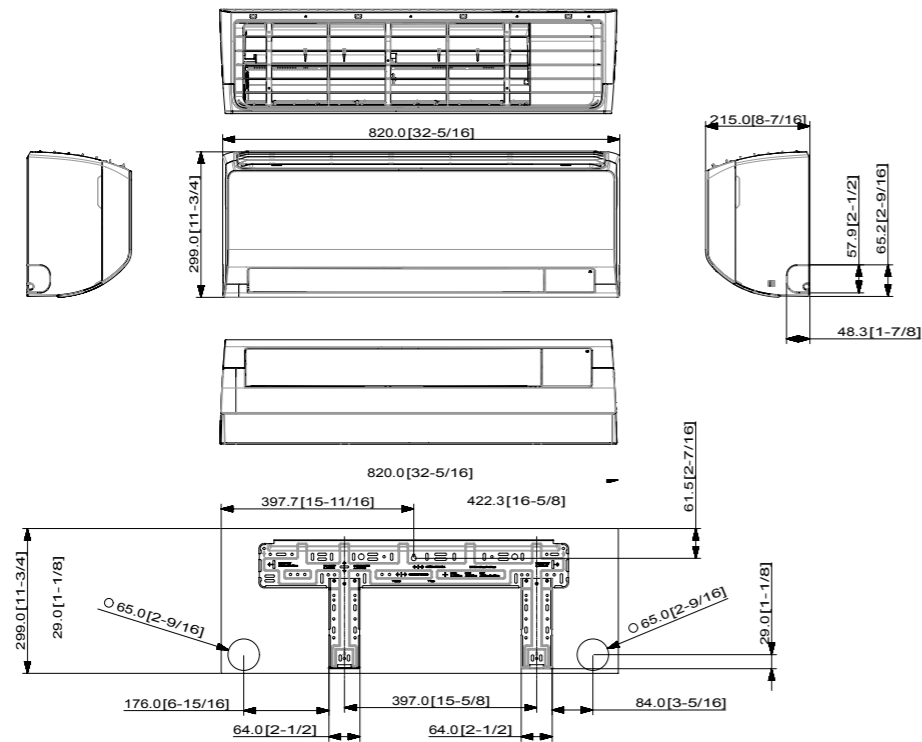
³ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

Luzon - Indoor

AR09/12TXHZAWKXEU

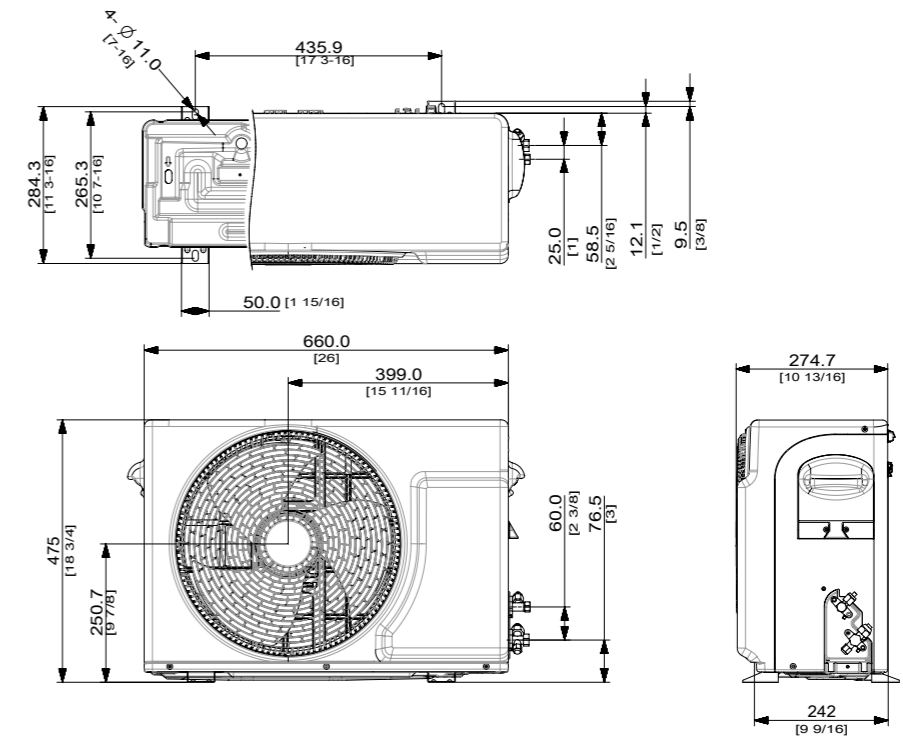
Units: mm [inches]



Luzon - Outdoor

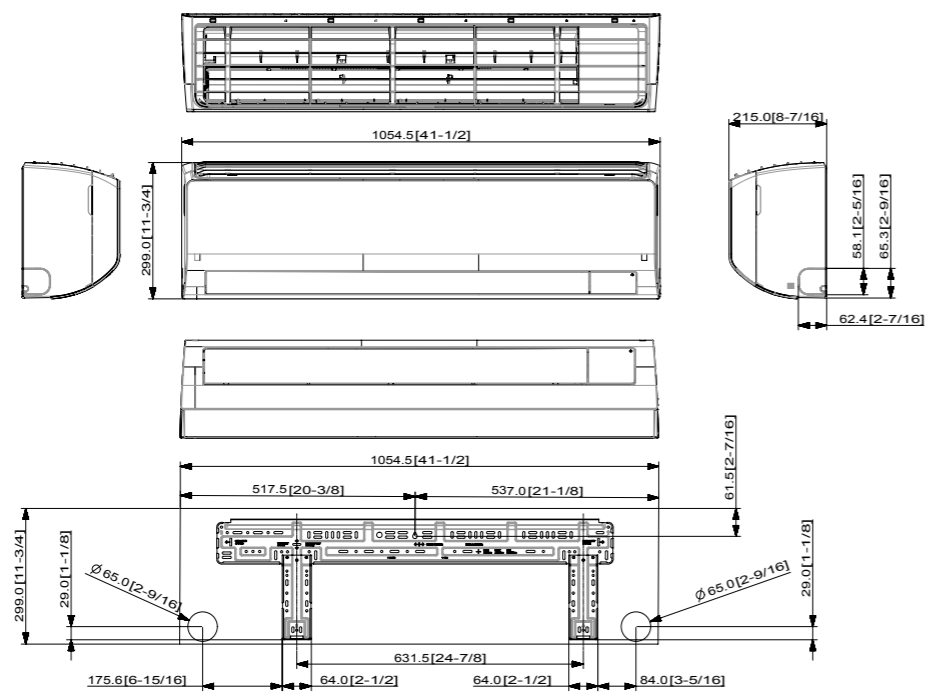
AR09/12TXHZAWKXEU

Units: mm [inches]



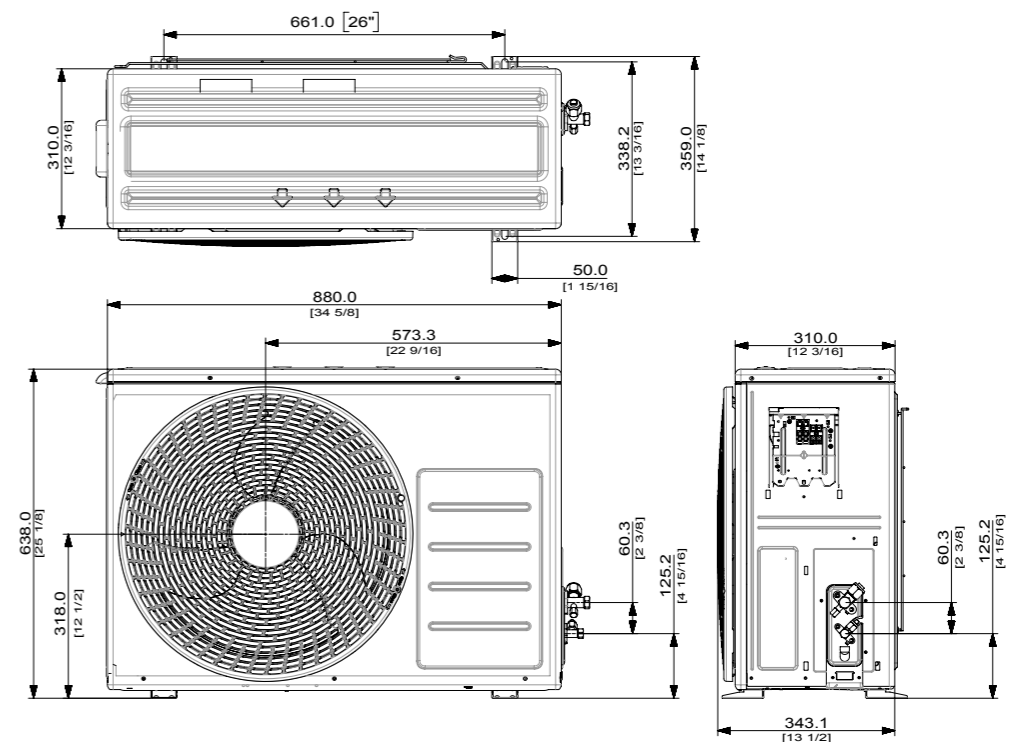
AR18/24TXHZAWKXEU

Units: mm [inches]



AR18/24TXHZAWKXEU

Units: mm [inches]



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 condenser and optimise Heat Exchanger performance.

		AR35				AR30		
		AR09TXHQASINEU	AR12TXHQASINEU	AR18BXHQASINEU	AR24BXHQASINEU	AR09TXHQBWKNEU	AR12TXHQBWKNEU	
		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	261	402	156	211
	Pdesignc	kW	2.8	3.6	5.2	7.0	2.8	3.6
	EER	W/W	3.43	2.90	3.21	2.80	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	1,470	1,687	910	969
	Pdesignh (average)	kW	2.6	2.7	4.2	4.7	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	m ³ /min	7.77	9.00	14.00	16.33	7.77	9.00
	Outdoor Unit	m ³ /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	42/30	43/37	36/20	37/22
	Outdoor Unit High	dB(A)	49	50	51	56	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	
Power Consumption	Cooling	W	770	1,213	1,645	2,510	770	1,213
	Heating	W	750	1,088	1,482	2,442	750	1,088
Operating Current	Cooling	A	3.3	5.3	7.4	11.15	3.3	5.3
	Heating	A	3.2	4.7	6.7	11	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	10.9	13.0	8.1	8.1
	Outdoor Unit	kg	23.2	23.2	32.7	42.9	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	
		AR09TXHQASINEU	AR12TXHQASINEU	AR18BXHQASINEU	AR24BXHQASINEU	AR09TXHQBWKNEU	AR12TXHQBWKNEU
		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	●	●	●	●	●	●
Other Functions	Fan	●	●	●	●	●	●
	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)

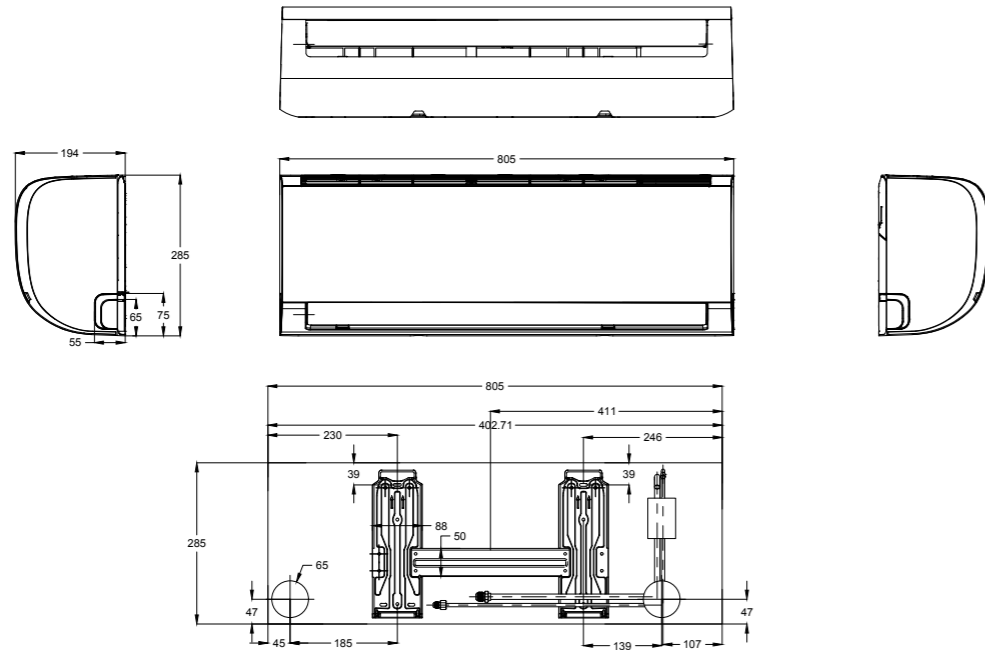
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

AR35 - Indoor

AR09/12TXHQASINEU

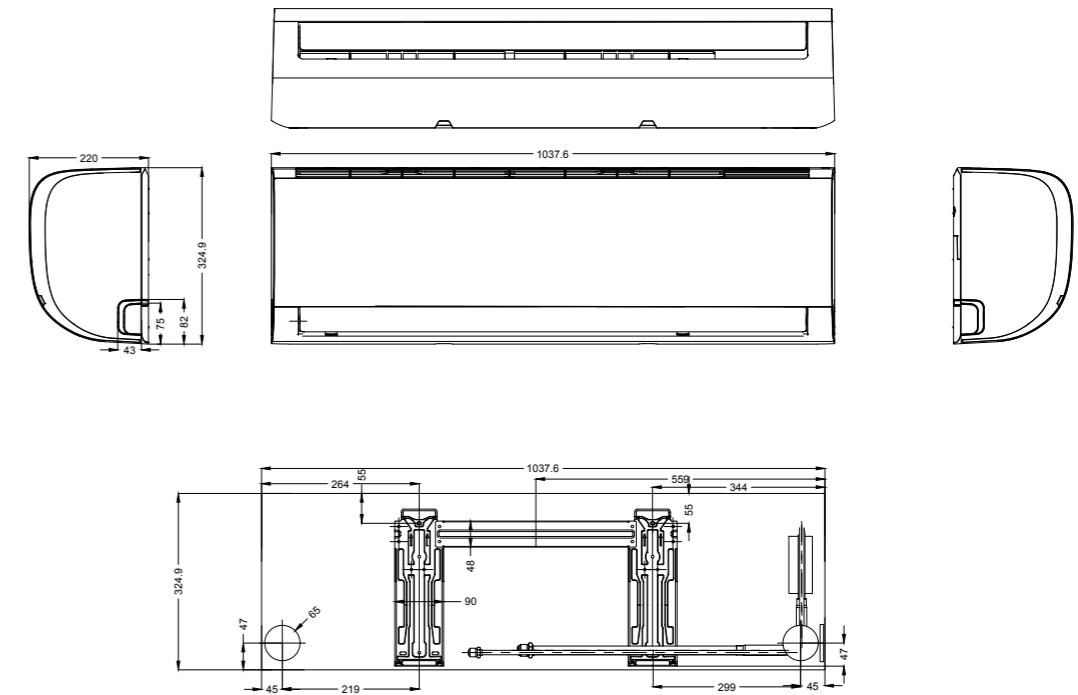
Units: mm [inches]



AR35 and AR30 - Indoor

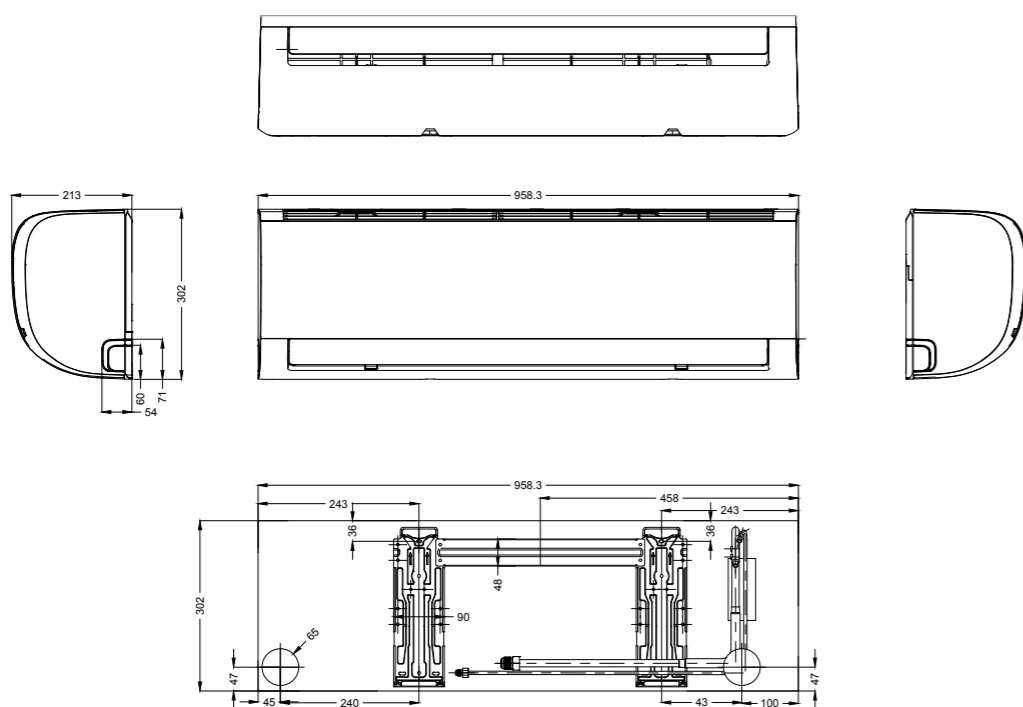
AR24BXHQASINEU

Units: mm [inches]



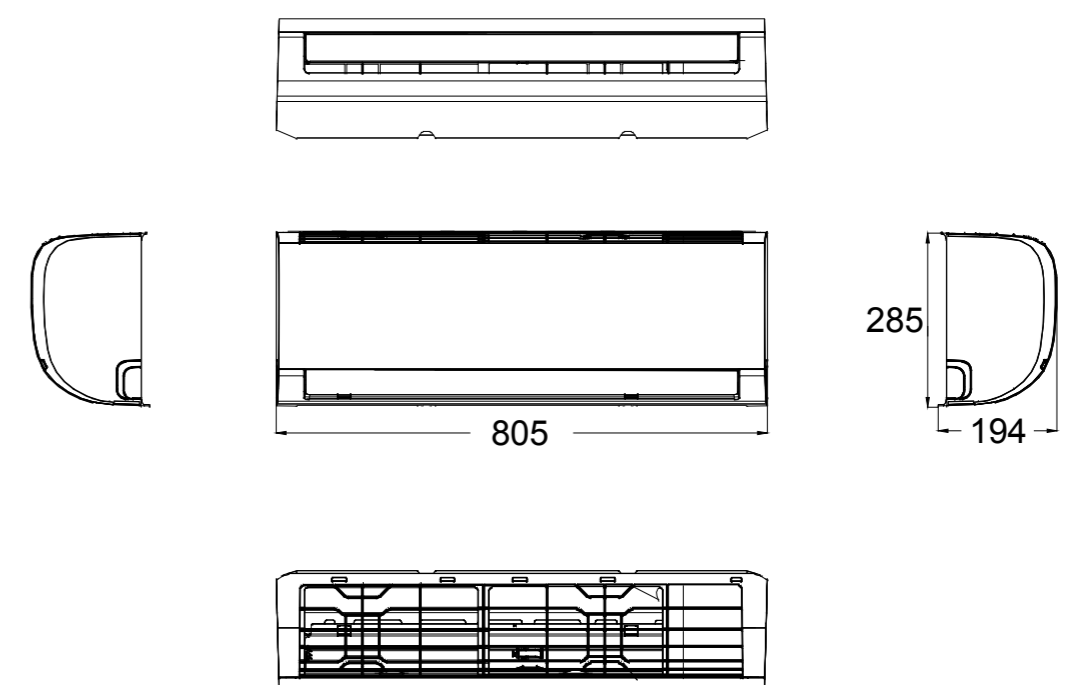
AR18BXHQASINEU

Units: mm [inches]



AR09/12TXHQBWKNEU

Units: mm [inches]

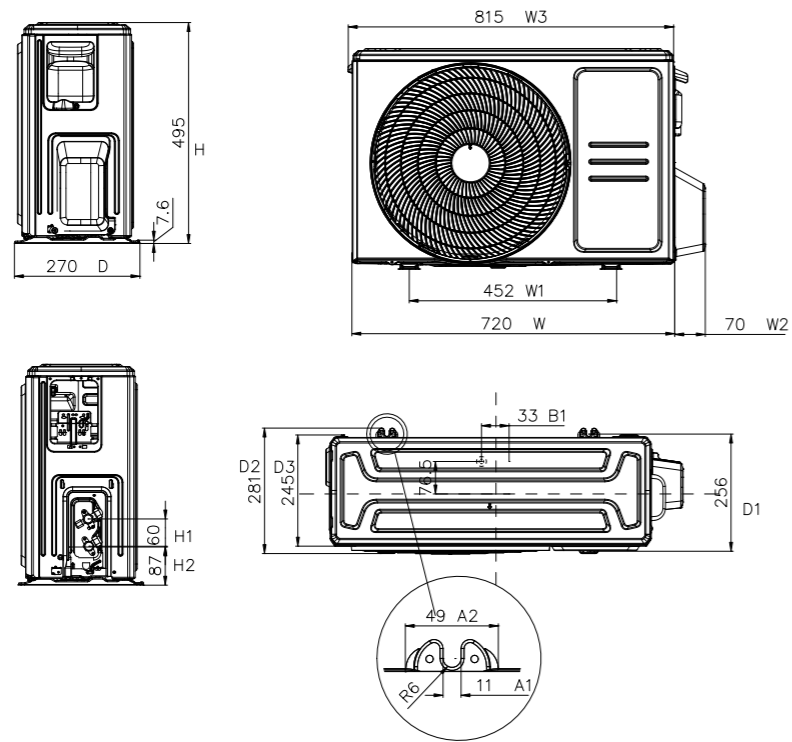


Dimensional drawings

AR35 - Outdoor

AR09/12TXHQASIXEU

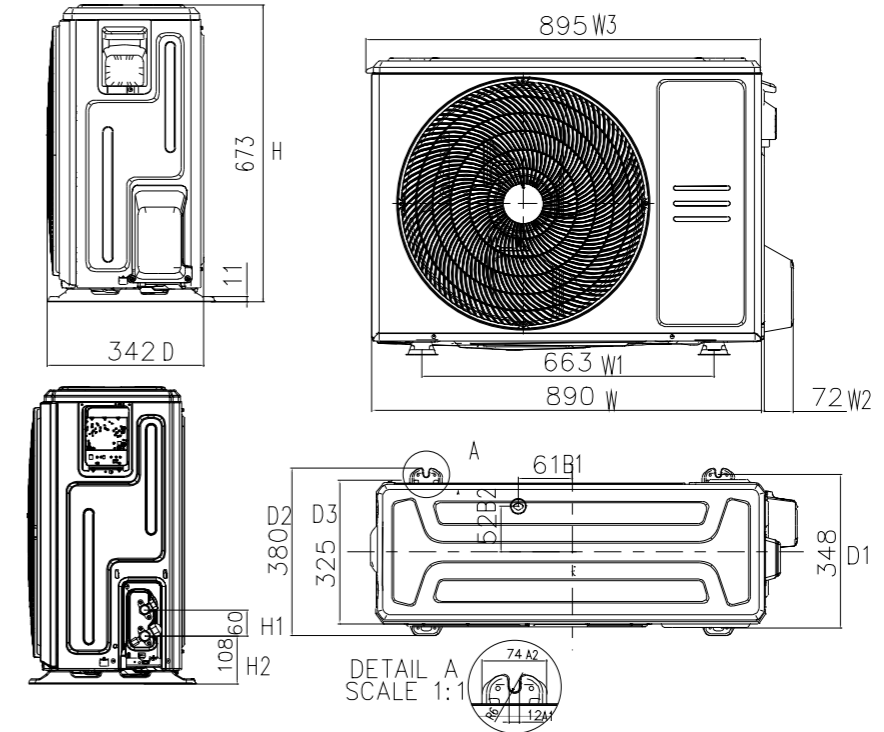
Units: mm [inches]



AR35 and AR30 - Outdoor

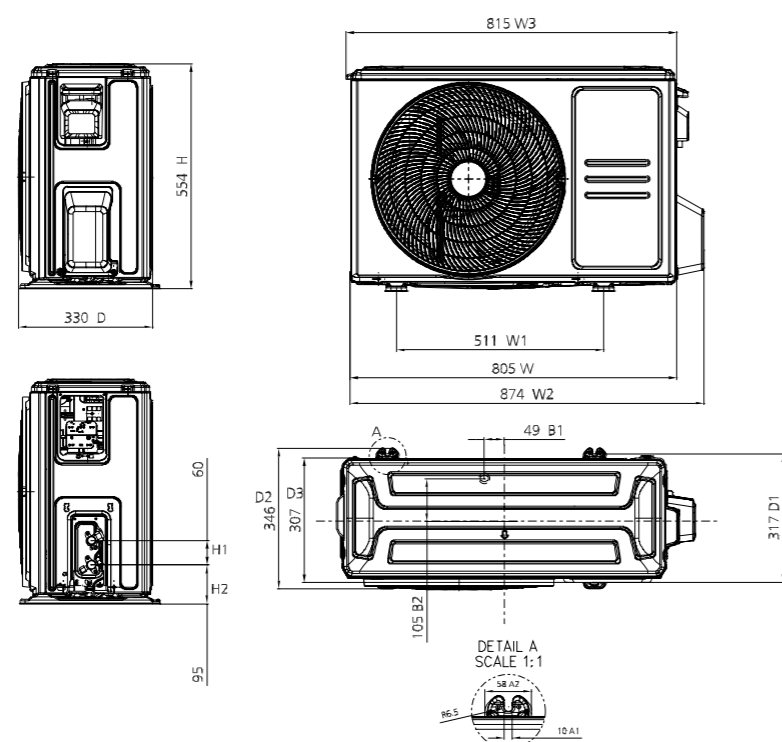
AR24BXHQASIXEU

Units: mm [inches]



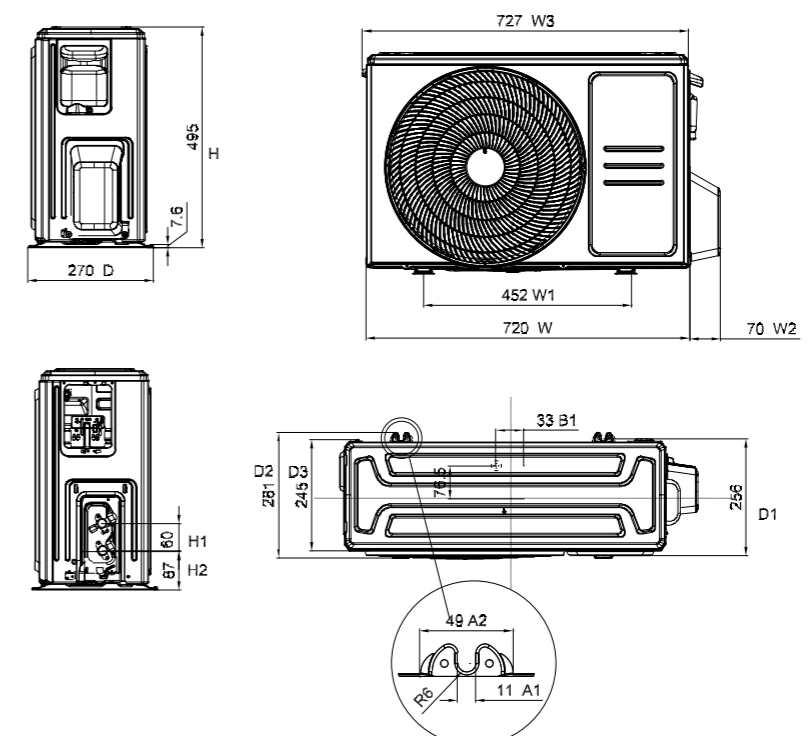
AR18BXHQASIXEU

Units: mm [inches]



AR09/12TXHQBWXXEU

Units: mm [inches]



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	m ³ /min	13.1	13.1
	Outdoor Unit	m ³ /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



		Indoor Unit	AR09TXCACWKNEE	AR12TXCACWKNEE
		Outdoor Unit	AR09TXCACWKXEE	AR12TXCACWKXEE
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
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		●	●
	Other Functions	Samsung SmartThings		●
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 ²	Simple Type Controller ³	Touch Controller ³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

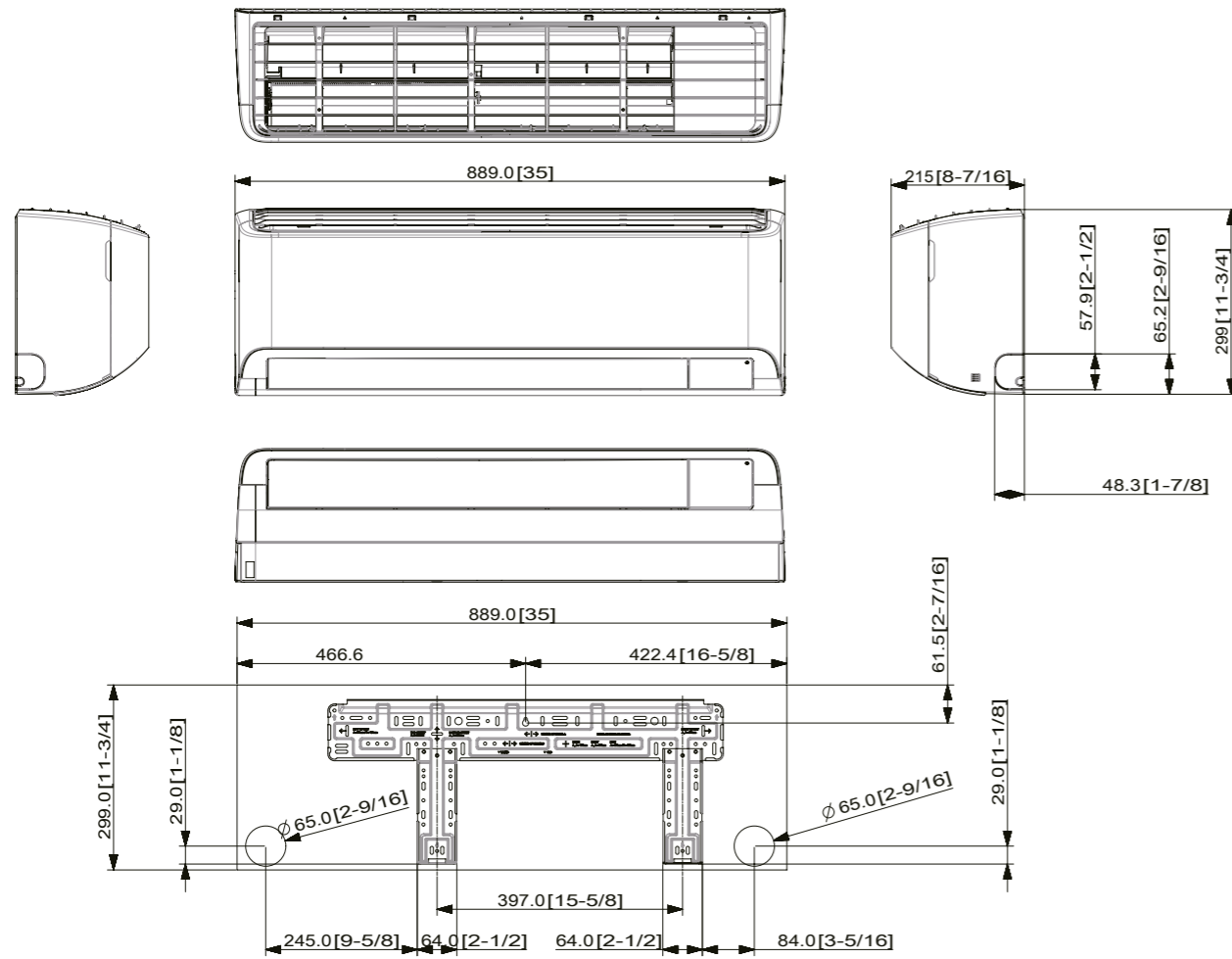
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.
² A MIM-R10N Interface is required to connect the Outdoor Unit (ODU) to the centralized controller.
³ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

Nordic WindFree™ Geo - Indoor

AR09/12XCACWKNEE

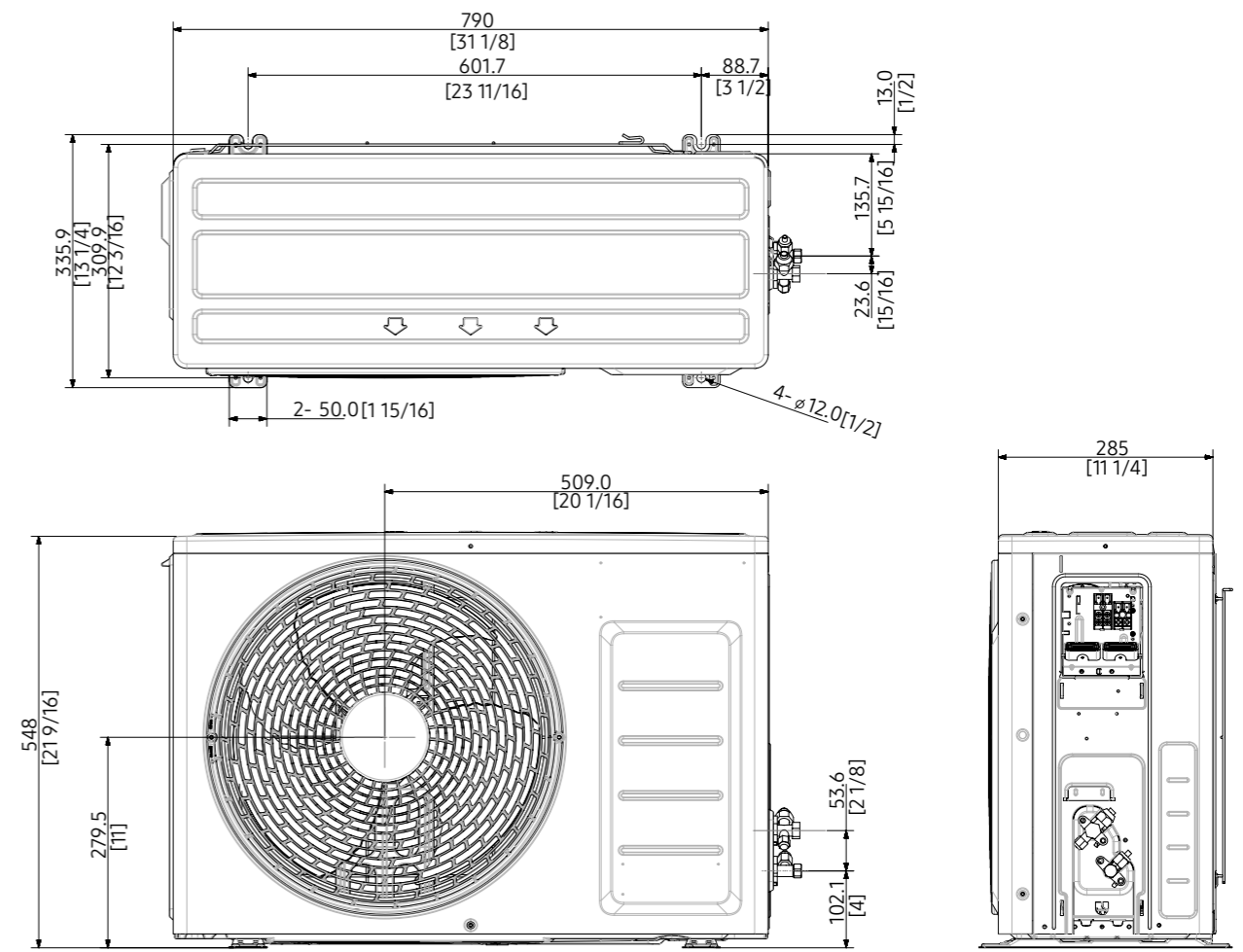
Units: mm [inches]



Nordic WindFree™ Geo - Outdoor

AR09TXCACWKXEE

Units: mm [inches]



Specifications

Nordic Geo Premium

- 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 Bixy 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	m ³ /min	13.1	13.1
	Outdoor Unit	m ³ /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				



		Indoor Unit	AR09BXFYDWKNEE	AR12BXFYDWKNEE
		Outdoor Unit	AR09BXFYDWKXEE	AR12BXFYDWKXEE
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"
	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
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		●	●	
Other Functions	Samsung SmartThings		●	●
	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-SH00N	MWR-SH11N

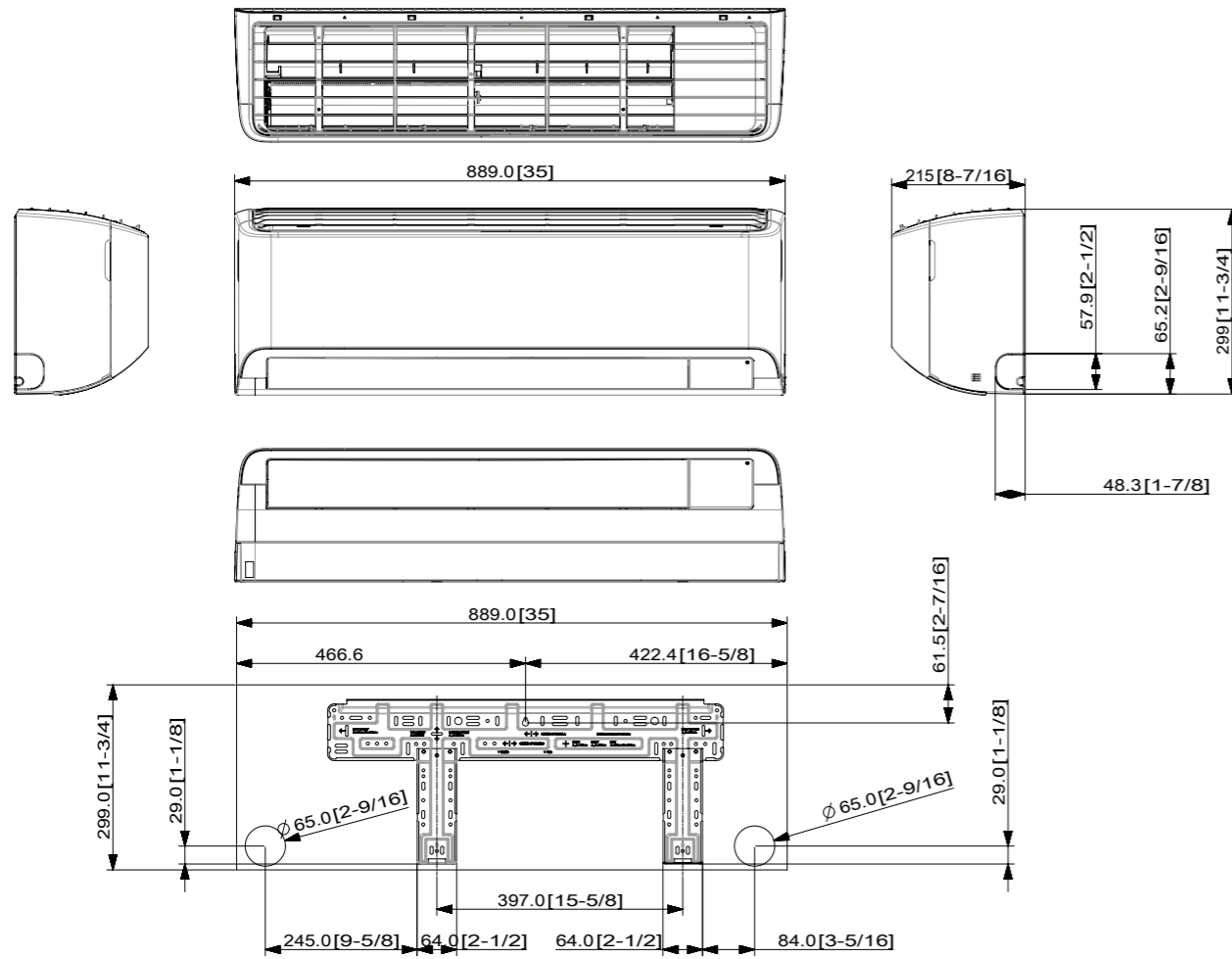
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Nordic Geo Premium - Indoor

AR09/12BXFYDWKNEE

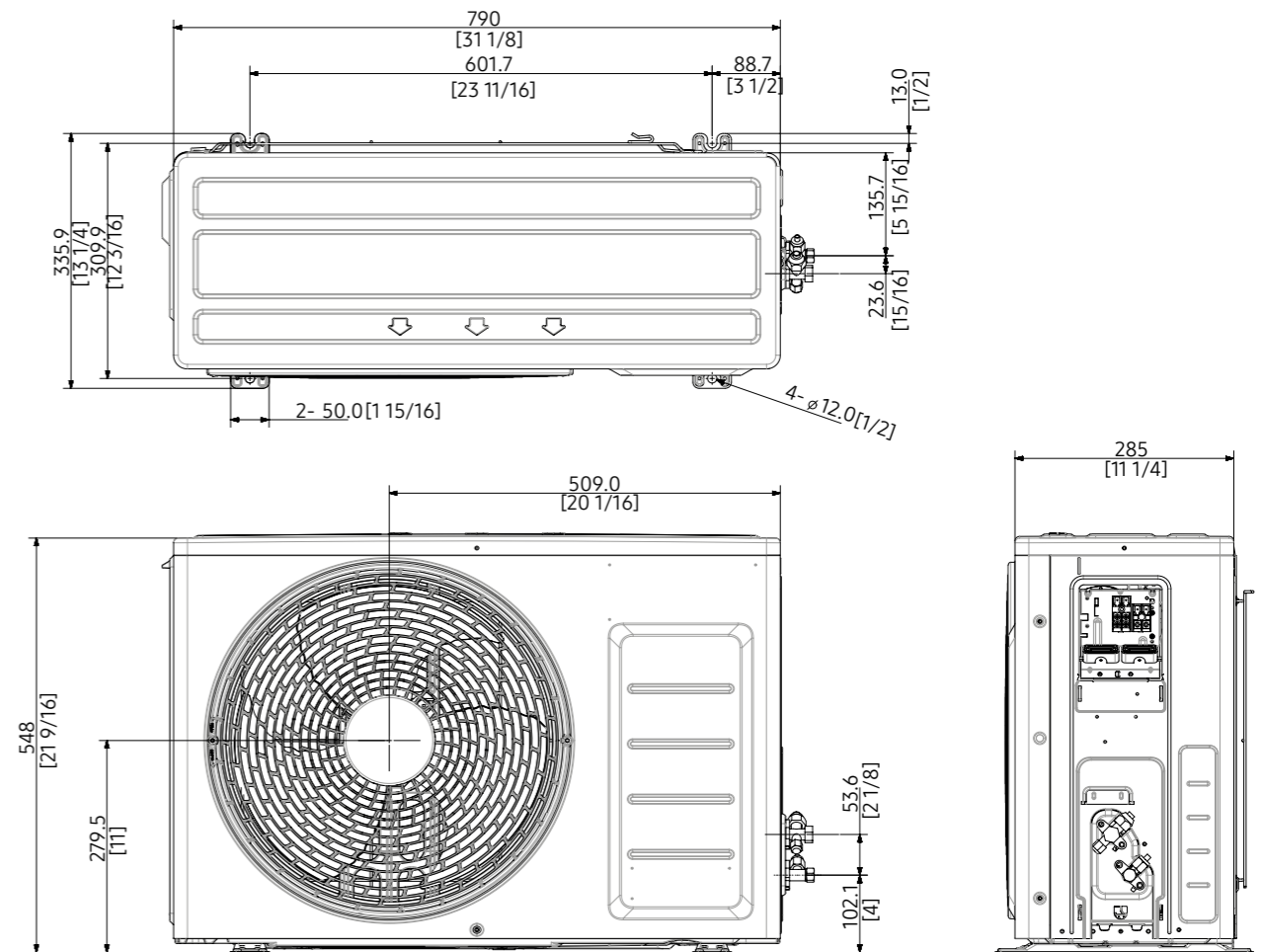
Units: mm [inches]



Nordic Geo Premium - Outdoor

AR09/12BXFYDWKXEE

Units: mm [inches]



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	m ³ /min	12.9	12.9
	Outdoor Unit	m ³ /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

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) 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.
³ MIM-A00N Interface is required for the connection to wired remote controllers.



