SAMSUNG



Residential & Light Commercial

Product Catalogue

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

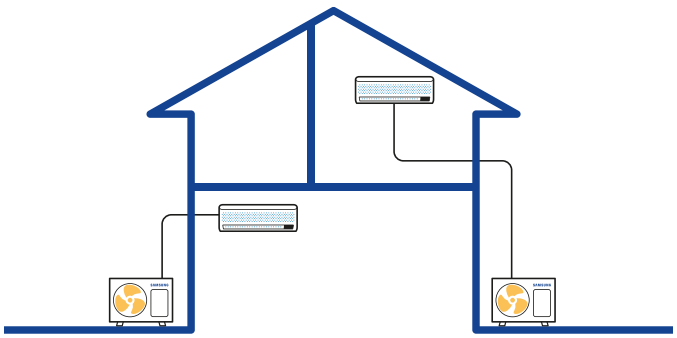
Our flagship innovations that enrich people's lives

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Product overview

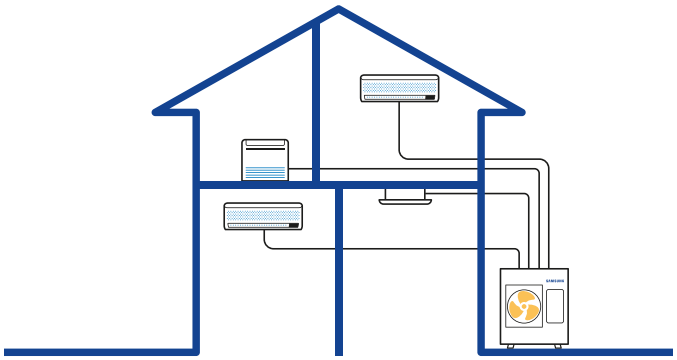
Single Split

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



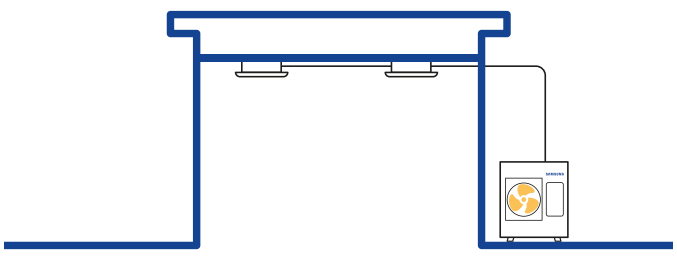
Multi Split

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



Commercial Split

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

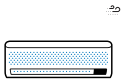


Available Samsung product range

indoor units

outdoor units

controls



Wall-Mounted

360 Cassette

4-Way Cassette

1-Way Cassette



R32



Wireless



Wired

Duct

Floor

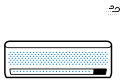
Ceiling

Console

R410A

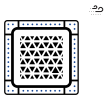


Centralised

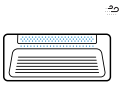


Wall-Mounted

360 Cassette



4-Way Cassette



1-Way Cassette



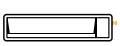
R32



Wireless



Wired



Duct

Floor

Ceiling



Console

R410A



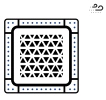
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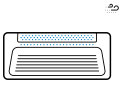
Wall-Mounted



360 Cassette



4-Way Cassette



1-Way Cassette



R32



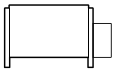
Wireless



Wired



Duct



Floor



Ceiling



Console



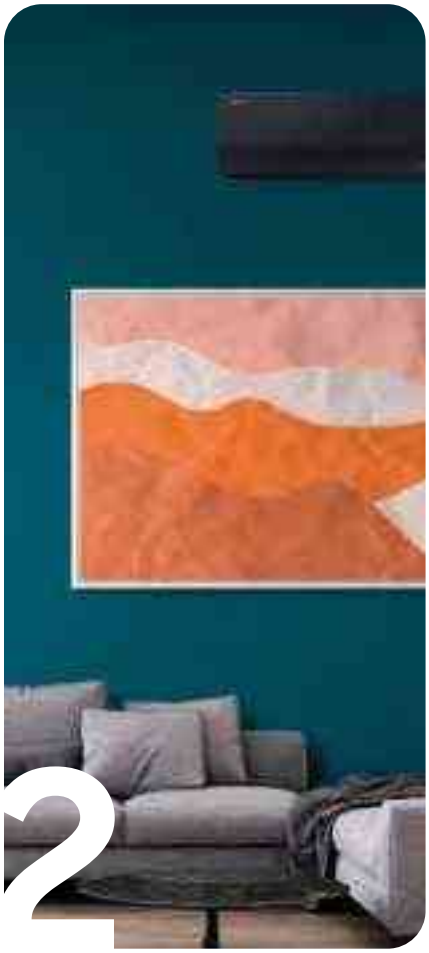
R410A



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.

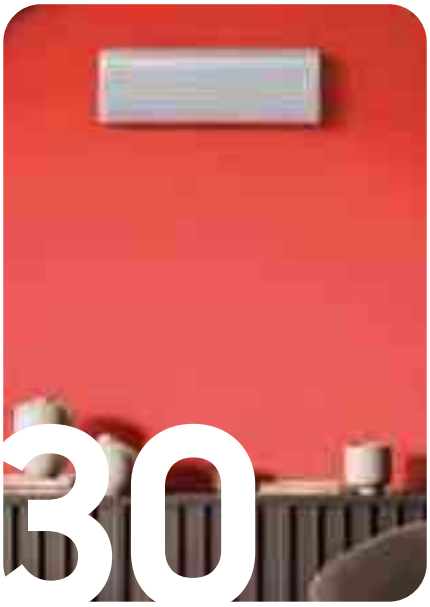
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Design and support

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

This document may either contain preliminary values or may lack some values that were not yet available at the time of creation. To obtain the latest information, please consult the Samsung Climate Solutions Partner Portal at **partnerhub.samsung.com/climate** or contact your Samsung representative.

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.



Our market-centric product ranges

<table>
<tr><th>Home</th><th>Apartments</th><th>Hotel</th><th>Retail</th><th>Office</th><th>Education</th><th>Restaurant</th><th></th></tr>
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</table>

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.

2025

Samsung reveals the enhanced residential air conditioning line-up for 2025. A new range with advanced technologies that cater to the many different needs of modern living.



Our European footprint with the locations from which we operate



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

Highlights

The new WindFree™ range with advanced technologies for many different needs of modern living

The enhanced residential air conditioning line-up for 2025 comprises climate solutions designed to provide optimal comfort and improved indoor air quality[1] for homes.





[1] Easy Filter Plus is available for WindFree™ Elite S2, WindFree™ Avant S2 and WindFree™ Avant Black S2



Stylish solution

The Samsung **WindFree™ Avant S2 Black** addresses the growing demand for stylish home appliances that complement modern living spaces. With smart climate control and enhanced indoor air quality, it seamlessly combines functionality with elegance to elevate comfort in the home.

No cold drafts

WindFree™ Cooling mode helps to cool wider and larger areas evenly and comfortably. It disperses the air through 23,000 micro-holes, cooling gently and quietly[1] and preventing cold drafts. This results in a 'Still Air' environment[2] with a low air speed and limited noise[3].



Efficient and precise cooling

The Motion Detect Sensor (MDS) allows users to cool their home efficiently even when no one is present. If no movement is detected for 20 minutes[4], the system switches to WindFree™ mode, reducing cooling capacity and energy usage while maintaining comfort. Additionally, the unit can be set to avoid blowing air directly at occupants or to follow their movements around the room. Users can customise the MDS detection time using the SmartThings app[5].

Cleaner indoor air

The Tri-Care Filter[6] helps to keep indoor air cleaner. 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, allergens and helps to reduce certain types of viruses and bacteria in the air[7]. The filter also supports the performance of the heat exchanger.

Easy access to the filter

The Easy Filter Plus, which is conveniently located at the top of the unit, makes it easy to remove and clean the filter without opening the cover. The filter's special coating enhances its ability to trap airborne contaminants[8], improving indoor air quality.

Easy maintenance

The Freeze Wash[9] function makes the unit easy to maintain for users, without the help of a professional. Reducing the temperature of the heat exchanger of the indoor unit to -15°C creates a layer of frost on it. Switching to defrost mode then melts the accumulated ice, which helps to remove certain pollutants in the heat exchanger[10].

Manage remotely

Users can adjust and control their air conditioner even when they are not at home using the SmartThings App[6]. They can turn it on or off, select the cooling mode, schedule the air conditioner's operation and monitor power consumption.



works with | amazon alexa

Bixby

works with Hey Google

Intelligent climate control

AI Auto Comfort offers intelligent climate control[11]. It automatically optimises the various modes by analysing room conditions and usage patterns[12], simplifying climate control. The unit automatically switches to the most appropriate cooling and heating mode (WindFree™, Fast and Normal Cooling and Heating) to maintain optimal and comfortable room conditions, based on individual preferences. Compatibility with Bixby 2.0[13] enables users to give voice commands to adjust indoor conditions accordingly.

[13] 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.
[2] 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.
[4] In normal default mode. End user may adjust the time interval by selecting Eco or Comfort mode or through SmartThings. The absence of movement is tracked after a minimum of five minutes and maximum of 60 minutes for each interval.
[5] A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.
[6] Easy Filter Plus is available for WindFree™ Elite S2, WindFree™ Avant S2 and WindFree™ Avant Black S2.
[7] 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).
[8] Tested in Korean test lab (FITI). Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use. The airborne contaminants referred to are Escherichia coli ATCC 25922, Staphy lococcus aureus ATT 6538.
[9] Freeze Wash functionality is available on all WindFree™ (RAC) air conditioning units in 2025.
[10] 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.
[11] AI = Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required.
[12] 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.
[13] Bixby is Samsung's voice interface assistant. A Wi-Fi connection and a Samsung account is required. Currently Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish and Portuguese. Voice control is supported by 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.

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 and SmartThings ready panels (WindFree™ 4 Way, WindFree™ 4 Way 600x600, 360 Cassette)



SolarCell Remote Controller

Samsung introduces the SolarCell Remote controller to its residential air conditioning line-up[1]. The new SolarCell remote controller focuses on innovative charging, slim design and easy usability 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. 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[2].