		Indoor Unit	AR09TXFYBWKNEE	AR12TXFYBWKNEE
		Outdoor Unit	AR09TXFYBWKXEE	AR12TXFYBWKXEE
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
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		●	●
	Other Functions	Samsung SmartThings		●
	MDS (Motion Detect Sensor)		-	-
	Indoor Temperature Display		●	●
	Display On/Off		●	●
	Beep On/Off		●	●
	Auto Changeover		●	●
	Auto Restart		●	●

Accessory



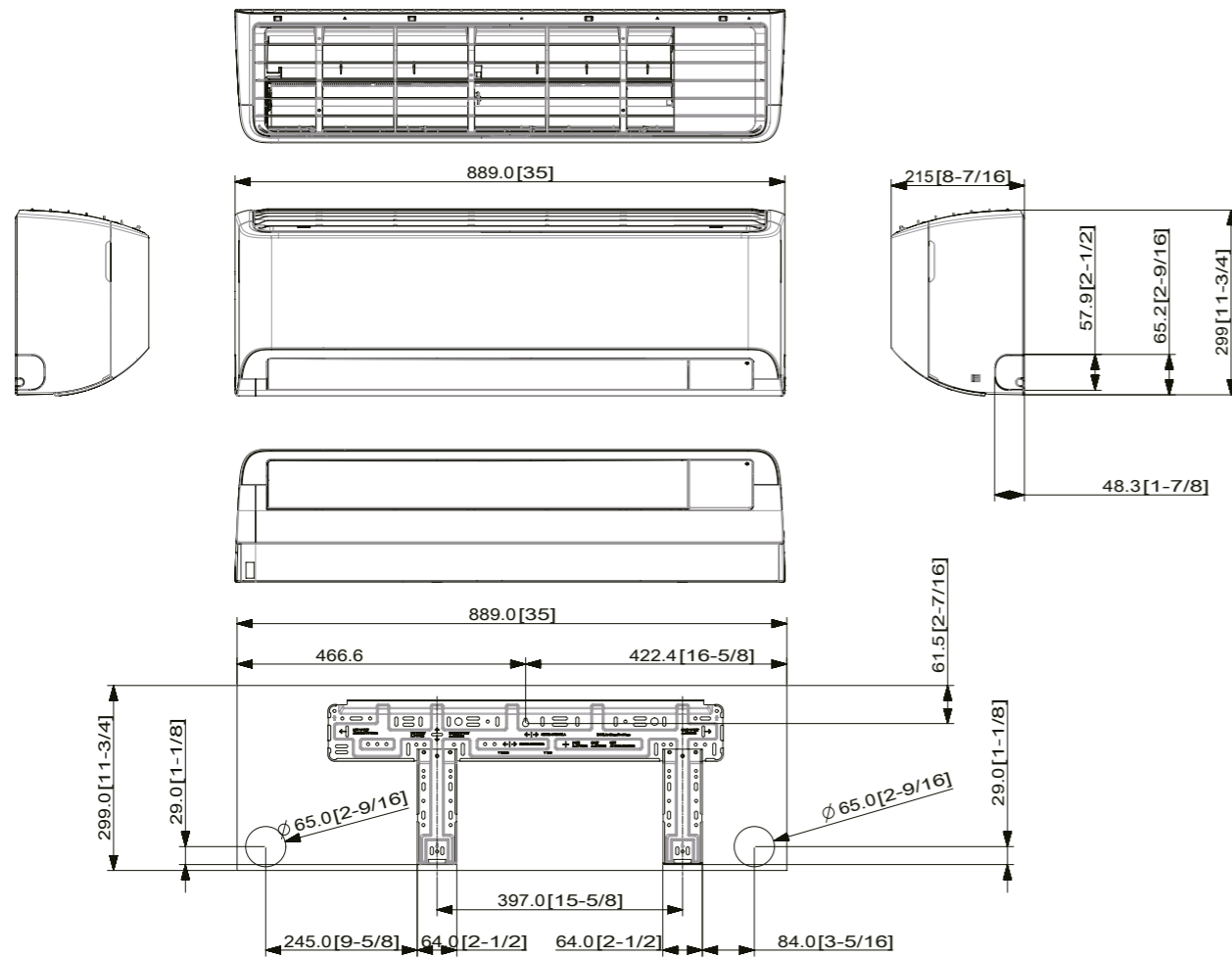
Wireless Remote Controller (Included)	Advanced Wired Controller ³	Simple Type Controller ³	Touch Controller ³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

Dimensional drawings

Nordic Geo - Indoor

AR09/12TXFYBWKNEE

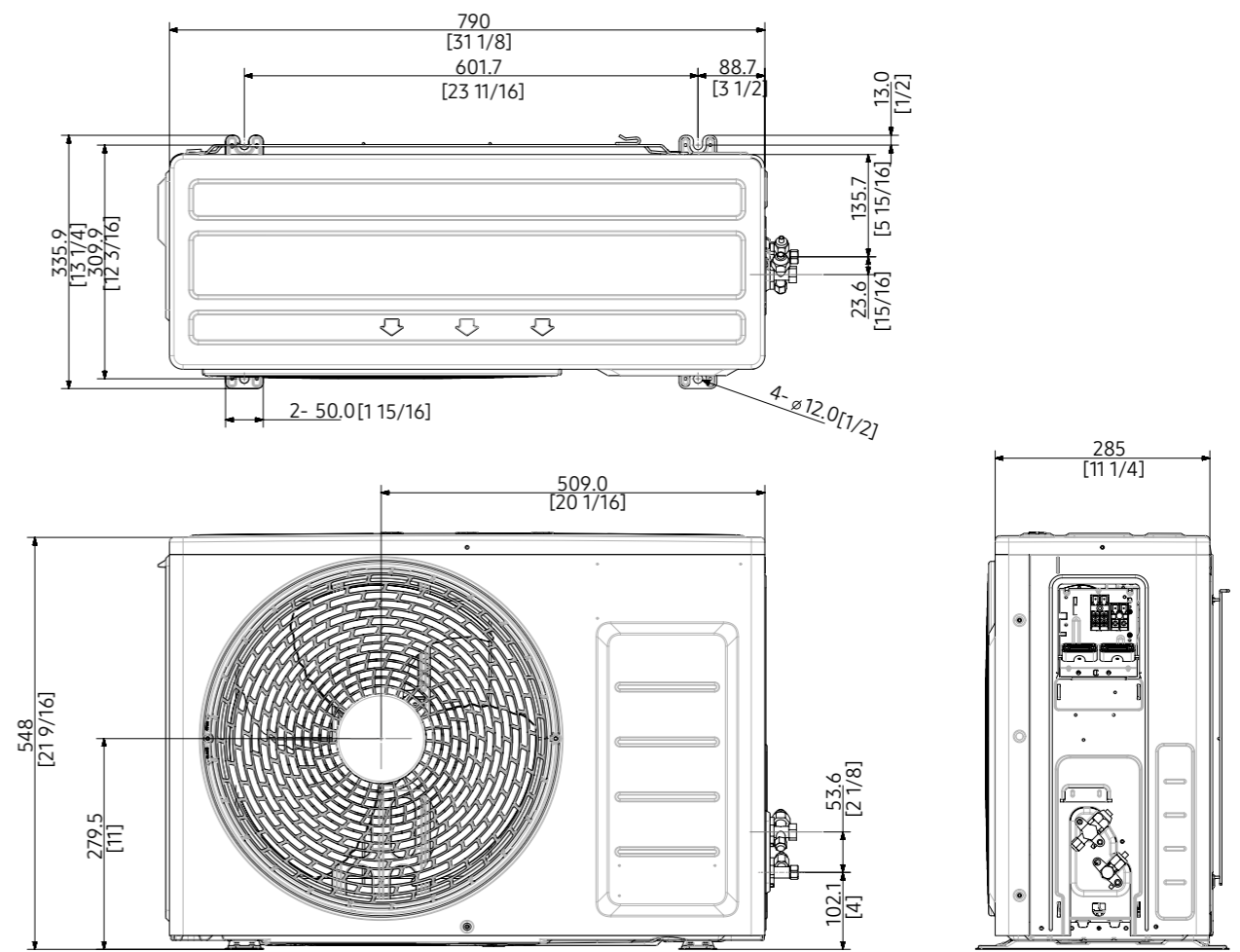
Units: mm [inches]



Nordic Geo - Outdoor

AR09TXFYBWKXEE

Units: mm [inches]



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.
- 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.
- Compatible with wired remote controller and with centralized controller².



		Indoor Unit	AR09TXFZBWKNEE	AR12TXFZBWKNEE
		Outdoor Unit	AR09TXFZBWKXEE	AR12TXFZBWKXEE
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	m ³ /min	11.4	11.9
	Outdoor Unit	m ³ /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



		Indoor Unit	AR09TXFZBWKNEE	AR12TXFZBWKNEE
		Outdoor Unit	AR09TXFZBWKXEE	AR12TXFZBWKXEE
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
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		●	●	
Other Functions	Samsung SmartThings		●	●
	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 ²	Simple Type Controller ²	Touch Controller ²
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

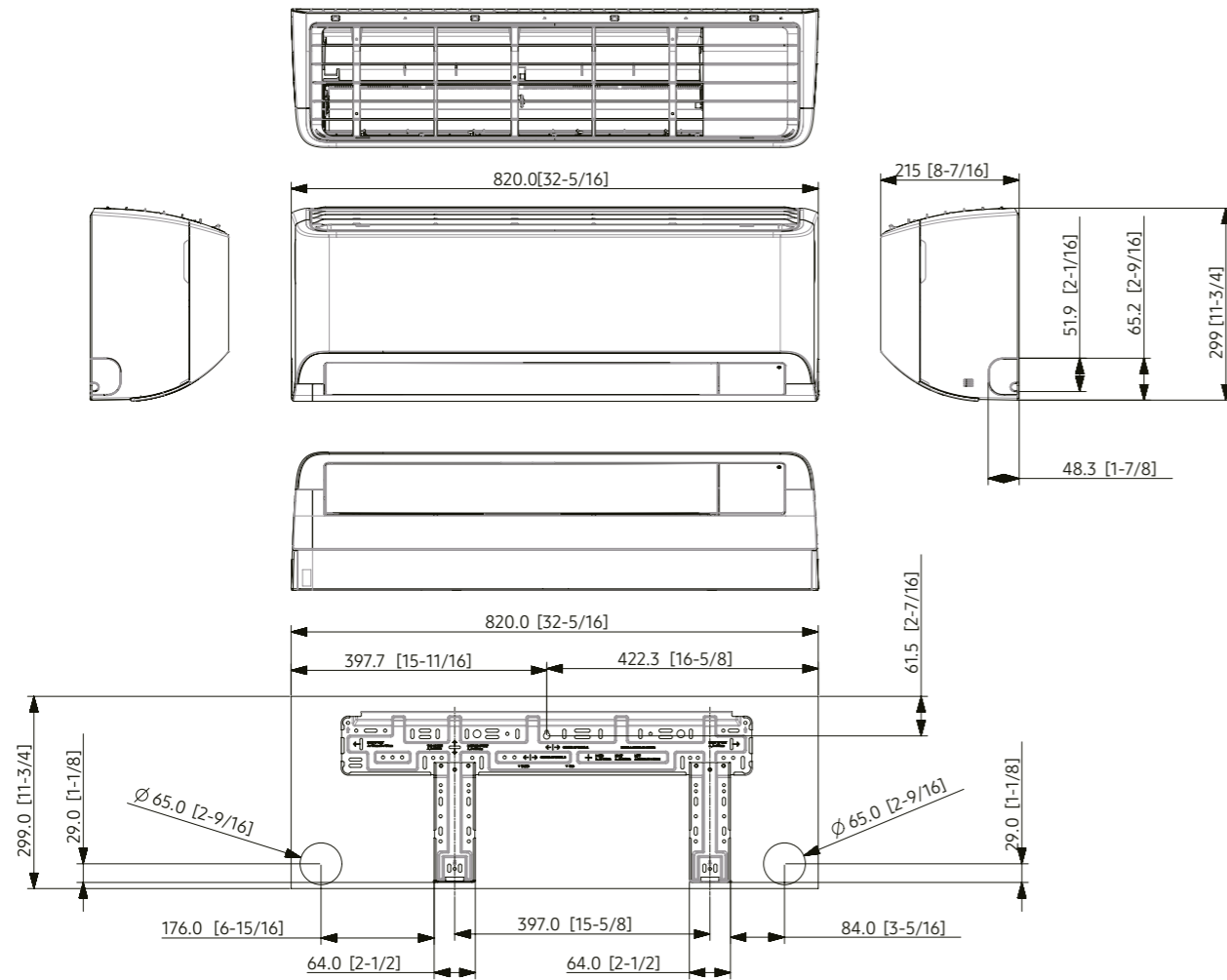
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.
² A MIM-R10N Interface is required to connect the Outdoor Unit (ODU) to the centralized controller.
³ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

Nordic Airise - Indoor

AR09TFZBWKNEE

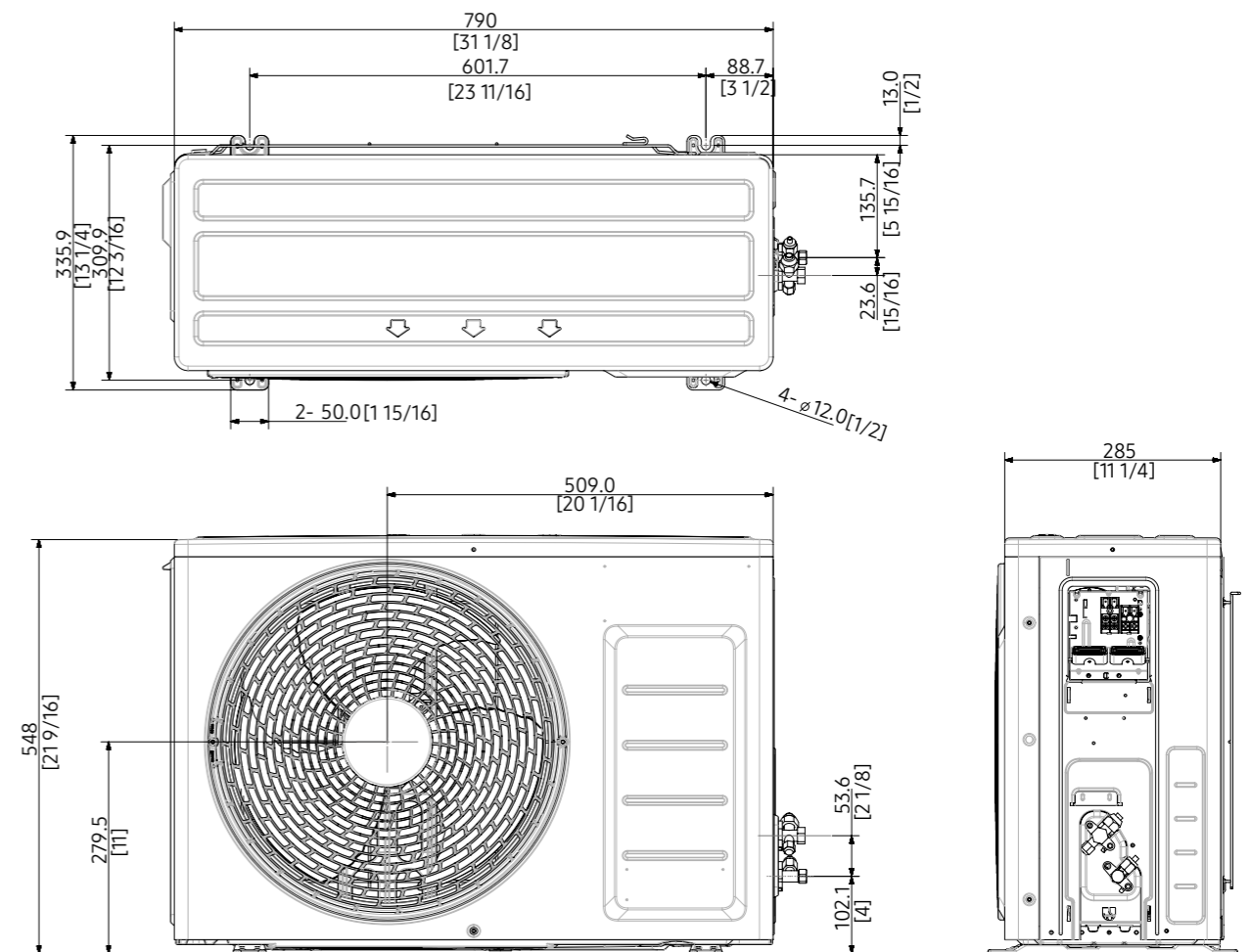
Units: mm [inches]



Nordic Airise - Outdoor

AR09TFZBWKXEE

Units: mm [inches]



Specifications

Nordic 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.



		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

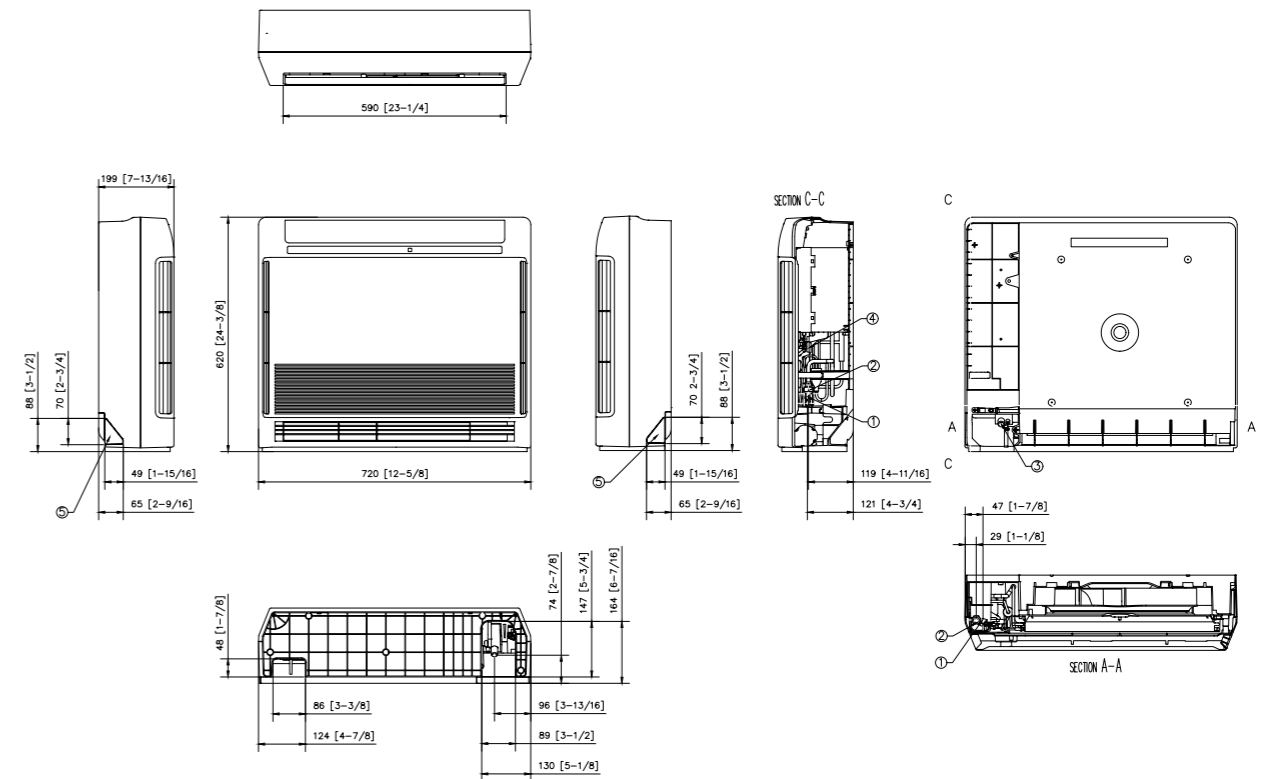
- Operation range from -25°C until 52°C
- 100% heating capacity at -15°C
- Base heater as standard
- Inverter PBA self-diagnosis

Dimensional drawings

Nordic Console R32

AC026/035BNJPKG/EU

Units: mm [inches]



Accessories



Wireless Remote Controller (included)

AR-EH04E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN



External Thermostat

MRW-TA

NO	Name	Description	
		AC026BNJPKG/EU	AC035BNJPKG/EU
1	Liquid pipe connection	ø6.35 (1/4)	
2	Gas pipe connection	ø9.52(3/8)	ø12.7(1/2)
3	Drain pipe connection	ID18mm [11/16inch] Hose	
4	Power supply & Communication wiring conduit		
5	Knockout hole for drain hose		

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Limited quantity, availability for the full year can not be guaranteed

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	AC026RNXADKG/EU	AC035RNXADKG/EU	AC052RNXADKG/EU
		Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035RXADKG/EU	AC525RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-	-
Capacity					
	Cooling (Min/Nominal/Max)	kW	1.0/2.6/3.4	0.89/3.50/4.90	1.9/5.0/5.5
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.0/3.5/4.2	1.00/4.00/5.30	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)	m ³ /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 (included)

AR-EH03E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN



External Thermostat

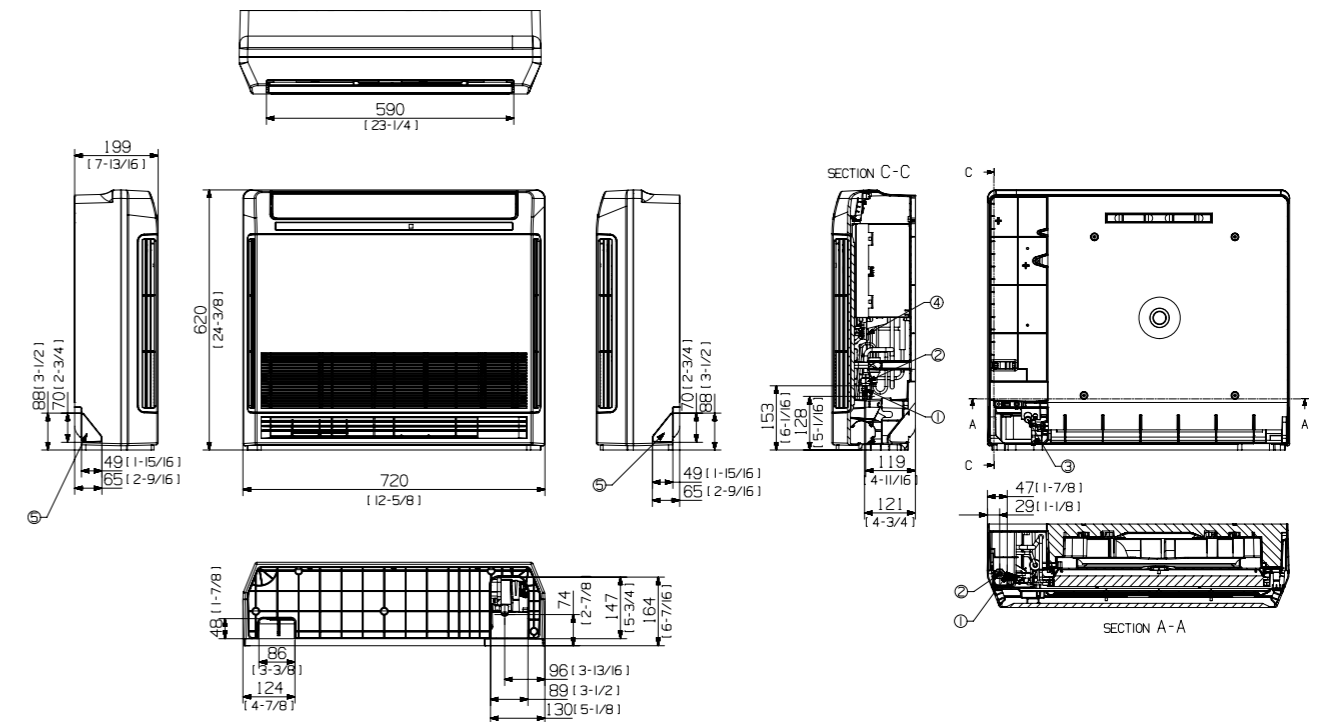
MRW-TA

Dimensional drawings

Console R32

AC026/035/052*NJDK*/EU

Units: mm [inches]



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		

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

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



Model		WindFree™ Elite	WindFree™ Avant	WindFree™ Comfort	Cebu	Luzon	
Airflow	WindFree™ Cooling	●	●	●	-	-	
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto	
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Manual	Manual	
	Air Flow Control Step (Cool/Fan)	5/4	5/4	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)	●	●	●	●	●	
	Samsung SmartThings	●	●	●	●	Optional	
Functions	Smart Operation (AI)	●	●	●	●	-	
	MDS (Motion Detect Sensor)	●	-	-	-	-	
	Humidity Sensor	●	●	●	-	-	
	Filter Cleaning Indication	●	●	●	●	●	
	Indoor Temperature Display	●	●	●	●	●	
	Energy Consumption Indication	●	●	●	●	Optional	
	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		●	●	●	●	●	
Quiet		●	●	●	●	●	
Triple Protector	Anti-Corrosion Fin	●	●	●	●	●	
	Compressor Protector	●	●	●	●	●	
	PBA Protector	●	●	●	●	●	
Controls	Remote controller included	●	●	●	●	●	
	Wired Remote Controller	Optional	Optional	Optional	Optional	Optional	
	Centralised controller compatibility	Optional	Optional	Optional	Optional	Optional	
Others	Drain Pump included	-	-	-	-	-	

Selection guide



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		●	●	
Quiet		●	●	
Triple Protector	Anti-Corrosion Fin	●	●	
	Compressor Protector	●	●	
	PBA Protector	●	●	
Controls	Remote controller included	Optional	Optional	
	Wired Remote Controller	Optional	Optional	
	Centralised controller compatibility	Optional	Optional	
Others	Drain Pump included	●	●	



Model		MSP Duct	LSP with Drain Pump	Console	
Airflow	WindFree™ Cooling	-	-	-	
	Air Direction Control (Up/Down)	-	-	Auto	
	Air Direction Control (Left/Right)	-	-	-	
	Air Flow Control Step (Cool/Fan)	3/3	3/3	3/3	
	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	Optional	
	Smart Operation (AI)	-	-	-	
	MDS (Motion Detect Sensor)	-	-	-	
	Humidity Sensor	-	-	-	
	Filter Cleaning Indication	Controller	Controller	●	
	Indoor Temperature Display	Controller	Controller	●	
	Energy Consumption Indication	Optional	Optional	Optional	
	Voice Control with Bixby	Optional	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		●	●	●	
Quiet		-	-	●	
Triple Protector	Anti-Corrosion Fin	●	●	●	
	Compressor Protector	●	●	●	
	PBA Protector	●	●	●	
Controls	Remote controller included	Optional	Optional	●	
	Wired Remote Controller	Optional	Optional	Optional	
	Centralised controller compatibility	Optional	Optional	Optional	
Others	Drain Pump included	Optional	●	Optional	

Nomenclature

Multi Split - Indoor units

AJ	26	T	B	N	D	E	G	EU
1	2	3	4	5	6	7	8	

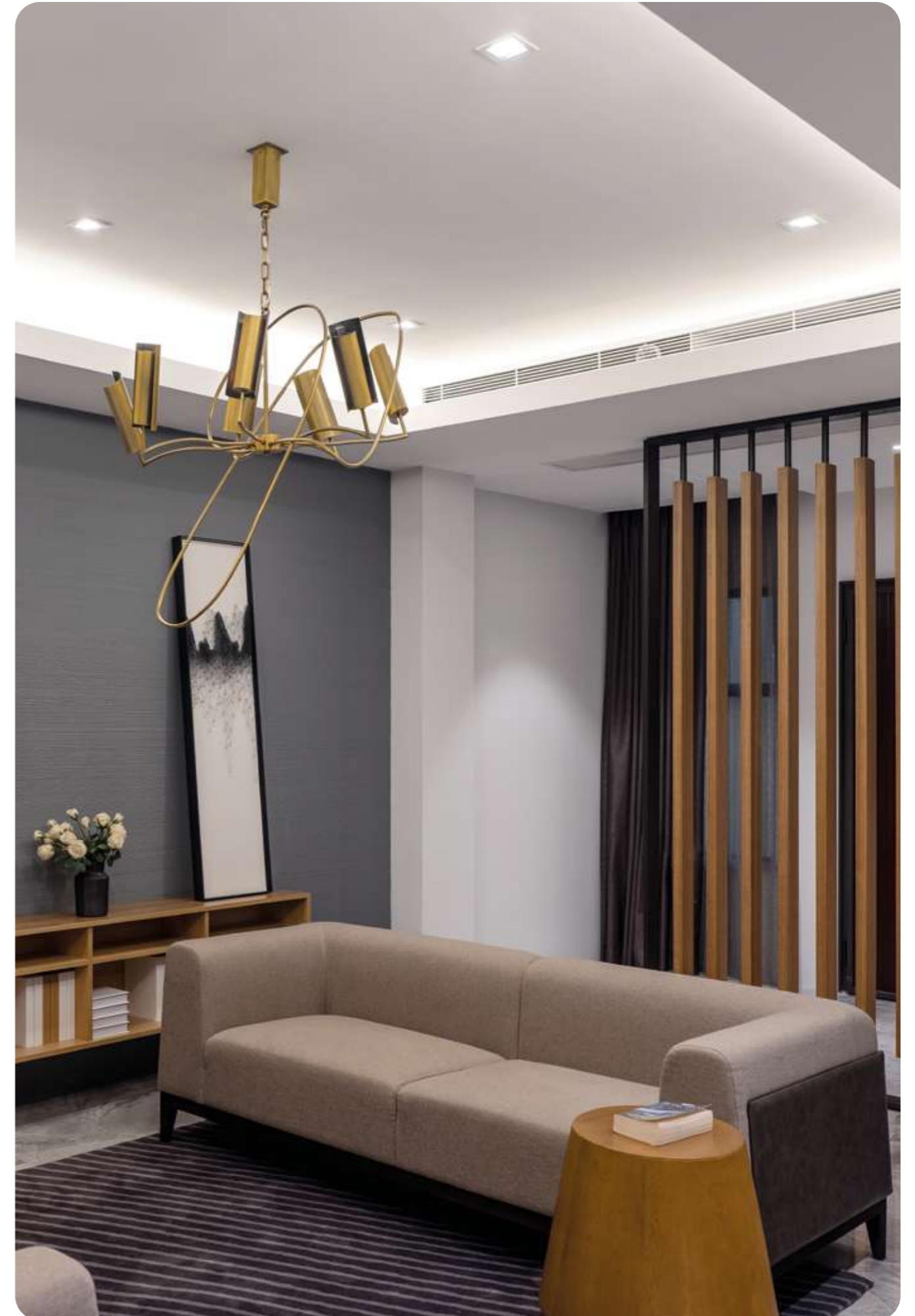
1	Classification	AJ	Multi Split - Free Joint Multi (FJM)
2	Capacity		x1/10 kW (3 digits)
3	Version	T	2020
		B	2022
4	Product Type	N	Indoor Unit (NASA)
		N	WindFree™ 4-Way 600 x 600 Cassette
5	Product Notation	1	WindFree™ 1-Way Cassette
		M	MSP Duct
		L	Slim Duct
		J	Console
6	Feature	D	Deluxe
		P	Premium
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

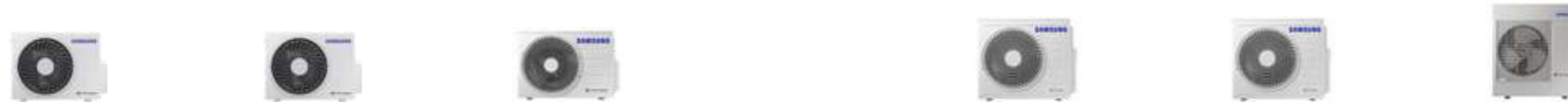
			Multi Split Wall Mounted Indoor Unit												Multi Split Wall Mounted Indoor Unit										
			WindFree™ Elite			WindFree™ Avant					WindFree™ Comfort				Cebu					Luzon					
			AR09/12CXCAAWKNEU			AR07TXEAAWKNEU/09/12					AR07XFCAWKNEU/09/12/18/24				AR07TFYAWKNEU/09/12/18/24					AR07TXHZAWKNEU/09/12/18/24					
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	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												
			WindFree™ 4-Way 600 x 600 Cassette					WindFree™ 1-Way		Duct			Console		
			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	•	•	•	•	•	•	•	•	•	•	•		

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	AJ068TXJ3KG/EU	AJ080TXJ4KG/EU	AJ100TXJ5KG/EU
Maximum number of connectable indoor units			2	2	3	3	4	5
Capacity								
Capacity	Cooling (Nominal)	kW	4.0	5.0	5.2	6.8	8.0	10.0
	Heating @ +7 °C	kW	4.2	5.6	6.3	8.0	9.3	12.0
	Heating @ -5 °C	kW	3.16	4.22	4.22	6.02	7.00	9.03
	Heating @ -10 °C	kW	2.70	3.60	3.60	5.14	5.97	7.70
	Heating @ -15 °C	kW	2.23	2.98	2.98	4.25	4.94	6.38
Performance								
Energy Efficiency Cooling	SEER ¹	W/W	8.54/ A+++	8.54/ A+++	8.51/ A+++	7.75/ A+++	7.75/ A+++	8.00/ A+++
	Power Consumption	kWh/a	164	205	206	293	330	387
	Pdesignc	kW	4.0	5.0	5.0	6.5	7.3	8.8
	EER	W/W	4.44	4.10	4.16	3.78	4.06	3.64
Energy Efficiency Heating	SCOP ¹	W/W	4.60/ A++	4.64/ A++	3.60/ A	4.32/ A	4.10/ A	4.32/ A
	Power Consumption	kWh/a	922	1,270	1,400	1,833	2,009	2,564
	Pdesignh (average)	kW	3.1	4.2	4.6	5.7	5.9	7.9
	COP ¹	W/W	4.64	4.38	4.77	4.42	4.37	4.26
Airflow Rate	m ³ /min	29.7	33.1	38.0	47.5	47.5	75.0	
Sound Power	dB(A)	60	61	61	64	64	70	
Sound Pressure	Cooling	dB(A)	45	46	46	48	48	54
	Heating	dB(A)	46	47	48	50	50	56
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Discharge direction		Front (horizontal)	Front (horizontal)	Front (horizontal)	Front (horizontal)	Front (horizontal)	Front (horizontal)
	Power	W	40	40	125	125	125	125
	Number of Fans	-	1	1	1	1	1	1
Operating Temperature Range	Cooling	°C	-5.0-46.0	-5.0-46.0	-10.0-46.0	-10.0-46.0	-10.0-46.0	-10.0-46.0
	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			Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power Consumption	Cooling	kW	0.90	1.22	1.25	1.80	1.97	2.75
	Heating	kW	0.90	1.28	1.32	1.81	2.13	2.82
Operating Current	Cooling	A	4.1	5.6	5.5	8.1	8.9	12.2
	Heating	A	4.1	5.9	6.1	8.2	9.5	12.8
Dimensions								
Net Dimensions (W x H x D)	mm		790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330
Net Weight	kg		32.0	33.0	44.5	57.5	57.5	76.5
Refrigerant								
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			R32 (contains fluorinated greenhouse gases. GWP = 675)		
Refrigerant	Factory Charging	kg	0.98	1.18	1.55	2.00	2.00	2.70
	Chargeless Piping Length	m	30.0	30.0	30.0	30.0	30.0	30.0
	Charging Ton equivalent CO ₂	tCO ₂ e	0.66	0.80	1.05	1.35	1.35	1.82
	Additional Refrigerant Charging	g/m				10	20	10
Piping Connections	Liquid Pipe	ø, inch	1/4 x 2	1/4 x 2	1/4 x 3	1/4 x 3	1/4 x 4	1/4 x 5
	Gas Pipe	ø, inch	3/8 x 2	3/8 x 2	3/8 x 2 + 1/2	3/8 + 1/2 x 2	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 3
Piping Length	Total Piping Length	m	30	30	50	50	70	75
	Min/Max	m	3/25	3/25	3/25	3/25	3/25	3/25
Piping Height	Max Height (ID-ID)	m	7.5	7.5	7.5	7.5	7.5	7.5
	Max Height (OD-ID)	m	15	15	15	15	15	15

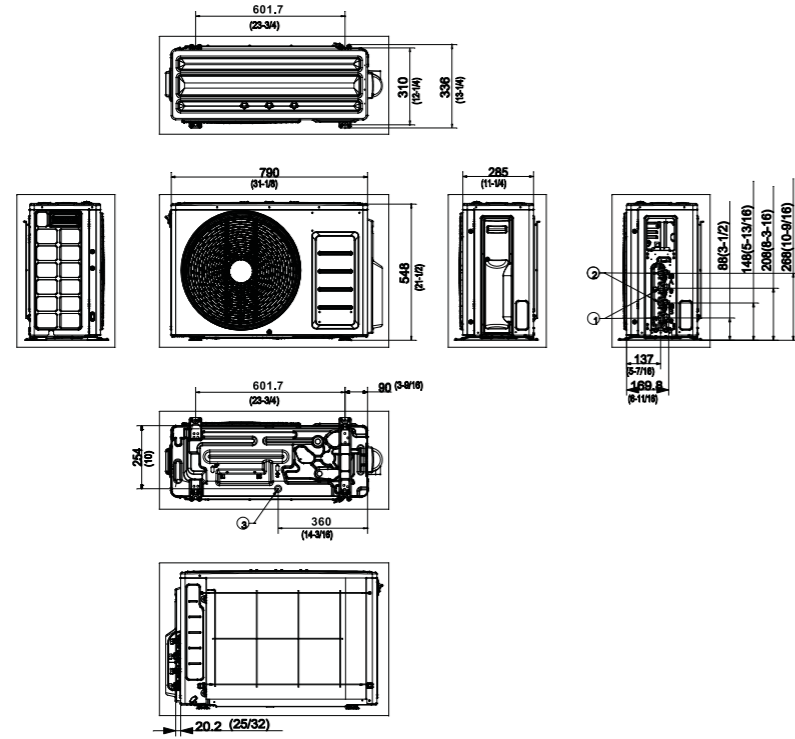
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++. However the SEER, SCOP and energy rating depends on the combination of Indoor Unit which is used with the outdoor unit. It may vary with the different indoor unit.

Dimensional drawings

Outdoor units

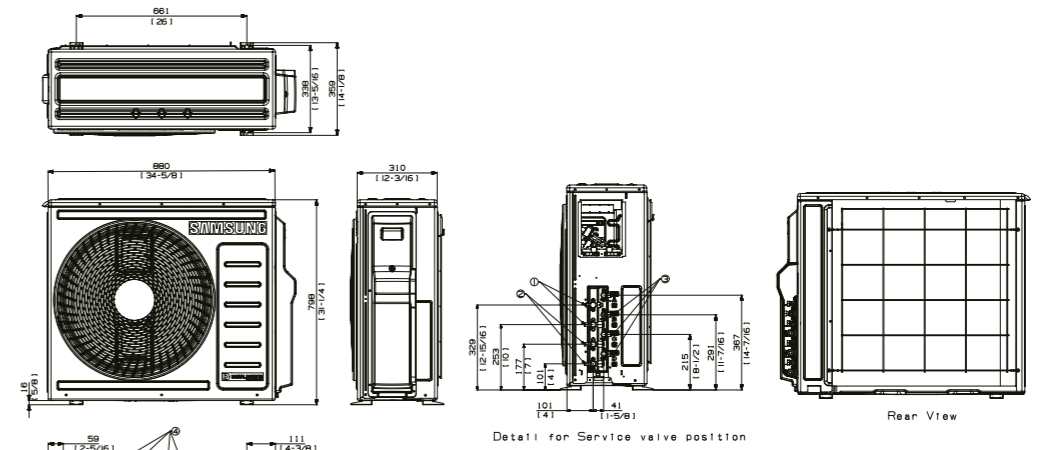
AJ040/50TXJ2KG/EU

Units: mm [inches]



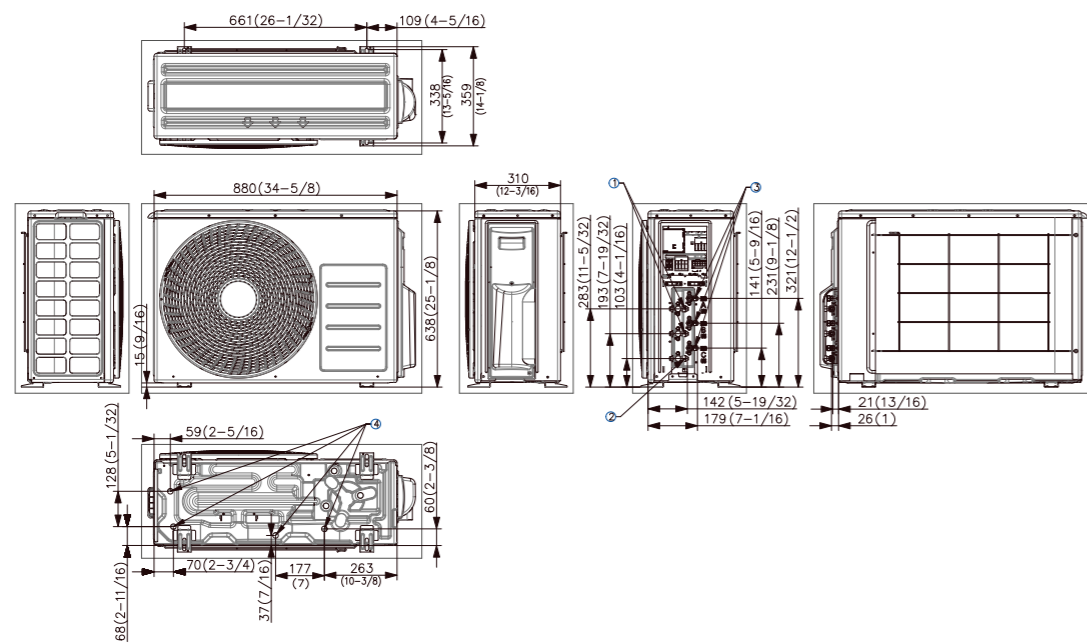
AJ068TXJ3KG/EU, AJ080TXJ4KG/EU

Units: mm [inches]



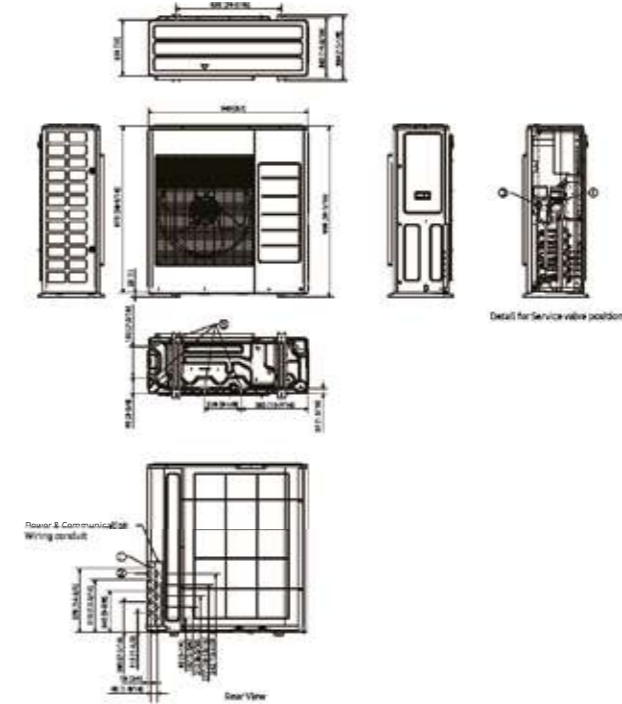
AJ052TXJ3KG/EU

Units: mm [inches]



AJ100TXJ5KG/EU

Units: mm [inches]



Specifications

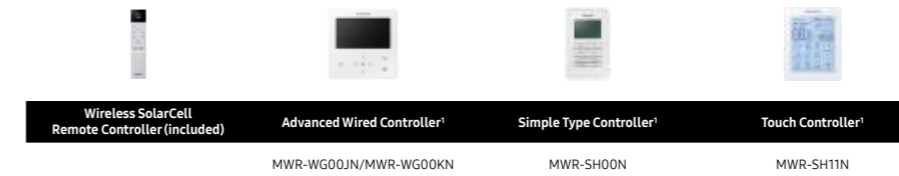
WindFree™ Elite R32

- 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
	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
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	8.8 Display		●	●	●
Display On/Off			●	●	●
Beep On/Off			●	●	●
Auto Changeover			●	●	●
Auto Restart			●	●	●

Accessory



MWR-WG00JN/MWR-WG00KN

MWR-SH00N

MWR-SH11N

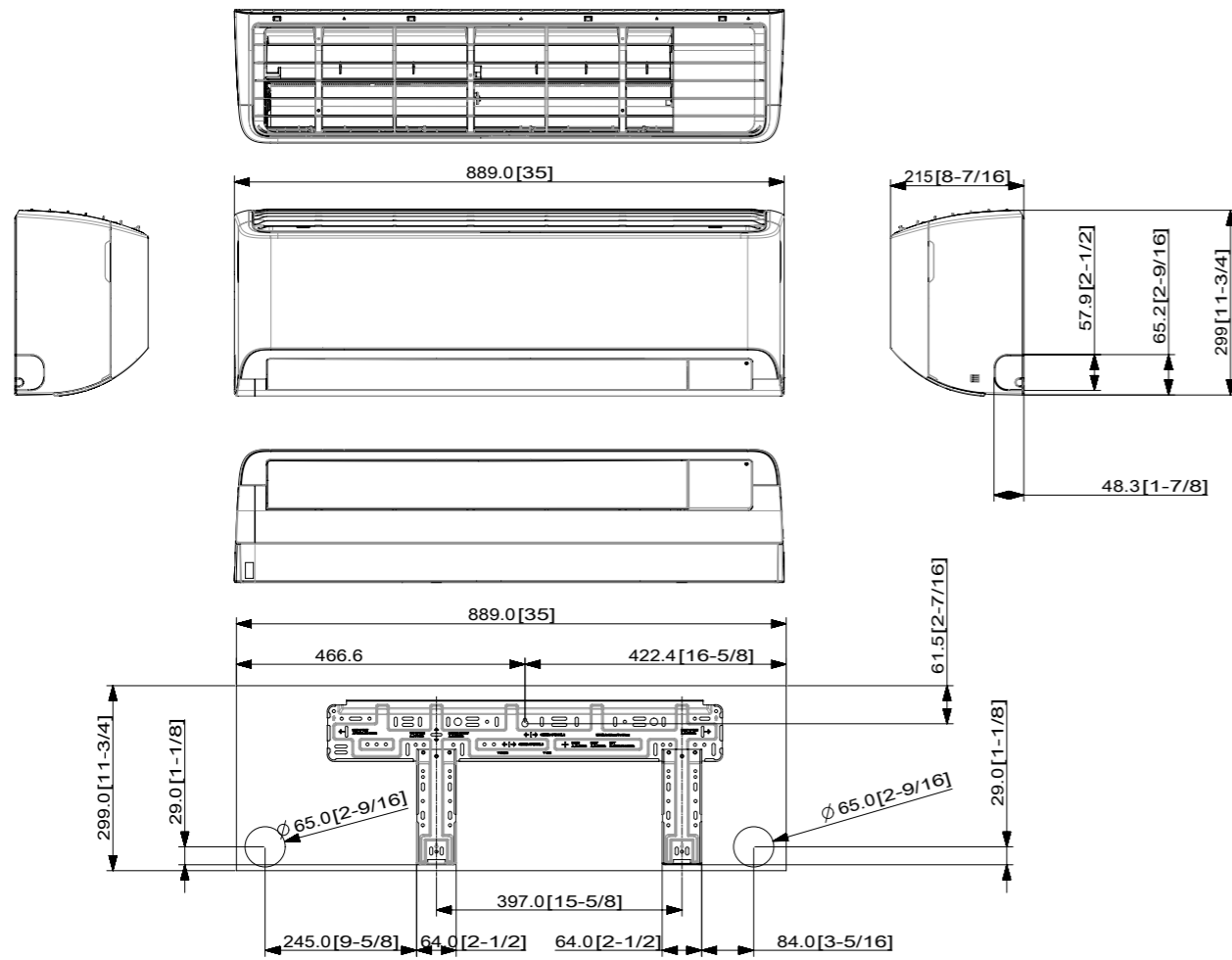
¹ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

WindFree™ Elite

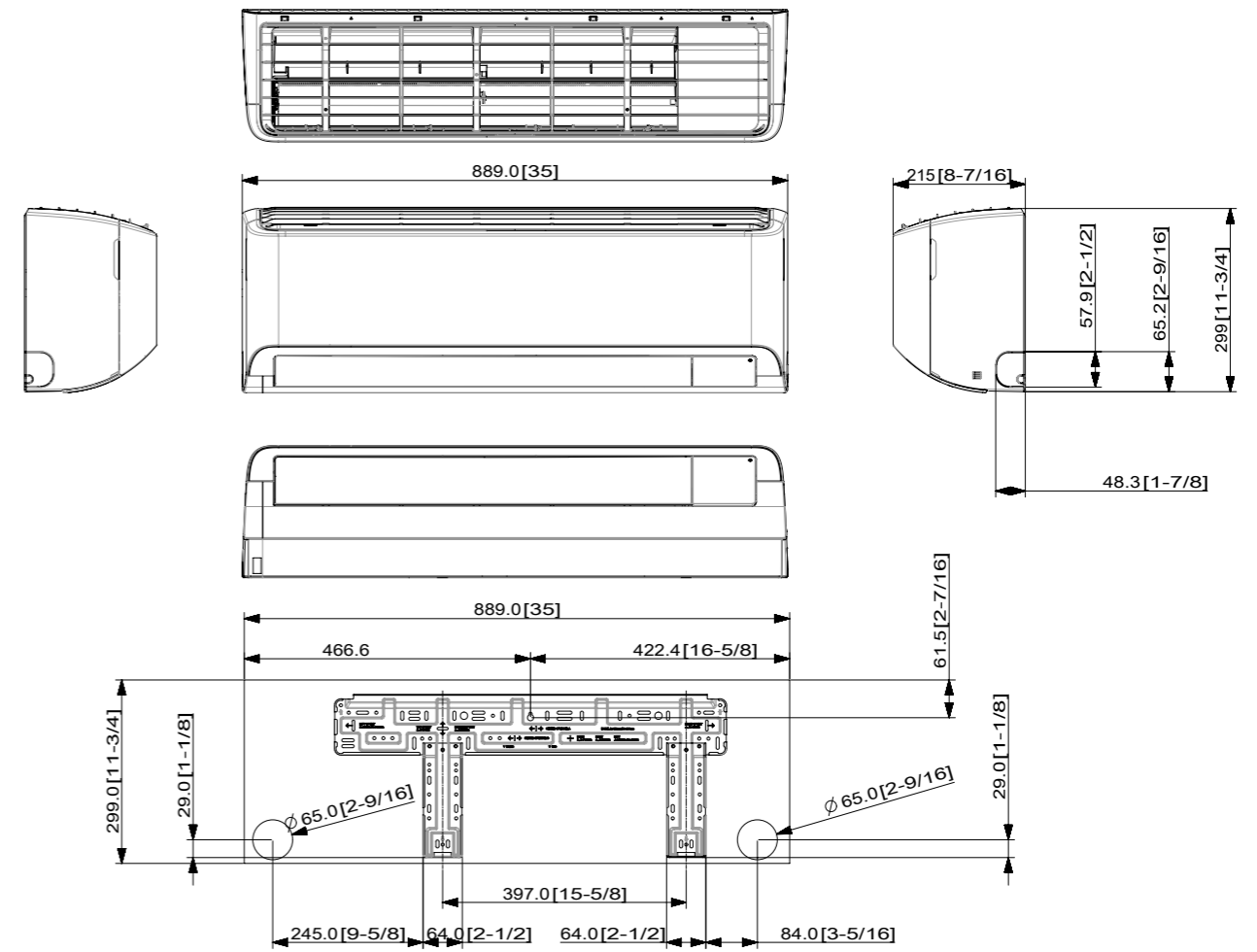
AR07/09CXCAAWKNEU

Units: mm [inches]



AR12CXCAAWKNEU

Units: mm [inches]



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			AR07XEAAWKNEU	AR09XEAAWKNEU	AR12XEAAWKNEU	AR18XEAAWKNEU	AR24XEAAWKNEU
Capacity							
Capacity	Cooling	kW	2.0	2.5	3.5	5.0	6.5
	Heating @ +7 °C	kW	2.2	3.2	4.0	6.0	7.4
Performance							
Airflow Rate		m ³ /min	10.7	9.5	10.5	15.7	17.6
Sound Power	Cooling	dB(A)	56	57	57	58	62
	H/L	dB(A)	37/19	38/19	40/19	41/25	45/26
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
Power Consumption	Cooling	W	40	40	40	40	50
	Heating	W	40	40	40	40	50
Current Input	Cooling	A	0.4	0.4	0.4	0.4	0.5
	Heating	A	0.4	0.4	0.4	7.8	0.5
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	1,055 x 299 x 215
Net Weight		kg	9.4	9.4	9.4	13.2	13.4
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	1/2	5/8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16	ID 16
Functions							
Airflow	WindFree™ Cooling		●	●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	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		●	●	●	●	●

Accessory



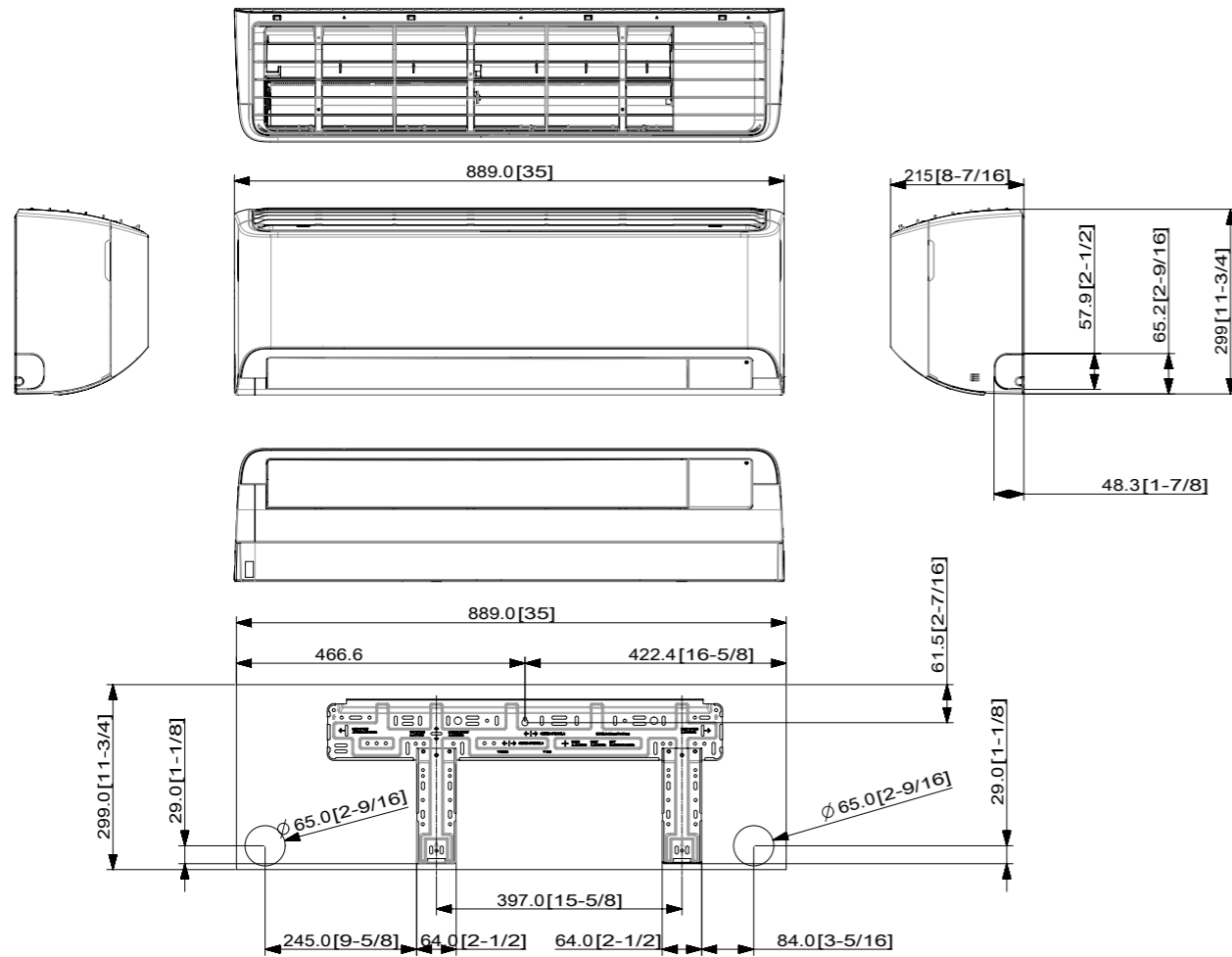
¹ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

WindFree™ Avant

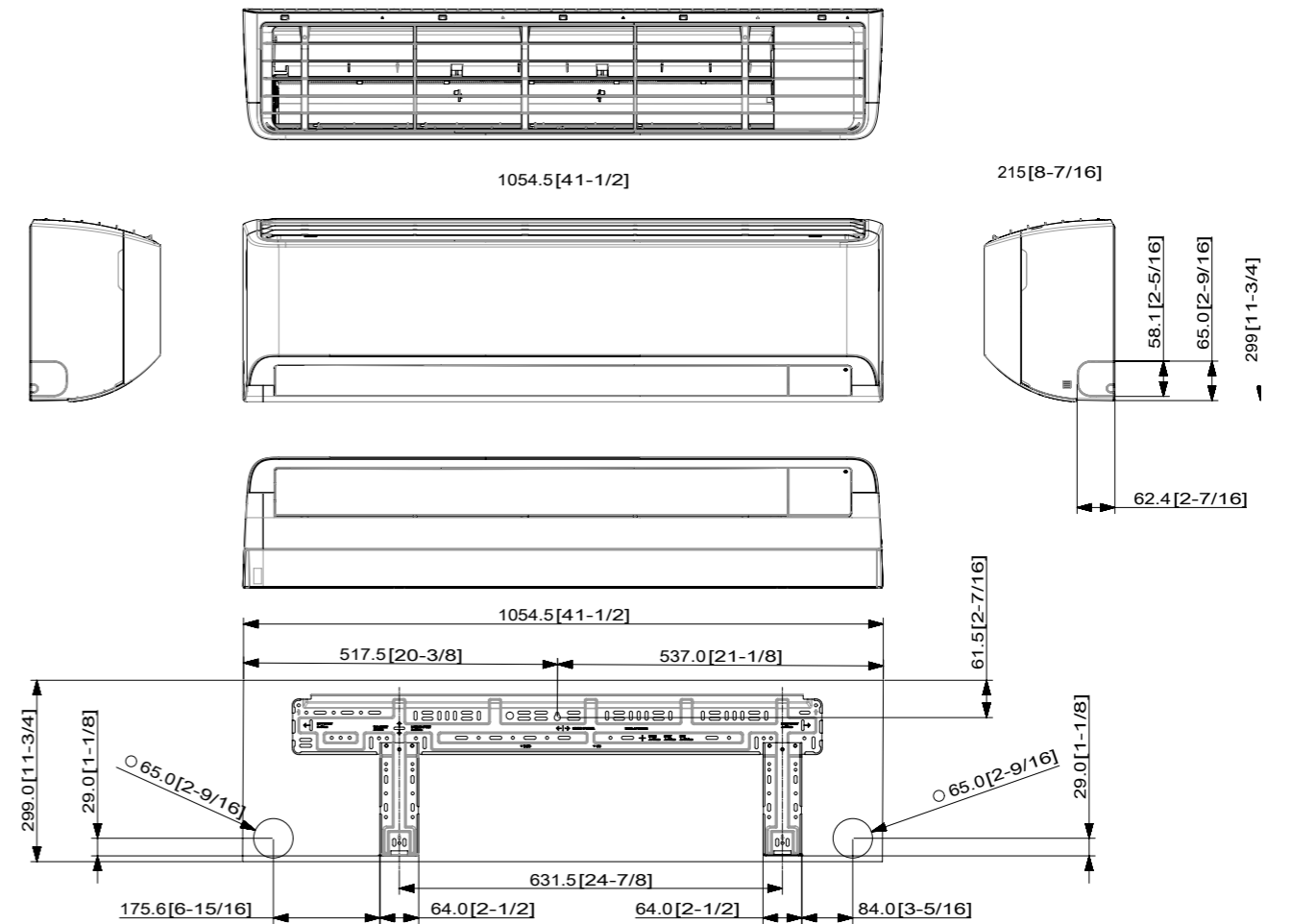
AR07/09/12TXEAAWKNEU

Units: mm [inches]



AR18/24TXEAAWKNEU

Units: mm [inches]



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			AR07TXFCAWKNEU	AR09TXFCAWKNEU	AR12TXFCAWKNEU	AR18TXFCAWKNEU	AR24TXFCAWKNEU
Capacity							
Capacity	Cooling	kW	2.0	2.5	3.5	5.0	6.5
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0	7.4
Performance							
Airflow Rate		m ³ /min	9.9	10.3	10.7	16.6	18.6
Sound Power	Cooling	dB(A)	54	54	56	58	62
Sound Pressure	H/L	dB(A)	36/19	37/19	38/19	41/25	45/26
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
Power Consumption	Cooling	W	30	30	30	40	50
	Heating	W	30	30	30	40	50
Current Input	Cooling	A	0.3	0.3	0.3	0.4	0.5
	Heating	A	0.3	0.3	0.3	0.4	0.5
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	1,055 x 299 x 215
Net Weight		kg	8.9	8.9	8.9	12.2	12.2
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	1/2	5/8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16	ID 16
Functions							
Airflow	WindFree™ Cooling		●	●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	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			●	●	●	●	

Accessory



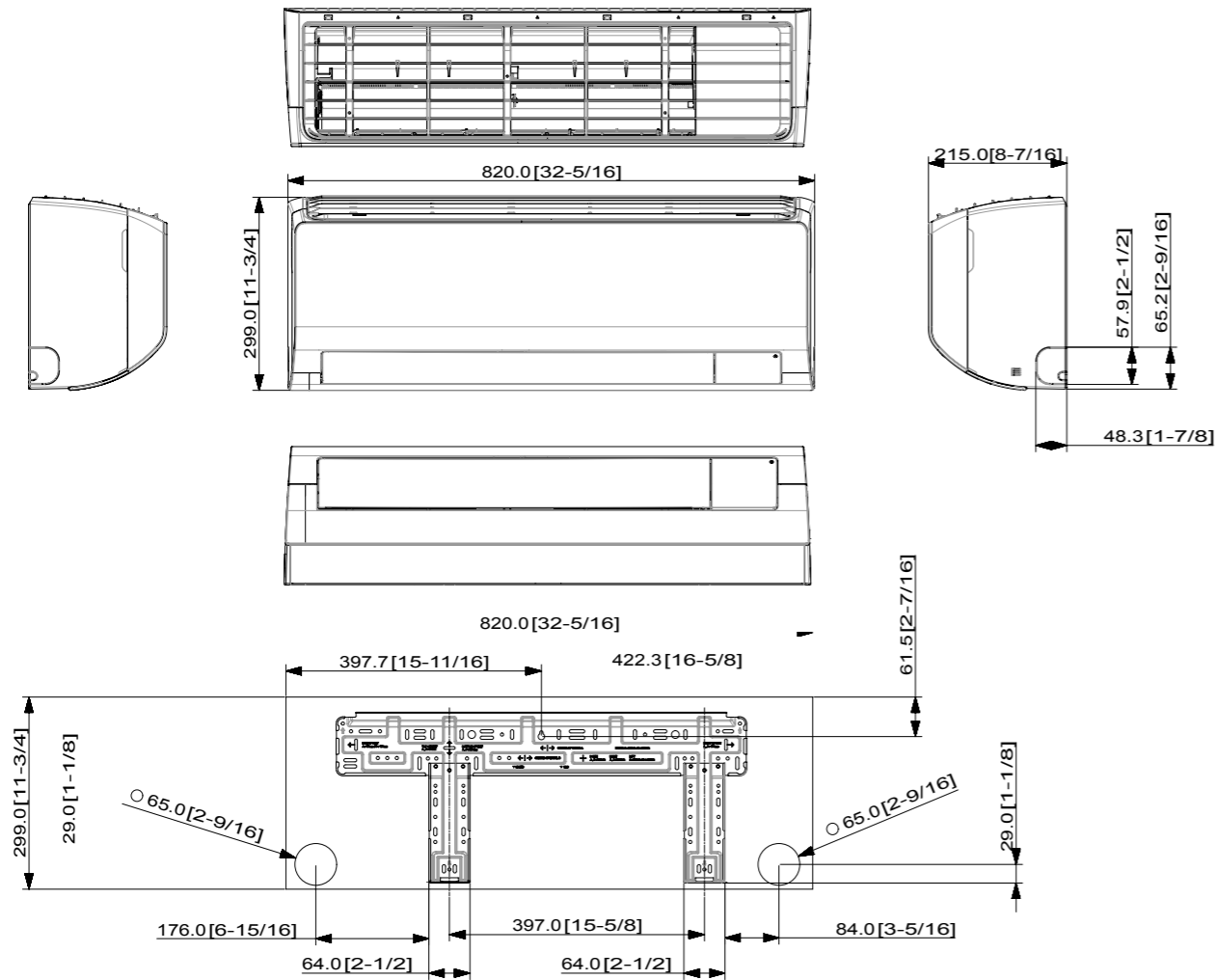
¹ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

WindFree™ Comfort

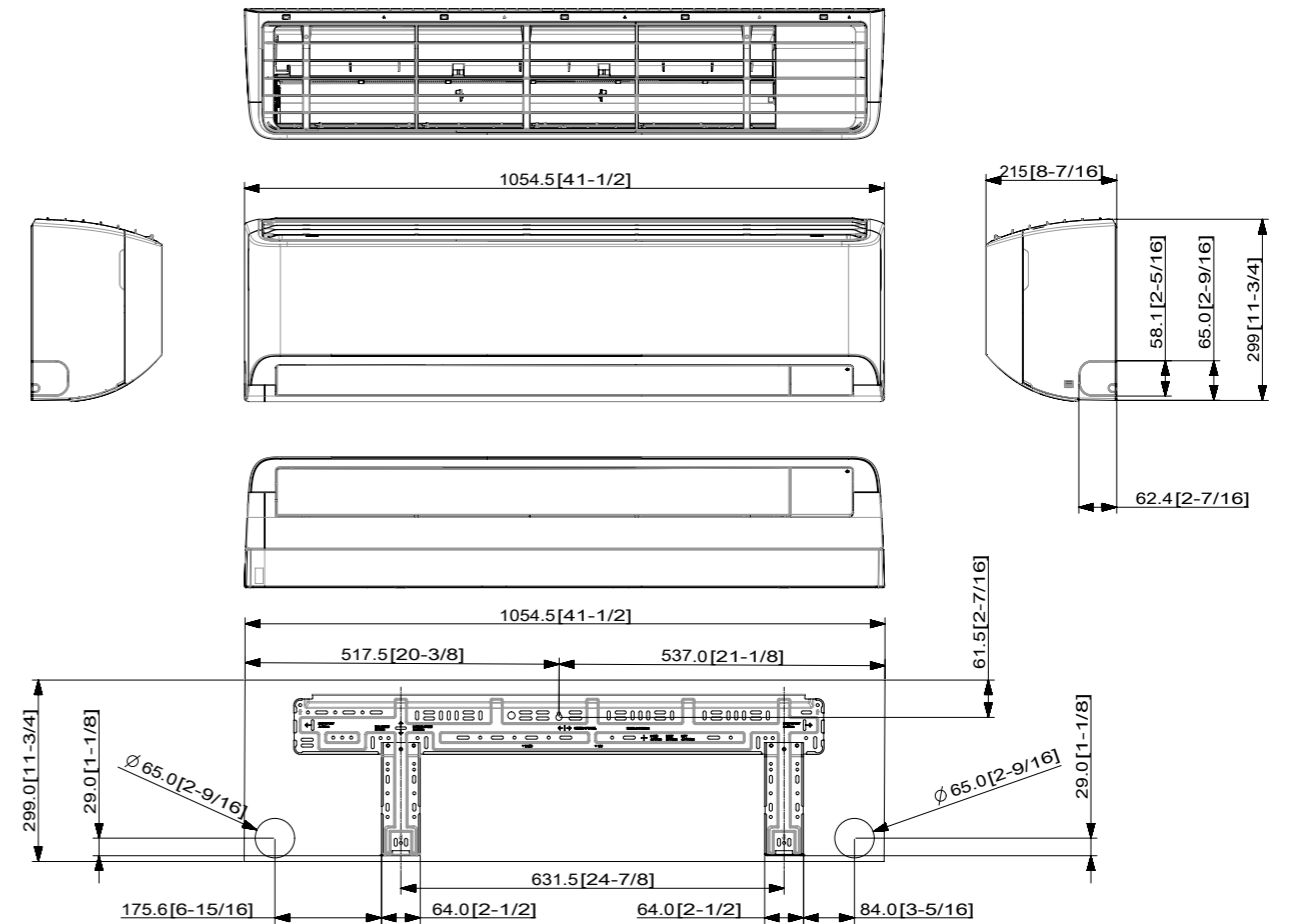
AR07/09/12TXFCWKNEU

Units: mm [inches]



AR18/24TXFCWKNEU

Units: mm [inches]



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		AR07XFYAWKNEU	AR09XFYAWKNEU	AR12XFYAWKNEU	AR18XFYAWKNEU	AR24XFYAWKNEU	
Capacity							
Capacity	Cooling	kW	2.0	2.5	3.5	5.0	6.5
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0	7.4
Performance							
Airflow Rate		m ³ /min	9.9	10.5	10.9	16.5	18.4
Sound Power	Cooling	dB(A)	54	54	56	58	62
	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	1Φ, 220-240 V, 50 Hz
Power Consumption	Cooling	W	30	30	30	40	50
	Heating	W	30	30	30	40	50
Current Input	Cooling	A	0.3	0.3	0.3	0.4	0.5
	Heating	A	0.3	0.3	0.3	0.4	0.5
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	1,055 x 299 x 215
Net Weight		kg	8.9	8.9	8.9	12.2	12.2
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	1/2	5/8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16	ID 16
Functions							
Airflow	WindFree™ Cooling						
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	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	88 Display		●	●	●	●	
Display On/Off			●	●	●	●	
Beep On/Off			●	●	●	●	
Auto Changeover			●	●	●	●	
Auto Restart			●	●	●	●	

Accessory



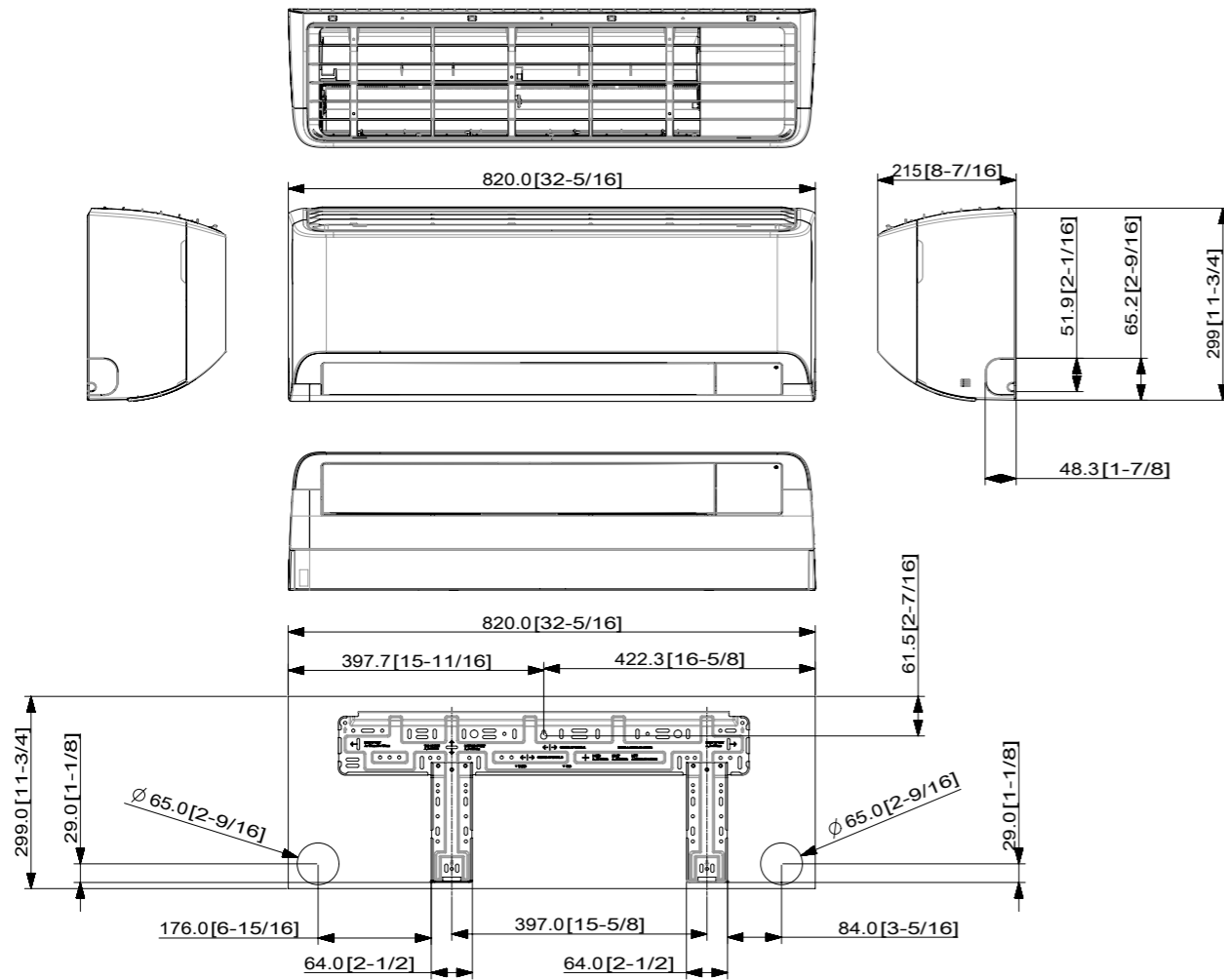
¹ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

Cebu

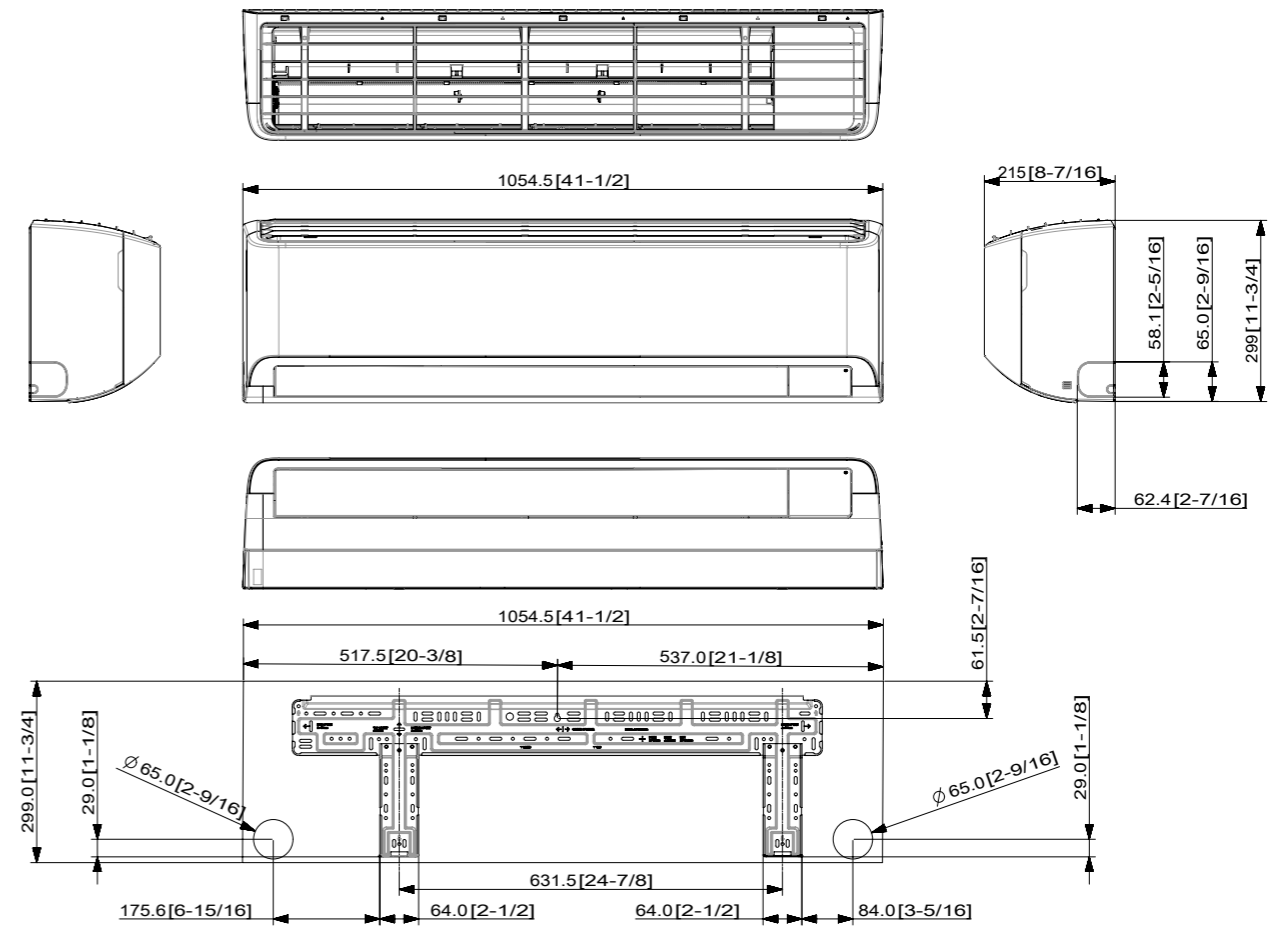
AR07/09/12TXFYAWKNEU

Units: mm [inches]



AR18/24TXFYAWKNEU

Units: mm [inches]



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	AR24TXHZAWKNEU
Capacity							
Capacity	Cooling	kW	2.0	2.5	3.5	5.0	6.5
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0	7.4
Performance							
Airflow Rate		m ³ /min	9.9	10.5	10.9	16.5	18.4
Sound Power	Cooling	dB(A)	54	54	56	58	62
Sound Pressure	H/L	dB(A)	36/19	37/19	38/19	41/25	45/26
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
Power Consumption	Cooling	W	30	30	30	40	50
	Heating	W	30	30	30	40	50
Current Input	Cooling	A	0.3	0.3	0.3	0.4	0.5
	Heating	A	0.3	0.3	0.3	0.4	0.5
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	1,055 x 299 x 215
Net Weight		kg	8.9	8.9	8.9	12.2	12.2
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	1/2	5/8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16	ID 16
Functions							
Airflow	WindFree™ Cooling						
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	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		●	●	●	●	●
	Auto Changeover		●	●	●	●	●
Other Functions	Samsung SmartThings		-	-	-	-	-
	MDS (Motion Detect Sensor)		-	-	-	-	-
	Indoor Temperature Display	88 Display	●	●	●	●	●
	Display On/Off		●	●	●	●	●
	Beep On/Off		●	●	●	●	●
	Auto Restart		●	●	●	●	●

Accessory



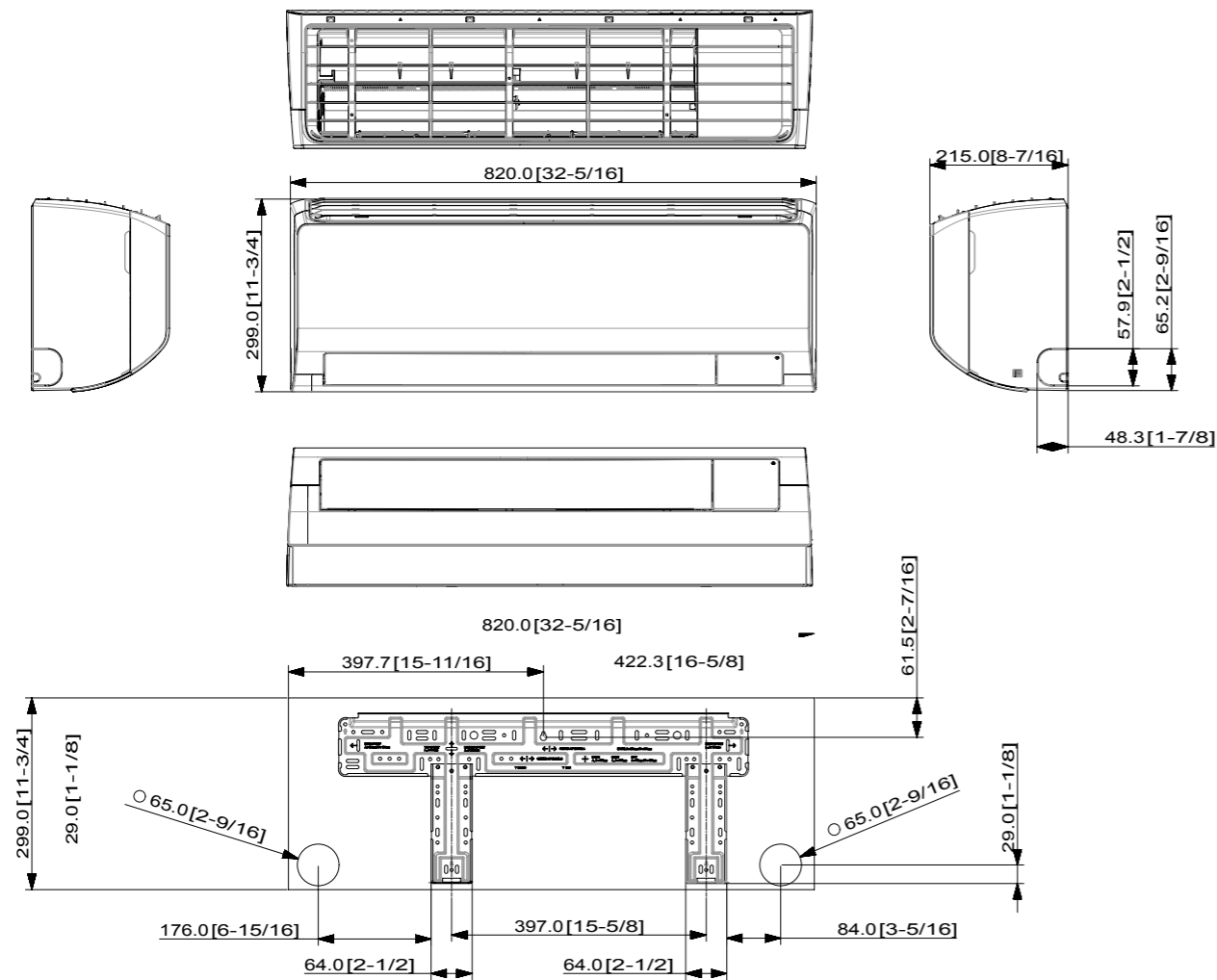
¹ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

Luzon

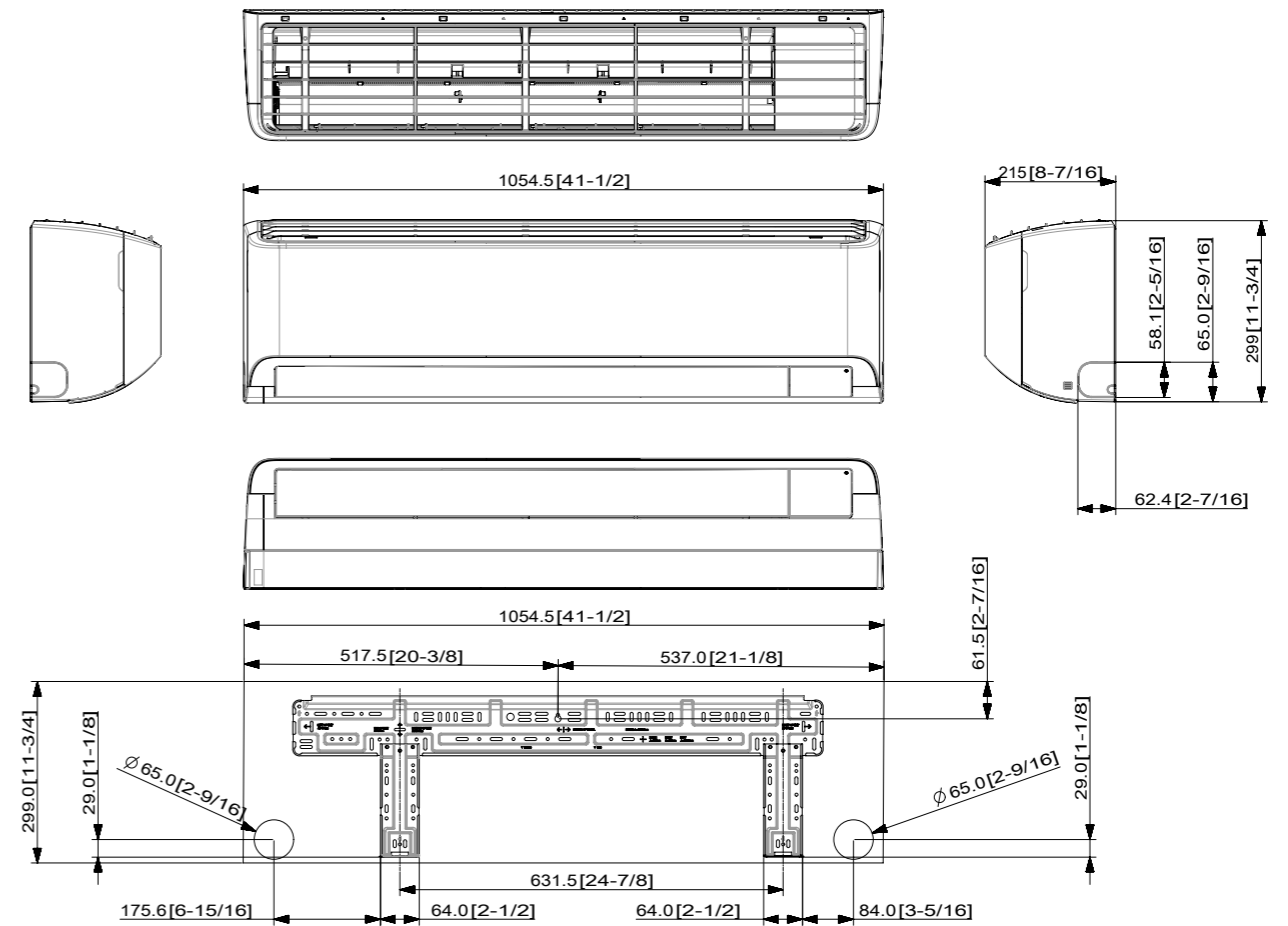
AR07/09/12TXHZAWKNEU

Units: mm [inches]



AR18/24TXHZAWKNEU

Units: mm [inches]



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	dB(A)	49	49	49	53	55
Sound Pressure	H/M/L	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
	Heating	W	19	19	19	22
Current Input	Cooling	A	0.51	0.51	0.51	0.52
	Heating	A	0.51	0.51	0.51	0.52
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
	Gas Pipe	ø, inch	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)
Others						
Panel	Model Code		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
	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

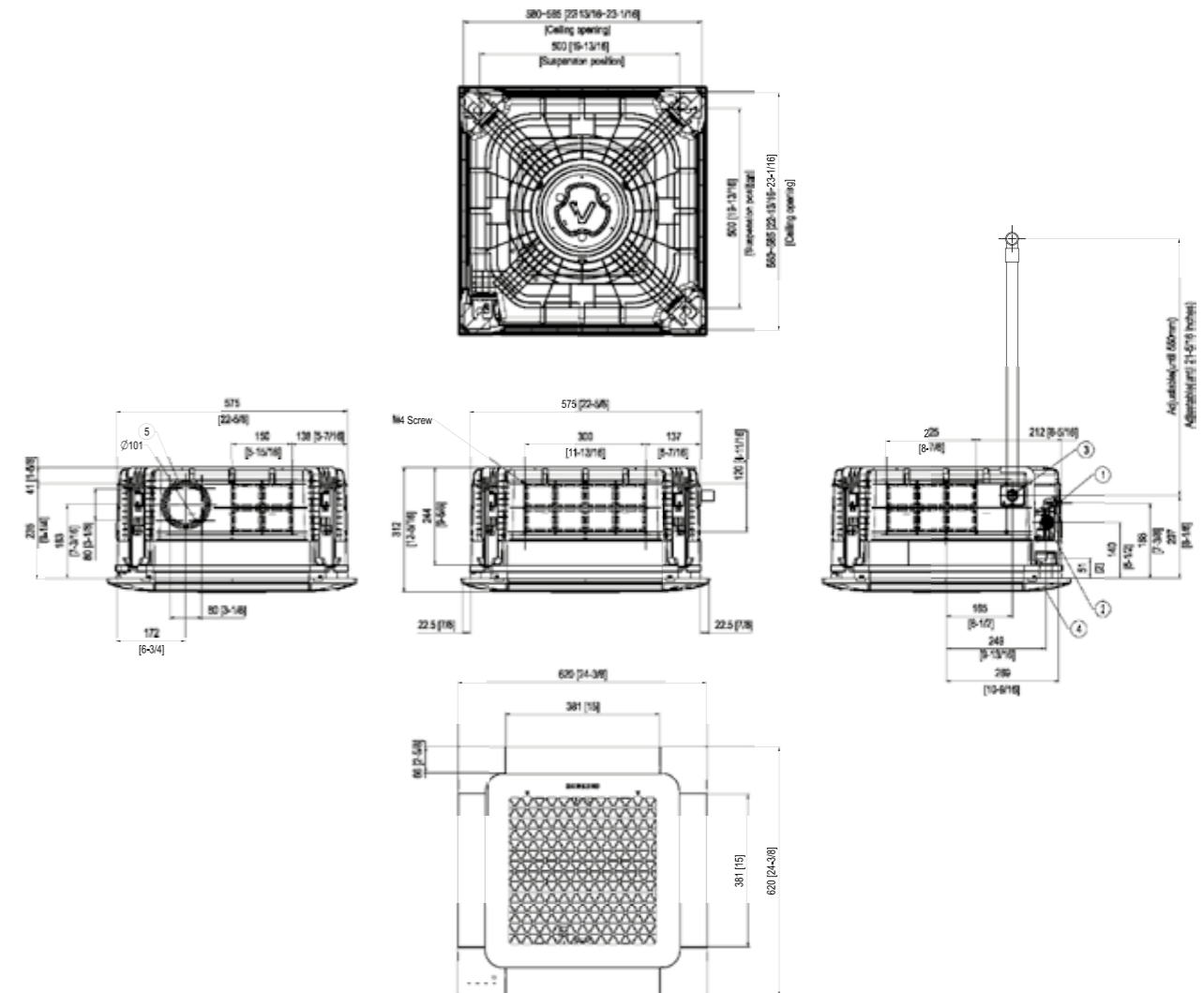


Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Panel (Required)	Motion Detect Sensor
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	PC4SUFMAN	MCR-SMD

Dimensional drawings

WindFree™ 4-Way 600 x 600 Cassette

AJ016/020/026/035/052TNNDKG/EU Units: mm [inches]



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)			ø12.70 (1/2)	
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	m ³ /min	6.2/5.2/4.2	7.6/6.6/5.6
Sound Power	dB(A)	50	55
Sound Pressure	H/M/L	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
	Heating	W	45
Current Input	Cooling	A	0.23
	Heating	A	0.23
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
	Gas Pipe	ø, inch	3/8
Piping Connections	Drain Pipe	ø, mm	VP20 (OD 26, ID 20)
Others			
Panel	Model Code		PC1NWFMAN
	Net Dimensions (W x H x D)	mm	1,198 x 135 x 500
	Net Weight	kg	4.3
Accessories	Drain Pump		Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24

Accessories



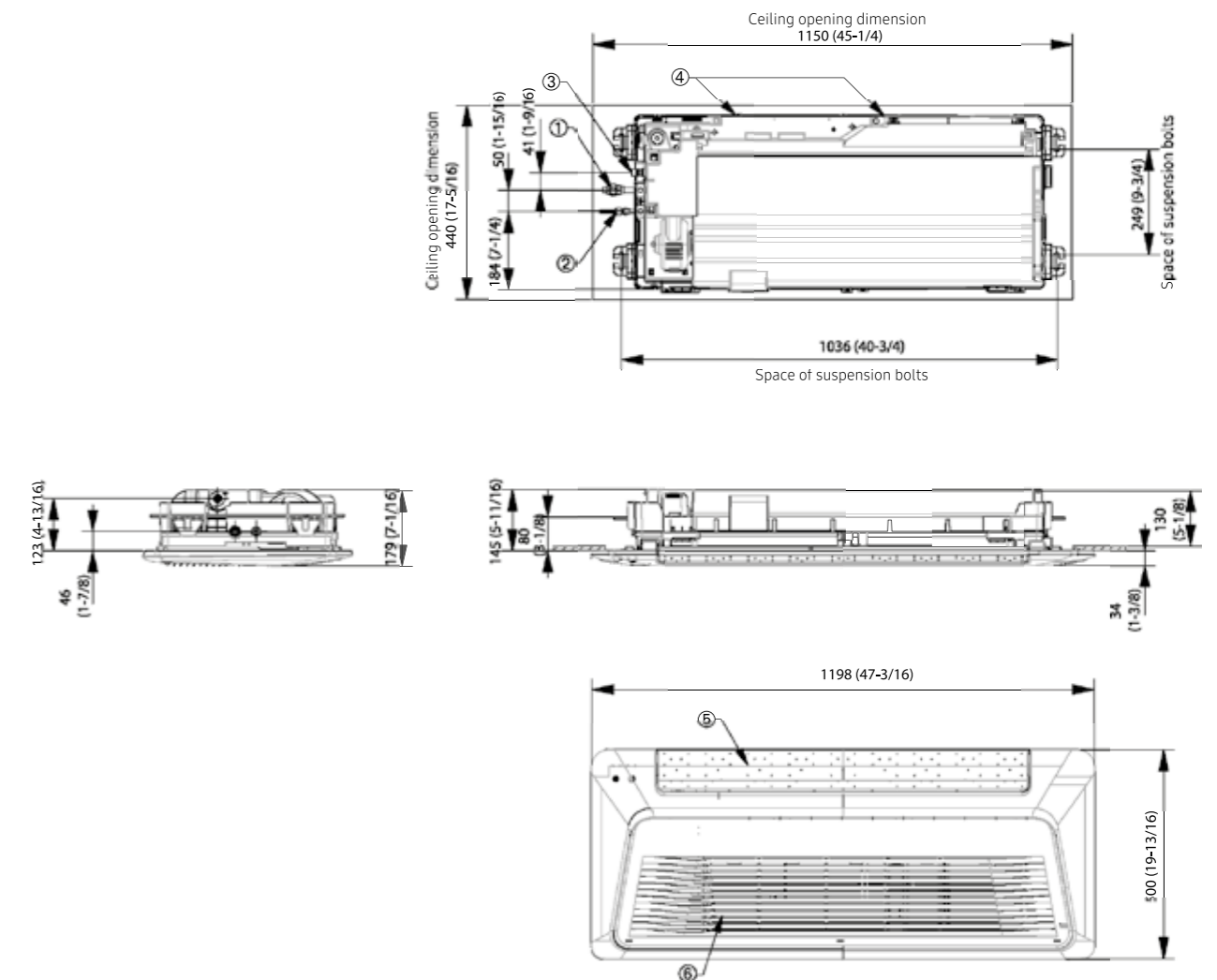
Wireless Remote Controller	Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Panel (Required)
AR-EH03E	MWR-WG00JN/ MWR-WG00KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	PC1NWFMAN

Dimensional drawings

WindFree™ 1-Way Cassette

AJ026/035TN1DKG/EU

Units: mm [inches]



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 louvre	
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	m ³ /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-2075SZED
	Max. Lifting Height/ Displacement	mm / litres/h	750/24
	Air Filter		Removable/Washable

Accessories



Advanced Wired Controller
MWR-WG00JN/MWR-WG00KN



Simple Type Controller
MWR-SH00N



Touch Controller
MWR-SH11N



Wi-Fi Kit
MIM-H04EN



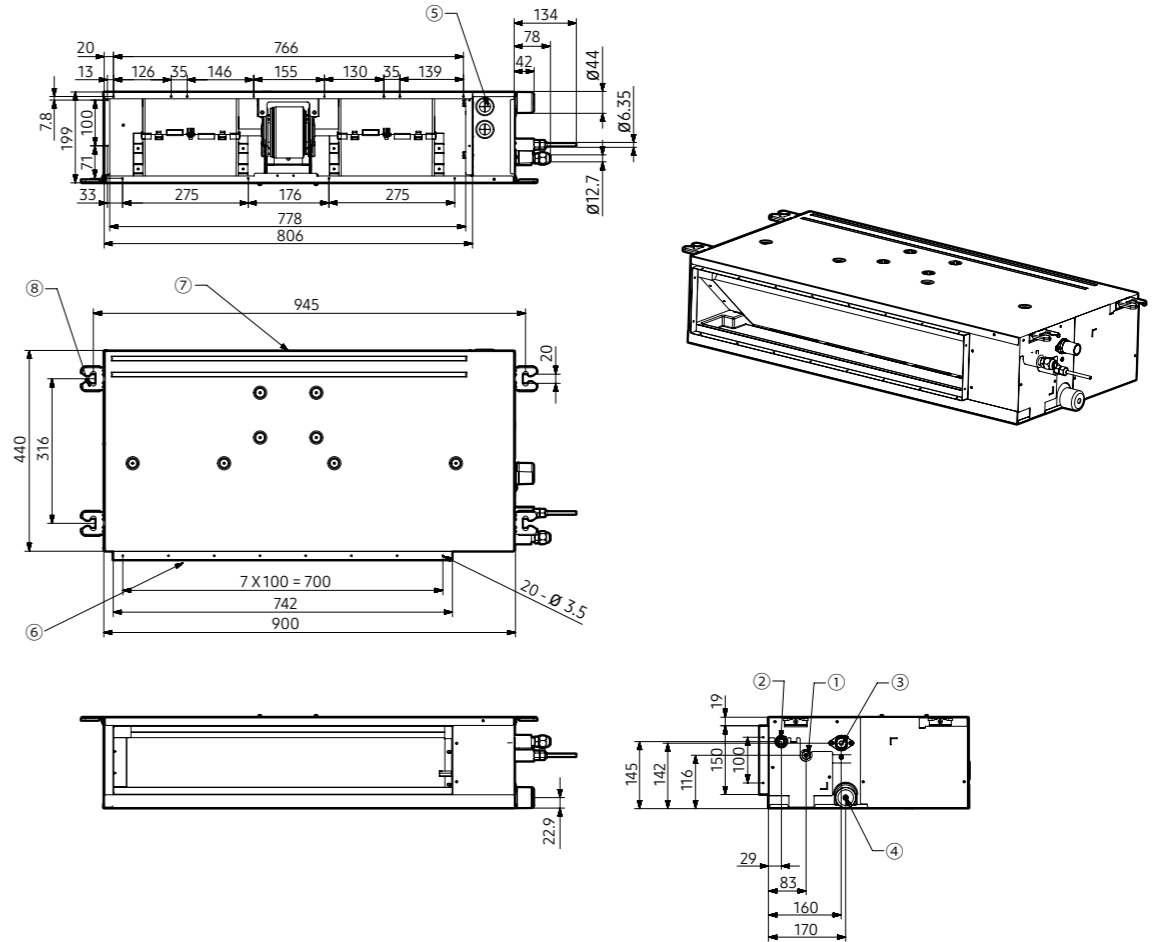
Drain pump (optional)
MDP-2075SZED

Dimensional drawings

MSP Duct

AJ052BNMDEG/EU

Units: mm [inches]