[1] The SolarCell Remote Controller is included with the WindFree™ Elite and WindFree™ S2 models and Cebu S2.
[2] Compared to the conventional infrared remote controller for example, the AR-EH03.



Reference Project

Junction
Manchester Central, UK

Junction is more than just a bar, restaurant, cafe and workspace; it is a unique social hub in the heart of the city centre. The most notable thing about this project is its iconic city-central location and building next to Manchester Central.







What were the challenges in this project?

A key feature of the architect's design was circles and clean lines, from the lighting to the ductwork diffusers, so the Samsung 360 circular cassettes were the natural choice to blend in seamlessly. The intentional integration of the HVAC equipment into the design ensures that functionality and style coexist, making the space feel expansive and comfortable while complementing the venue's overall architectural vision.

There are different ceiling types from the exposed, industrial look to solid ceiling, so the 360s versatility was key, being available with corner panels for building into the ceiling. Where the structural ceiling was exposed all the service pipework and equipment was on show, therefore, the project's success hinged on meticulous attention to detail, from ensuring high-quality finishes to creating an inviting atmosphere that meets both aesthetic and functional standards.





Amelia Richards, Business Development Manager at Rische Group said of the project: “As the Principal Contractor, Rische Group faced an exciting challenge of transforming this space into a vibrant bar, restaurant, and social workspace - a versatile hub designed for a diverse audience. Samsung’s 360 Cassette units stand out not only for their innovative circular design but also for their reliable performance and adaptability in commercial environments. A consistent supply chain is important to ensure our project remained on schedule and is one of the key reasons for choosing to work with Samsung. Its advanced air distribution technology enhances comfort and efficiency and its stylish design left our team with no option but to choose Samsung.”

Reference Project

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



360 Cassette



WindFree™ 4-Way Cassette



Ceiling unit



Wall-Mounted



Commercial Split Outdoor Unit


SUMUSTINIAI

Regulations and standards

Samsung is committed to delivering innovative products and technology that enhance customer experiences while adhering to relevant regulations. We continuously monitor and comply with applicable industry standards and regulations, ensuring our operations meet the legal and regulatory requirements. Our ongoing research and development efforts span across all phases of product development, from design and production to distribution, use, and disposal.

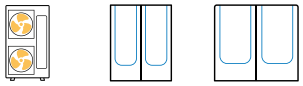
Ecodesign legislation

The Ecodesign Directive is a key regulatory framework aimed at reducing the energy consumption of energy-related products, while encouraging manufacturers to bring the most efficient technologies to market. The Directive applies to a broad range of cooling and heating products, which are categorized into different product groups known as Ecodesign Lots.

Ecodesign Lot 10 has been applicable since 2013 and covers air conditioners with a capacity less or equal than 12 kW, typically used in residential or light commercial applications. Products within this Lot need to meet certain energy efficiency requirements and display an energy label to inform consumers of their performance.

Ecodesign Lot 1 & 2 have been applicable since 2015 and include residential air-to-water heat pumps designed for space heating and domestic hot water, with a capacity up to 400 kW. Products up to 70 kW are required to have an energy label.

Ecodesign Lot 21 has been applicable since 2018. Lot 21 covers larger commercial cooling and heating products with capacities beyond 12kW. Energy labels are not required for these products, but the energy performance data should be made available online.

	LOT 1/2	LOT 10	LOT 21
Applicable since	2015	2013	2018
Scope	A/W 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

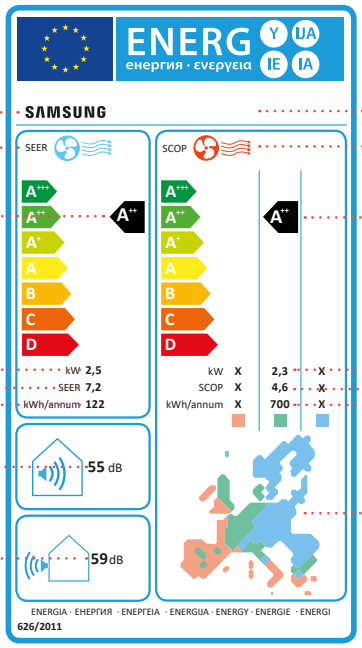
Energy labelling legislation

Since 2013, all air conditioners with a rated capacity of ≤ 12 kW for cooling, or heating, must bear an energy label in compliance with EU Regulation No 626/2011 (Energy labelling Lot 10). Since 2019, the energy efficiency classes displayed on the label range from A+++ to D, with A+++ being the most efficient class.