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.
- Long-life HD 40 permanent filter is included.
- Auto Restart function.
- 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 m ³ /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	1/4"	1/4"
	Gas Pipe	3/8"	3/8"
Piping Connections	Drain Pipe	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
	Air Filter	Removable/Washable	Removable/Washable

Accessories



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Simple Type Controller

MWR-SH00N



Touch Controller

MWR-SH11N



Wi-Fi Kit

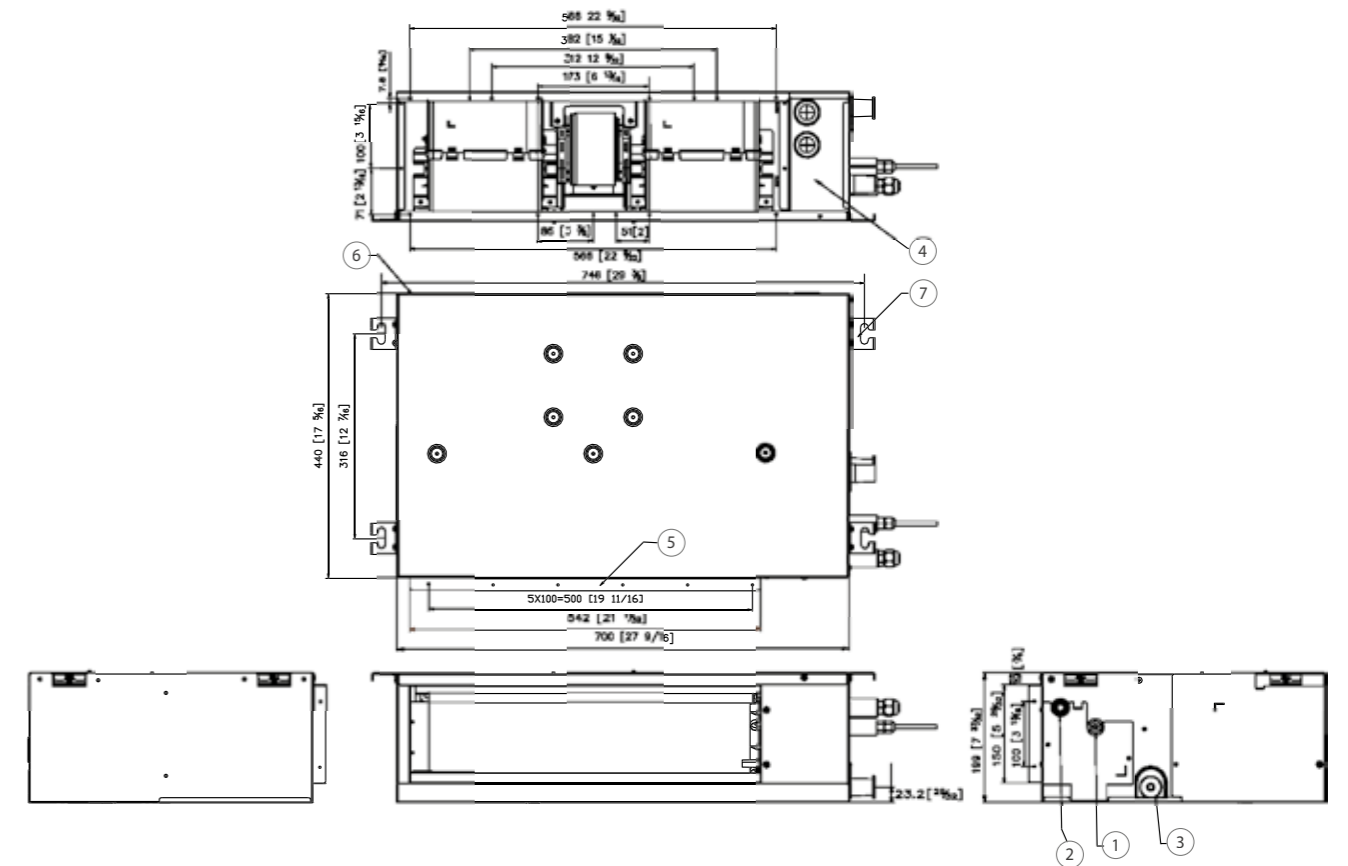
MIM-H04EN

Dimensional drawings

LSP Slim Duct with Drain Pump

AJ026/035TNLPEG/EU

Units: mm [inches]



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	m ³ /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
	Heating	W	30	35
Current Input	Cooling	A	0.25	0.29
	Heating	A	0.25	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
	Gas Pipe	ø, inch	3/8	3/8
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)

Accessories



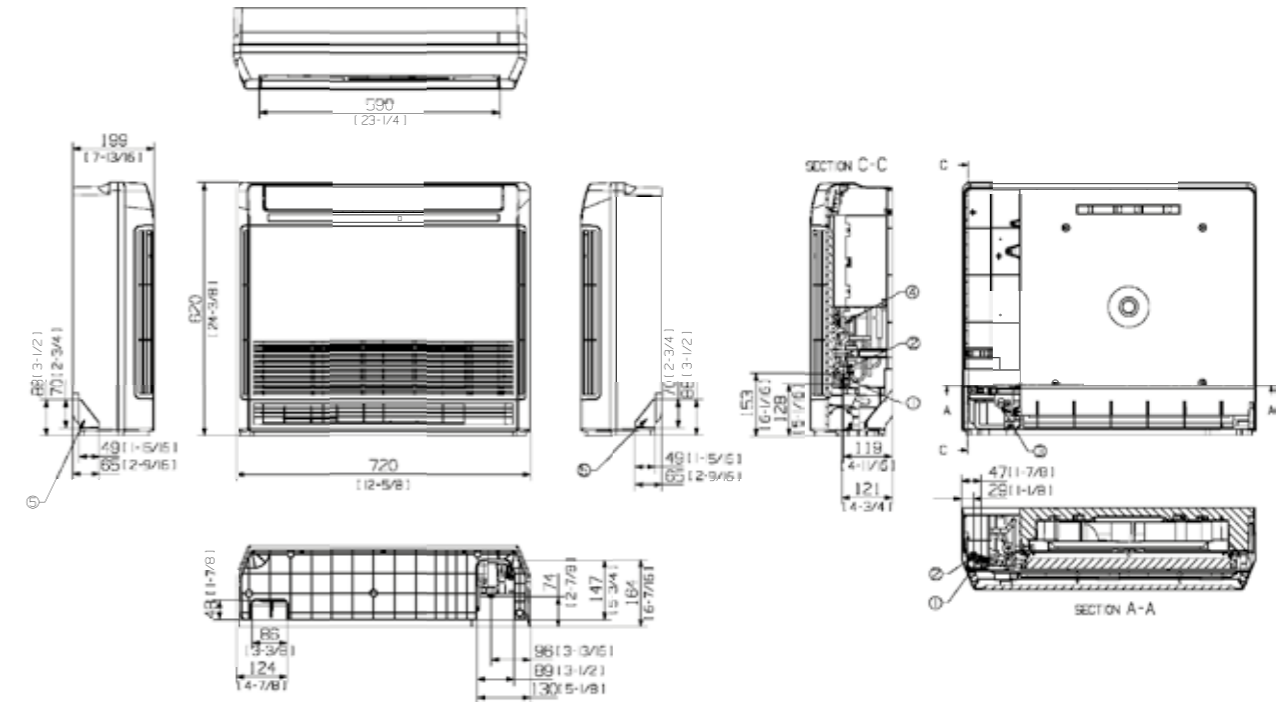
Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Remote controller (included)
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	AR-EH03E

Dimensional drawings

Console

AJ***TNJDKG/EU

Units: mm [inches]



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 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				
AJ040TXJ2KG 2Unit	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	P design kW	Qhe kWh
			W		W			W			A							
			A	B	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					
AJ040TXJ2KG 2Unit	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

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.

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 2Unit	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 COP ¹	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 2Unit	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	1,70	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	1,70	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

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The above is the value for connecting with the following indoor units. Wind Free™ Elite: AR07TXCAAWK, AR09TXCAAWK, AR12TXCAAWK.
You cannot connect a single unit.
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 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					MIN
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
	3 Unit	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
		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 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						MIN
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
	3 Unit	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
		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

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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					MIN	STD
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	2,500	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												

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			2,030	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		2,030	2,030	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	2,030	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	2,030	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		
4 Unit	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		
	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						MIN
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											

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 EER	Seasonal Efficiency (According to EN14825) Class	SEER	Qce kWh
						W					W			W			A						
						A	B	C	D	E	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX				
AJ100TXJ5KG	2 Unit	7	7				2,000	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 EER	Seasonal Efficiency (According to EN14825) Class	SEER	Qce kWh	
						W					W			W			A							
						A	B	C	D	E	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					MIN
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																					

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 EER	Seasonal Efficiency (According to EN14825) Class	SEER	Qce 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	1900	1900	1900	1900	1900	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	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	3,240	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	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 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	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																					

Combination guide

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	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	1,690	1,690	1,730	3,140	1,690	10,470	11,470	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																



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	●	●	●	●



	LSP Duct	MSP Duct	HSP Duct
	●	●	
	Optional	Optional	Optional
	Optional	Optional	Optional
	Optional	Optional	Optional



Model		WindFree™ Deluxe	Max Wall-Mounted	Console	Ceiling	Floor-Standing
Airflow	WindFree™ Cooling	●				
	360 Degree Air Supply					
Air Purification	Long-life Filter	●	●	●	●	●
Functions	Samsung SmartThings	Optional	Optional	Optional	Optional	Optional
	Wi-Fi Kit Compatibility	Optional	Optional	Optional	Optional	Optional
	Humidity Sensor					
	MDS (Motion Detect Sensor)					
Operating Mode	Quiet					●
Controls	Remote Controller Included	●		●	● ²	
Others	Drain Pump Included					

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.



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 - Indoor 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	x1000 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
		7	10	12	14
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				
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	71	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	17.5/15.9/14.3	31.2/25.5/19.8	32.5/25.5/19.8	32.4/27.1/22.8
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 998 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
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
Refrigerant	Factory Charging	kg	1.7/15 m	2.7/30 m	2.7/30 m	2.9/30 m
	Charging Ton Equivalent CO ₂	tCO ₂ e	1.15	1.82	1.82	1.96
	Additional Refrigerant Charging	g/m	25	50	50	50



		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
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	3/8	3/8
	Gas Pipe	ø, inch	5/8	5/8	5/8	5/8
Piping Length	Min/Max	m	3/50	50	50	75
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	1,050 x 66 x 1,050	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	2.7
	Accessories	Drain Pump		Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24

Accessory

Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-KH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300BN	MIM-D01AN
BACnet/Lonworks/PIM	ON/OFF Controller	Modbus Module	Wi-Fi Kit	External Thermostat	Motion Detect Sensor only 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

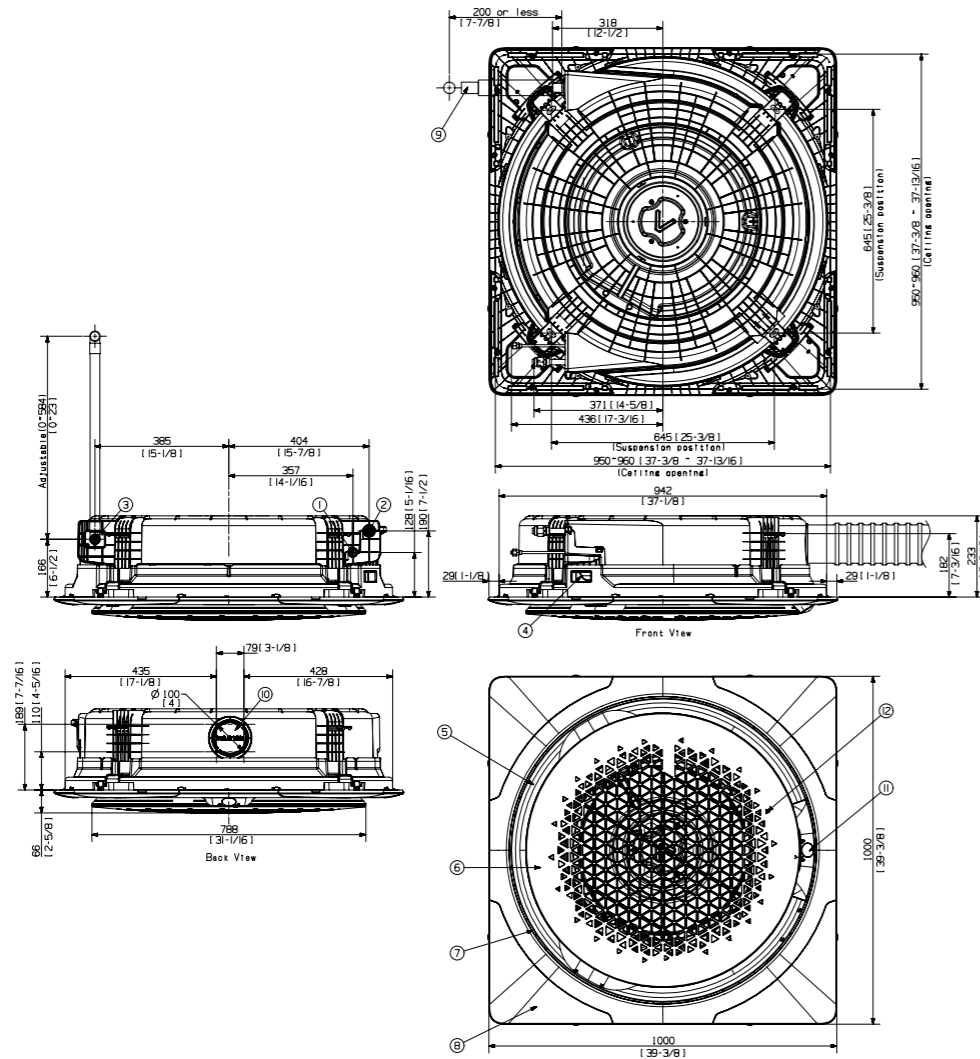
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

360 Cassette (square) R32

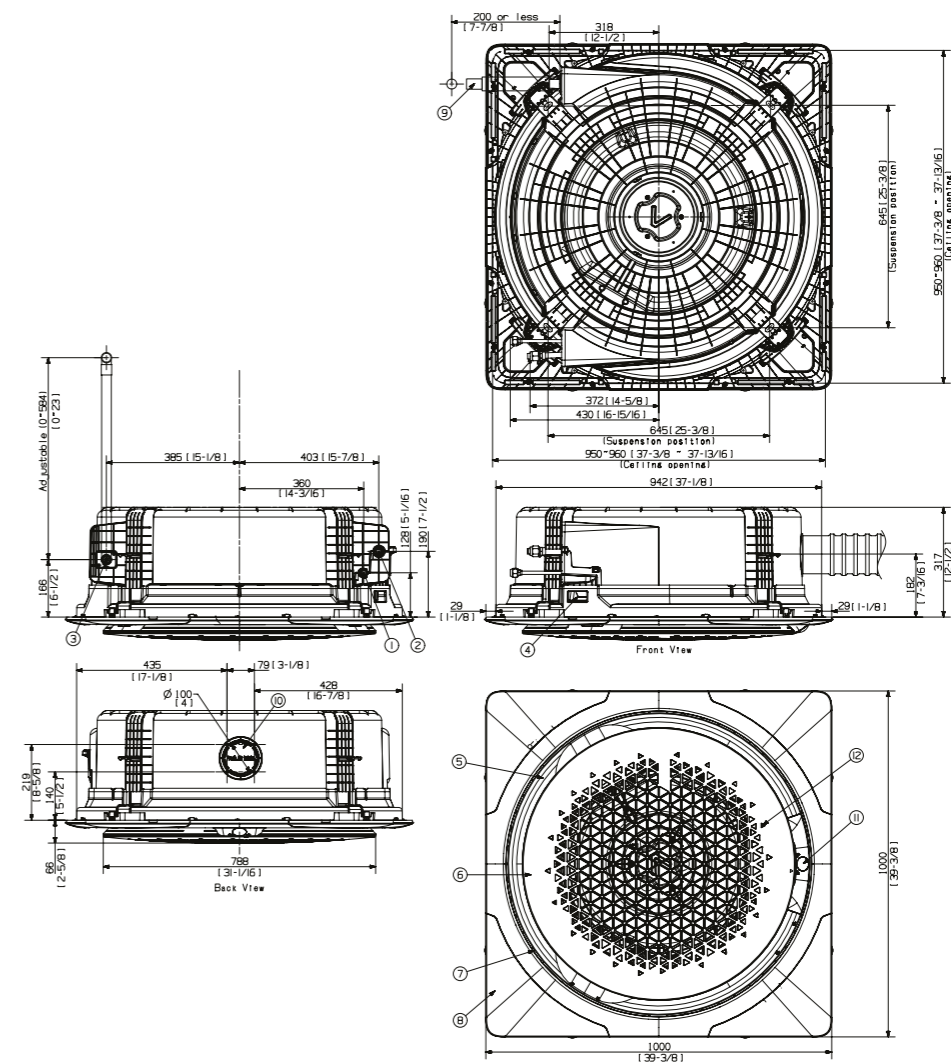
AC071*N4PK*/EU

Units: mm [inches]



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	

AC100/120/140*N4PK*/EU



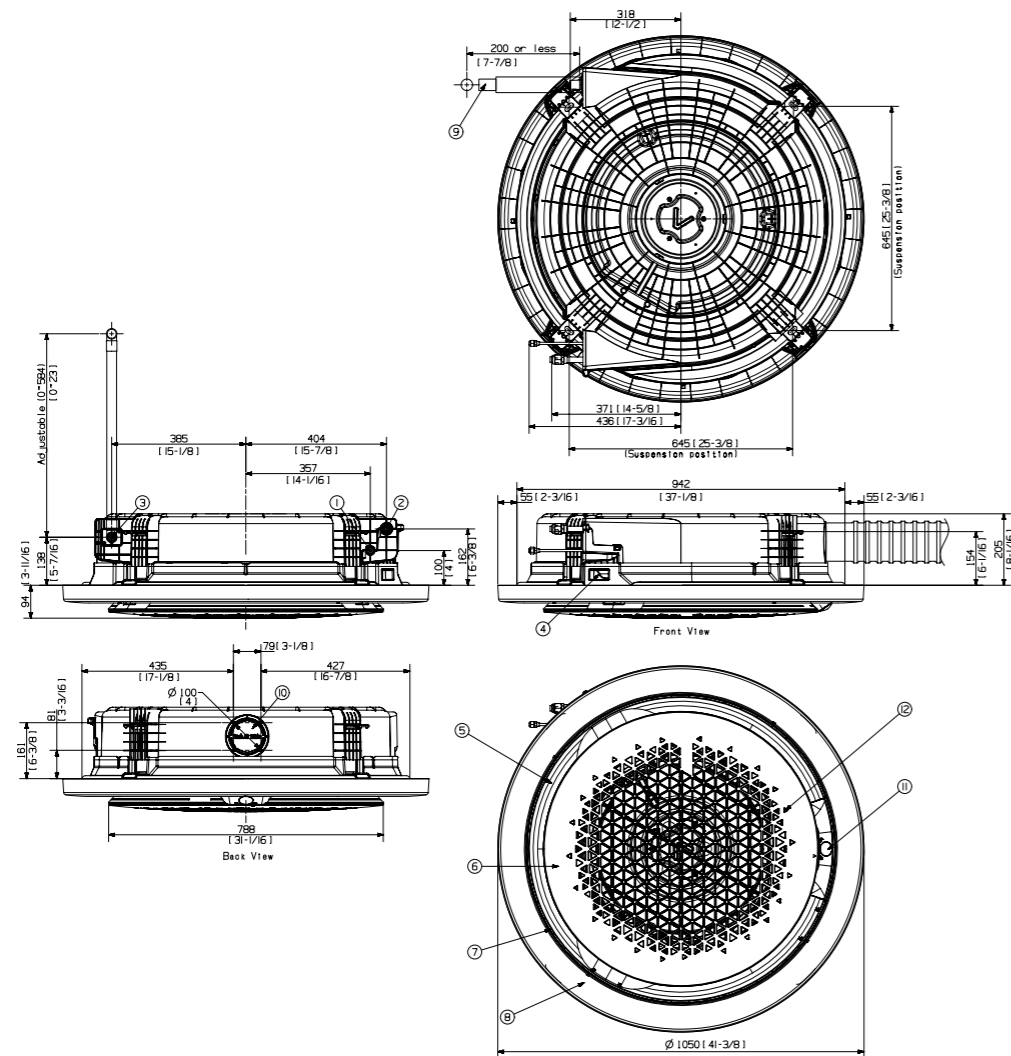
NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external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

Dimensional drawings

360 Cassette (circle) R32

AC071*N4PK*/EU

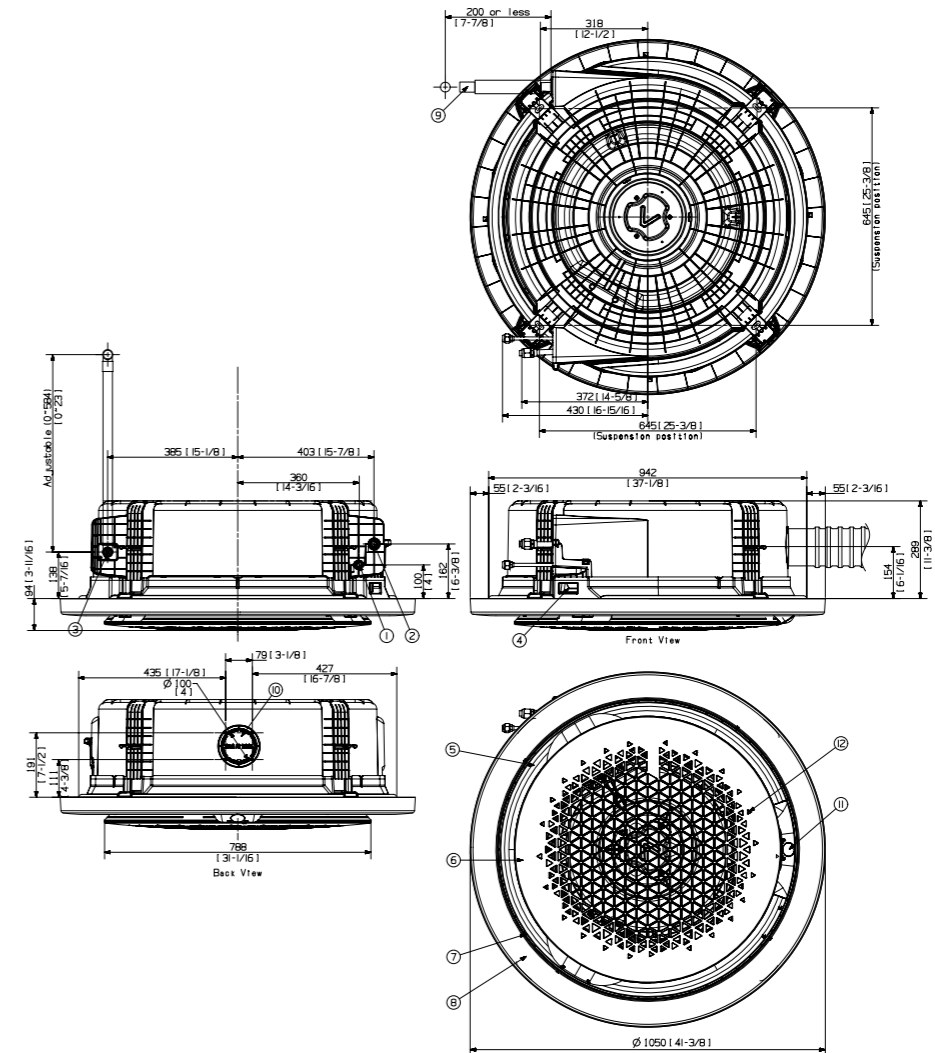
Units: mm [inches]



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	

AC100/120/140*N4PK*/EU

Units: mm [inches]



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	

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	AC052BN6PKG/EU	AC071BN6PKG/EU	AC100BN6PKG/EU	AC120BN6PKG/EU	AC140BN6PKG/EU
		Outdoor Unit - Mono-Phase	AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	-	-
		Outdoor Unit - Tri-Phase	-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/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	-	-
		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	3.5/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	1.15	1.82	2.36	2.36	2.36
	Additional Refrigerant Charging	g/m					
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	3/8	3/8	3/8
	Gas Pipe	ø, inch	1/2	5/8	5/8	5/8	5/8
Piping Length	Min/Max	m	5 / 50	5 / 55	5 / 85	5 / 85	5 / 85
Piping Height	Max	m	30	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)
Others							
Panel	Model Code		PC4NUNMAN PC4NBNMAN PC4NUDMAN PC4NBDMAN	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	ø1,050 x 94
	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

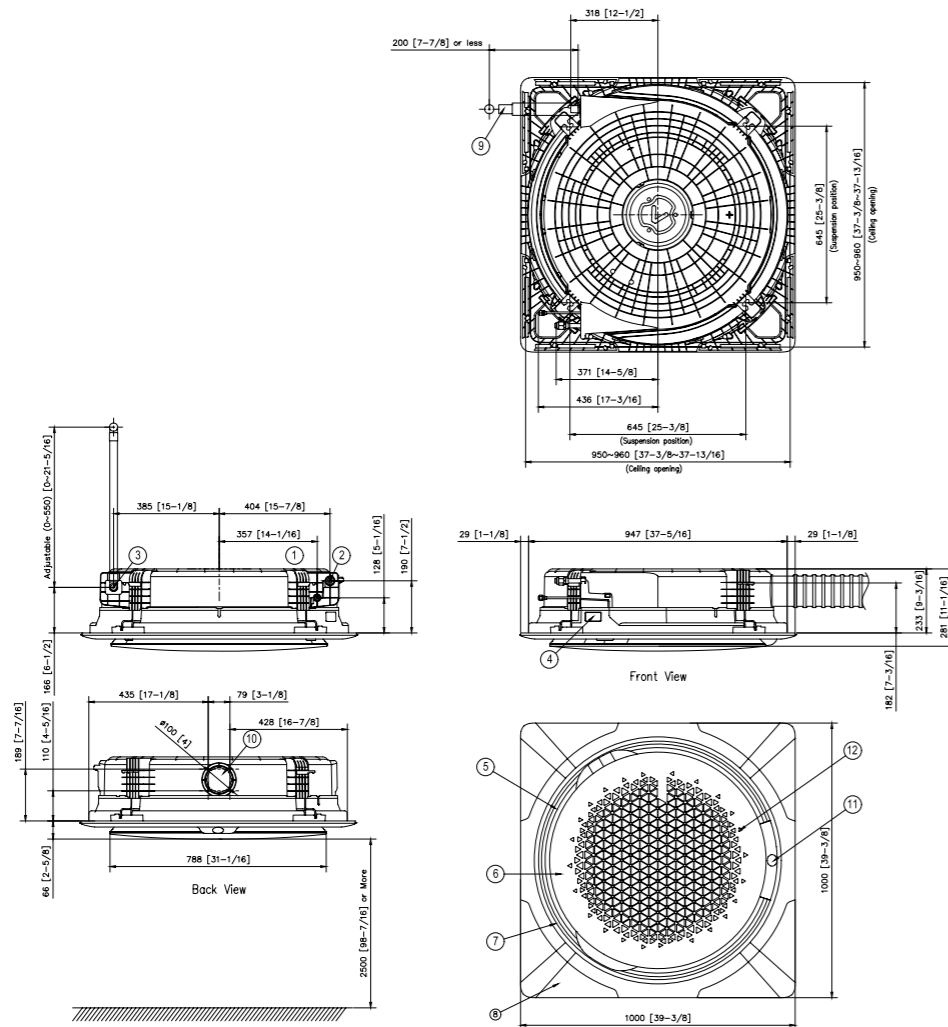
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-KH04E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300BN	MIM-D01AN
BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	Single Wifi-Kit	External Thermostat	Motion Detect Sensor only 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

Specifications

360 Cassette (square) HEE R32

AC052BN6PKG/EU

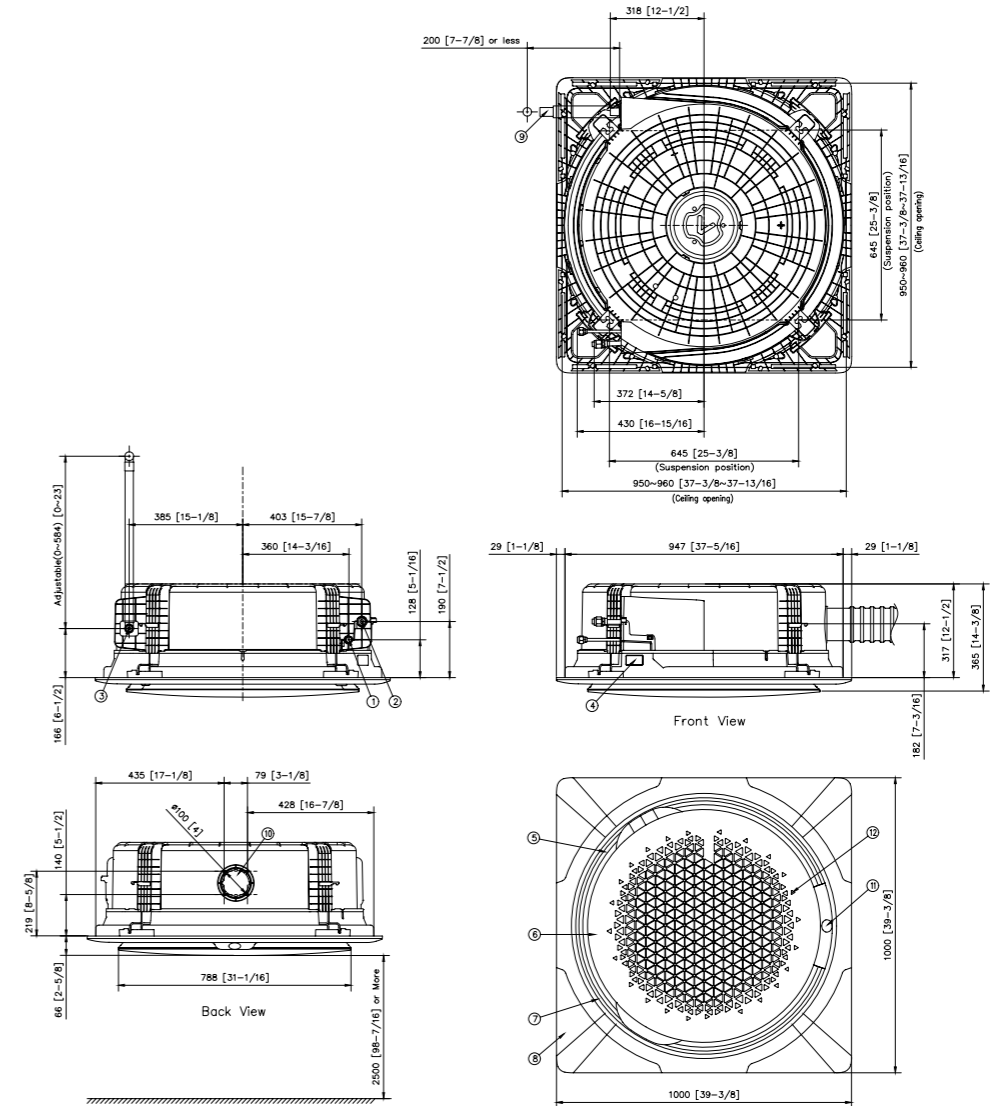
Units: mm [inches]



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	

AC071/100/120/140BN6PKG/EU

Units: mm [inches]



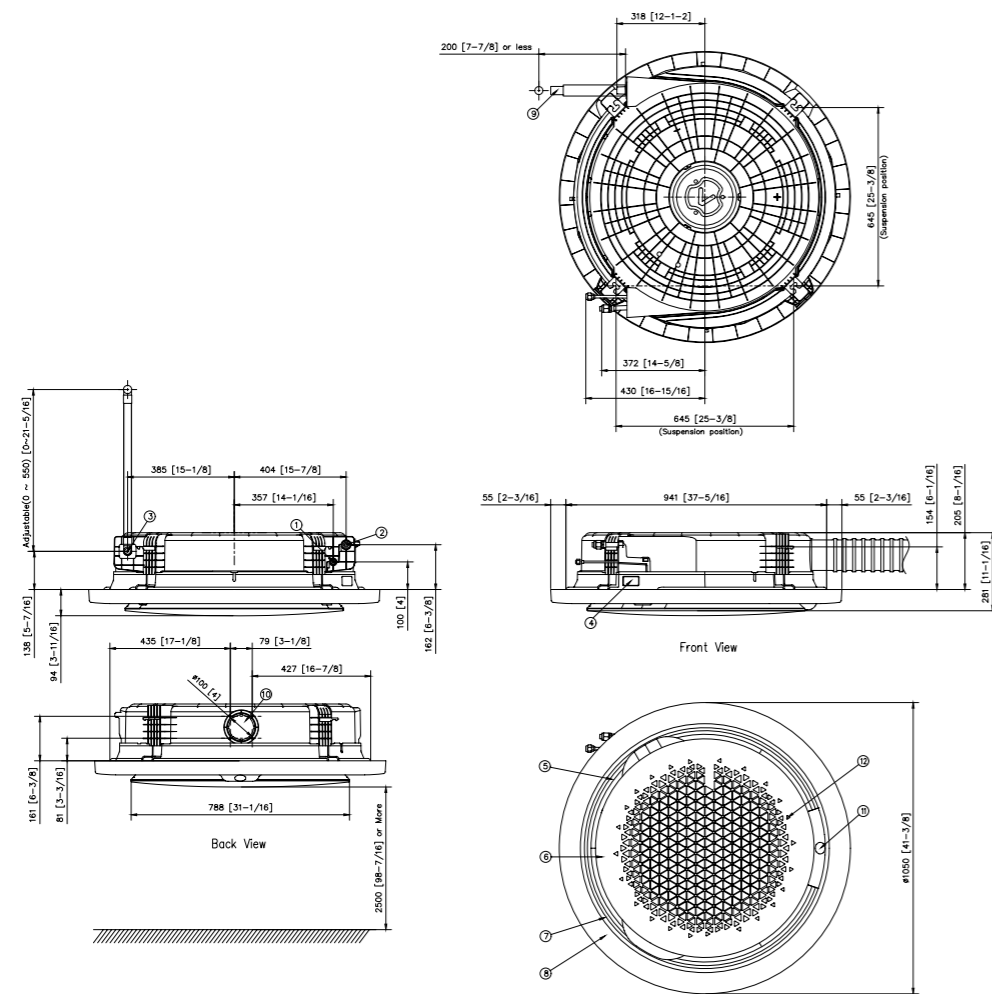
NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Discharge opening	
6	Air suction grille	
7	Suction rim for Booster fan	
8	Decoration cover	
9	Drain hose(Accessory)	
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

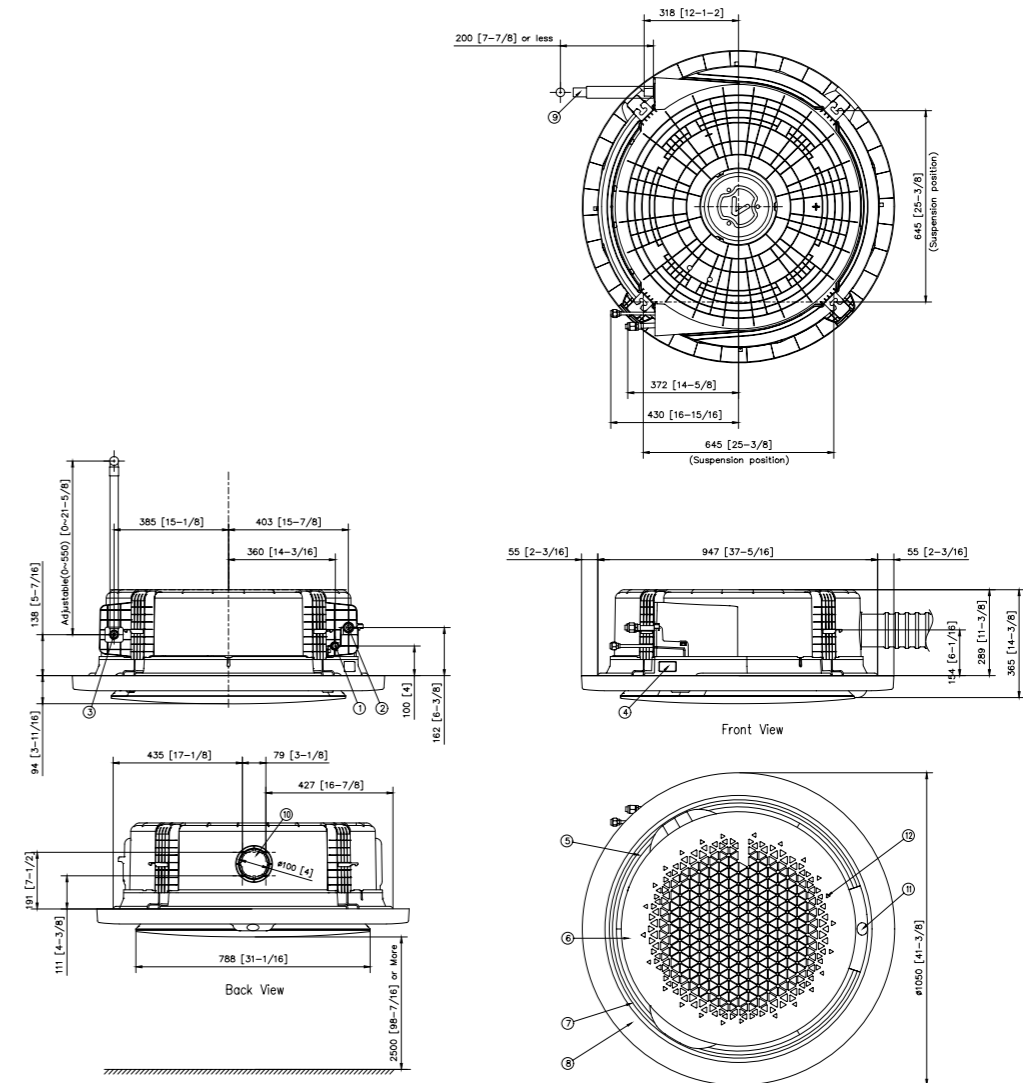
Units: mm [inches]



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	

AC071/100/120/140BN6PKG/EU

Units: mm [inches]



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	AC026RNNDKG/EU	AC035RNNDKG/EU	AC052RNNDKG/EU	AC071RNNDKG/EU
		Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-	-	-
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++	6.7/ A++
	Power Consumption	kWh/a	128	175	261	390
	Pdesignc	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
	Pdesignh (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	AC026RNNDKG/EU	AC035RNNDKG/EU	AC052RNNDKG/EU	AC071RNNDKG/EU
		Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-	-	-
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	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	ID 18	ID 18	ID 18	ID 18
Others						
Panel	Model Code		PC4SUFMAN	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	620 x 46 x 620
	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-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300BN	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					

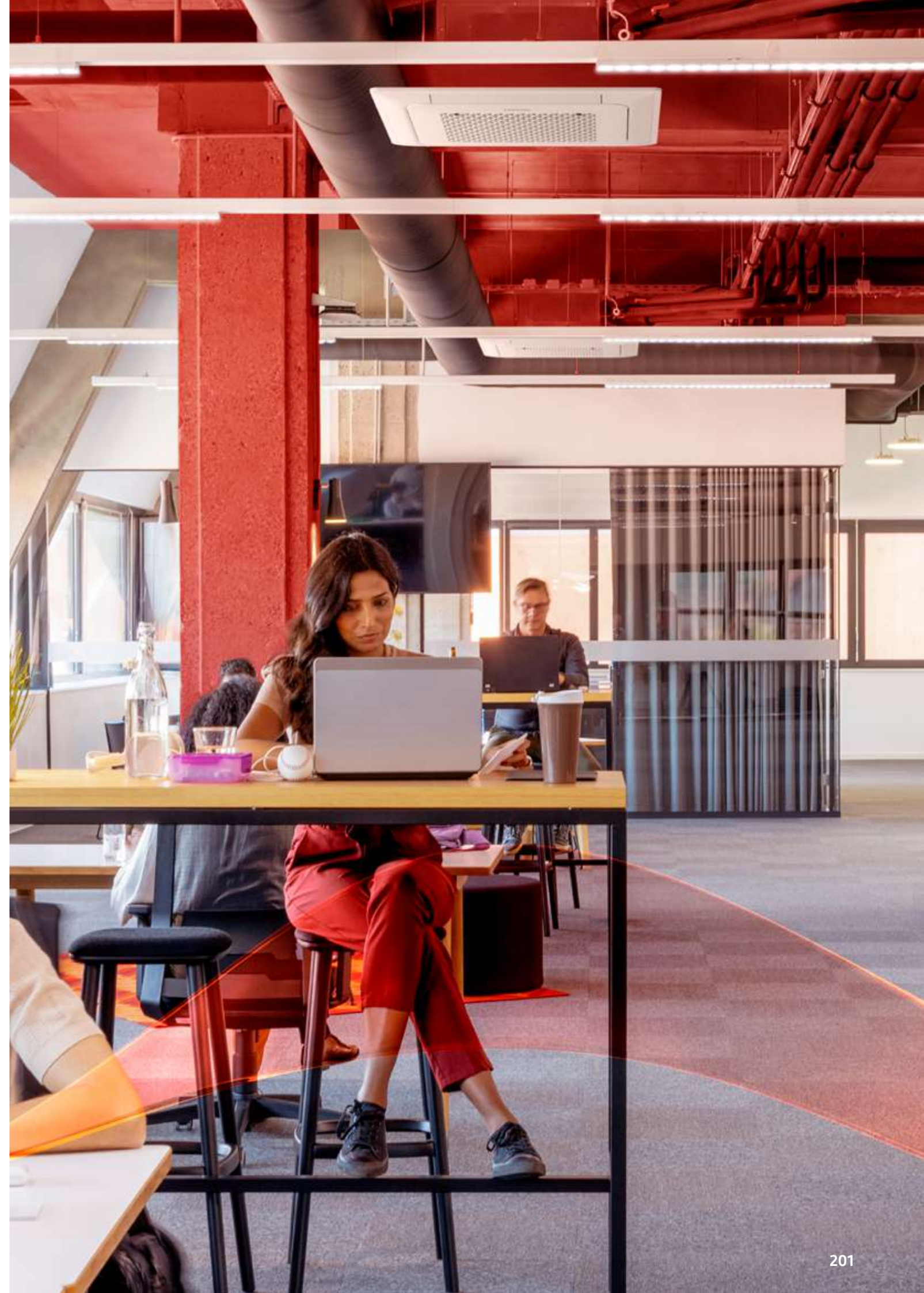
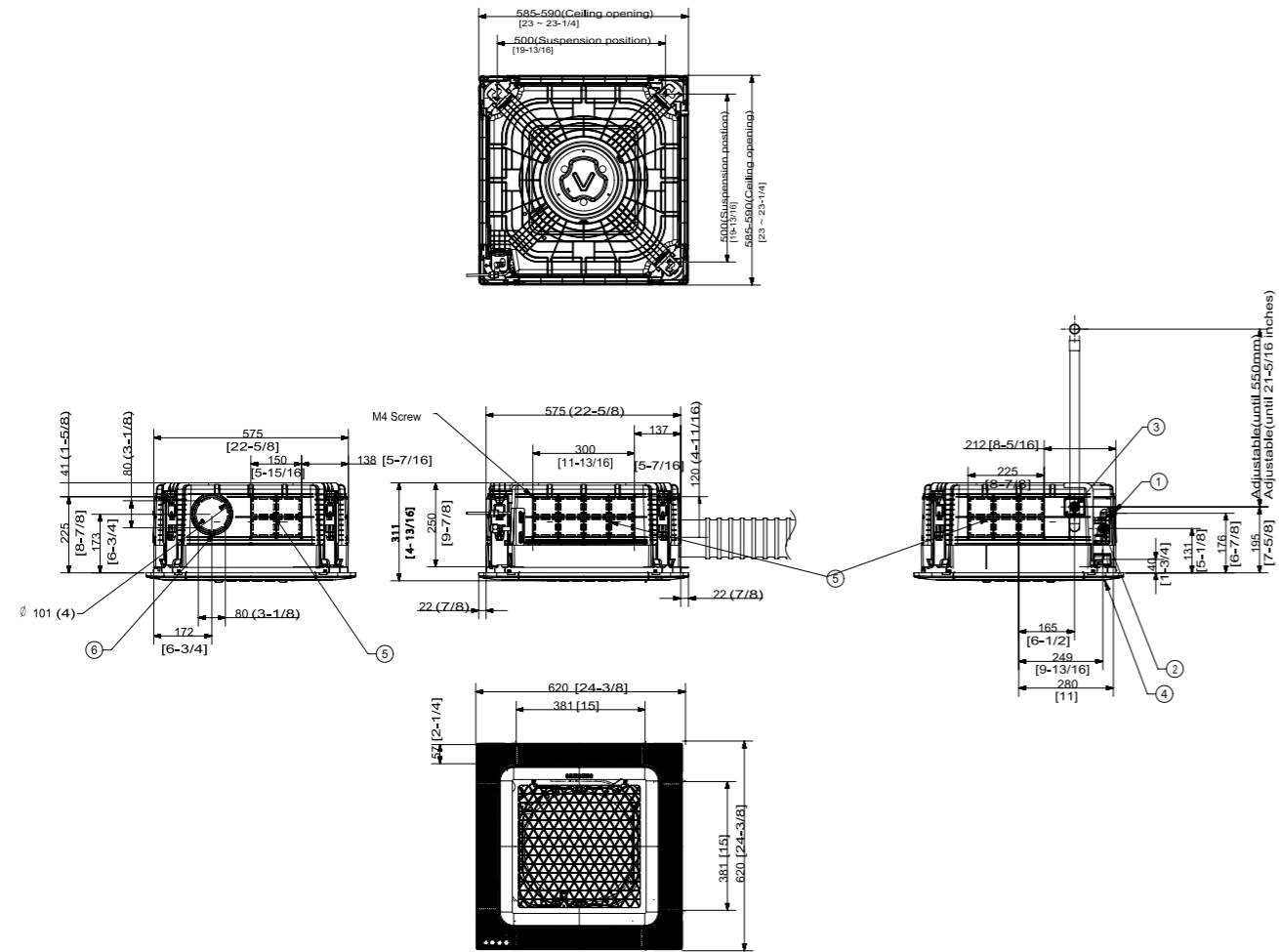
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

WindFree™ 4-Way 600 x 600 Cassette (R32)

AC026/035/052/060/071*NNDK*/EU

Units: mm [inches]