The energy label should provide product information such as the model identifier, energy efficiency classes, annual energy consumption, SEER/SCOP values and sound power levels. 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

SEER (Cooling)

Energy efficiency class in cooling mode

Nominal capacity in cooling mode

SEER value

Annual energy consumption for cooling

Sound power levels for indoor and outdoor

Name of model

SCOP (Heating)

Energy efficiency class in heating mode

Nominal capacity in heating mode

SCOP value

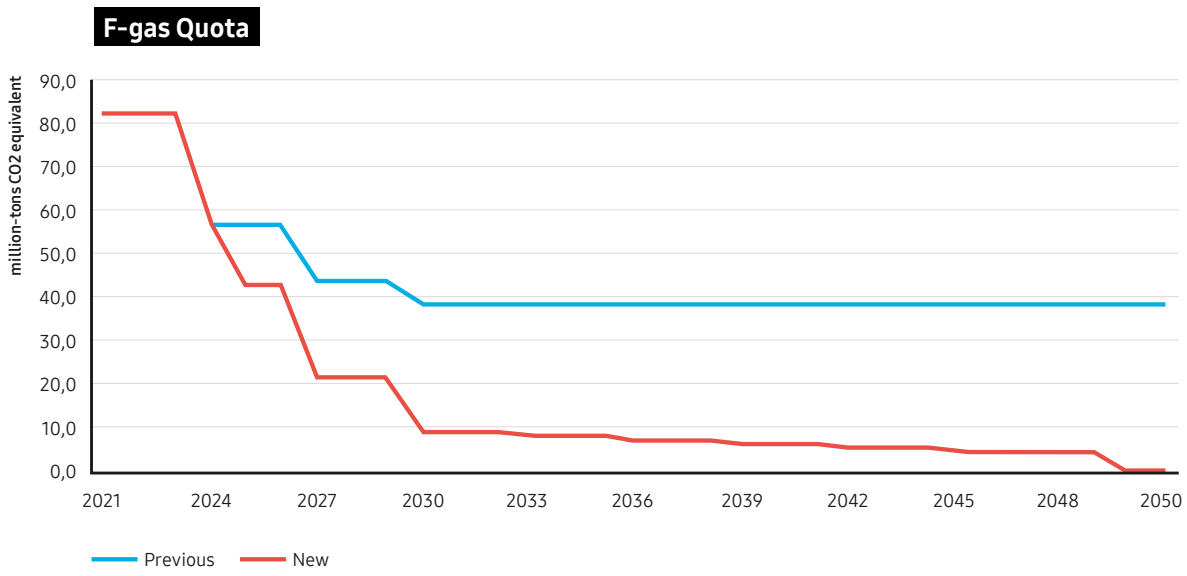
Annual energy consumption for heating

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

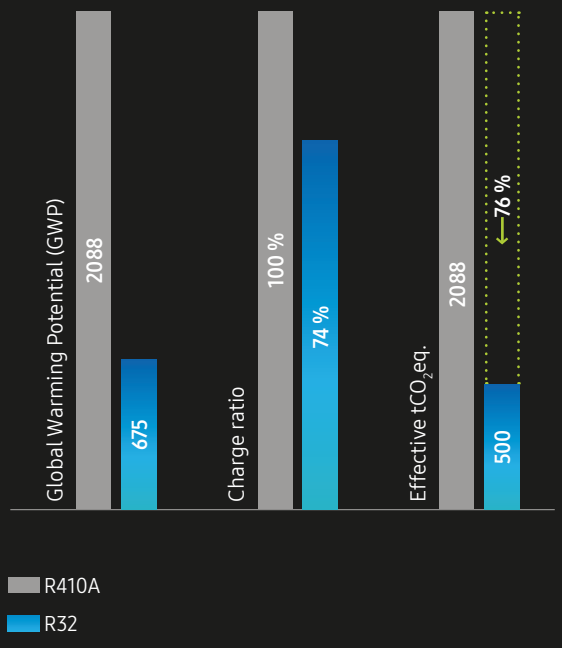
Since March 2024, the new F-gas Regulation (EU) 2024/573 has taken effect. The F-gas Regulation aims to control the emissions of F-gases used as refrigerants to reduce their impact on global warming. The revision brings new rules, including future bans on certain types of f-gases in products and a quota system to limit the total amount of f-gases placed on the market in Europe. Due to these changes, the industry will invest the coming years in new technologies to use refrigerants with lower Global Warming Potential (GWP) and in some applications use only non-fluorinated refrigerants. Samsung is contributing to the F-gas Quota transition towards lower GWP refrigerants, such as R-290, and will continue to invest in alternatives. From 2025 onwards, the phase-down of F-gas quota will speed up, gradually reducing the amount that can be used in applications in Europe. By 2050, there will be no F-gas quota to place new products on the market, resulting in a complete phase-out of such refrigerants for new installations. In parallel, products bans will start from 2025 and 2027 for split and monoblock heat pumps and air conditioning systems.



R32 Refrigerant

R32 refrigerant contributes to meeting the F-gas regulation targets as described in F-Gas Regulation (EU) No 2024/573. 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 impact[1] 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 quality. 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 airconditioning 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





Products at a glance

Single and Multi Split

Single and Multi Split

WindFree™ Elite S2

A+++ | A+++

WindFree™ Cooling · Wi-Fi Control · AI Auto Comfort · Tri-Care Filter · Motion Detect Sensor · R32 Refrigerant · Freeze Wash

WindFree™ Avant S2

A+++ | A++

WindFree™ Cooling · Wi-Fi Control · AI Auto Comfort · Tri-Care Filter · R32 Refrigerant · Freeze Wash

WindFree™ Avant Black

A+++ | A++



WindFree™ Cooling · Wi-Fi Control · AI Auto Comfort · Tri-Care Filter · R32 Refrigerant · Freeze Wash

WindFree™ Comfort S2

A++ | A++

WindFree™ Cooling · Wi-Fi Control · AI Auto Comfort · R32 Refrigerant · Freeze Wash

Cebu S2

A++ | A+

Wi-Fi Control · AI Auto Comfort · R32 Refrigerant

Luzon S2

A++ | A+

Wi-Fi Control · AI Auto Comfort · R32 Refrigerant

[1] Models not available in Multi Split.

A++ | A+



AR30 and AR35[1]

R32

R32 Refrigerant

A+++ | A+++



Nordic WindFree™ Geo[1]

WindFree™ Cooling

Wi-Fi Control

AI Auto Comfort

Tri-Care Filter

Motion Detect Sensor

R32

R32 Refrigerant

A+++ | A+++



Nordic Geo Premium[1]

Wi-Fi Control

AI Auto Comfort

Tri-Care Filter

Motion Detect Sensor

R32

R32 Refrigerant

A++ | A++



Nordic Geo[1]

Wi-Fi Control

AI Auto Comfort

R32

R32 Refrigerant

A+ | A+



Nordic Airise[1]

Wi-Fi Control

AI Auto Comfort

R32

R32 Refrigerant

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
- Big Blade & Slanted Design
- Energy Efficiency
- Wi-Fi Control (Optional)
- 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
- Fast Cooling
- Wi-Fi Control (Optional)



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Single split

Climate comfort in a single space

A single split air conditioner connects one outdoor unit to one indoor unit, for targeted and effective cooling or heating of single rooms or one-zone areas in the home. It is an ideal solution for creating climate comfort in a specific space, for instance a bedroom or home office. Our wide range of outdoor and indoor units enables you to create the perfect combination for specific needs.





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Line-up

Model	Indoor Unit	Outdoor unit (2.5 kW & 3.5 kW)	2 kW	2.5 kW	3.5 kW	4.2 kW	Outdoor unit (5.2 kW & 6.8 kW)	5.2 kW	6.8 kW
WindFree™ Elite S2				•	•				
WindFree™ Avant S2			•	•	•	•		•	•
WindFree™ Avant Black			•	•	•				
WindFree™ Comfort S2				•	•			•	•
Cebu S2			•	•	•	•		•	•
Luzon S2				•	•			•	•
AR35				•	•			•	•
AR30				•	•				

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



Selection guide

			WindFree™ Range			
						
Model			**WindFree™ Elite S2**	**WindFree™ Avant S2**	**WindFree™ Avant Black**	**WindFree™ Comfort S2**
Energy Efficiency	**Energy Label (SEER/SCOP)[1]**		A+++ A+++	A+++ A++	A+++ A++	A++ A++
Certification	**Eurovent**		●	●	●	●
Airflow	**WindFree™ Cooling**		●	●	●	●
	Motion Detect Sensor (MDS)		●	-	-	-
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto
	Airflow Control Step (Cool/Fan)		5/4	5/4	5/4	5/4
	Auto Fan Speed		●	●	●	●
Air Purification	**PM1.0 Filter**		-	-	-	-
	PM_{10} Reduction		●	●	●	-
	Easy Filter Plus/HD Filter		●	●	●	●
	Tri-Care Filter		●	●	●	-
	Allergy Care		●	●	-	-
	Anti-Bacteria		●	●	●	●
	Anti-Virus		●	●	●	-
	Auto Clean (Self-Cleaning)		●	●	●	●
Functions	**Samsung SmartThings**		●	●	●	●
	Smart Operation (AI)		●	●	●	●
	MDS (Motion Detect Sensor)		●	-	-	-
	Filter Cleaning Indicator		●	●	●	●
	Indoor Temperature Display		●	●	●	●
	Voice Control with Bixby[2]		●	●	●	●
	Display On/Off **88 Display**	**88**	●	●	●	●
		LED	●	●	●	●
	Beep On/Off		●	●	●	●
	24-Hour Timer/Real Timer		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●
Operating Mode	**AI Auto Comfort with Wi-Fi & MDS (direct/indirect)**		●	-	-	-
	AI Auto Comfort with Wi-Fi		●	●	●	●
	Auto Mode (without Wi-Fi)		-	-	-	-
	Fast Cooling		●	●	●	●
	Comfort Cooling		●	●	●	●
	Good Sleep		●	●	●	●
	ECO		●	●	●	●
	Dehumidification		●	●	●	●
	Fan		●	●	●	●
	Quiet		●	●	●	●
Triple Protector	**Anti-Corrosion Fin**		●	●	●	●
	Compressor Protector		●	●	●	●
	PBA Protector		●	●	●	●

[1] Energy labels as shown are based on 9k Btu versions and are according to EU No 626/2011 (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.