Specifications

WindFree™ 4-Way 600 x 600 Cassette HEE 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).
- 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		AC026BNNPKG/EU	AC035BNNPKG/EU	AC052BNNPKG/EU	
Outdoor Unit - Mono-Phase		AC026BXAPKG/EU	AC035BXAPKG/EU	AC052BXAPKG/EU	
Outdoor Unit - Tri-Phase		-	-	-	
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
	Pdesignc	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
	Pdesignh (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	1.2/20 m	1.7/20 m	
Charging Ton equivalent CO ₂	tCO ₂ e	0.81	0.81	1.15	
Additional Refrigerant Charging	g/m	-	-	-	
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	5/30	5/30	5 / 50
Piping Height	Max	m	20	20	20
Piping Connections	Drain Pipe	ø, mm	VP 25 (OD32, ID25)	VP 25 (OD32, ID25)	VP 25 (OD32, ID25)
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-EH04E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/MWR-WG00KN	MCM-A300BN	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	PC4SUFMAN				

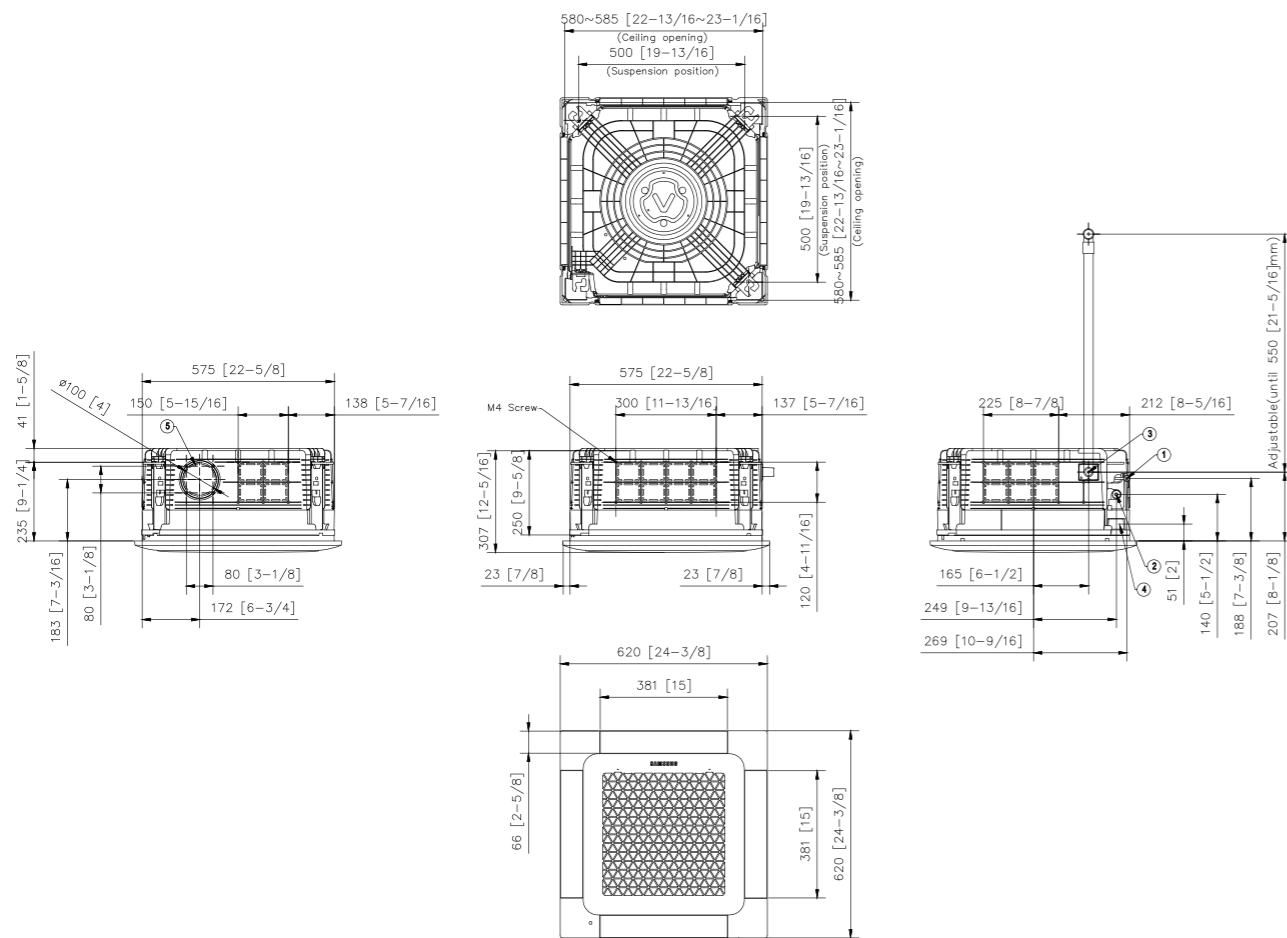
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

WindFree™ 4-Way 600 x 600 Cassette HEE R32

AC026/035/052BNNPKG/EU

Units: mm [inches]



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	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
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/ A++	6.7/ A++	7.0/ A++	6.0/ A+	6.6
	Power Consumption	kWh/a	230	371	500	700	-
	Pdesignc	kW	5.0	7.1	10.0	12	-
	EER	W/W	3.50	2.98	2.92	2.60	2.9
Energy Efficiency Heating	SCOP ¹	W/W	4.3/ A+	4.2/ A+	4.3/ A++	4.0/ A+	4.3
	Power Consumption	kWh/a	847	1,500	1,726	2,275	-
	Pdesignh (average)	kW	2.60	4.50	5.30	6.5	-
	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 288 x 840	840 x 288 x 840	840 x 288 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	18.0	18.0	20.0
	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	2.9/30 m
	Charging Ton equivalent CO ₂	tCO ₂ e	0.81	1.15	1.82	1.82	1.96
	Additional Refrigerant Charging	g/m	15	25	50	50	50
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	3/8	3/8	3/8
	Gas Pipe	ø, inch	1/2	5/8	5/8	5/8	5/8
Piping Length	Min/Max	m	3/30	3/50	50	50	75
Piping Height	Max	m	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)
Others							
Panel	Model Code		PC4NUFMAN	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	950 x 48 x 950
	Net Weight	kg	6.3	6.3	6.3	6.3	6.3
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

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-A300BN
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

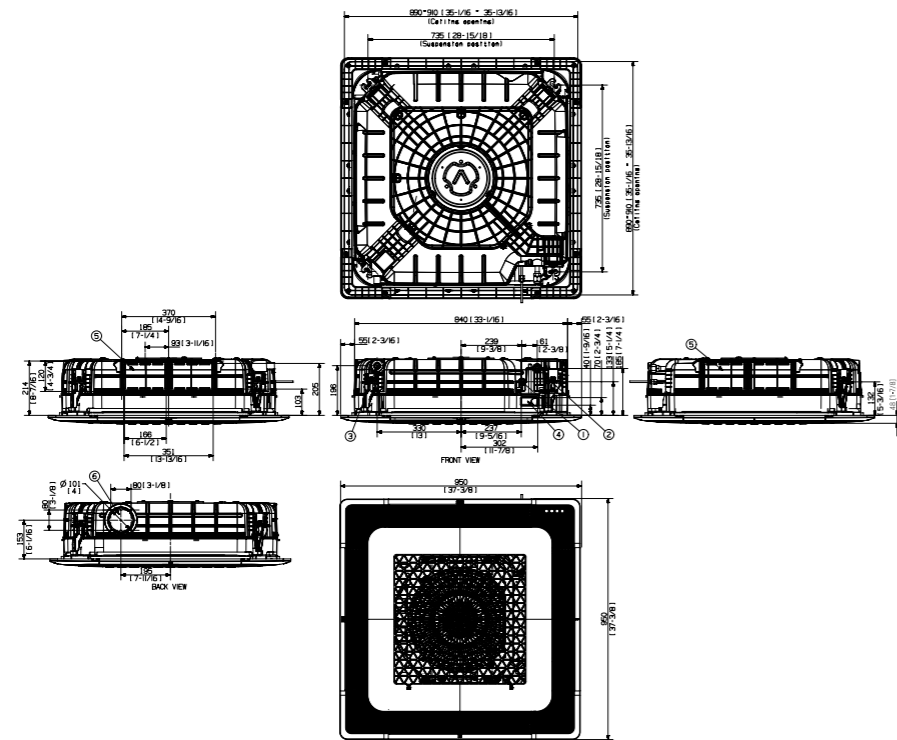
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

WindFree™ 4-Way Cassette R32

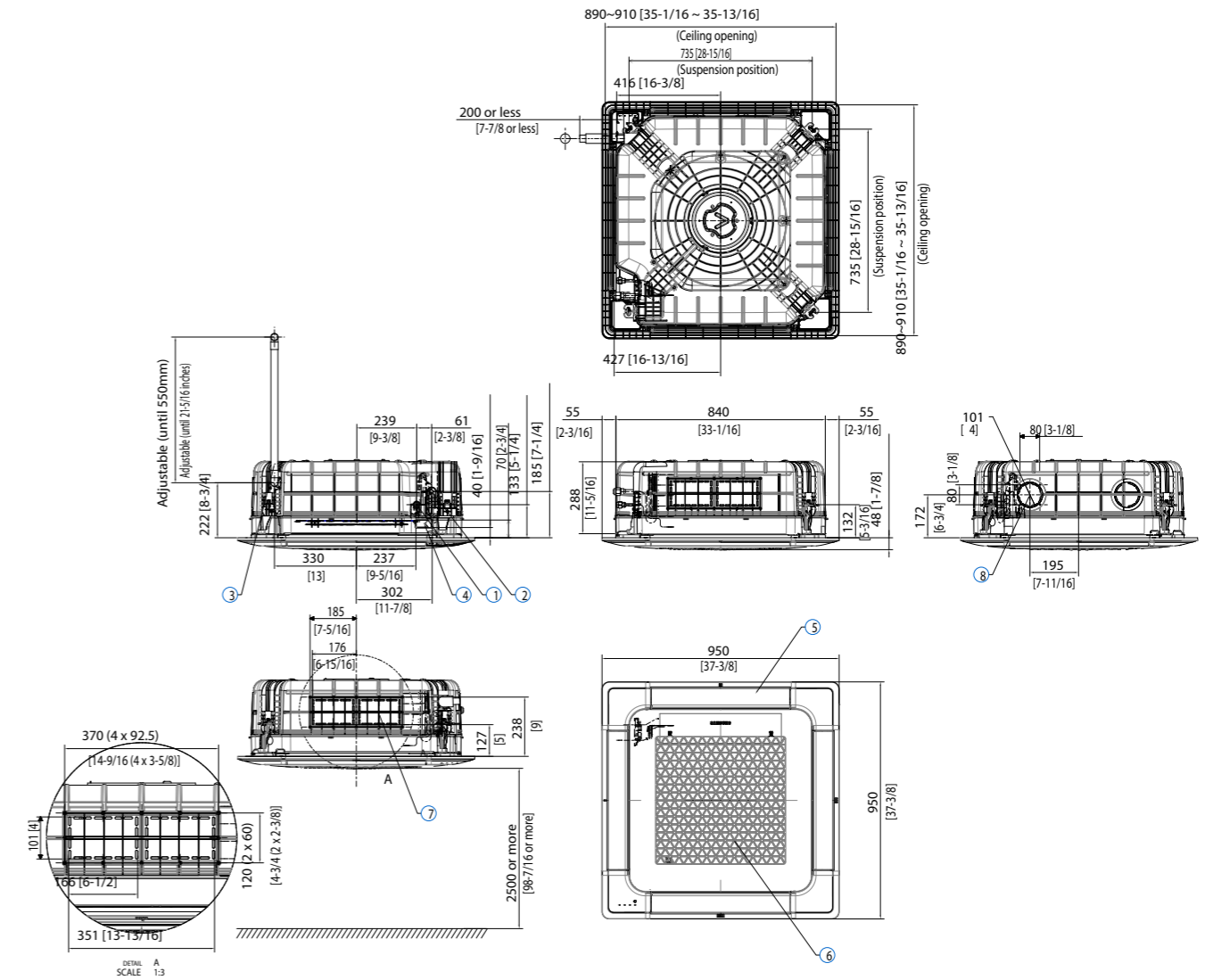
AC052RN4DKG/EU

Units: mm [inches]



AC052RN4DKG/EU; AC071RN4DKG/EU

Units: mm [inches]



NO	Name	Description
1	Gas pipe connection	
2	Liquid pipe connection	
3	Drain pipe connection	VP25(OD32, ID25)
4	Conduit for power supply & communication wiring	
5	Air inlet grille	
6	Air outlet louver	
7	Sub-duct	* The sub duct is not applicable to Wind-Free Panel
8	Fresh air intake	

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	-	-	
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++	
	Power Consumption	kWh/a	206	292	438	-	
	Pdesignc	kW	5.0	7.1	10	12.1	13.4
Energy Efficiency Heating	EER	W/W	4.31	4.33	4.26	4.28	4.06
	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

Limited quantity, availability for the full year can not be guaranteed



Indoor Unit		AC052BN4PKG/EU	AC071BN4PKG/EU	AC100BN4PKG/EU	AC120BN4PKG/EU	AC140BN4PKG/EU
Outdoor Unit - Mono-Phase		AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/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	3.5/30 m
Charging Ton equivalent CO ₂	tCO ₂ e	1.15	1.82	2.36	2.36	2.36
Additional Refrigerant Charging	g/m	-	-	-	-	-
Piping Connections	Liquid Pipe	φ, inch	1/4	3/8	3/8	3/8
	Gas Pipe	φ, 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	φ, 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	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	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-A300BN
				
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

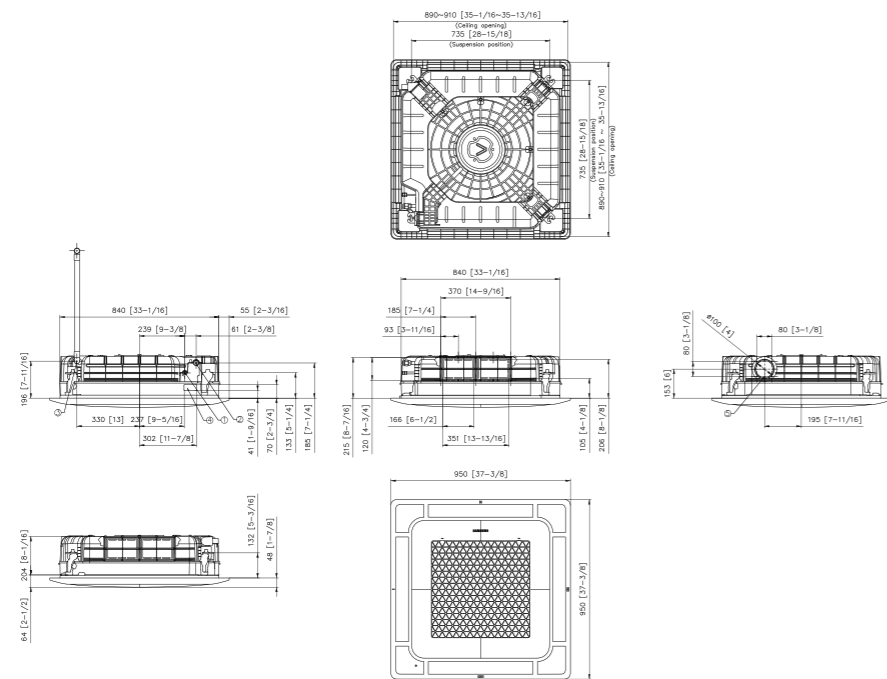
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

WindFree™ 4-Way Cassette HEE R32

AC052BN4PKG/EU

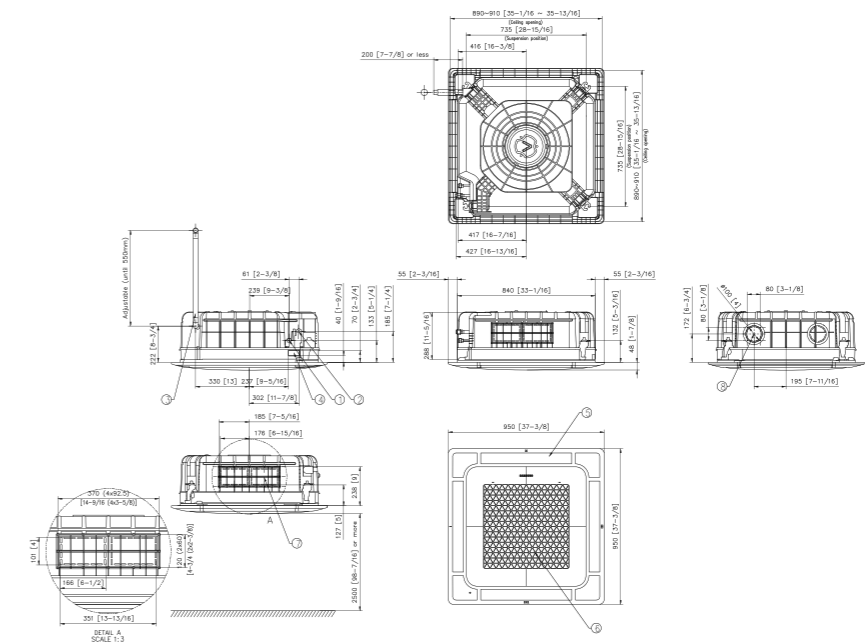
Units: mm [inches]



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

AC071/100/120/140BN4PKG/EU

Units: mm [inches]



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	AC026RN1DKG/EU	AC035RN1DKG/EU
		Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-
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/ A++	6.2/ A+
	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/ A+	4.0/ A+
	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)	m ³ /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	AC026RN1DKG/EU	AC035RN1DKG/EU
		Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-
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-A300BN
				
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	PC1NWCMAN			

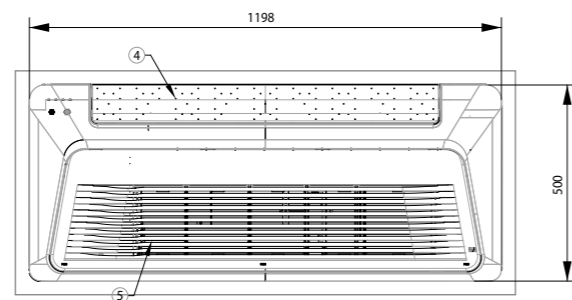
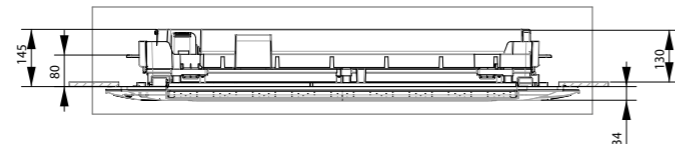
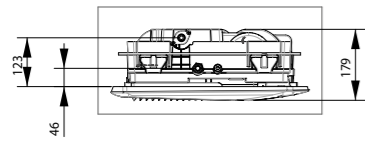
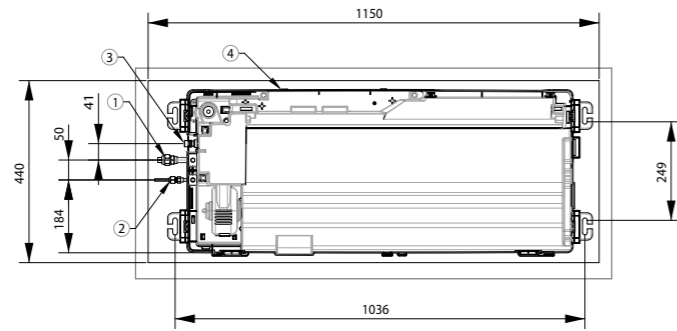
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

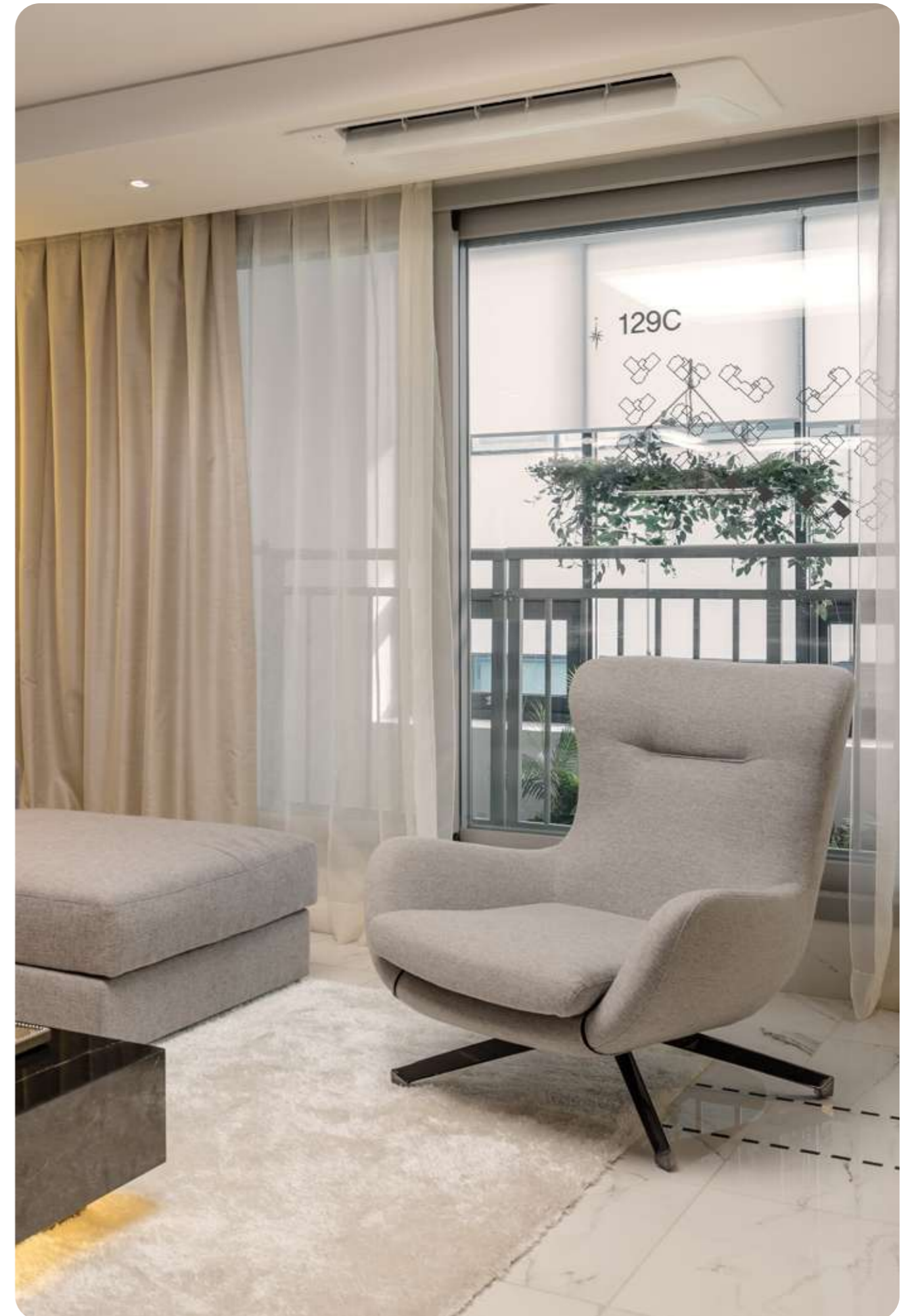
WindFree™ 1-Way Cassette R32

AC026/035MN1DKH/EU

Units: mm [inches]



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



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	-	-
		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)	m ³ /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

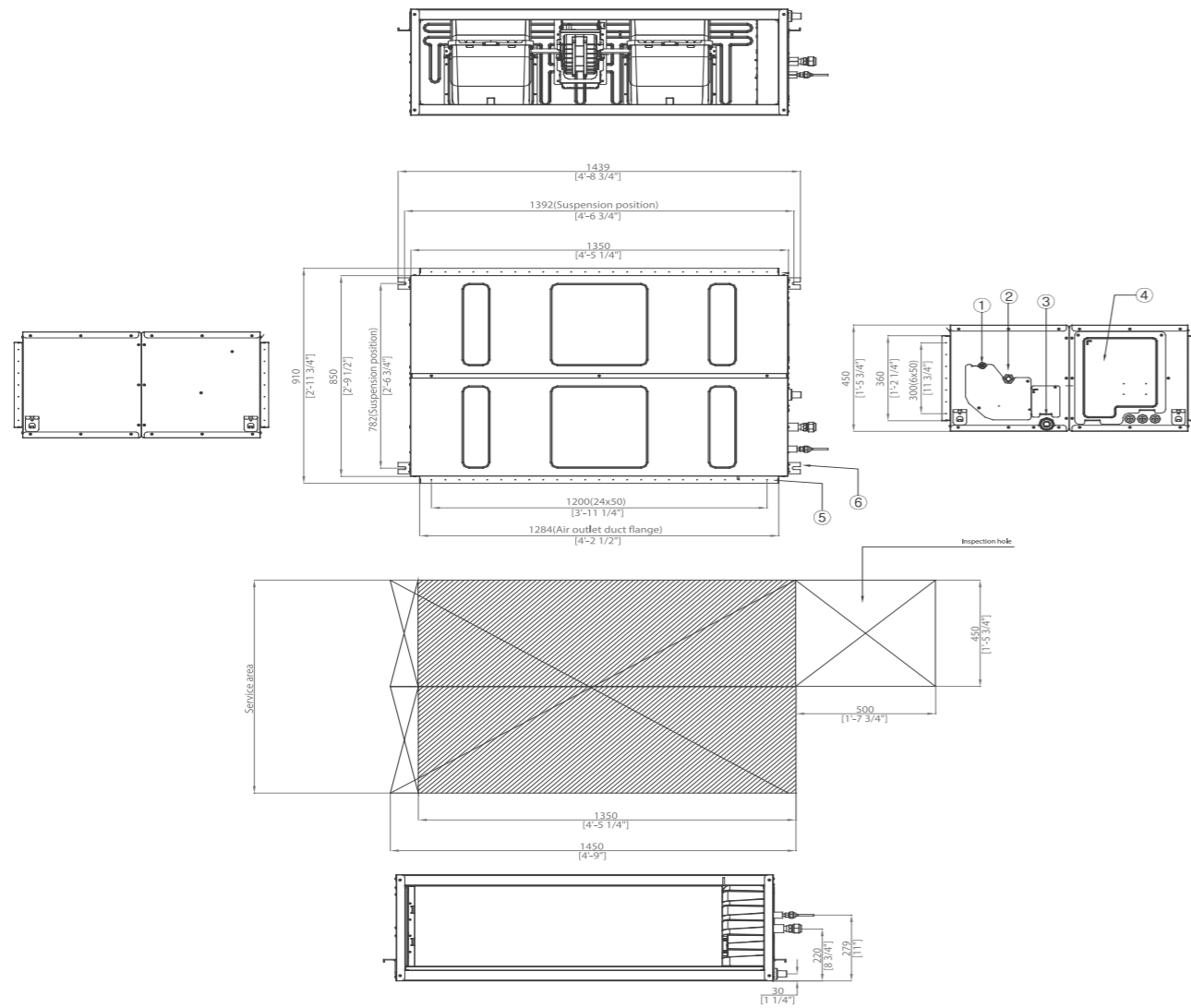
Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit
MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04EN
Wireless Receiver Kit	External Thermostat	Touch Centralised Controller	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MRK-A10N (to be matched with AR-EH03E)	MRW-TA	MCM-A300BN	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

Dimensional drawings

HSP Duct (R410A)

AC200KNHPKH/EU

Units: mm [inches]

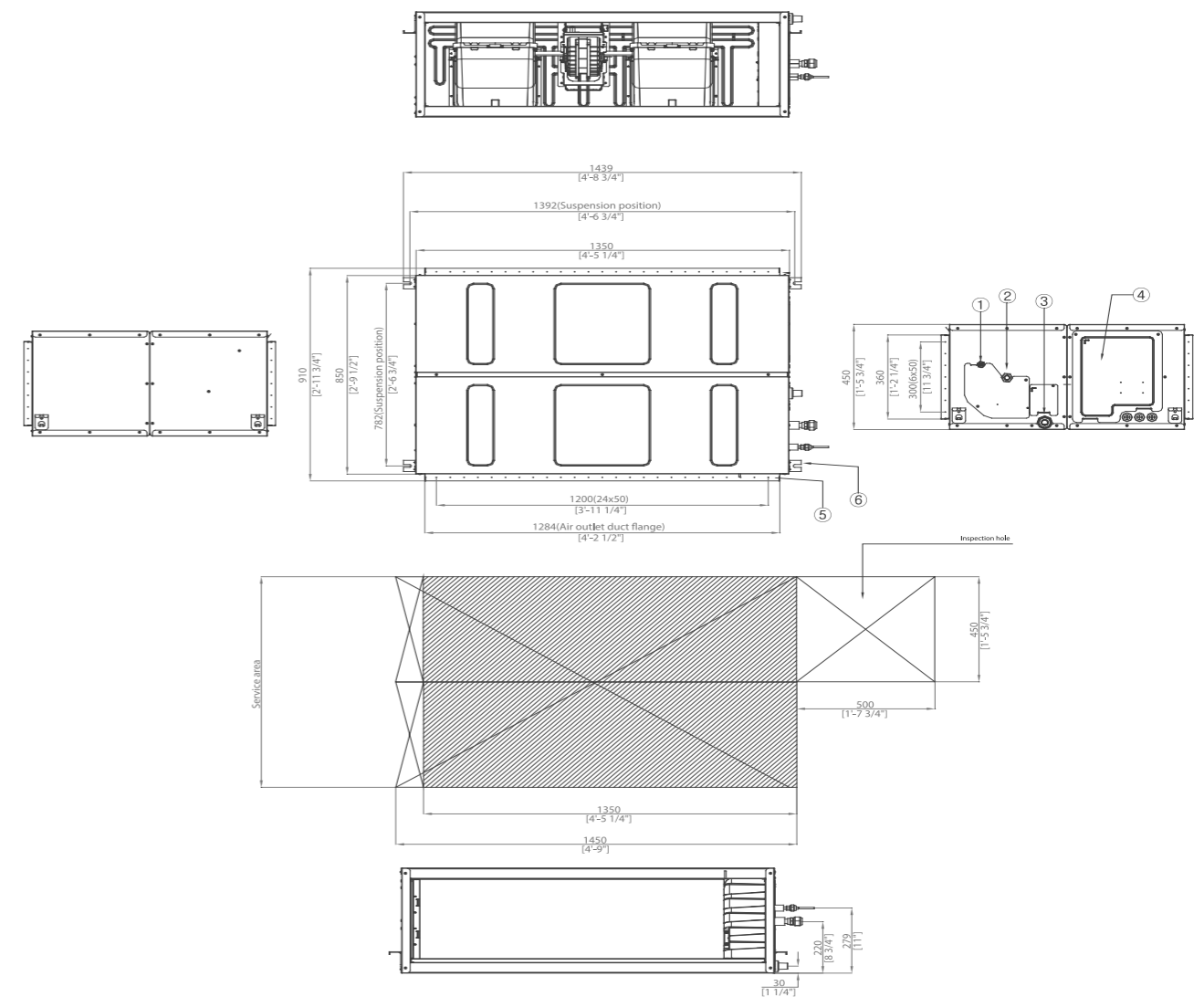


NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø19.05 (3/4)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air tie rods	Use M8-M10 bolt (4x)

HSP Duct (R410A)

AC250KNHPKH/EU

Units: mm [inches]



NO	Name	Description	
		AC200KNHPKH/EU	AC250KNHPKH/EU
1	Liquid piping	ø9.52 (3/8)	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	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
Capacity								
Cooling	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
	EEER	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 ³	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)	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
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 _{2e}	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

MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N
MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA
MCM-A300BN	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

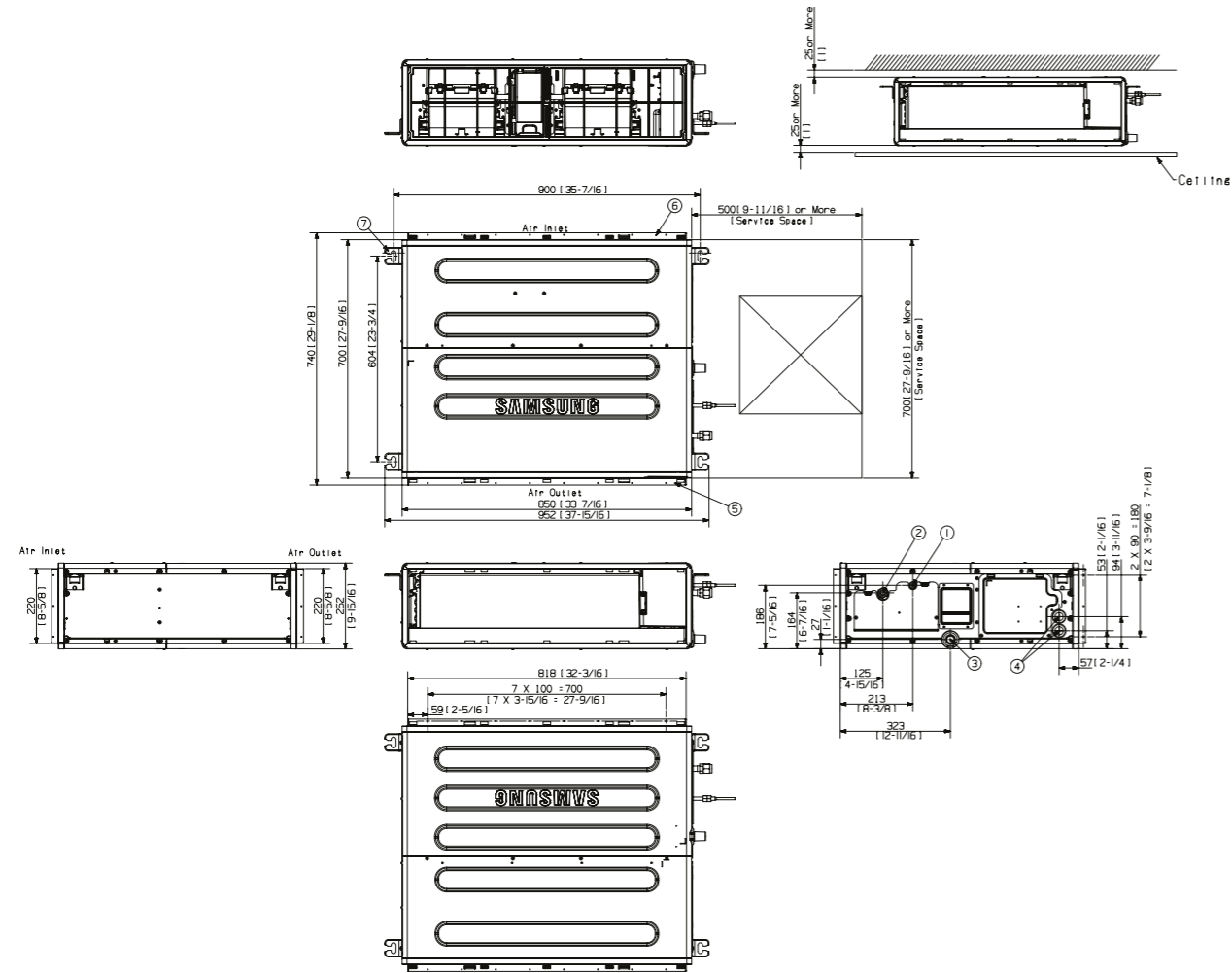
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

MSP Duct R32

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

Units: mm [inches]

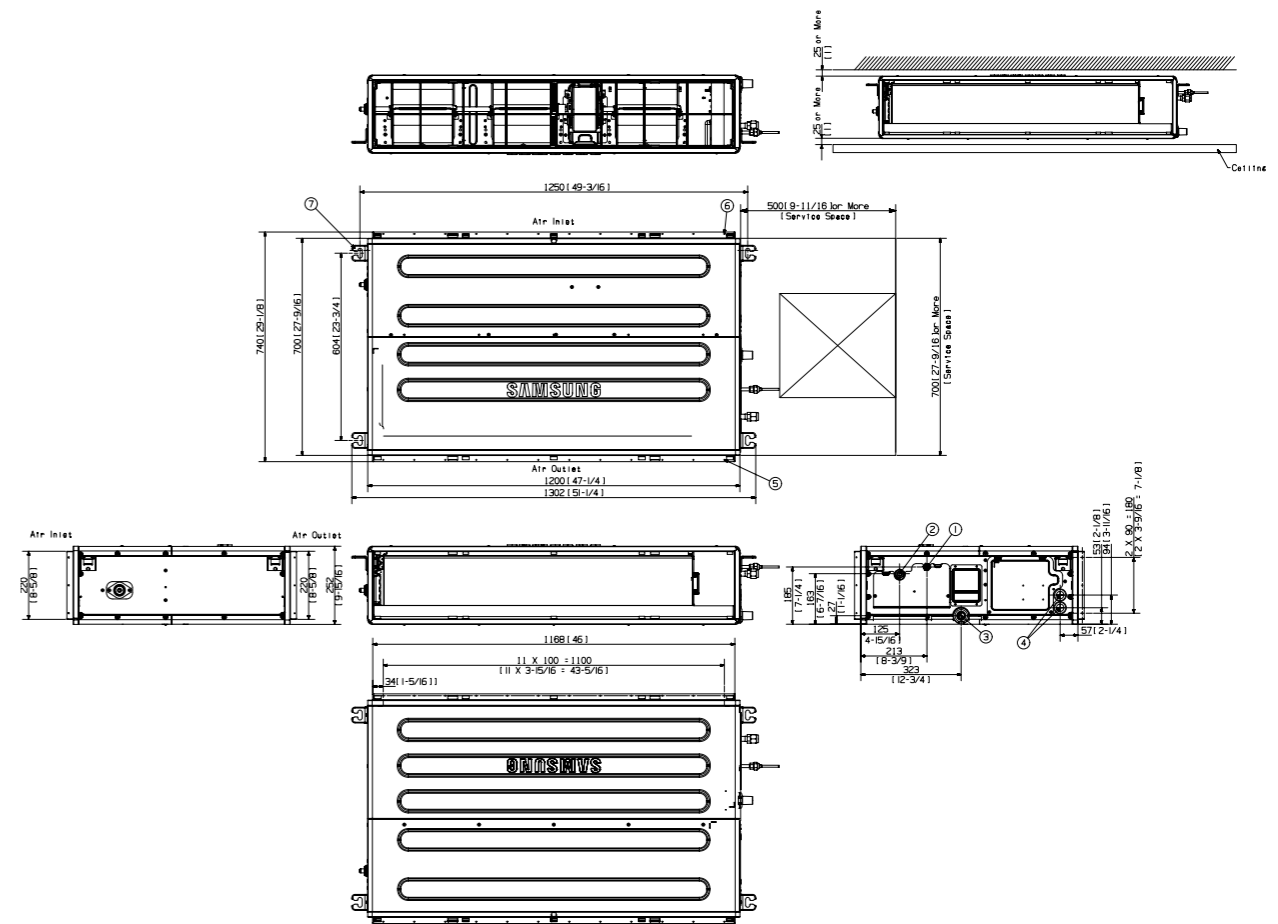


NO	Name	Description		
		AC035*NMDK*/EU	AC052*NMDK*/EU	AC060*NMDK*/EU AC071*NMDK*/EU
1	Liquid piping		ø6.35 (1/4)	
2	Gas piping	ø9.52 (3/8)	ø12.70 (1/2)	ø15.88 (5/8)
3	Condensation drain piping		VP25 (OD 32, ID 25)	
4	Power supply/communication wiring conduits		-	
5	Air intake		-	
6	Air supply		-	
7	Air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

MSP Duct R32

AC100*NMDK*/EU

Units: mm [inches]



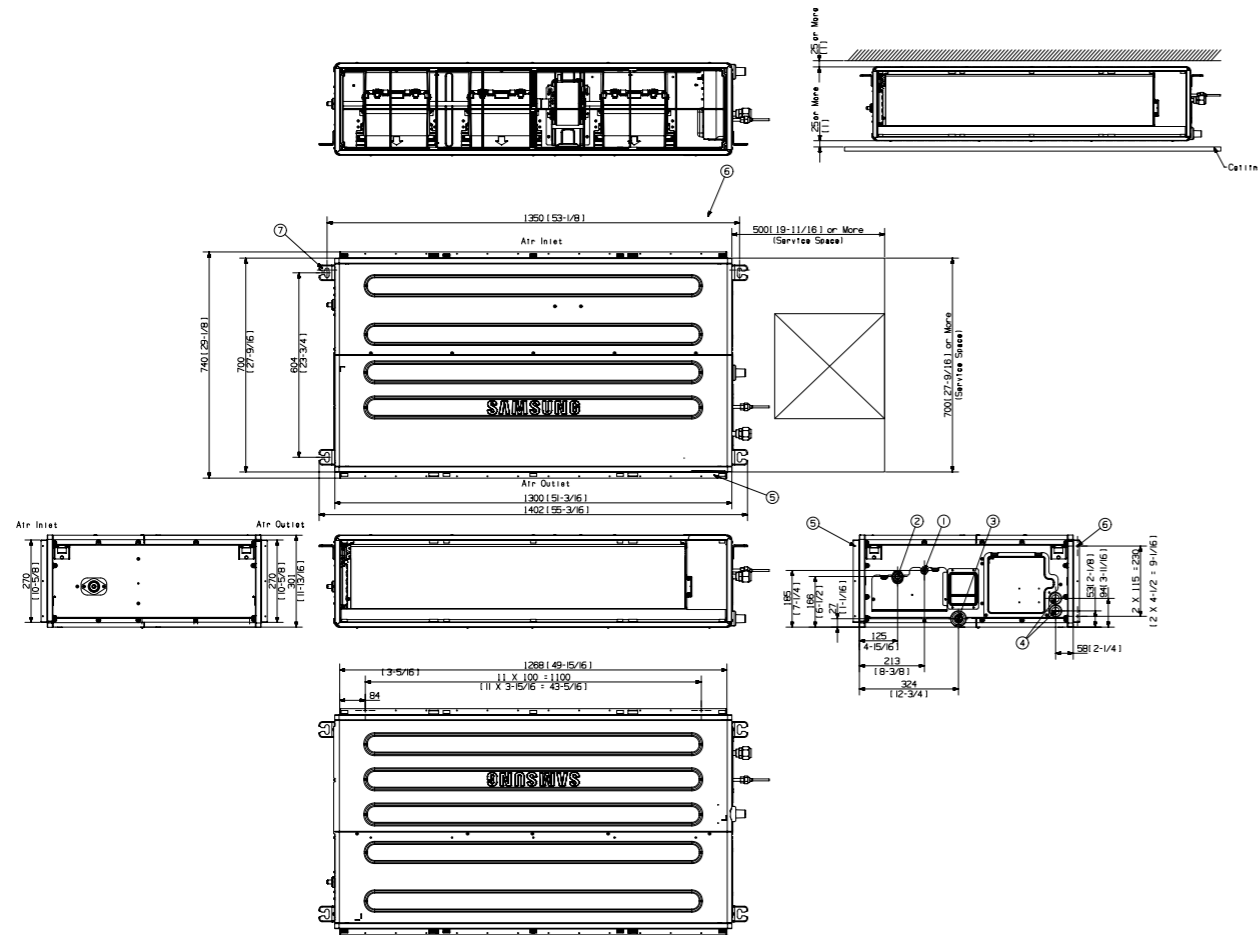
NO	Name	Description
		1
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air intake	
6	Air supply	
7	Air tie rods	Use M8-M10 bolt (4x)

Dimensional drawings

MSP Duct R32

AC120/140*NMDK*/EU*

Units: mm [inches]



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	AC035BNMPKG/EU	AC052BNMPKG/EU	AC071BNMPKG/EU	AC100BNMPKG/EU	AC120BNMPKG/EU	AC140BNMPKG/EU
			Outdoor Unit - Mono-Phase	AC035BXAPKG/EU	AC052BXAPKG/EU	AC071BXAPKG/EU	AC100BXAPKG/EU	-	-
			Outdoor Unit - Tri-Phase	-	-	AC071BXAPNG/EU	AC100BXAPNG/EU	AC120BXAPNG/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	-	-	-
	Pdesignc	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	11550	-	-	-
	Pdesignh (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

Limited quantity, availability for the full year can not be guaranteed



			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	-	-
			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 (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-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-A300BN	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

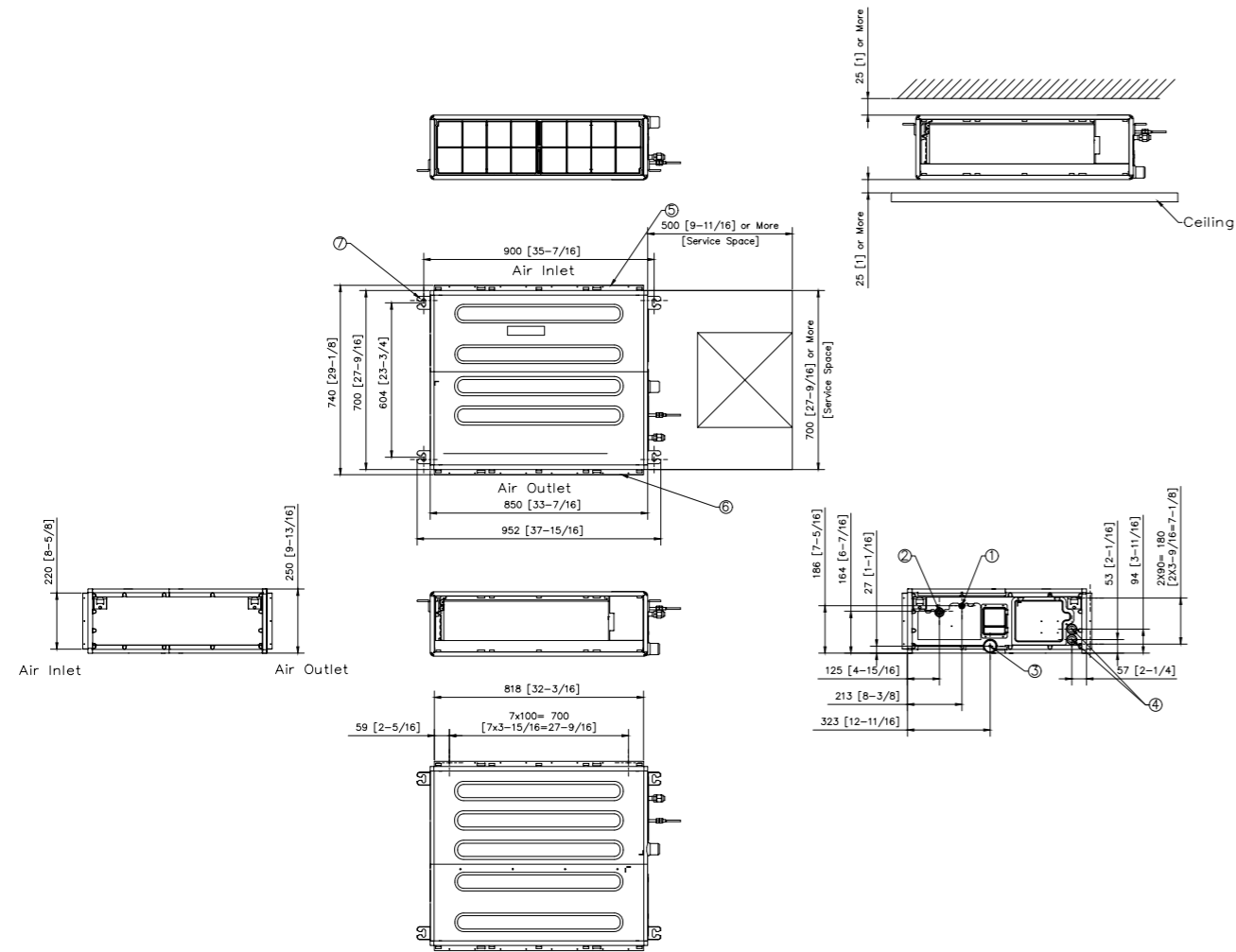
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

MSP Duct HEE R32

AC035/052BNMPKG/EU

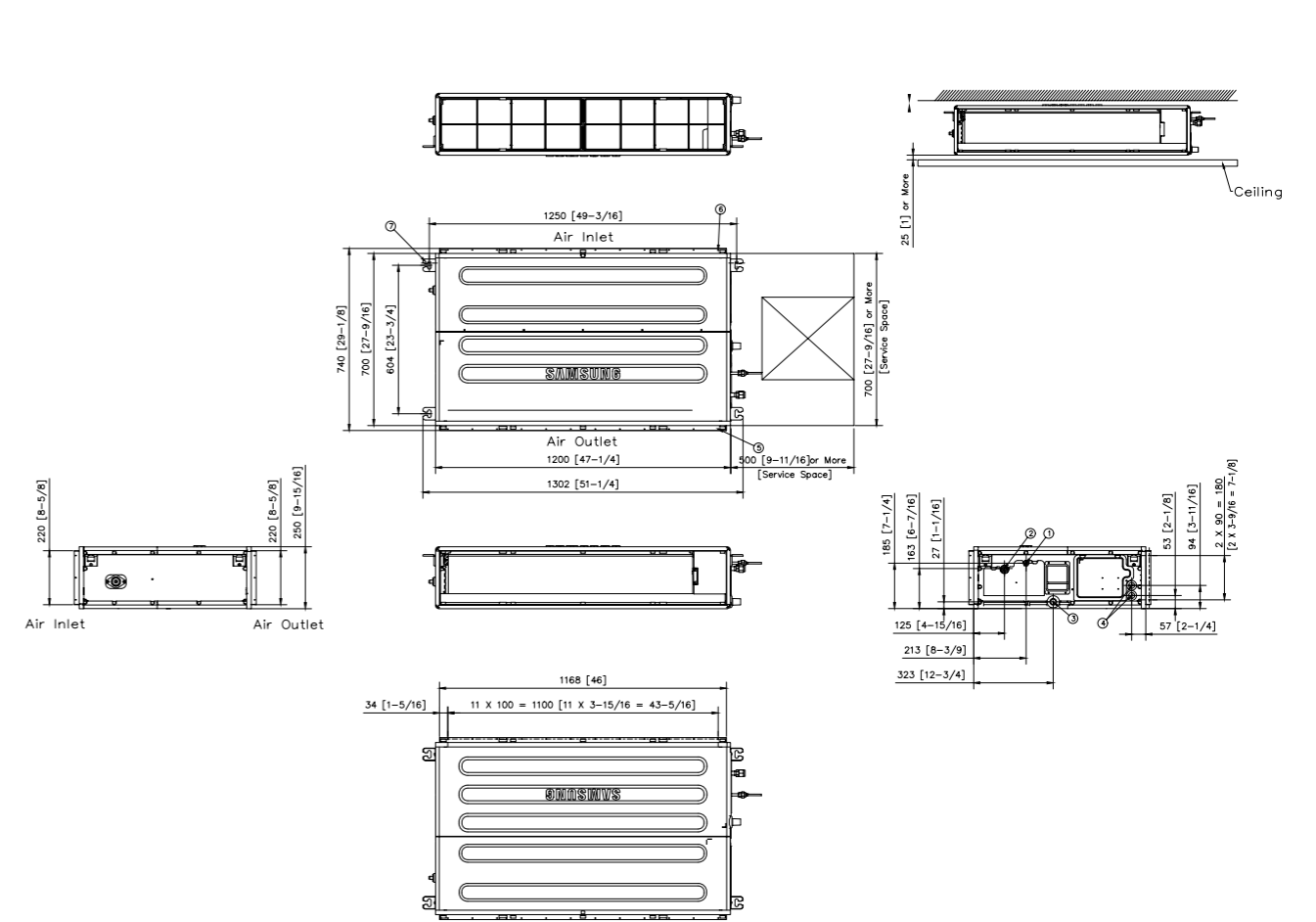
Units: mm [inches]



MSP Duct HEE R32

AC071BNMPKG/EU

Units: mm [inches]

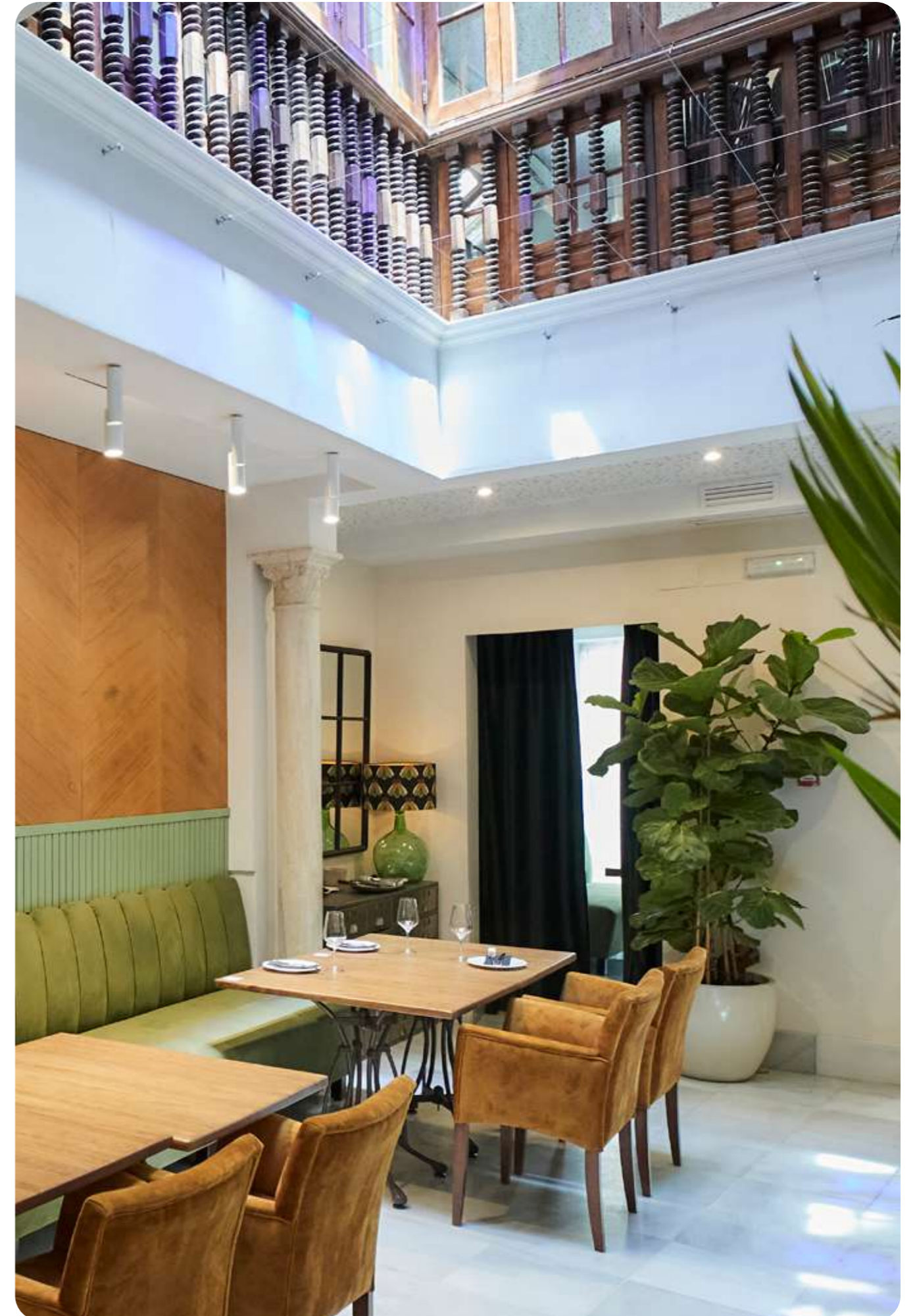
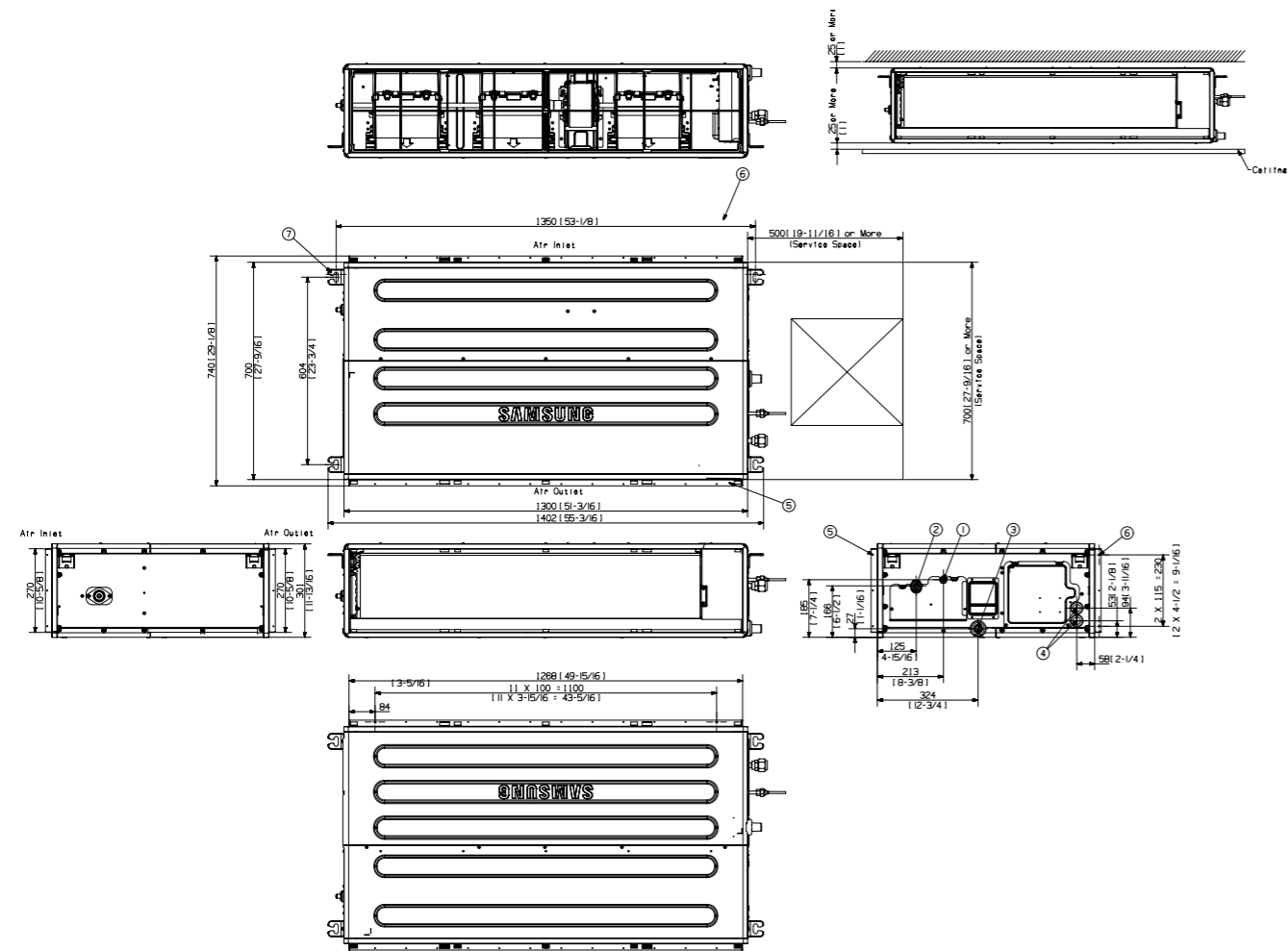


Dimensional drawings

MSP Duct HEE R32

AC0100/120/140BNMPKG/EU

Units: mm [inches]



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	AC026BNLDKG/EU	AC035RNLDKG/EU	AC052BNLDKG/EU	AC071BNLDKG/EU
		Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-	-	-
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	900 x 199 x 440	900 x 199 x 440	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
Net Weight	Indoor Unit	kg	19.0	19.0	23.5	23.5
	Outdoor Unit	kg	32.5	32.5	43.0	51.0



		Indoor Unit	AC026BNLDKG/EU	AC035RNLDKG/EU	AC052BNLDKG/EU	AC071BNLDKG/EU
		Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-	-	-
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	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-Z075SZED	MDP-Z075SZED	MDP-Z075SZED	MDP-Z075SZED
	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-Z075SZED	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MCM-A300BN
MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA		
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN		

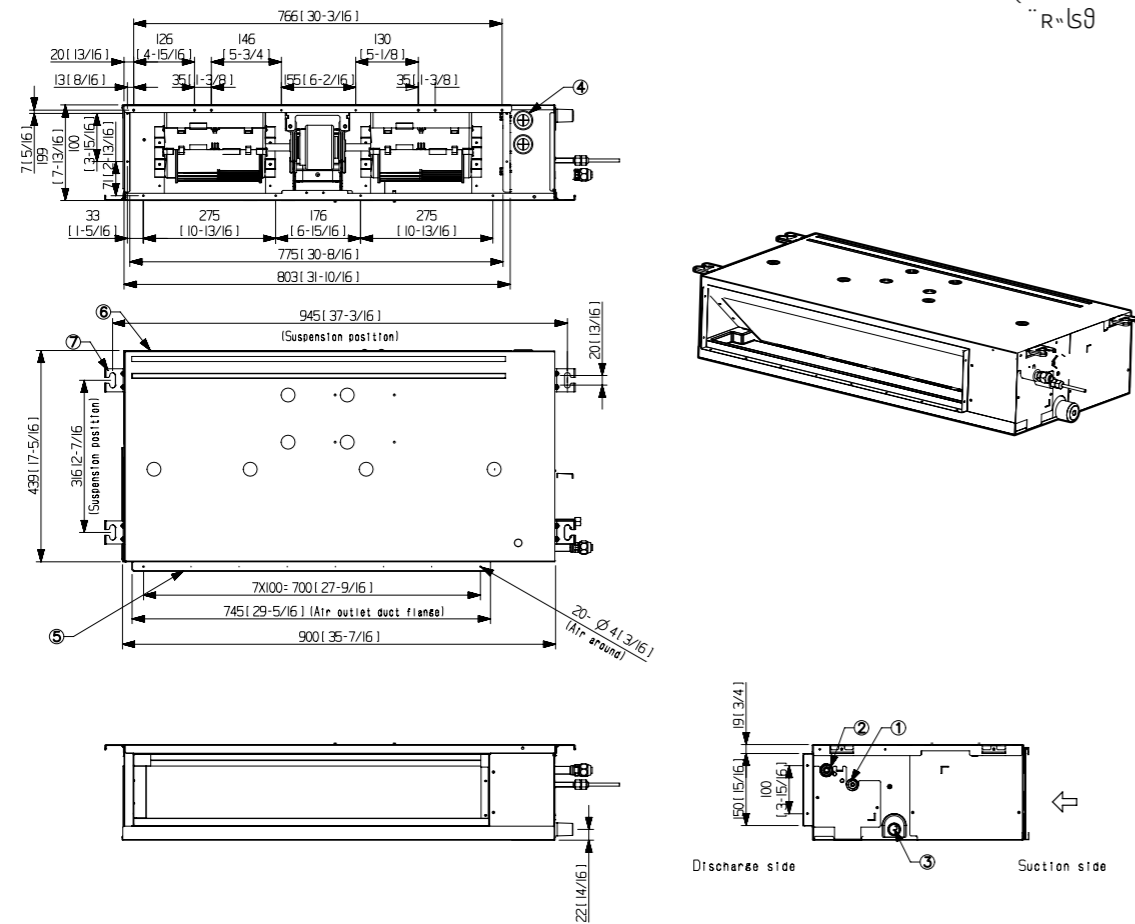
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

LSP Duct R32

AC026/035BNLDKG/EU

Units: mm [inches]

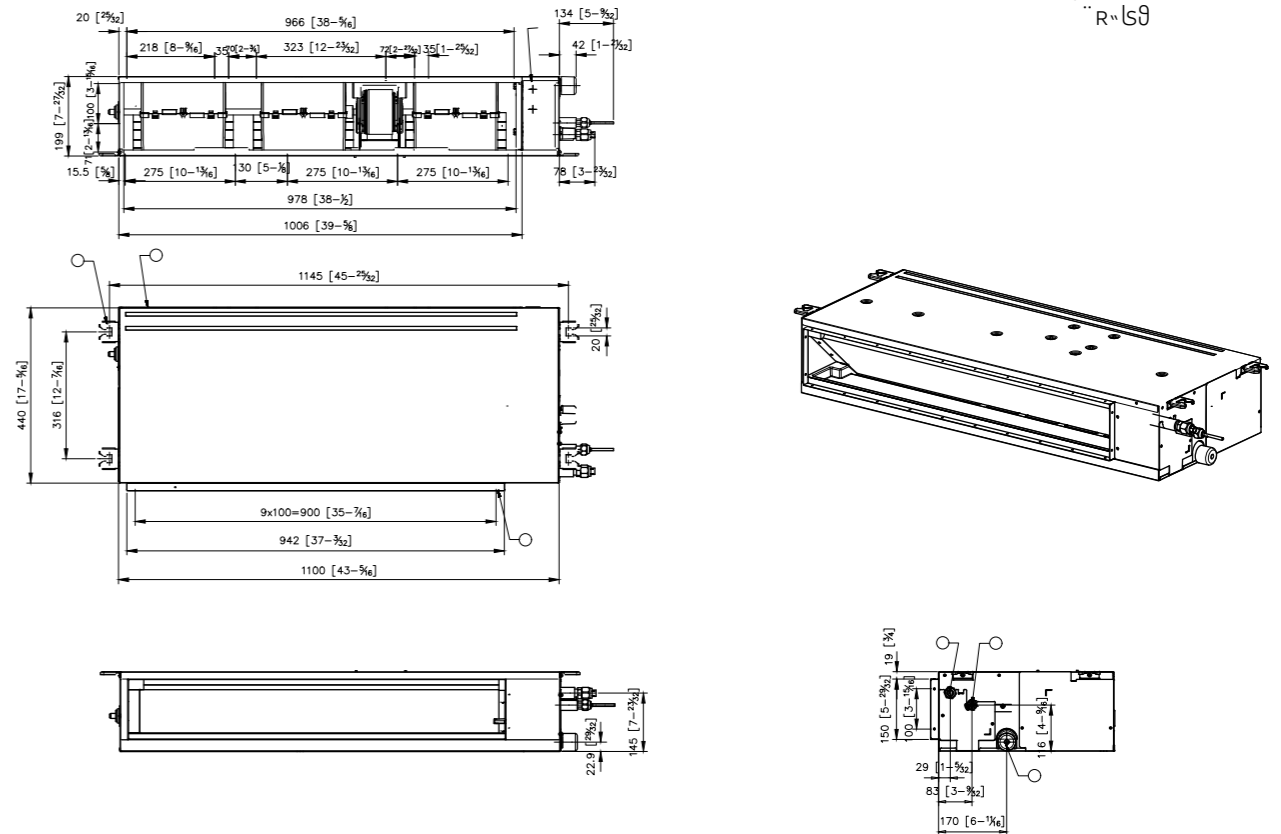


NO	Name	Description
1	Refrigerant Liquid Pipe	Ø6.35 [1/4"] Flare Connection
2	Refrigerant Gas Pipe	Ø9.52 [3/8"] Flare Connection
3	Condensate Drain (Option)	VP25 (OD32, ID25)
4	Power supply & Communication wiring conduit	-
5	Supply Air Flange	-
6	Return Air Flange	-
7	Hook	-

LSP Duct R32

AC052/071BNLDKG/EU

Units: mm [inches]



NO	Name	Description	
		AC052BNLDKG/EU	AC071BNLDKG/EU
1	Refrigerant Liquid Pipe	Ø6.35 [1/4"] Flare Connection	
2	Refrigerant Gas Pipe	Ø12.7 [1/2"] Flare Connection	Ø15.88 [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	AC026TNXDKG/EU	AC035TNXDKG/EU	AC052TNXDKG/EU	AC071TNXDKG/EU
		Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-	-	-
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	SEER ¹	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	SCOP ¹	W/W	4.1/ A+	4.1/ A+	3.9/ A	4.0/ A+
	Consumption	kWh/a	717	862	1260	1260
	Pdesignh (average)	kW	2.1	2.1	2.4	3.6
	COP ¹	W/W	3.75	3.31	3.43	3.4
Airflow Rate	Indoor Unit (High/Mid/Low)	m ³ /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
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

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.



		Indoor Unit	AC026TNXDKG/EU	AC035TNXDKG/EU	AC052TNXDKG/EU	AC071TNXDKG/EU
		Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-	-	-
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-A300BN	MIM-H04EN



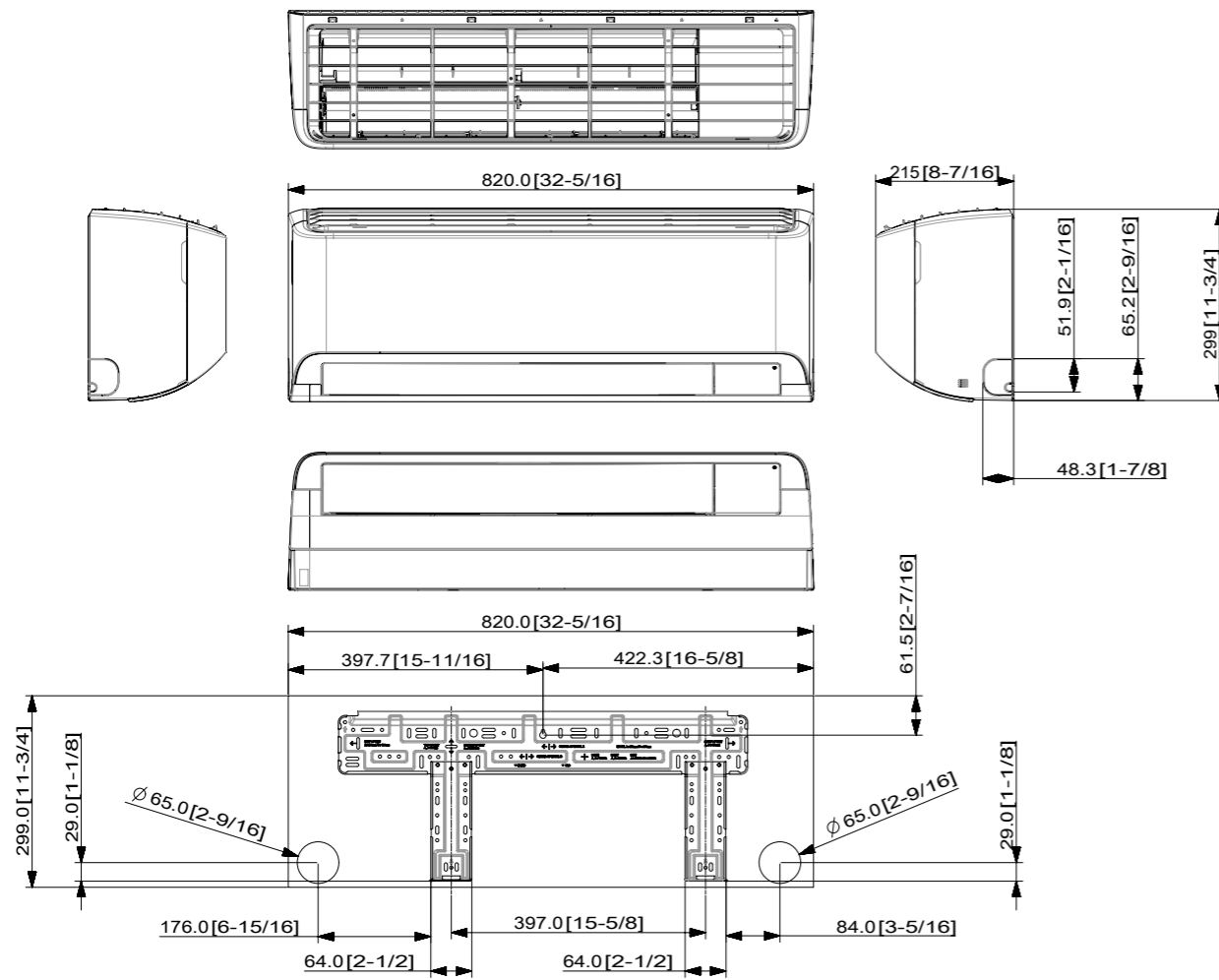
External Thermostat	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MRW-TA	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

Dimensional drawings

WindFree™ Deluxe R32

AC026TNXDKG/EU AC026RXADKG/EU

Units: mm [inches]

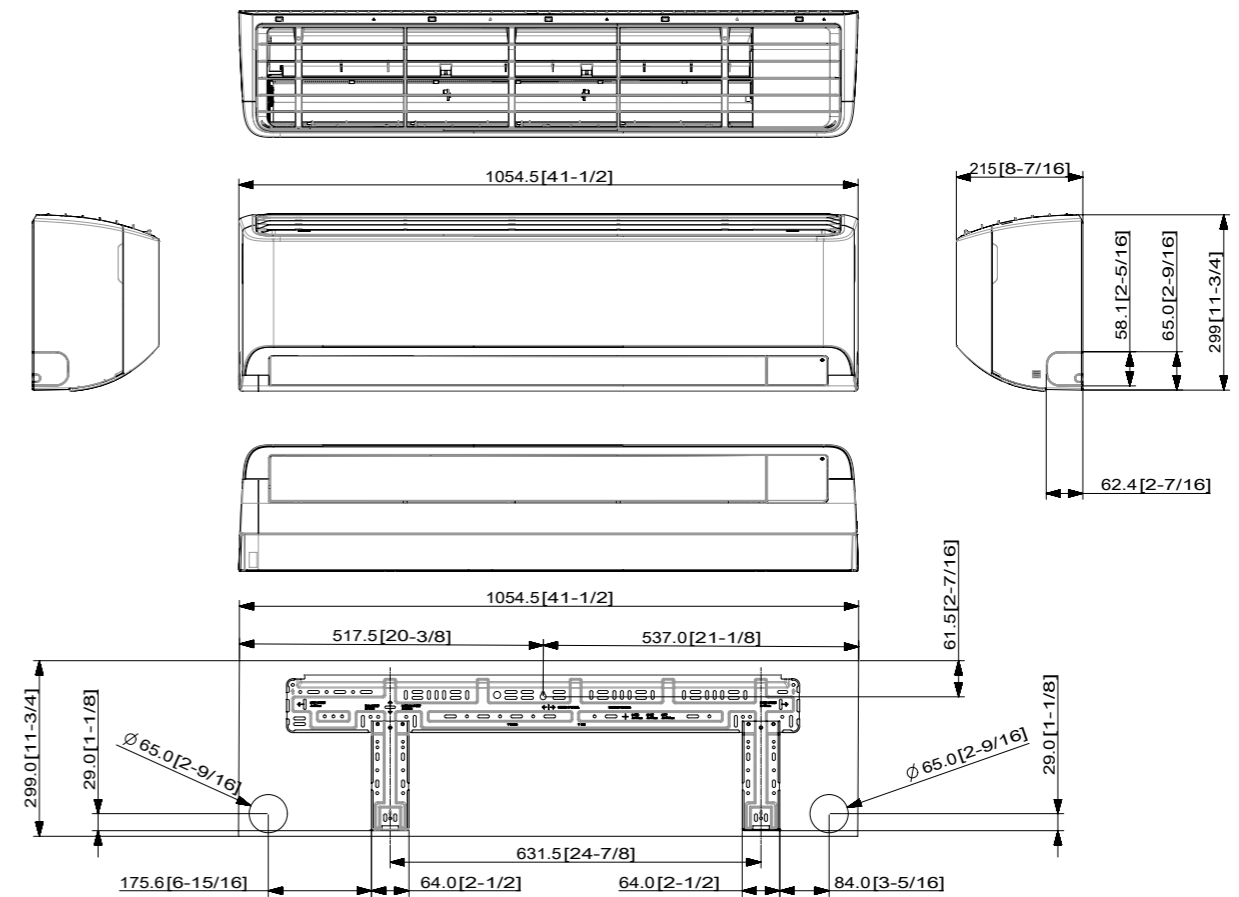


NO	Name	Description
1	Refrigerant gas pipe	ø12.70 (1/2) Flare
2	Refrigerant liquid pipe	ø6.35 (1/4) Flare
3	Drain pipe connection	ID 18 Hose

WindFree™ Deluxe R32

AC052TNXDKG/EU AC071TNXDKG/EU

Units: mm [inches]



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		AC026BNAPKG/EU	AC035BNAPKG/EU	AC052BNAPKG/EU	AC071BNAPKG/EU
	Outdoor Unit - Mono-Phase		AC026RXADKG/EU	AC035BXAPKG/EU	AC052BXAPKG/EU	AC071BXAPKG/EU
	Outdoor Unit - Tri-Phase		-	-	-	AC071BXAPNG/EU










Capacity			AC026BNAPKG/EU	AC035BNAPKG/EU	AC052BNAPKG/EU	AC071BNAPKG/EU
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)	m ³ /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



	Indoor Unit		AC026BNAPKG/EU	AC035BNAPKG/EU	AC052BNAPKG/EU	AC071BNAPKG/EU
	Outdoor Unit - Mono-Phase		AC026RXADKG/EU	AC035BXAPKG/EU	AC052BXAPKG/EU	AC071BXAPKG/EU
	Outdoor Unit - Tri-Phase		-	-	-	AC071BXAPNG/EU

Dimensions			AC026BNAPKG/EU	AC035BNAPKG/EU	AC052BNAPKG/EU	AC071BNAPKG/EU
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-A300BN	MIM-H04EN
				
External Thermostat	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	
MRW-TA	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	

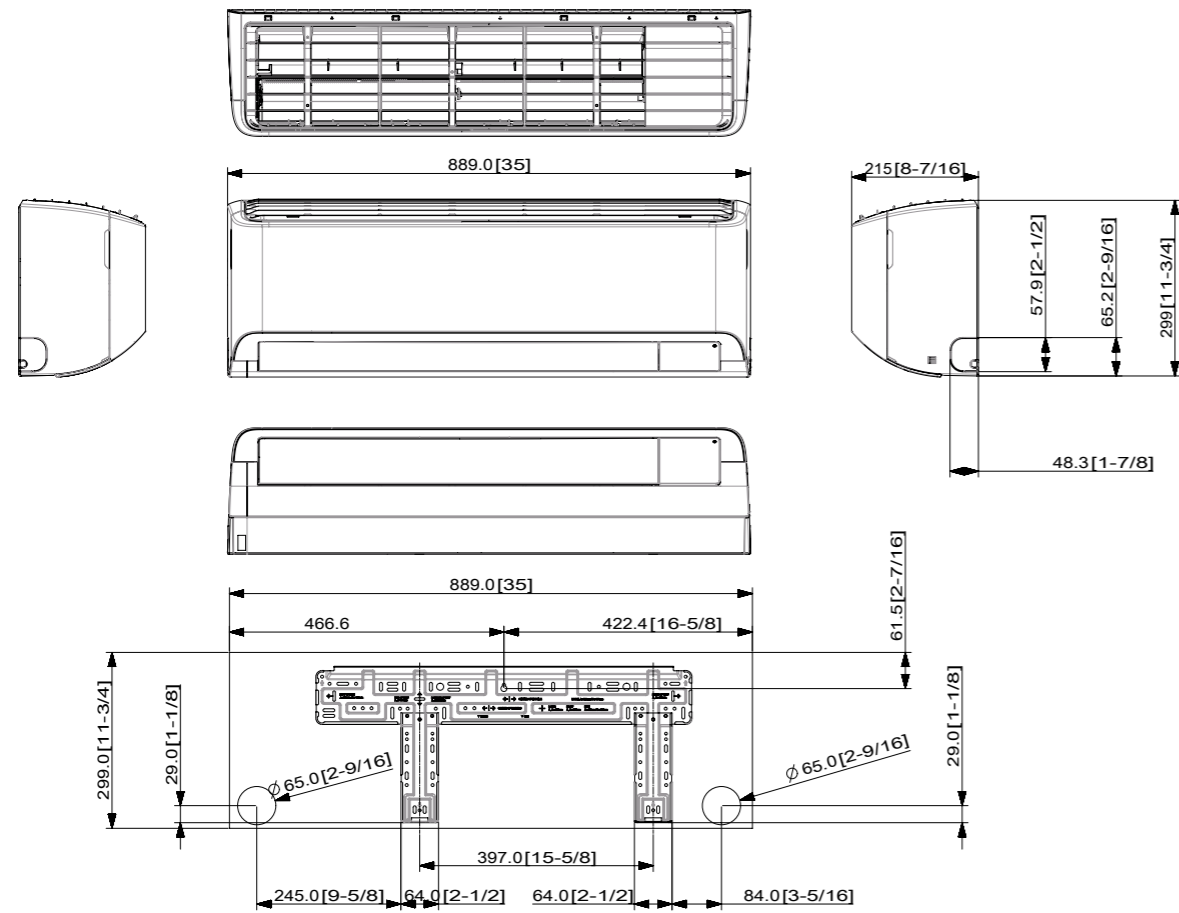
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

WindFree™ Deluxe HEE R32

AC026/035BNAPKG/EU

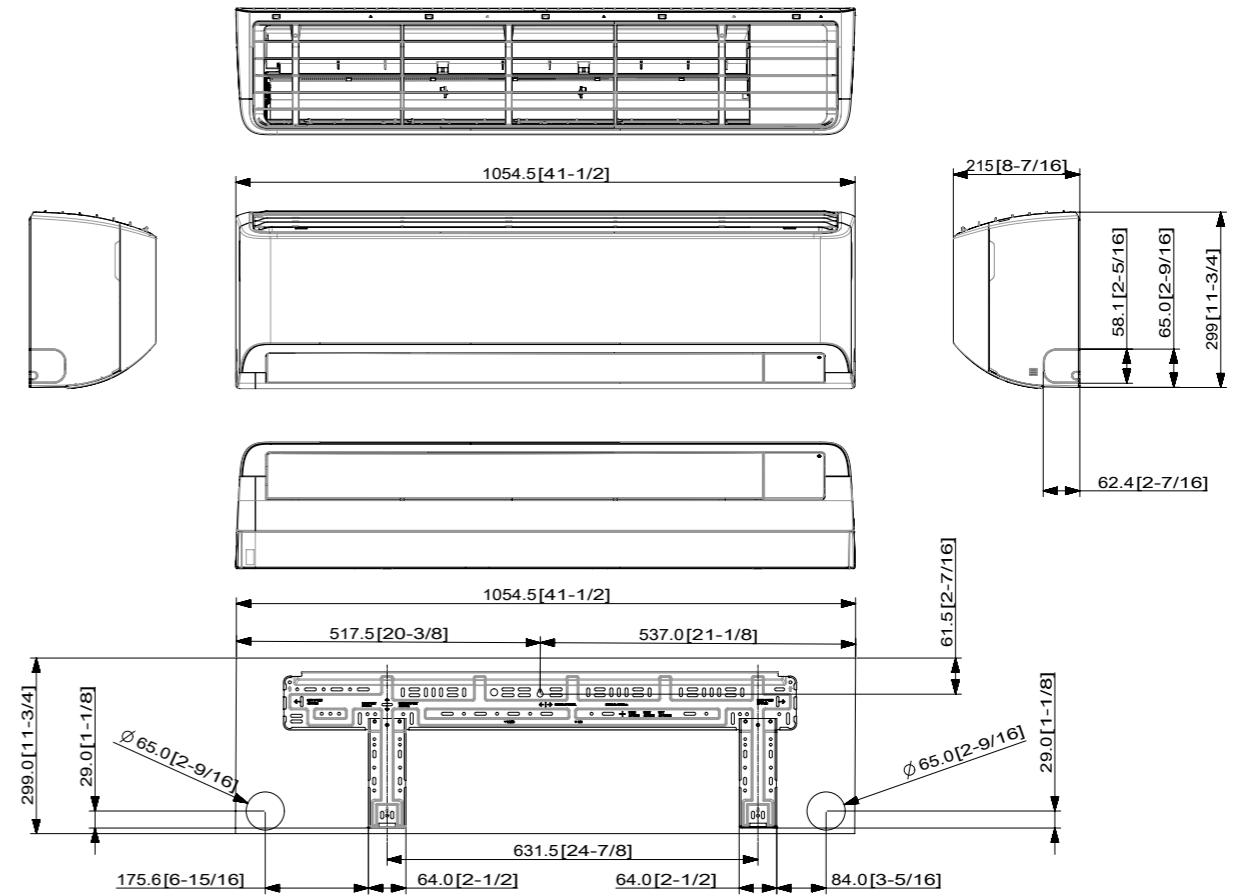
Units: mm [inches]



WindFree™ Deluxe HEE R32

AC052/071BNAPKG/EU

Units: mm [inches]



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
	Pdesignc	kW	9.5
Energy Efficiency Heating	EER	W/W	2.53
	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-A300BN	MIM-H04EN
MRW-TA	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

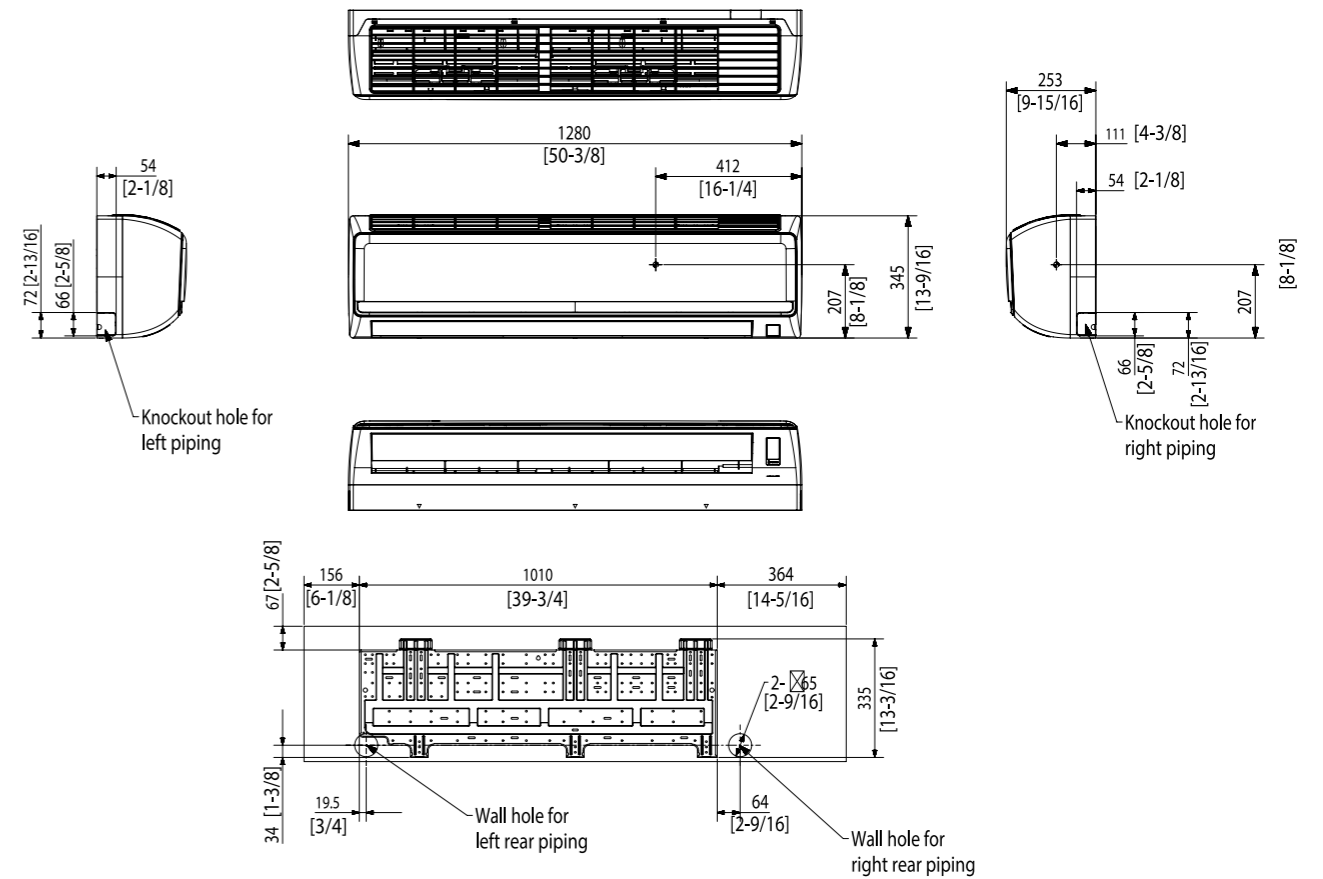
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Max Wall-Mounted R32

AC100*NTD**/EU

Units: mm [inches]



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-A300BN

MIM-H04EN



External Thermostat

DMS 2.5

BACnet/Lonworks/PIM

ON/OFF Controller

MRW-TA

MIM-D01AN

MIM-B17BN/B18BN/B16N

MCM-A202DN

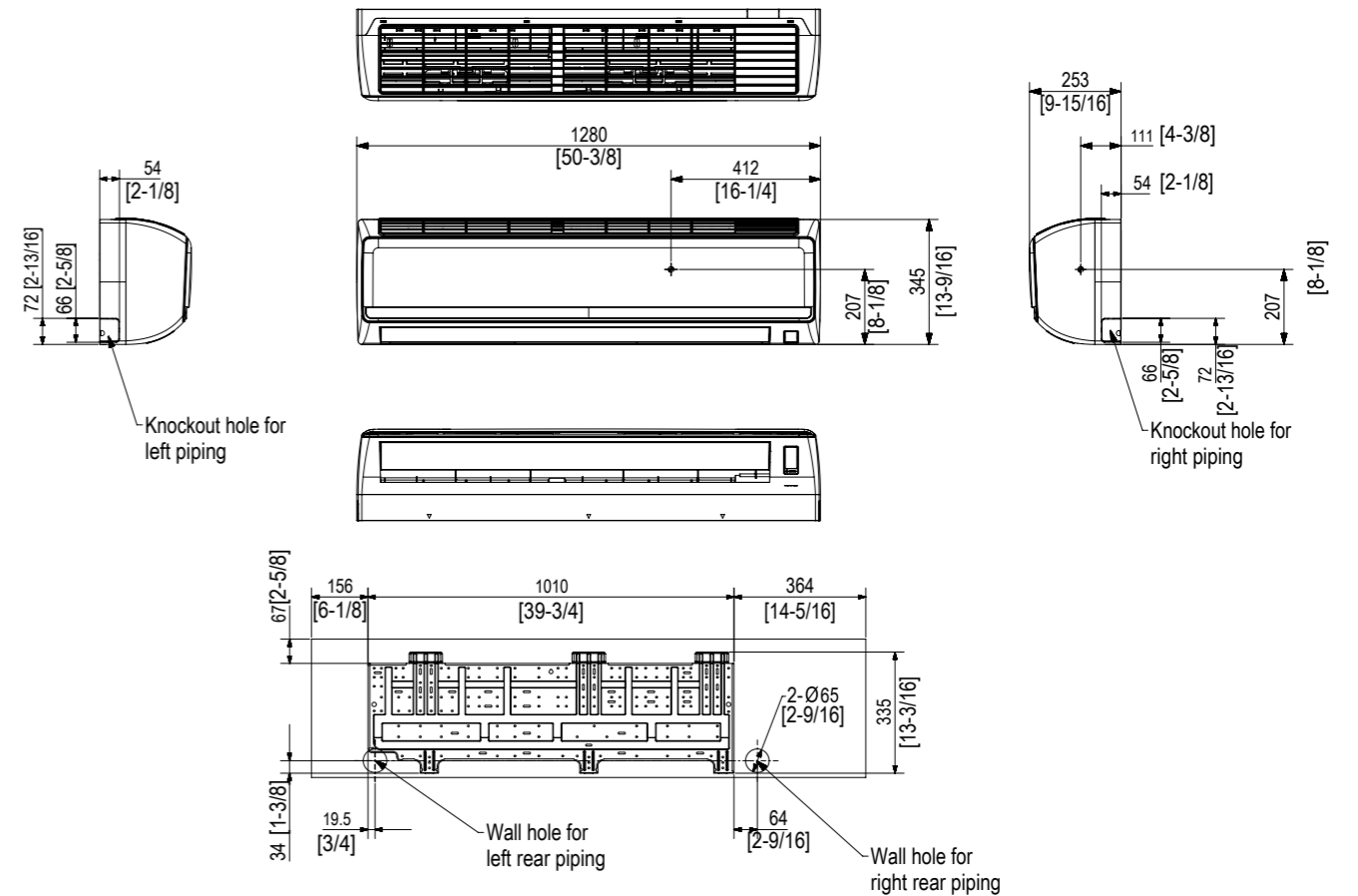
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Max Wall-Mounted HEE R32

AC100BNTPKG/EU

Units: mm [inches]



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	AC052RNC DKG/EU	AC071RNC DKG/EU
		Outdoor Unit - Mono-Phase	AC052RXADKG/EU	AC071RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-
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)	m ³ /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

Accessories



Wireless Remote Controller

AR-EH03E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN



External Thermostat

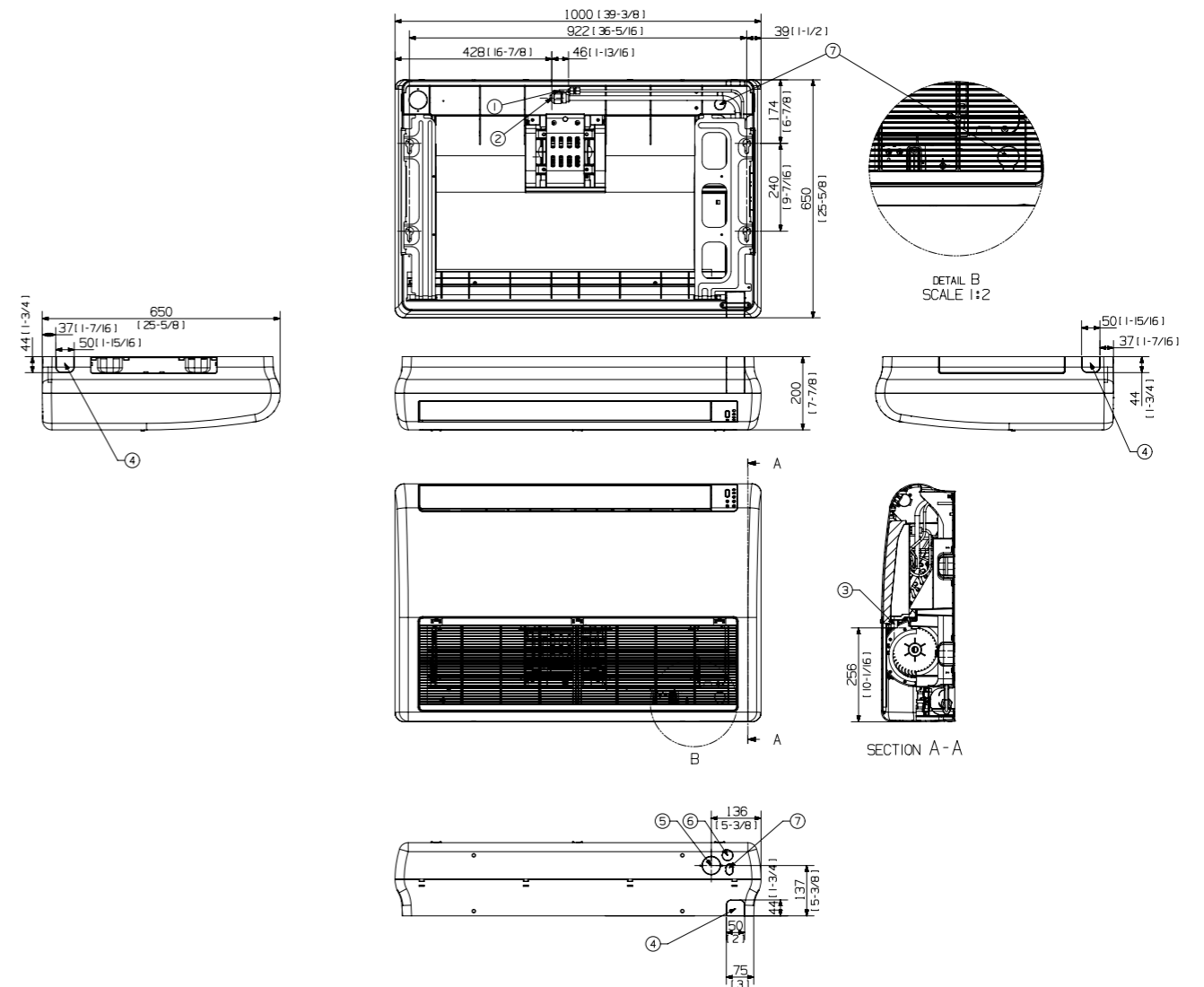
MRW-TA

Dimensional drawings

Ceiling R32

AC052/071*NC DK*/EU

Units: mm [inches]



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		

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Limited quantity, availability for the full year can not be guaranteed

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)	m ³ /min	19.0 / 16.1 / 13.8	20.5 / 17.6 / 15.3
	Outdoor Unit			
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)	kW	0.26 / 1.13 / 2.50	0.47 / 1.88 / 3.10
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

Accessories



Wireless Remote Controller

AR-EH04E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN



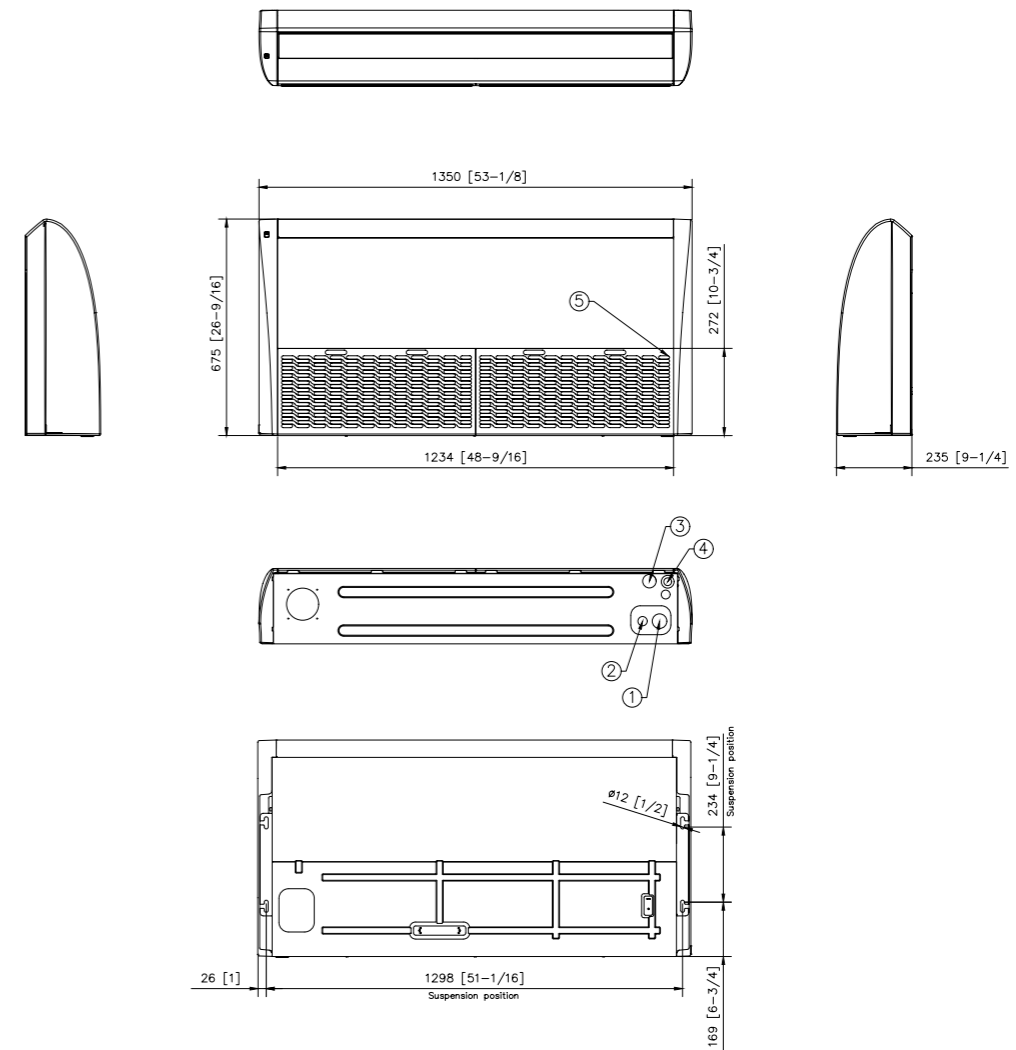
External Thermostat

MRW-TA

Ceiling HEE R32

AC052/071BNCPKG/EU

Units: mm [inches]



NO	Name	Description
1	Gas pipe connection	Φ15.88(5/8)
2	Liquid pipe connection	Φ6.35(1/4)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply & Communication wiring conduit	Φ28(1-1/8)
5	Knockout hole for Fresh air intake	-

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++, A+++.