	Cebu S2	Luzon S2	AR35	AR30
	A++ A+	A++ A+	A++ A+	A++ A+
	●	●	●	●
	-	-	-	-
	-	-	-	-
	Auto	Auto	Auto	Auto
	Auto	Auto	Manual	Manual
	5/4	5/4	3/3	3/3
	●	●	●	●
	-	-	-	-
	-	-	-	-
	●	●	●	●
	-	-	-	-
	-	-	●	●
	●	●	-	-
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	●	●	-	-

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+++	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
	Auto Fan Speed		●	●	●	●
Air Purification	**PM_{10} Reduction**		●	-	-	-
	Easy Filter Plus/HD Filter		●	●	●	●
	Tri-Care Filter		●	-	-	-
	Allergy Care		●	-	-	-
	Anti-Bacteria		●	●	●	●
	Anti-Virus		●	-	-	-
	Auto Clean (Self-Cleaning)		●	●	●	●
Functions	**Samsung SmartThings**		●	●	●	●
	Smart Operation (AI)		●	●	●	●
	MDS (Motion Detect Sensor)		●	-	-	-
	Filter Cleaning Indicator		●	●	●	●
	Indoor Temperature Display		●	●	●	●
	Voice Control with Bixby[2]		●	●	●	●
	Display On/Off **88 Display**	**88**	●	●	●	●
		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

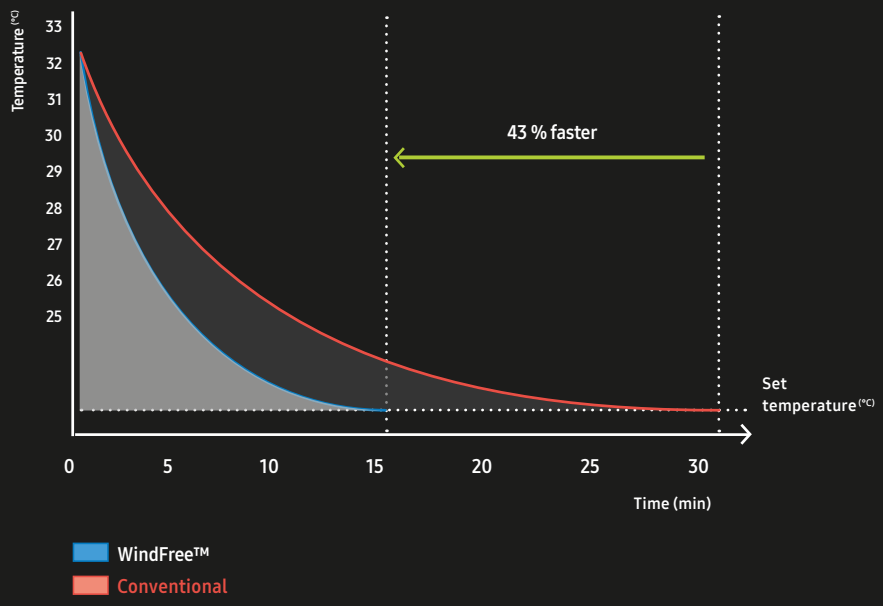
Residential Units

AR	70	F	9	D	1	A	W	N	EU
1	2	3	4	5	6	7	8	9	

1	**Classification**	AR	Wall mounted
2	**Segment**	80	Premium
3	**Year**	70	Deluxe
		60	Standard
		50	Entry
		F	2025
4	**Capacity**		x1000 BTU/h
5	**Refrigerant**	D	R32
6	**Feature**	2	WiFI, MDS, Bixby
		3	WIFI, MDS, Bixby, Video
		4	WIFI, MDS, Bixby, Video, Vision
7	**Energy class**	A	1st MODEL
		B	2nd MODEL
		C	3rd MODEL
		D	4th MODEL
8	**Colour/ Design**	W	White GEO
		B	Black AIRISE
		H	White AIRISE
9	**Unit Type**	N	Indoor Unit
		X	Outdoor Unit

WindFree™ Wall-Mounted

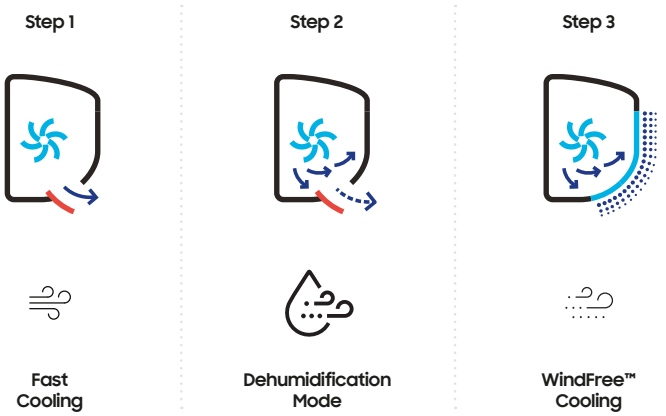


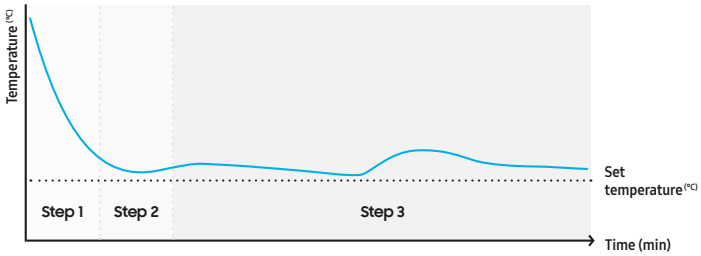


Fast Cooling

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 % faster[1]. Its advanced design also features a 15 % larger fan, 18 % wider inlet and a 31 % wider blade compared to Samsung conventional model[2]. This means that cool air is dispersed farther and wider into every corner of a room, reaching up to 15 metres[3].