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	AC100RNC DKG/EU	AC120RNC DKG/EU	AC140RNC DKG/EU
		Outdoor Unit - Mono-Phase	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
		Outdoor Unit - Tri-Phase	AC100RXADNG/EU	AC120RXADNG/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)	m ³ /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
Current Input	Heating	kW	0.46/3.25/5.40	0.70/3.83/5.60	0.70/4.54/7.36
	Cooling (Min/Std/Max)	A	3.0/14.6/20.4	5.1/19.1/24.0	3.7/19.7/28.0
Dimensions	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
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)		
Piping Connections	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 Length	Liquid Pipe	ø, inch	3/8	3/8	3/8
	Gas Pipe	ø, inch	5/8	5/8	5/8
Piping Height	Min/Max	m	50	50	75
	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

WR-WG00JN/MWR-WG00KN



Wi-Fi Kit

MIM-H04EN



External Thermostat

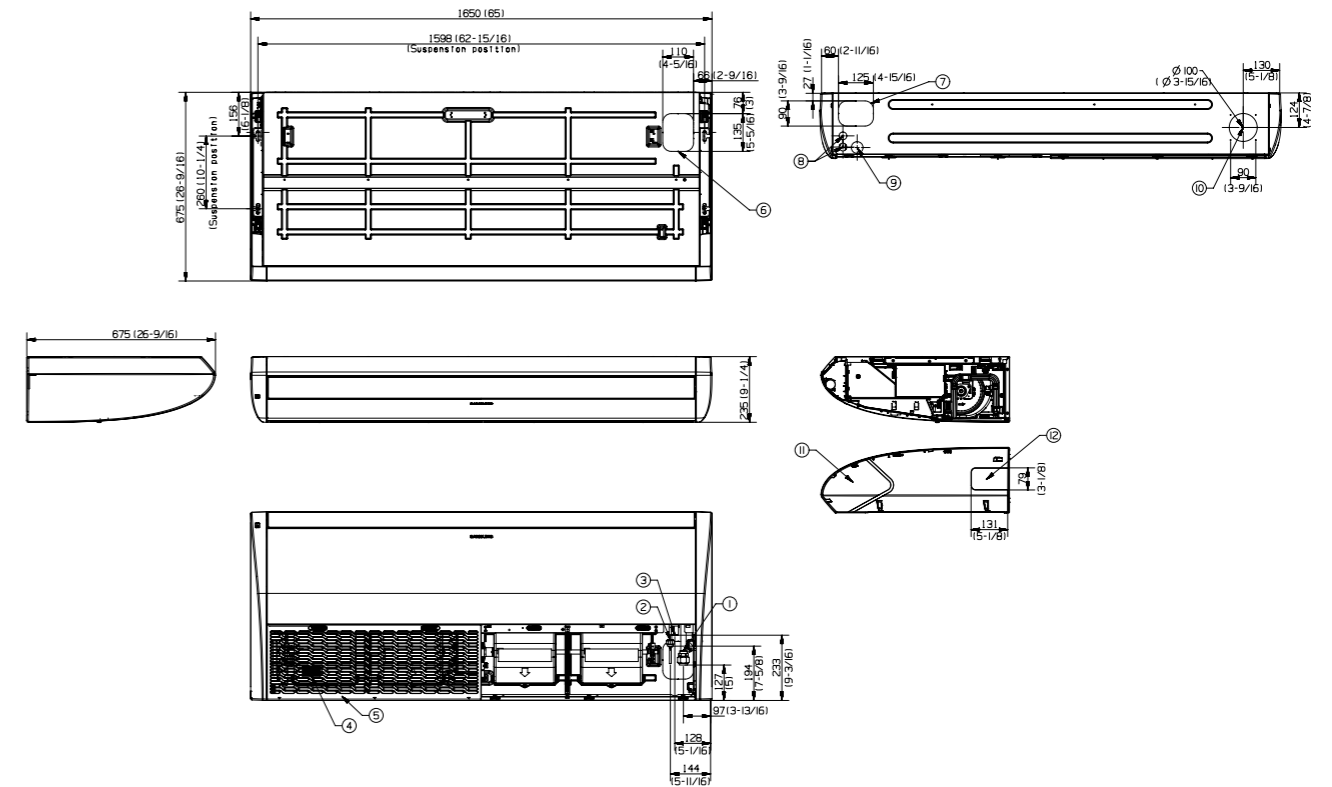
MRW-TA

Dimensional drawings

Big Ceiling R32

AC100/120/140*NC DK*/EU, AC160JNCDEH/EU

Units: mm [inches]



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)	

¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

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	AC100BNPKH/EU	AC140BNPKH/EU
		Outdoor Unit - Mono-Phase	AC100BPKH/EU	-
		Outdoor Unit - Tri-Phase	-	AC140BPKH/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

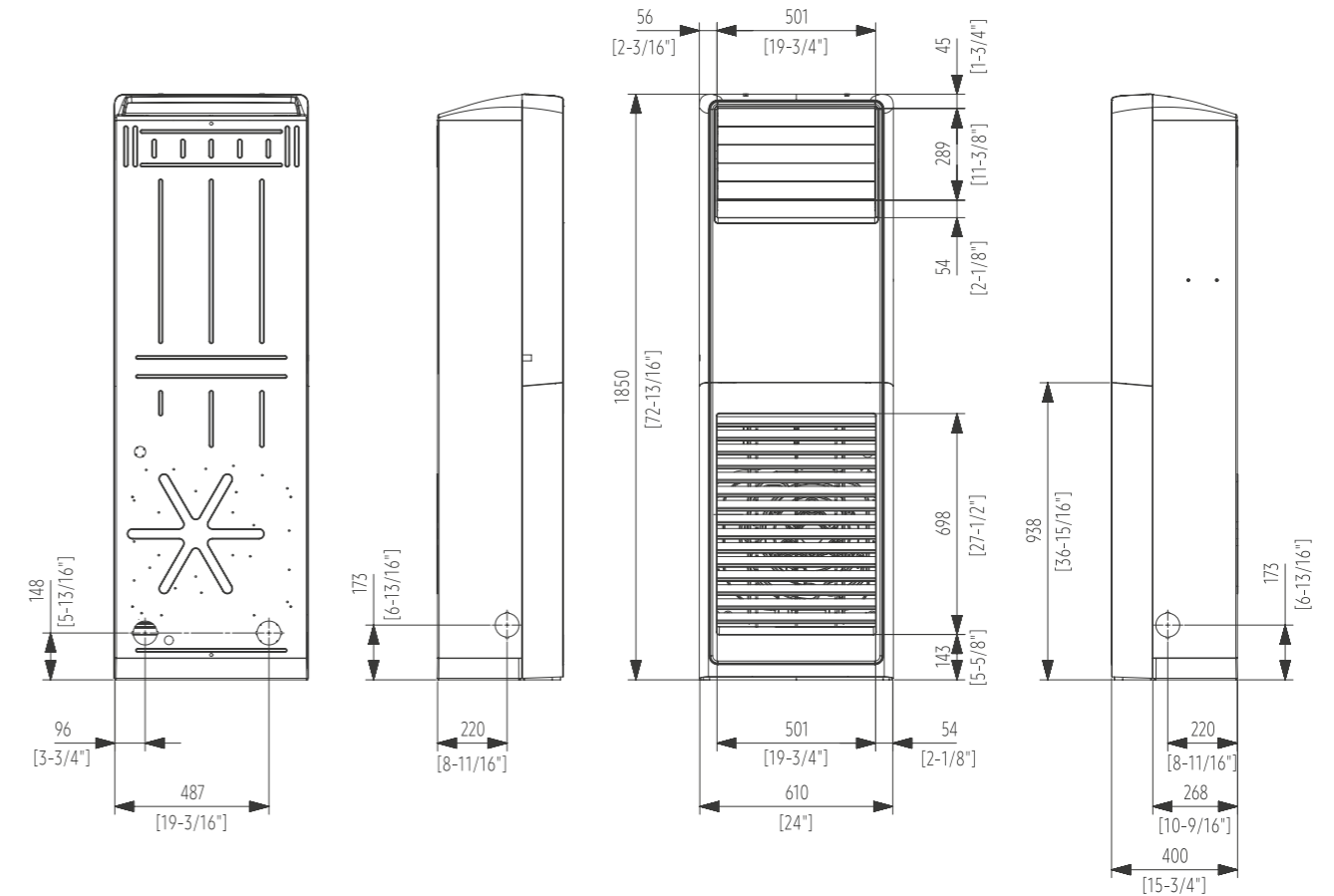
MIM-H04EN

Dimensional drawings

Floor-Standing (R410A)

AC100/140BNPKH/EU

Units: mm [inches]



NO	Name	Description	
		AC100BNPKH/EU	AC140BNPKH/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	-	-

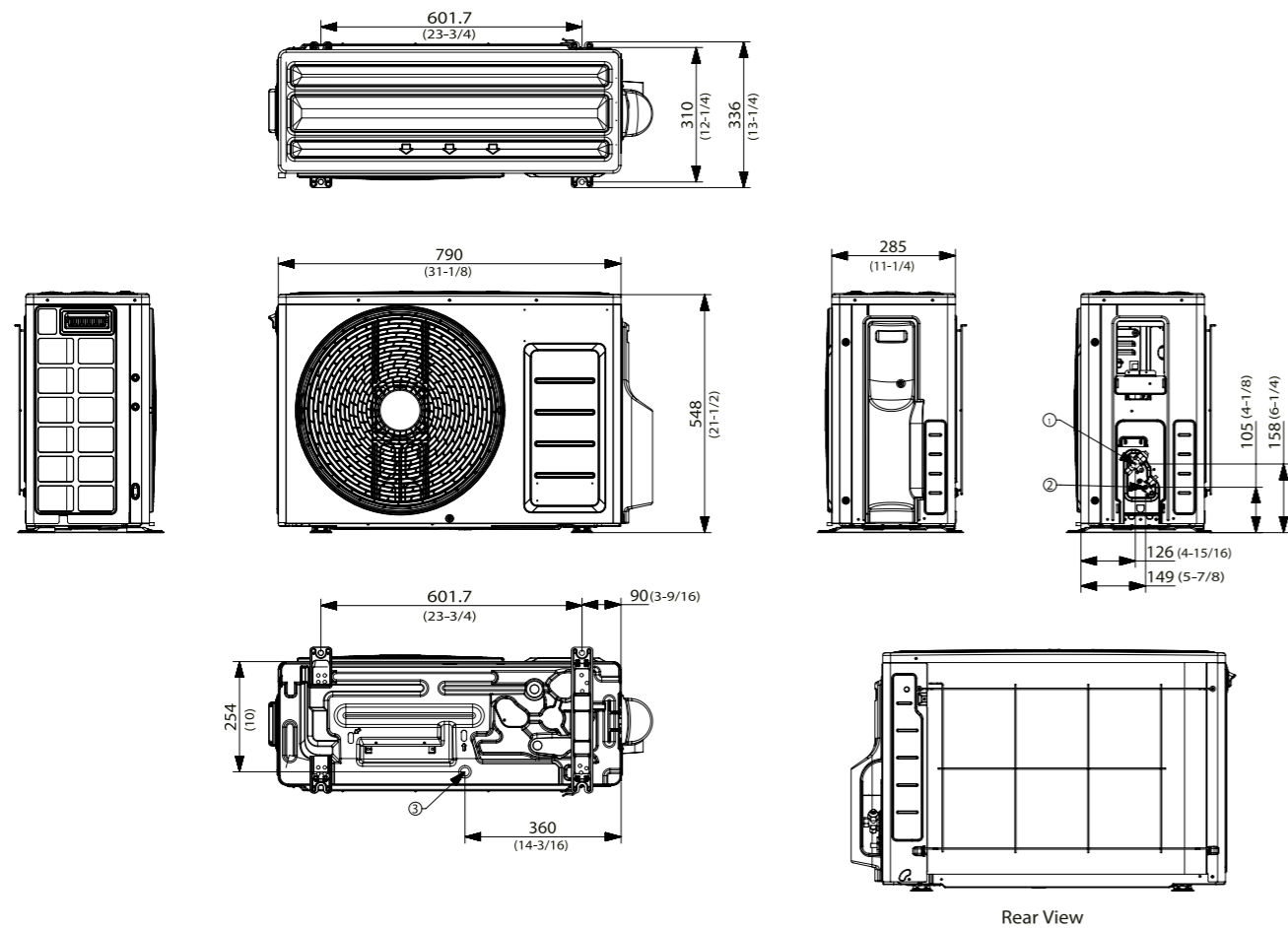
¹ Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Outdoor Units (2.6kW/3.5kW)

AC026/035RXADKG/EU

Units: mm [inches]

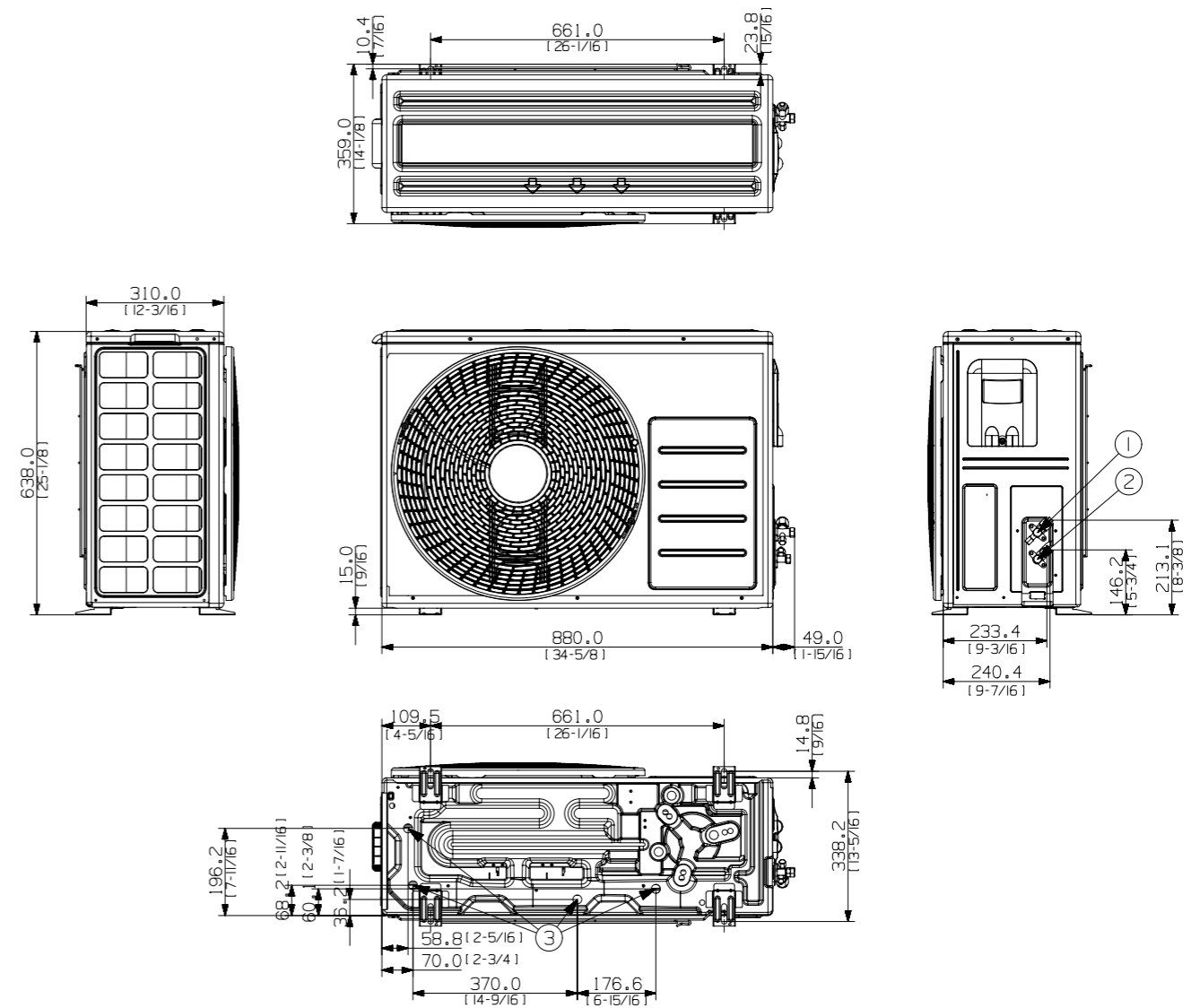


NO	Name	Description
1	Refrigerant gas pipe	ø9.52 (3/8)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	Connection with the provided drain plug.

Outdoor Units (5.2kW)

AC052RXADKG/EU

Units: mm [inches]



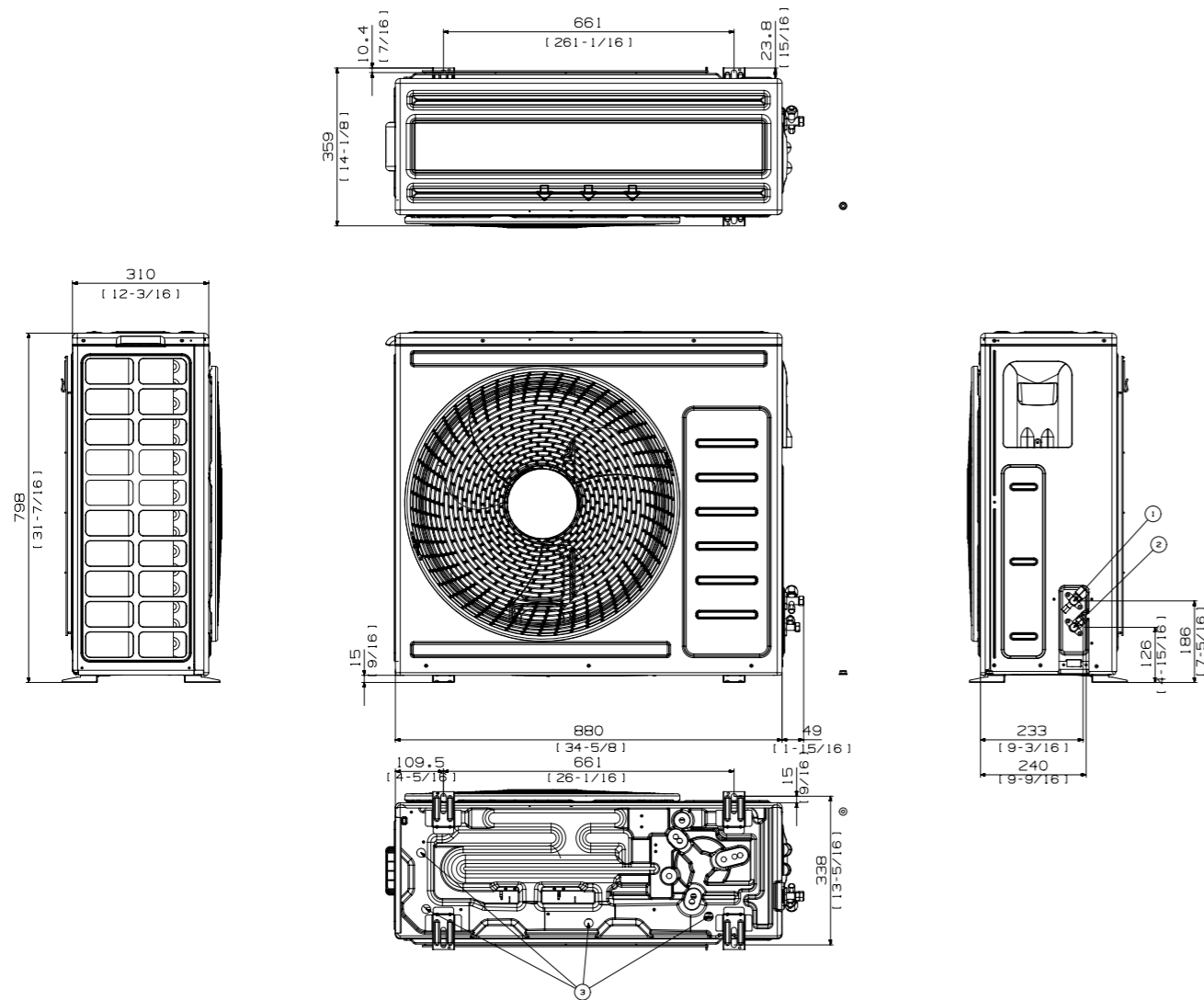
NO	Name	Description
1	Refrigerant gas pipe	ø12.70 (1/2)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	ø20

Dimensional drawings

Outdoor Units (7.1kW)

AC071RXADKG/EU

Units: mm [inches]

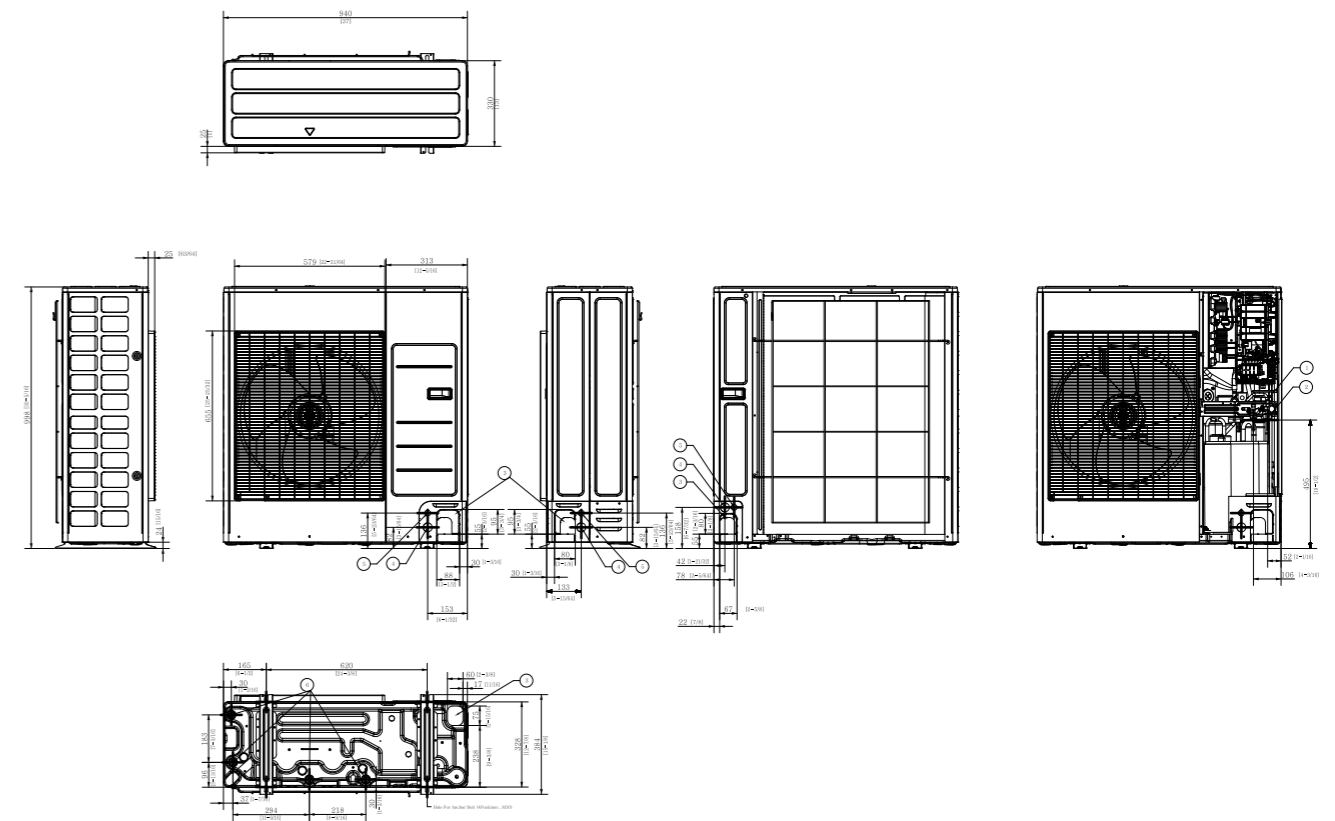


NO	Name	Description
1	Refrigerant gas pipe	ø15.88 (5/8)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	Connection with the provided drain plug.

Outdoor Units (10kW/12kW)

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

Units: mm [inches]



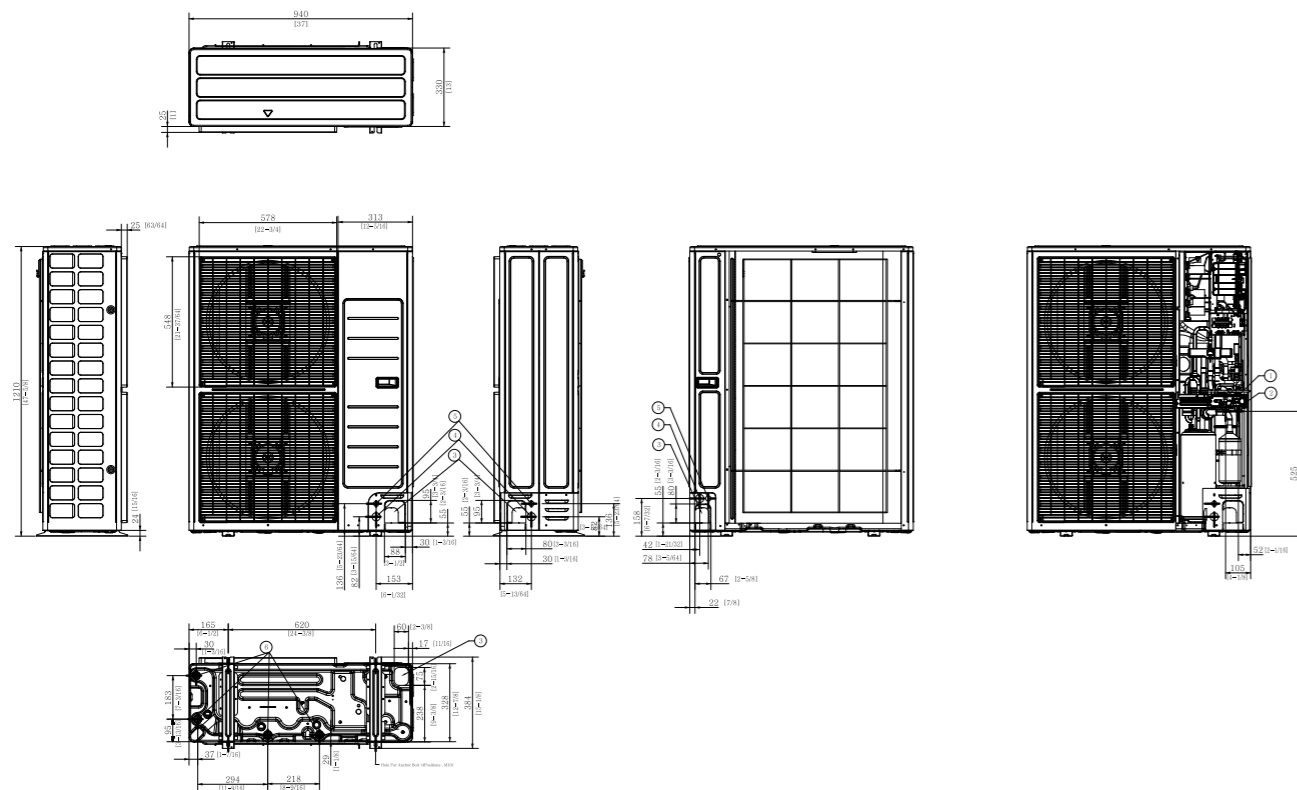
NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knock-out hole	Front/Side/Rear/Bottom
4	Power wiring conduits	Front/Side/Rear, ø34 (ø1 3/8)
5	Communication wiring conduits	Front/Side/Rear, ø22 (ø7/8)
6	Drain hole	Connect with the provided drain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

Dimensional drawings

Outdoor Units (14kW)

AC140RXAD*G/EU, AC140BXPDPNH/EU

Units: mm [inches]

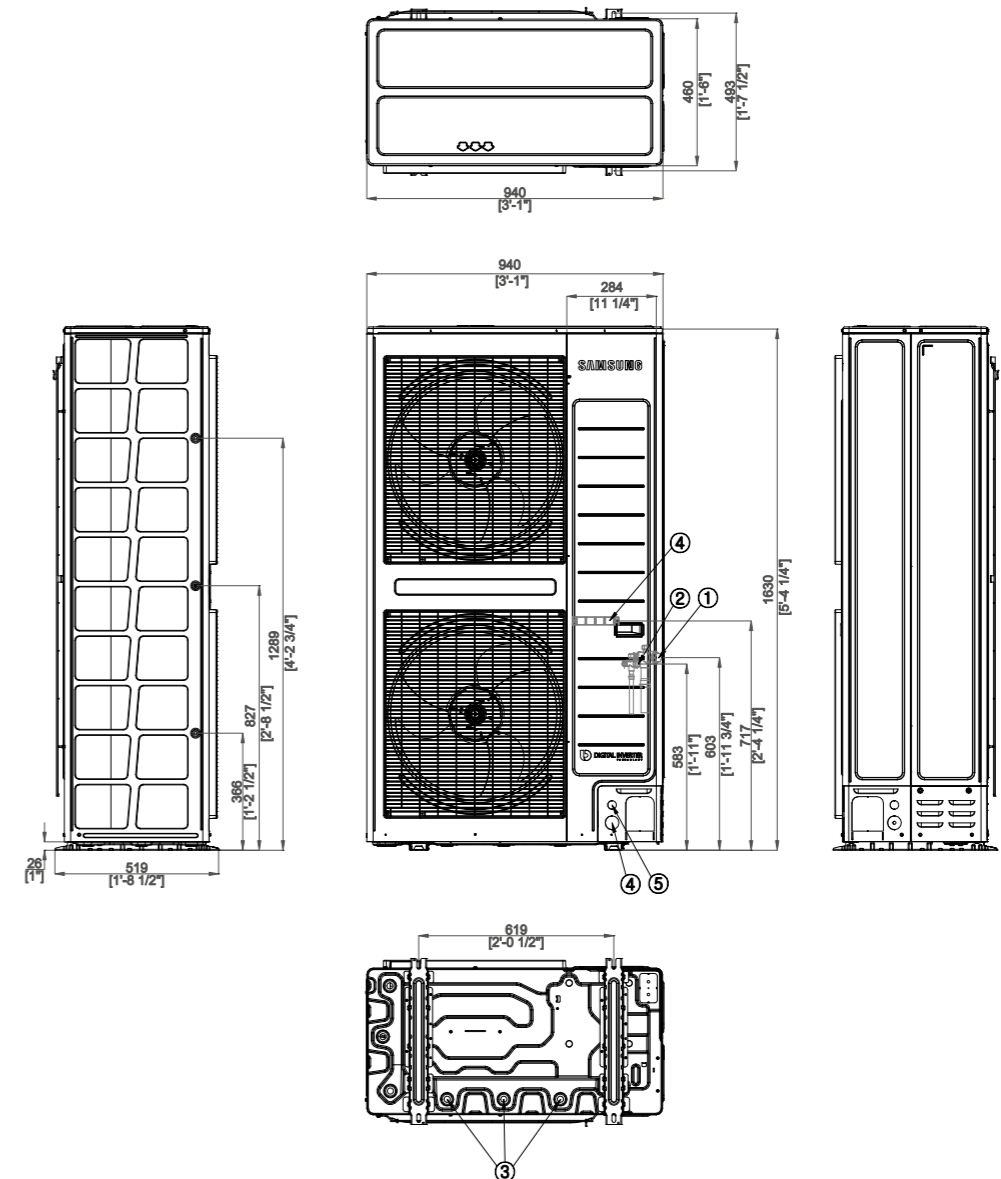


NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knock-out hole	Front/Side/Rear/Bottom
4	Power wiring conduits	Front/Side/Rear, ø34 (ø1 3/8)
5	Communication wiring conduits	Front/Side/Rear, ø22 (ø7/8)
6	Drain hole	Connect with the provided drain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

Outdoor Units (20kW/25kW)

AC200KXAPNH/EU, AC250KXAPNH/EU

Units: mm [inches]



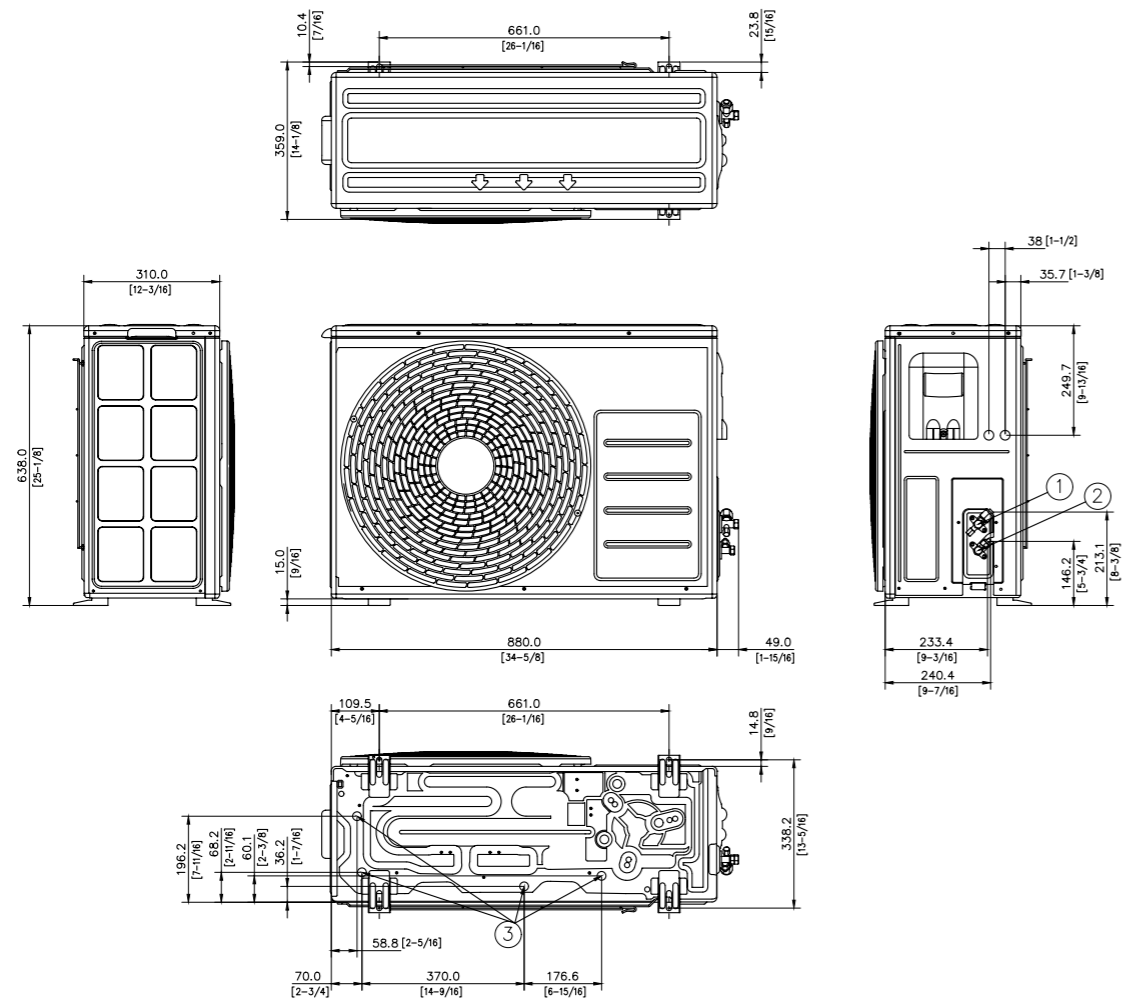
NO	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain hole
4	Power wiring conduits
5	Communication wiring conduits

Dimensional drawings

Outdoor Units HEE (2.6kW/3.5kW)

AC026/035BXAPKG/EU

Units: mm [inches]

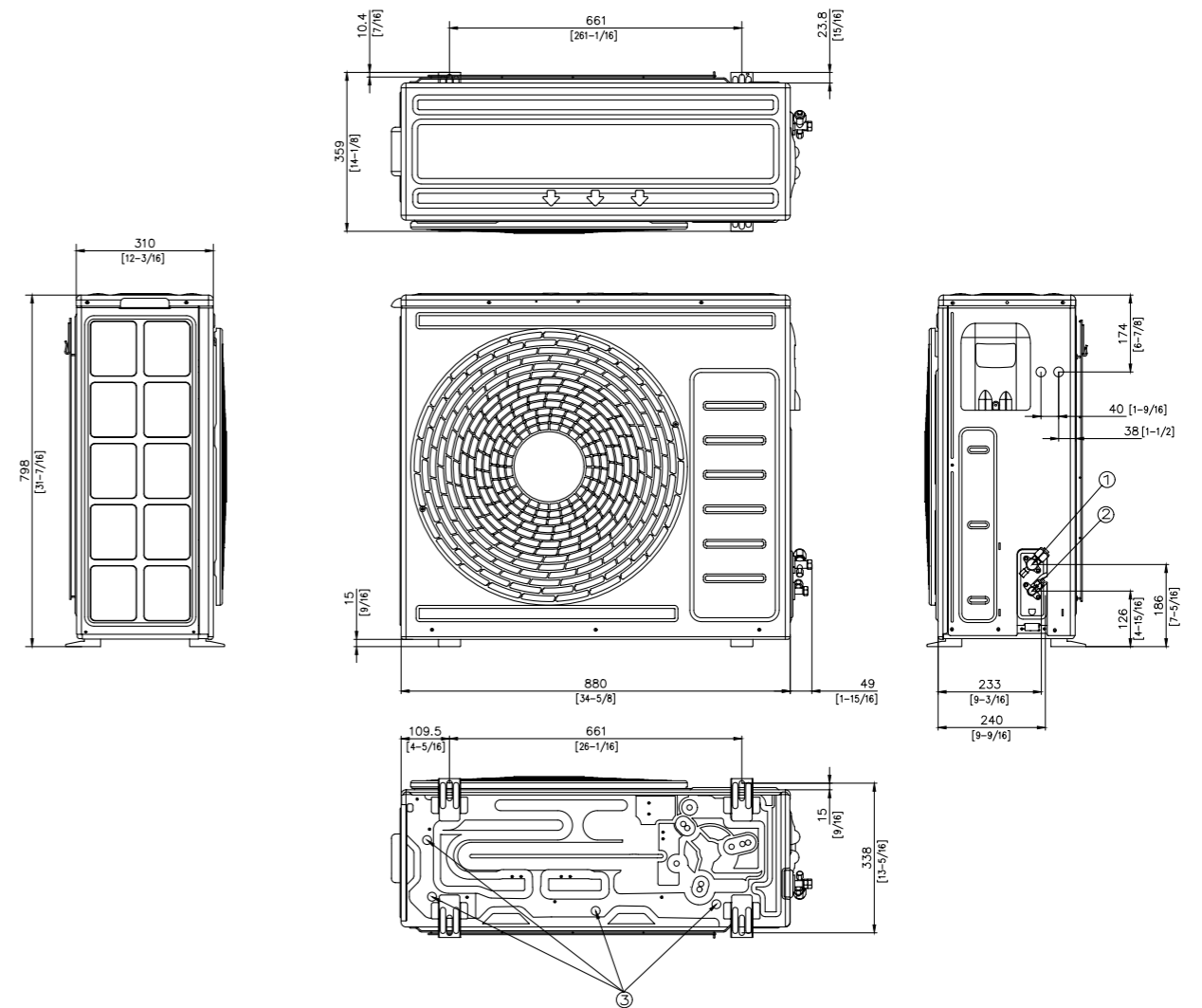


NO	Name	Description
1	Refrigerant gas pipe	ø9.52 (3/8)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain Hole	ø20

Outdoor Units HEE (5.2kW/6.0kW)

AC052BXAPKG/EU

Units: mm [inches]



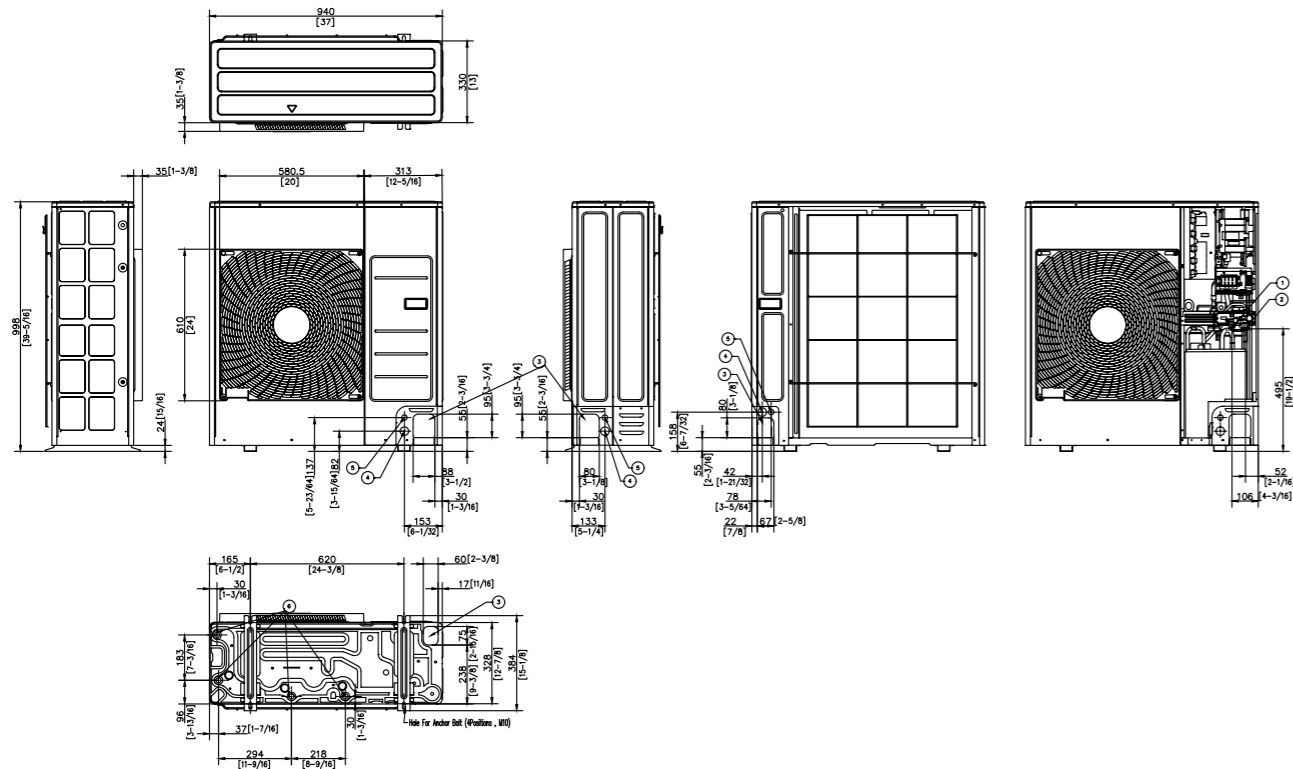
NO	Name	Description
1	Refrigerant gas pipe	ø12.7 (1/2)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain Hole	Connection with the provided drain plug.