[1] Tested on the AR12TXCAAWKEU model compared with the Samsung conventional model AQ12EASER under specifi c 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 AR24TXFCAWKNEU model under specifi c testing conditions and may vary depending on environmental factors and use.





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" environment[1] with a very low air speed and limited noise[2]. The advanced airflow structure of this mode also means that it cools a wider and larger area more evenly.

[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.





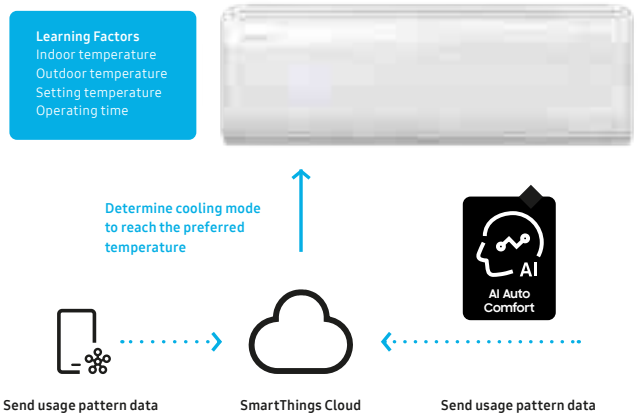
WindFree™ Avant Black

Introducing the new WindFree™ Avant S2 Black, a black edition of the renowned Samsung WindFree™ line-up that combines functionality with great aesthetics and blends in with modern interiors. The model is part of the new residential air conditioning line-up for 2025 that incorporates advanced technologies to cater to the many different needs of modern living.

AI Auto Comfort

AI Auto Comfort introduces residents to the experience of intelligent climate control[1]. To make life simpler and more efficient it automatically optimises the various modes by analysing room conditions and usage patterns[2]. 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.

The product is compatible with Bixby 2.0[3], allowing users to give voice commands, and it will adjust accordingly. The AI option is able to analyse the area, the preferred mode, and temperature then suggests the optimal settings for maximum comfort inside the home.

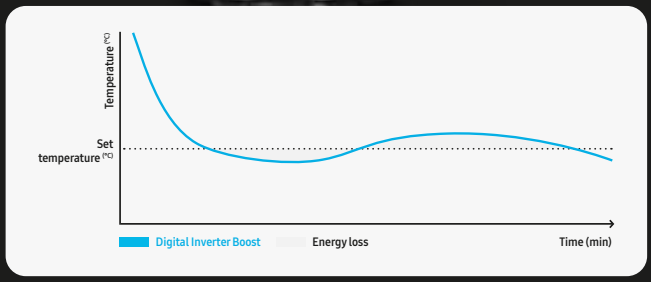


[1] AI = Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required.
[2] Stores user data, preferences and usage patterns, enabling it to suggest the most comfortable room temperature set point within a range of 22 °C to 26 °C.
[3] Bixby is Samsung's voice interface assistant. A Wi-Fi connection and a Samsung account is required. Currently Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish and Portuguese. Voice control is supported 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.

AI Auto Comfort WindFree™







AI Energy Mode of High-Efficiency Twin Rotary Compressor

The compressor uses AI[1] to analyse consumer usage patterns along with the indoor/outdoor temperature and humidity to operate in a more precise manner. AI Energy mode will endeavor to reduce energy usage by sacrificing indoor comfort with a maximum temperature difference of 2°C from set point.

AI energy mode[1] learns patterns and adjusts temperatures in advance to reduce unnecessary usage.

1 AI Energy mode can only operate if AI comfort is on. A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.



Air conditioner control

Energy consumption monitoring



Smart Control

Control the temperature at home, anytime and anywhere. The SmartThings App[1] 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 Samsung's voice interface assistant[1], a user can simply tell the device what they want[2], and the device carries out their wishes. It even analyses the environment, preferred mode and temperature and suggests the best settings for inside the home[3].

1 A Wi-Fi connection and Samsung SmartThings application account are required. 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 Bixby is Samsung's voice interface assistant. The voice control is supported by 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.