Dimensional drawings

Outdoor Units HEE (7.1kW)

AC071BXAPKG/EU, AC071BXAPNG

Units: mm [inches]

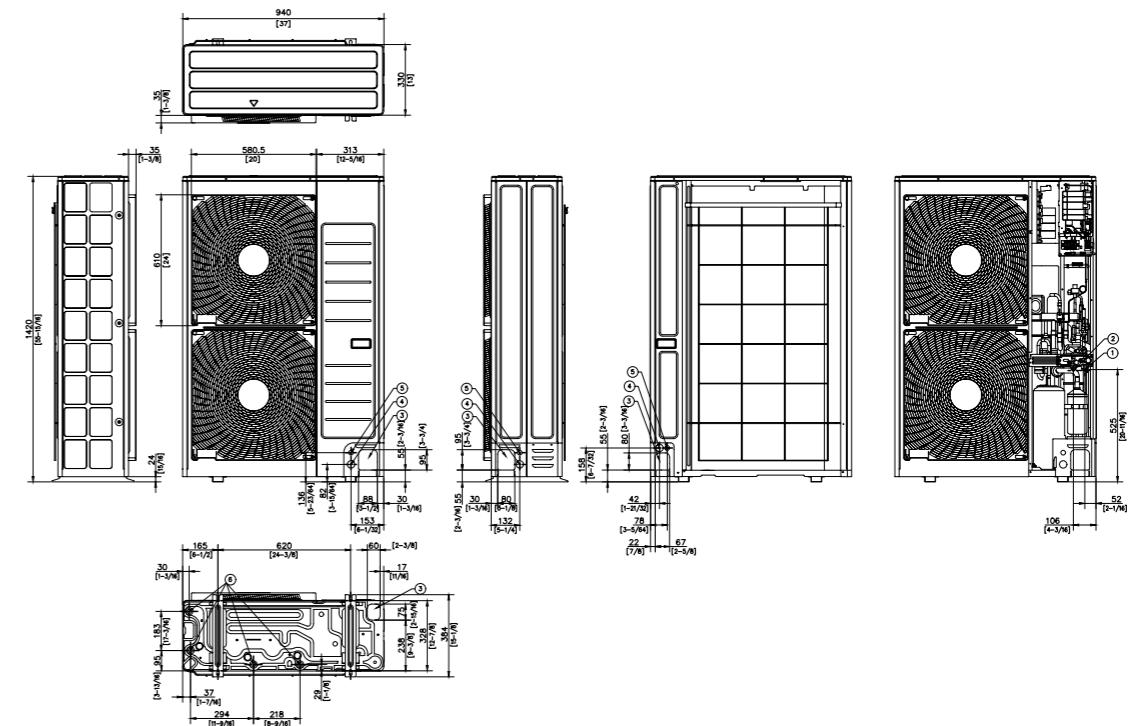


NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knockout hole	Front/Side/Rear/Bottom
4	Power wiring conduit	Front/Side/Rear, ø34 (1-3/8)
5	Communication wiring conduit	Front/Side/Rear, ø22 (7/8)
6	Drain hole	Connect with the provided drain plug.

Outdoor Units HEE (10/12/14kW)

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

Units: mm [inches]































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	Power wiring 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**		FJM, CAC, DVM, FCU ** for CAC HEE
	Wireless Remote Controller	AR-KH03E AR-KH04E**		CAC, DVM, FCU ** for CAC HEE
	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, HVM Chiller
	Touch Centralised Controller	MCM-A300BN	 NEW	FJM, CAC, DVM, ERV Plus
	Wi-Fi Kit 2.0	MIM-H04EN		All (except HVM Chiller & 3rd party FCU)
	Single Wi-Fi kit	MIM-H14EN		CAC HEE Cassette (WindFree™ 4 Way, WindFree™ 4 Way 600x600, 360 Cassette)
Integrated Management System	DMS2.5	MIM-D01AN		DVM, FJM, CAC, ERV Plus, HVM Chiller
	S-NET3	MST-P3P		
	b.IoT Lite Software	MST-BL1A		

	Product	Model	Image	Matchable Products
Gateway System	BACnet Gateway	MIM-B17BN		DVM, FJM, CAC, ERV Plus, HVM Chiller
	LonWorks Gateway	MIM-B18BN		DVM, FJM, CAC, ERV Plus, HVM Chiller
	External Contact Interface Module	MIM-B14 (KEY TAG) MIM-B14A (LEAK DETECTION)		DVM, RAC, FJM, CAC, HVM Chiller
	Modbus Interface Module	MIM-B19N		DVM, FJM, CAC, HVM Chiller
	PIM (Pulse Interface Module)	MIM-B16N		DVM, FJM, CAC, ERV Plus, HVM Chiller
	Interface Module (Converter RS485 to NASA)	MIM-N01		FJM, CAC
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
	Receiver Kit	MRK-A10N		

Features and Dimensional drawings

Individual Control System

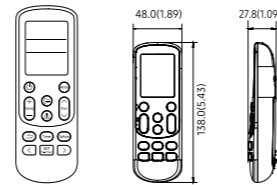
Wireless Remote Controller / SolarCell Remote Controller

- 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



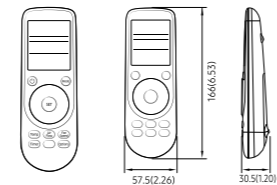
Wireless Remote Controller / AR-EH03E / AR-EH03M / AR-EH04E

- 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



Wired Remote Controller / MWR-WG00JN & MWR-WG00KN

Air conditioner/ERV control

- AC control: ON/OFF, operation mode, temperature setting, fan speed, airflow direction
- ERV control: ON/OFF, operation mode, fan speed
- AC/ERV error monitoring
- Filter cleaning alert and reset alert time
- Control a maximum of 16 "Indoor unit + ERV" in a group with a single wired controller

Energy saving operation

- Upper/lower temperature limit setting
- Automatically stops operating when not used for certain period of time as set by user

Weekly operation schedule setting

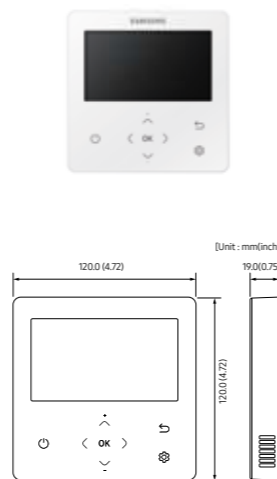
- Weekly operating schedule (A/C only, ERV only, A/C+ERV)
- Set desired AC operation mode, temperature and fan speed to operate based on a weekly schedule
- Apply schedule exception day
- Energy consumption monitoring
- Operation time limit

User convenience function

- Child lock
- Different button permission levels
- Room temperature display
- Dual set point
- Built-in room temperature sensor
- Real-time clock: displays current time and day (summer time support)
- Multiple language support
- Service mode support
- Indoor unit cycle data monitoring
- Indoor unit option code setting and monitoring
- Indoor unit address setting and monitoring
- SD card slot

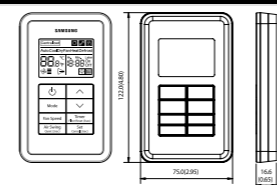
Available languages:

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



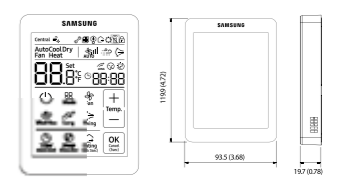
Simple Type Controller / MWR-SH00N

- 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

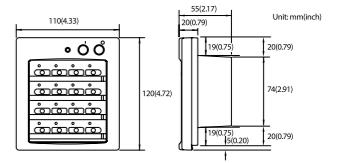
- Bigger Display: clear & bright backlight screen with big fonts
- WindFree™ button: control WindFree™ function with just one click
- Room temperature monitor and room temperature display thanks to the built-in temperature sensor
- Icon/Function Lock: option of restricting icon/function on the display
- 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



Centralised Control System

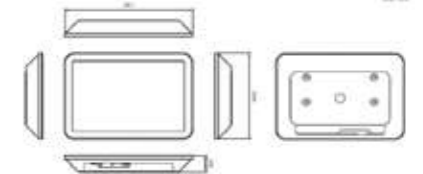
ON/OFF Controller / MCM-A202DN

- 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 2.0 / MCM-A300BN

- Large Display: 10.1 inch touch LCD controller
- Ease of use: Provides a familiar user experience by applying the SmartThings UI style
- Simple and modern design (Slim bezel 15mm, Resolution (pixels) : 1280 x 800 (TFT LCD))
- Harmony with interior, easy to select background image
- Controls max. 128 indoor units
- Can display energy usage for each device (Hour/Day/Week/Year)
- Set detailed schedule according to each zone and indoor unit
- History of error helps to check the cause of failure and take quick action
- History of energy usage (Function available in RTS Q3'24)
- Intuitive control (2D layout view) (Function available in RTS Q3'24)
- Remote control by PC/Tablet (In-site) (Function available in RTS Q3'24)
- Net dimensions (W x H x D): 245.7 x 164.5 x 30.9 mm



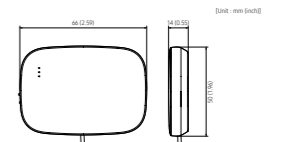
Wi-Fi Kit 2.0 / MIM-H04EN

- 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

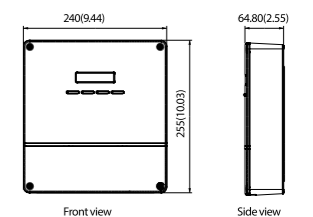
- Single unit control and monitoring
- Control through SmartThings
- Weekly schedule setting



Integrated Control Systems

DMS 2.5 / MIM-D01AN

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



Features and Dimensional drawings

b.iot Lite Software / MST-BL1A

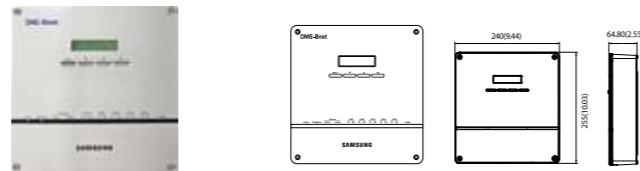
- Integrated building management solution for operational convenience and energy savings
- Open platform which enables integrated control such as DVM, 3rd party devices via BACnet interface
- Suitable for small & medium sized buildings
- Management and remote access control up to 4000 points
- Convenient control authority setting up to maximum 100 clients
- Easy UI experience, HTML5-based Dashboard with a quick overview of customized data for each user
- Operation & error history management: Information on the operation of indoor and outdoor
- Units can be stored in graphs or Excel.
- 2D layout overview provides location-based intuitive monitoring by visualizing the location of DVM on the drawings of each building and floor.
- Energy consumption trend/ energy target setting/tenant based power usage
- Intelligent Energy Management help to provide more precise energy saving with data-based intelligent controls via algorithms, energy leakage detection and energy distribution
- Weekly/Daily schedule control
- Individual/Group/Zone control
- Data-based comfort control prevents overcooling/overheating by calculating the proper temperature in consideration of climate and human factors (clothing and activity)
- AI learning based pre-cooling/heating energy saving control predicts time to reach target temperature by learning temperature change and air conditioner setting
- Price Response Control helps to reduce energy consumption and operation costs by controlling indoor temperature and outdoor unit performance by responding to the rates fluctuating by the time of the day.
- Mandatory Hardware requirements: 2.5 GHz CPU, min 32GB RAM, Hard disk or SSD with capacity of 2 TB, 10/100/1000 Base-T(RJ-45 Connector) LAN Card and 1920 x 1080 resolution Display
- Mandatory Software requirements: Windows 10/11 64-bit Chrome browser is recommended (60.x.x or newer)



Gateway System

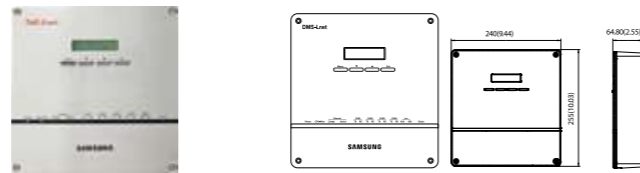
BACnet Gateway / MIM-B17BN

- 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



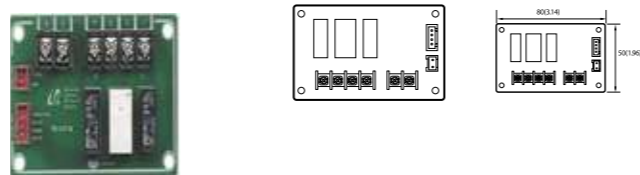
LonWorks Gateway / MIM-B18BN

- 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



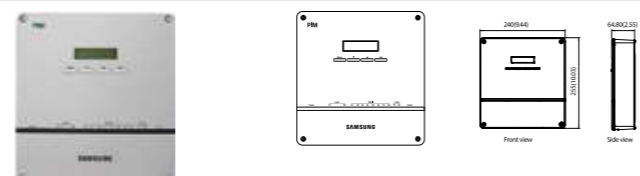
External Contact Interface Module / MIM-B14

- 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

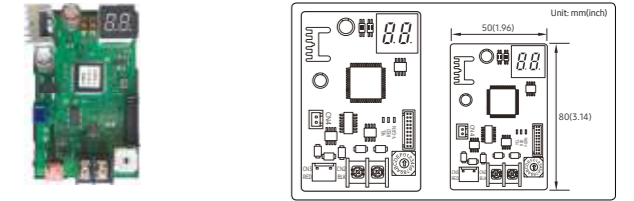
- The Watt-Hour Meter Interface Module can be exclusively used for DMS 2.5 power distribution, displaying power consumption for each watt-hour meter.
- Exclusive use for DMS 2.5 power distribution
- Connection with up to eight watt-hour meters
- Pulse interface with watt-hour meters
- Watt-hour meter - by third party



Modbus Interface Module / MIM-B19N

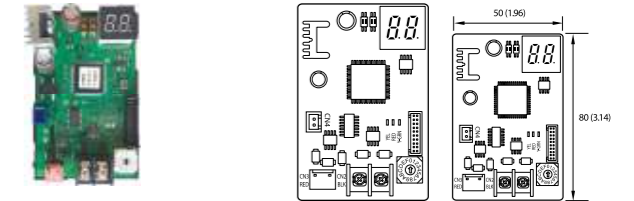
A BMS or 3rd controller can control a Samsung SAC by using the Modbus protocol.

- 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

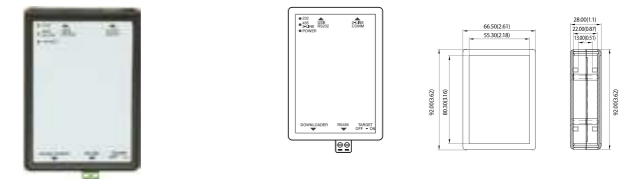
- Communication interface module between outdoor units and the upper level controller which makes use of a different type of communication
- Connect one interface module to one outdoor unit
- Individual control - maximum of 48 indoor units
- Group control - maximum of 16 groups
- Automatic detection 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



Installation/Test Run Solution

S-Converter / MIM-C02N

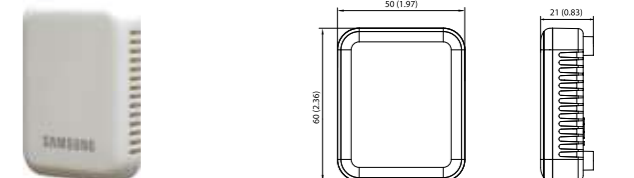
- Communications converting module to connect Samsung system air conditioner to a PC.
- Main purpose for use
 - To connect with test run programme [Test run programme]
 - S-NET Pro: Conventional communication
 - S-NET Pro2: New communication



Others

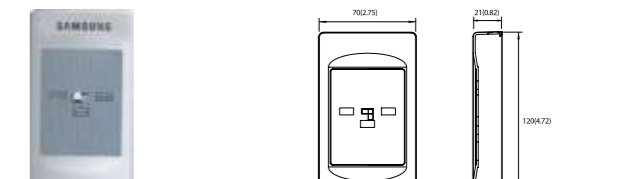
External Room Sensor / MRW-TA

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



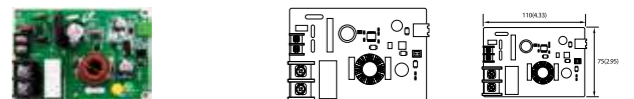
Operation Mode Selection Switch / MCM-C200

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



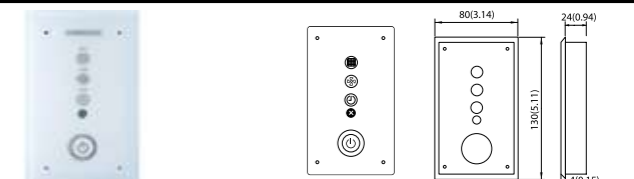
MTFC (Multi-Tenant Function Controller) / MCM-C210N

- 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



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)



Touch Centralized Controller 2.0

A 253.5mm LCD display with touch controls eliminates the physical buttons from the front. Its minimalist design, which is fully covered in glass with a narrow metallic frame, means it simply blends with any interior style while improving usability.

Operation Summary

Quickly monitor the number of devices in operation or to be serviced at a glance.



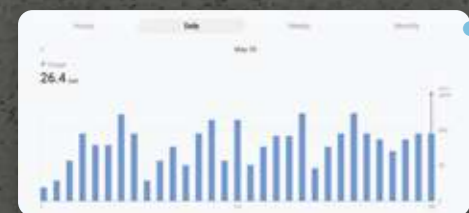
Scheduling

Simply set the operation schedules of multiple devices - all at once or individually.



Energy Usage Monitor

Efficiently manage energy use by visually comparing the real-time consumption with the previous periods*.



* Detailed view of energy consumption**

* By day, week, month and year.
** Available in 2024.
*** The information provided includes estimated figures intended solely for illustrative and indicative purposes. Actual consumption depends on various factors and other usage conditions.

Air Quality Monitor

Check the real-time air quality of each room in your workplace at a glance.

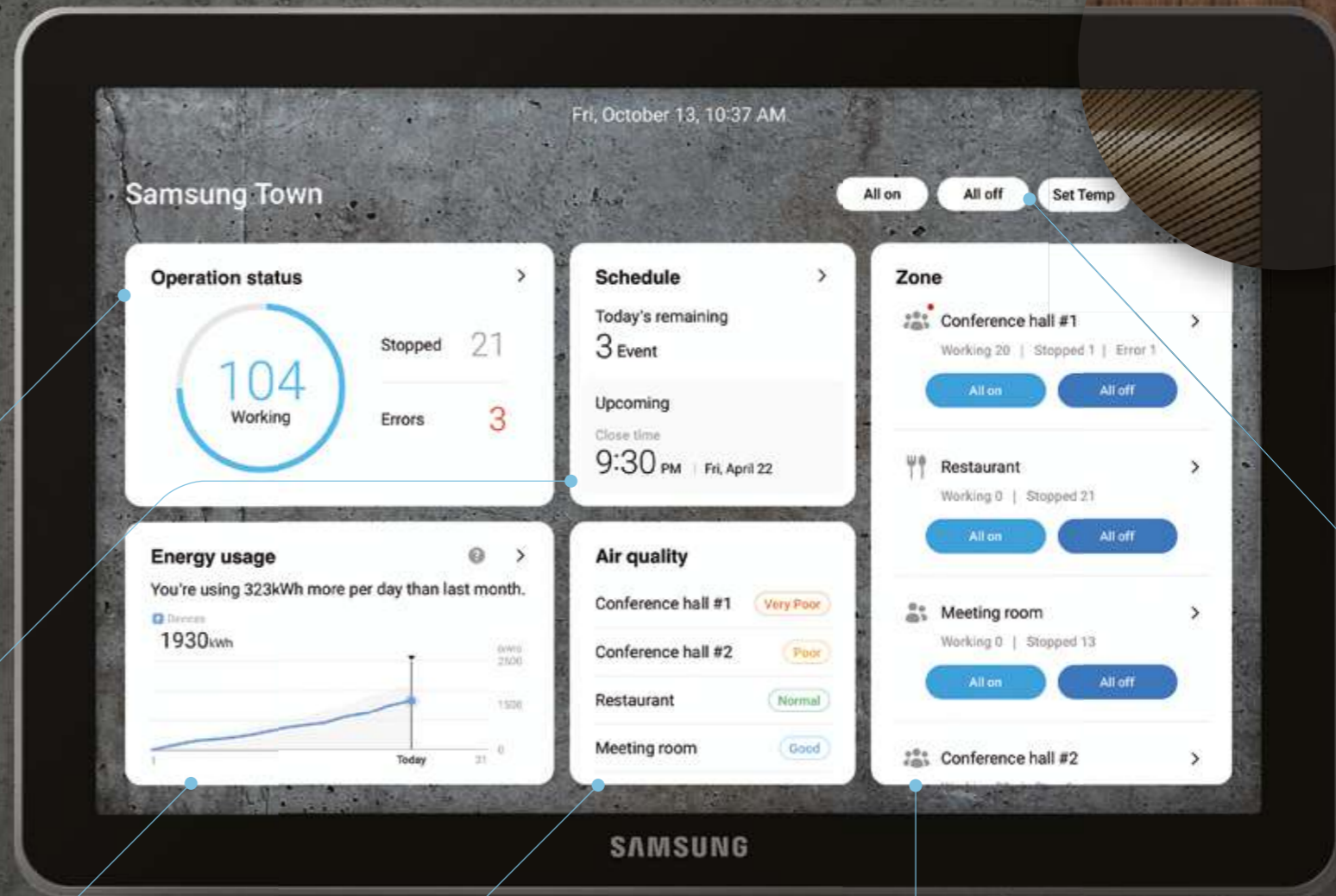


* Detailed view of the real-time air quality*

Customizable to harmoniously blend into your space

The cover screen and home screen can be easily customized as you want. Simply select your favorite wallpaper from the gallery or upload your own one* to suit your taste and interior style.

* Only PNG, GIF and JPG format images with a file size of less than 10MB are supported.



Zone Control

Set zones, based on the location, usage and operating time, to efficiently monitor and control devices simultaneously.



Multi-device Control

Control all devices at once, including power on/off, modes and temperatures.



* The screen image is for illustrative purposes only and may differ from the actual user interface on your controller based on the OS version and actual usage situation.

* The above product image has the same dimensions as the actual product.

* Available in 2024. Only available when using certain indoor units that have an Air Quality Sensor.

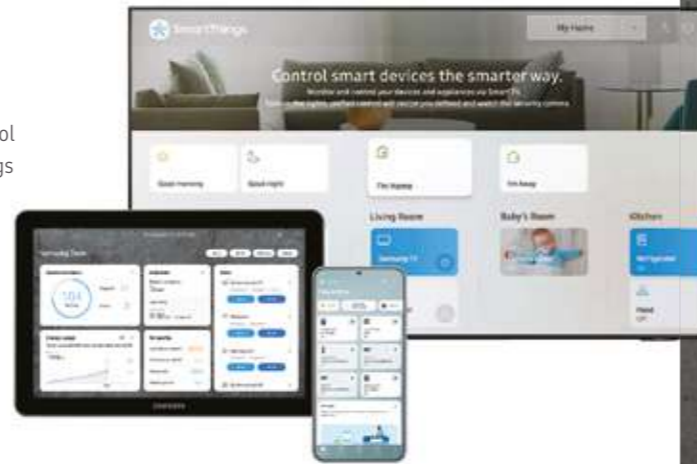
Intuitive Control

SmartThings Style UI

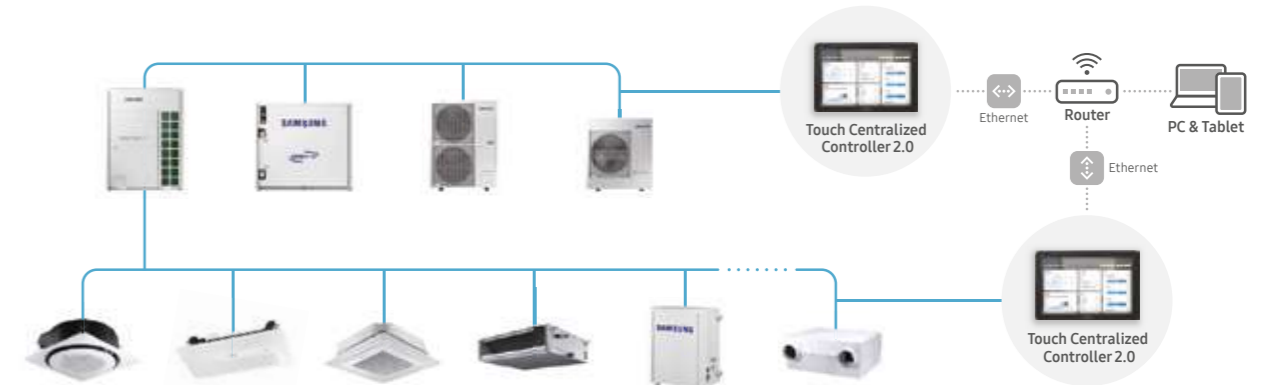
With a simplified layout and icons, you can easily monitor and control the entire system from one spot. If you are familiar with SmartThings then you will intuitively know how to use it.

- Consistent user experience across Samsung appliances, based on SmartThings and One UI
- High Visibility with a simple layout and icons
- 2D Layout view*

* Available in 2024.



System Configuration



* Please contact your installer or sales expert of Samsung Air Conditioner to connect to ventilation systems (* shown above), including the Samsung ERV and ERV Plus.

* Ethernet connectivity will be available in 2024.

* The number of devices (indoor and outdoor units) that can be connected will differ based on the location of the controller's connection ports.

Efficient Management

Dashboard on the Home Screen

Intuitively check the current status and easily control everything in your workplace. From scheduling to the MDS*, you can automate the performance of the air conditioning to optimize your comfort and energy savings.

- One-stop scheduling on multiple devices and zones
- Quick access to the settings for the MDS*
- Electric Current Control** for balancing the energy load

* MDS: Motion Detection Sensor.
** Available in 2024.



Effortless Service

Service History

Get a real-time notification when an error occurs, and view the history of any troubleshooting at a glance. Based on the accumulated data, errors can be quickly addressed and solved.

- Real-time notification of errors
- Troubleshooting history management of up to 1 year



Specifications

- Dimensions (WxHxD in mm) 245.7 x 164.5 x 30.9
- Display Size (WxH in mm) 215.2 x 134 (253.5mm TFT LCD)
- Display Resolution (WxH in px) 1,280 x 800



Model Name		MCM-A300BN*	
Connection	Indoor Units	Up to 128	
Layer	Set (F1/F2)	0	
	Control (R1/R2)	0	
Hardware	Power Supply	DC 12V (Adapter: AC 100-240V, 50/60Hz)	
	Memory	RAM	3 GB
		Flash	16 GB
	External Port	DI/DO	2 EA / 2 EA
		SD Card Slot	Micro SD 1 EA
		RJ45 (LAN)	1 EA (1 Gbps)
Expandable Device	RS485 (NASA)	Quantity: 2 EA	
	F1, F2 Wiring	1 Outdoor Unit per Port / Up to 64 Indoor Units per Port	
	R1, R2 Wiring	Up to 16 Outdoor Units per Port (including Module) / Up to 128 Indoor Units per Port (Port 1 + Port 2)	
Software (Function)	Energy Saving	0	
	Power Consumption	0	
	Air Quality	0	
Expandable Device	In-site (Connection with Local Network)	PC/Tablet	
	Supported Browser (PC/Tablet)	Web (Chrome)	


















* Some features (including 2D Layout View, Trend Data (Back-up), Energy Saving, Expandable Device) will be available in 2024.






* Features and specifications are subject to change without notice for the improvement of performance.



Accessories

Line-up

	Motion Detect Sensor					
360 Cassette Front Panel						
	PC4NUDMAN White Square	PC4NBDMAN Black Square	PC4NUNMAN White Circle (Exposed installation)	PC4NBNMAN Black Circle (Exposed installation)	MCR-SME (with white square panel)	
WindFree™ 4-Way Cassette Front Panel					 	
	PC4NUFMAN WindFree™ 4-Way 900 x 900 Cassette	PC4SUFMAN WindFree™ 4-Way 600 x 600 Cassette			MCR-SMC 900 x 900	MCR-SMD 600 x 600
WindFree™ 1-Way Cassette Front Panel						
	PC1MWFMAN WindFree™ 1-Way Cassette (1.7-2.2 kW)	PC1NWFMAN WindFree™ 1-Way Cassette (2.8-3.6 kW)	PC1BWFMAN WindFree™ 1-Way Cassette (5.6-7.1 kW)			
Air Purification Panel *for only CAC & DVM						
	PC6EUCMAN 360 Cassette	PC4NUCEAN WindFree™ 4-Way 900 x 900 Cassette	PC1NWCMAN WindFree™ 1-Way Cassette (2.8-3.6 kW)			
Auto Elevation Panel *for only CAC & DVM						
	PC6EUXMAN 360 Cassette	PC4NUXMAN WindFree™ 4-Way 900 x 900 Cassette				

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-N0475NC1D	HSP Duct (22.4/28.0 kW) Fresh Air Intake Duct (14 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

Design and support



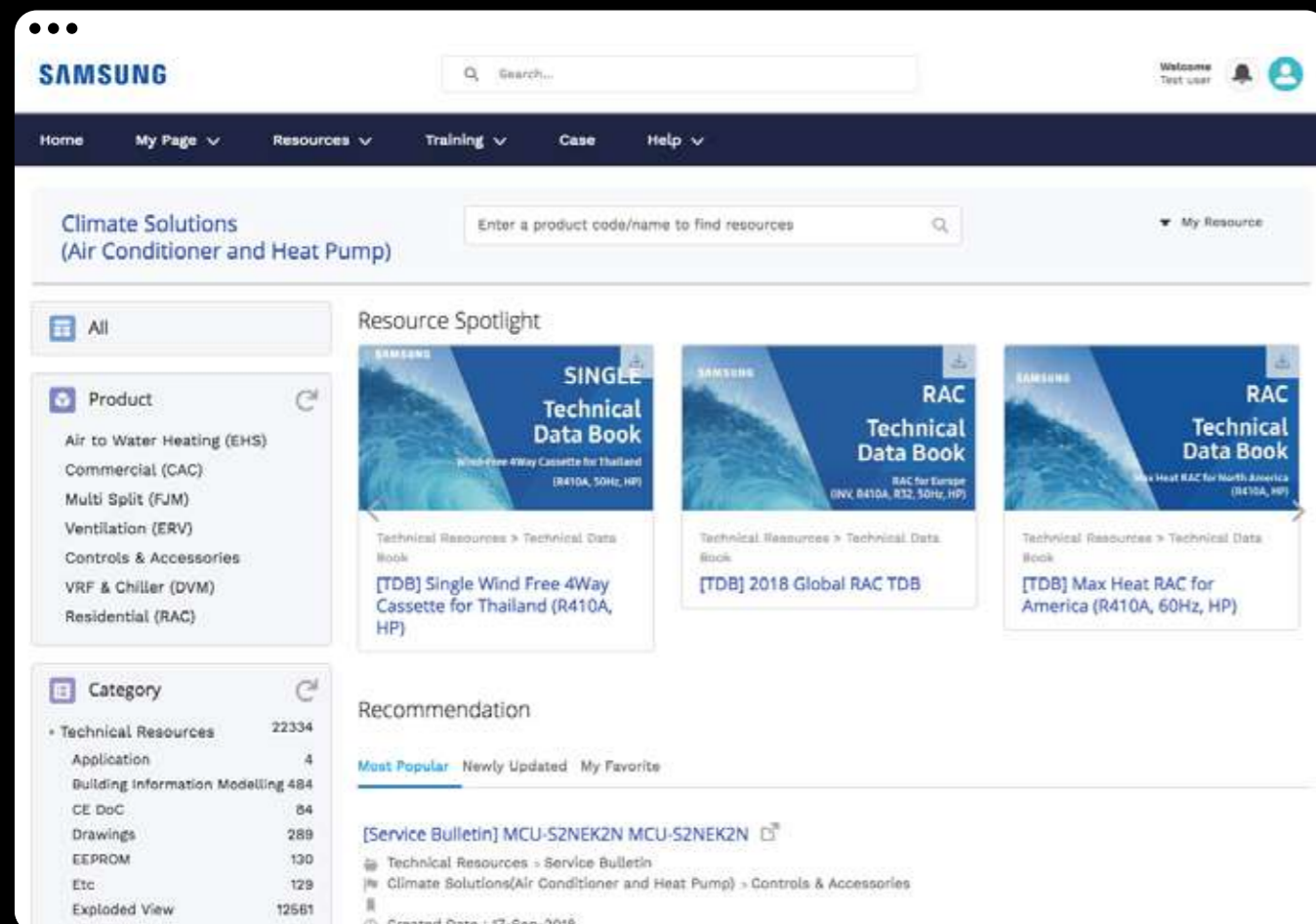
Samsung Climate Solutions Partner Portal

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

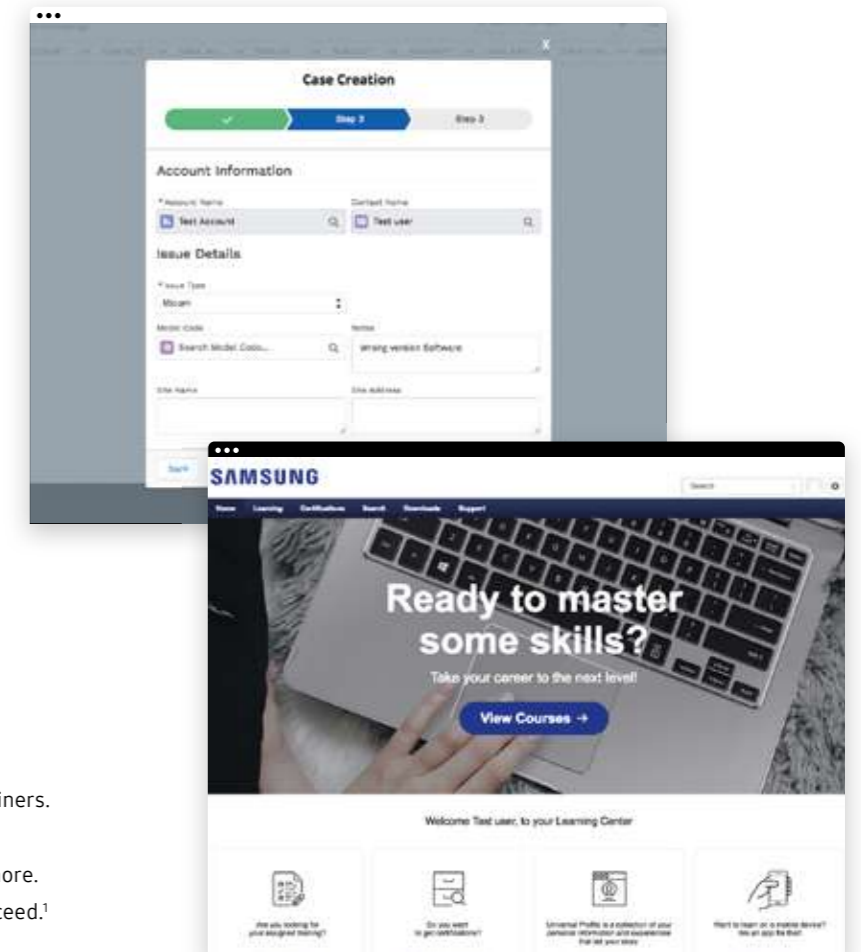
The Technical Resources section provides you with all of the relevant information you need to understand the product's functionality and to prepare and design projects. A library full of

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.

DVM Pro 2.0

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

Control systems

Automatic control unit selection

Updated Toolbar

User-friendly tool bar helps to guide intuitively

Piping schematics

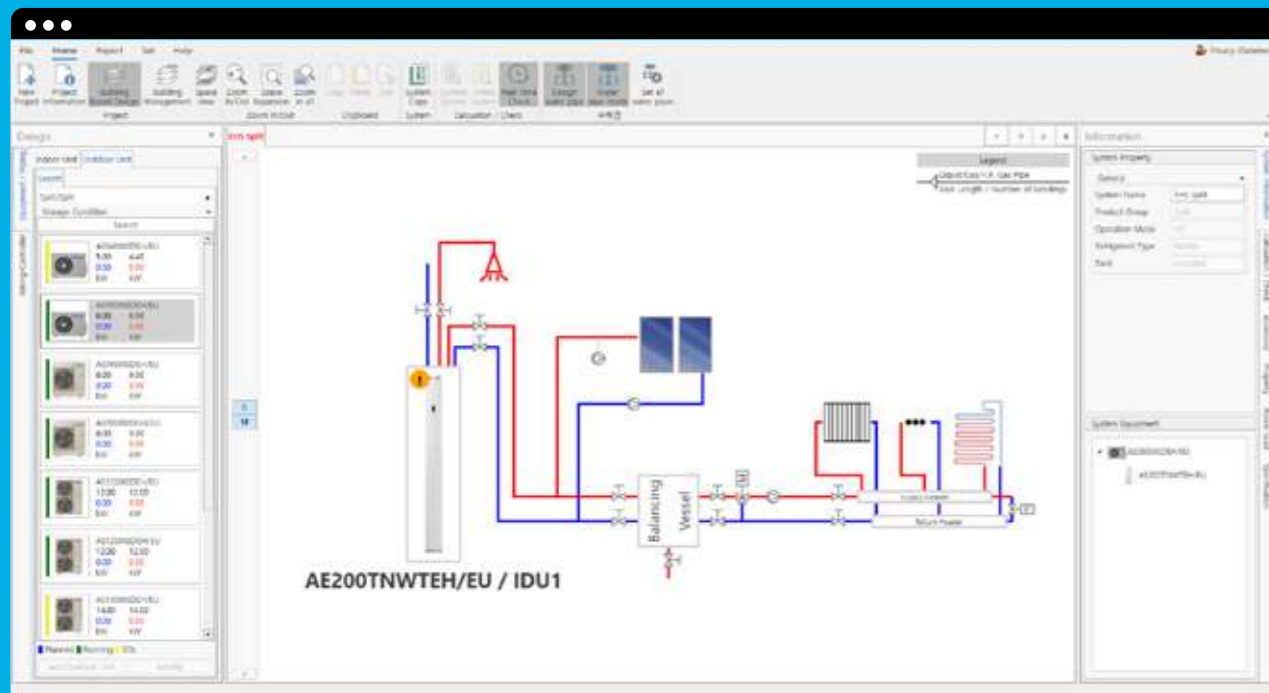
Basic or manual selection with system check and capacity simulation

Wiring schematics

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

Reports

Specifications, diagrams in DWG & BMP format, quotations



CAD Mode

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

Pipe sizing & lengths

Automatic pipe drawing and selection

Automatic selection and report

Specifications and diagrams

System check

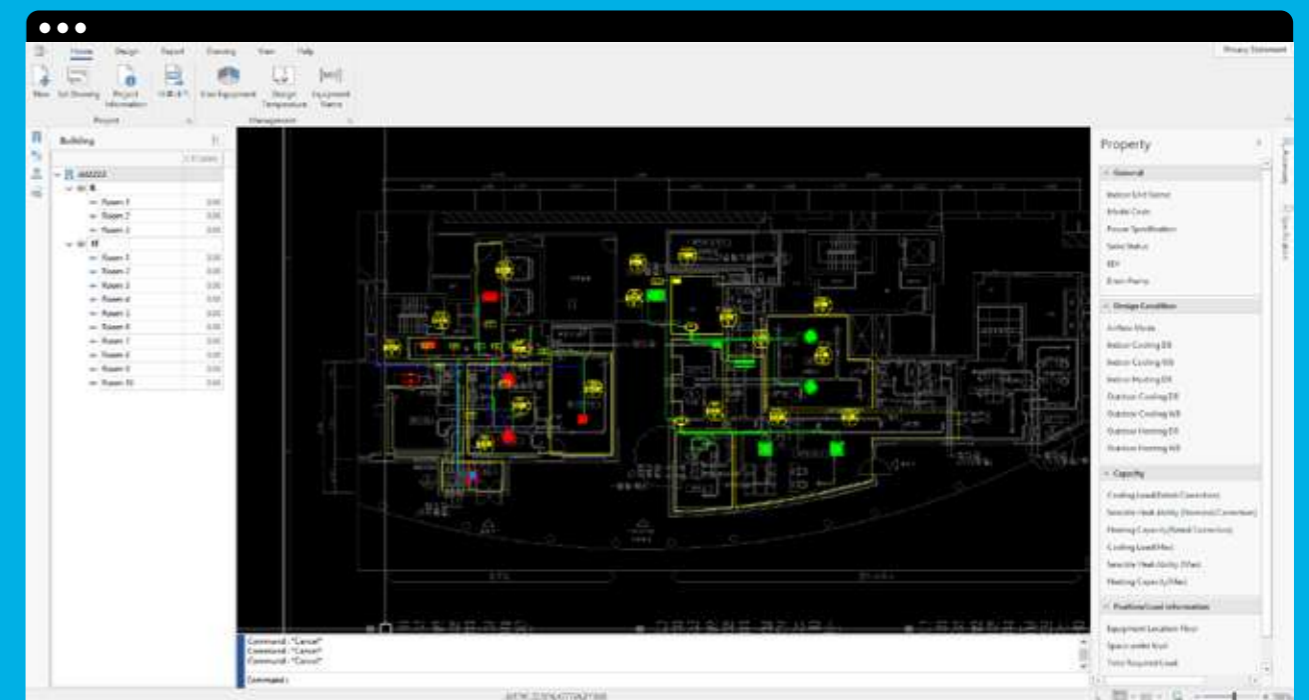
Installation regulation & refrigerant charging

Design without AutoCAD

Exportable in DWG format

Performance simulation

Capacity correction tool against specific design conditions



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

How to access



1. Register

Go to dvmpro.mkt.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.



2. 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.



3. Download

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

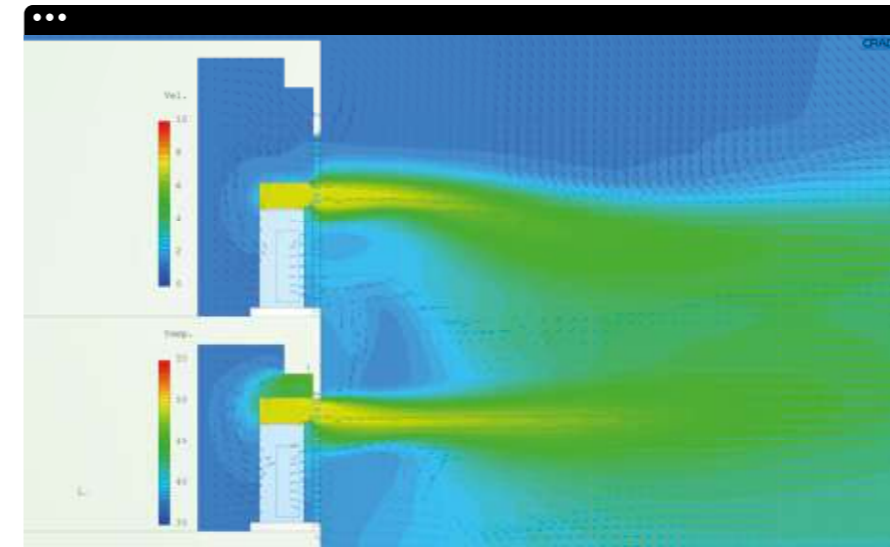
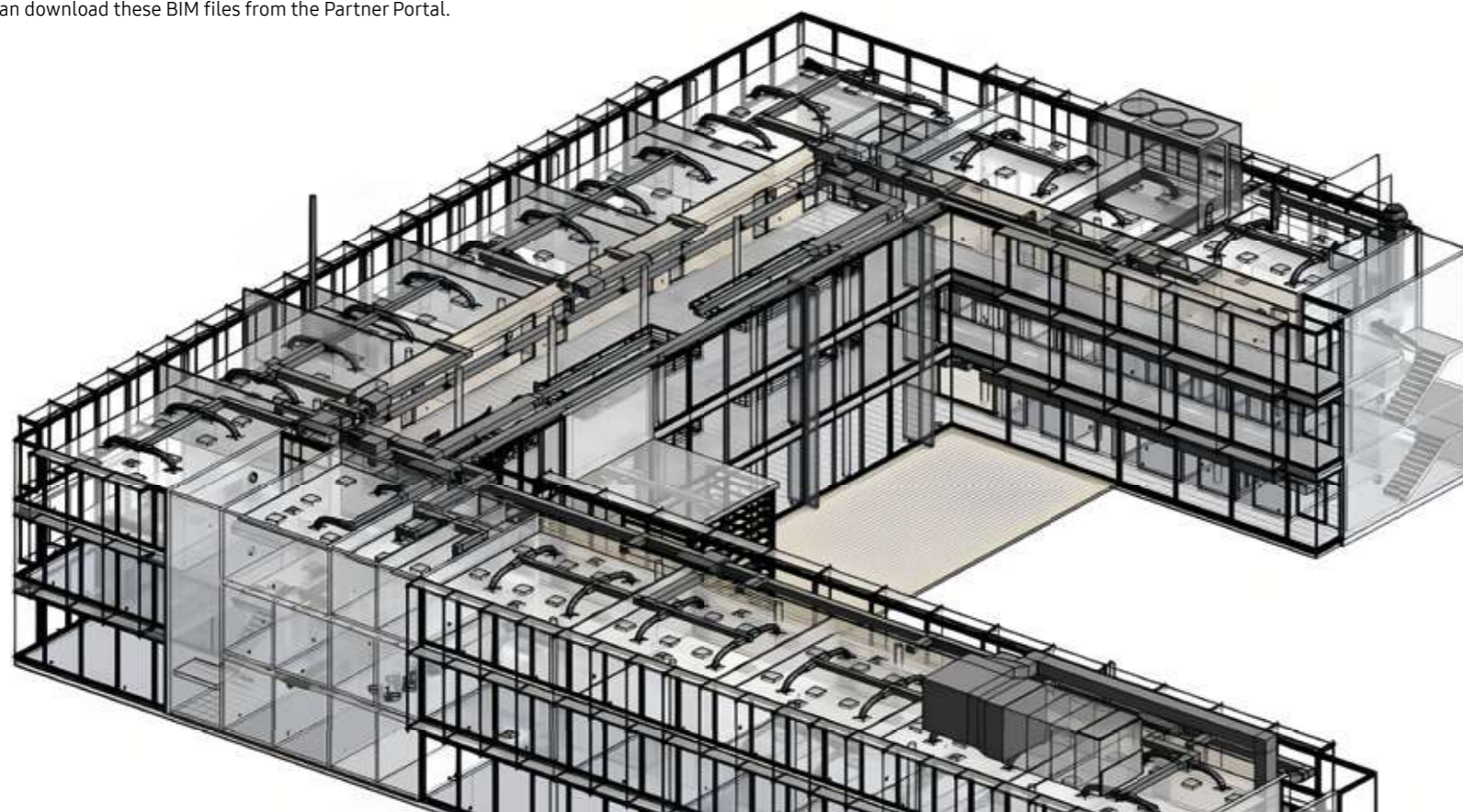
Samsung specialist design support

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. You can download these BIM files from the Partner Portal.



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.

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

How to obtain support



1. BIM support

To download Samsung BIM models, go to the Technical Resources on partnerhub.samsung.com/climate¹. To request dedicated project design support from Samsung, please contact your Samsung representative.



2. CFD analysis

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



3. 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

1

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

2

Advanced courses

Design training

- Understanding customers' needs and offering possible solutions
- DVM Pro 2.0 - Samsung's advanced design tool
- Case studies

3

Samsung training centres in Europe

Amsterdam

The Netherlands

Athens

Greece

Chertsey

United Kingdom

Lisbon

Portugal

Lyon

France

Madrid

Spain

Mansfield

United Kingdom

Milan

Italy

Warsaw

Poland



How to register for training



1. Select

Go to partnerhub.samsung.com/climate and search the online event calendar to select the training course you want to attend.



2. Register

After identifying the training course you would like to attend, follow the registration process.



3. Participate

You will be trained by one of our specialised Master Trainers or Product Specialists in one of our training centres.



4. Get certified

After completing the training, you will receive a Certificate of Completion.

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Find your flow.

Create your perfect environment

Learn more about Samsung Climate Solutions at:
samsung-climatesolutions.com

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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