SmartThings | Bixby | works with Hey Google

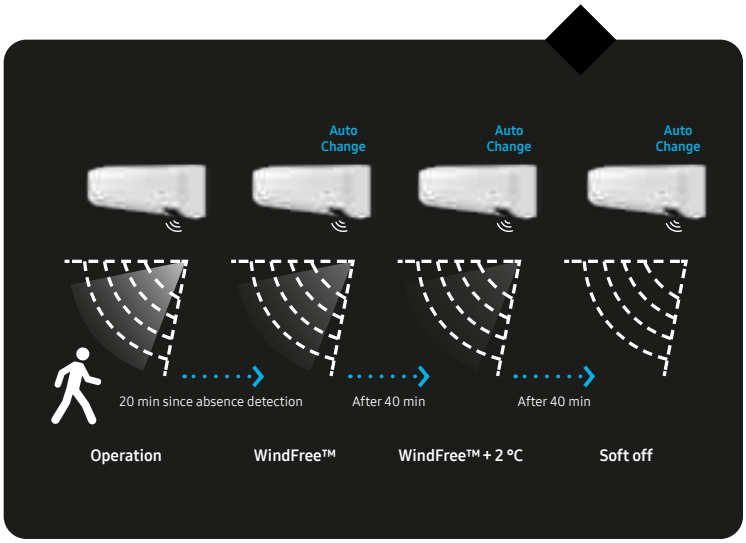


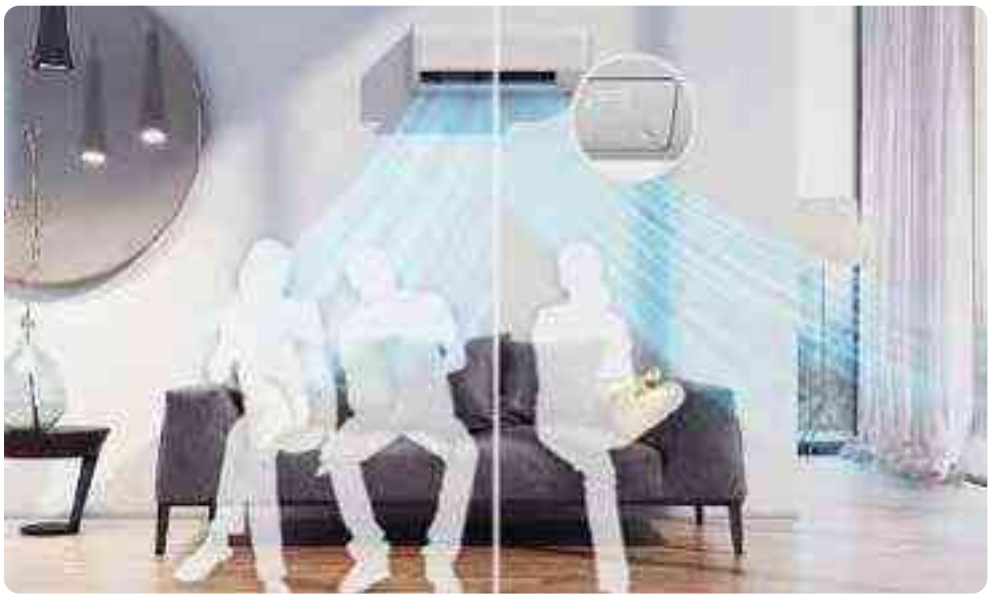


Motion Detect Sensor

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 minutes[1] 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. MDS detection time can be set according to personal preference using SmartThings app[2].

[1] In normal default mode. End user may adjust the time interval by selecting Eco or Comfort mode or through SmartThings. The absence of movement is tracked after a minimum of five minutes and maximum of 60 minutes for each interval.
[2] A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.





Direct Wind Mode
Tracks your movement to follow you wherever you move

Indirect Wind Mode
Tracks your movement to avoid wind from blowing towards you

Easy to detach



Easy to clean

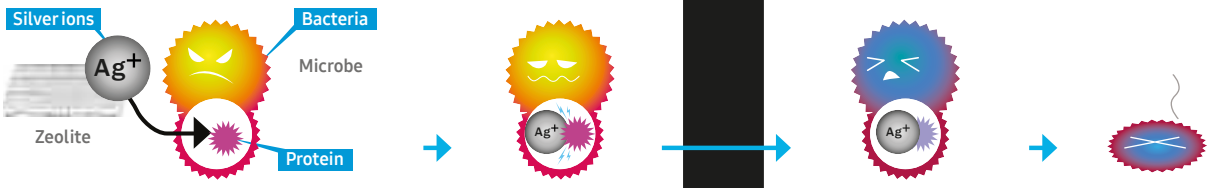


Easy Filter Plus

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 contaminants[1].

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

Antibacterial process[1]



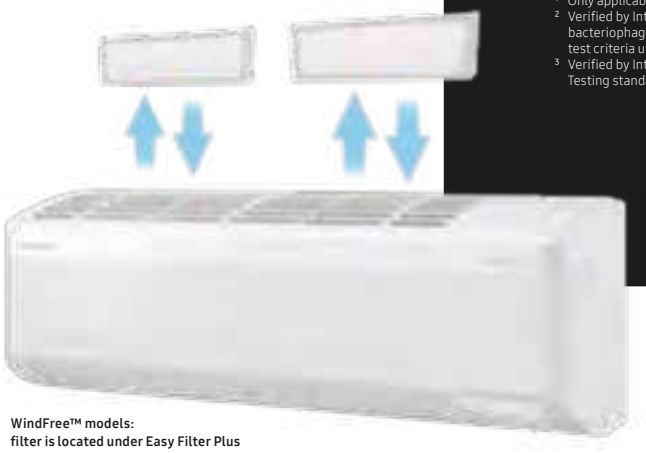
Silver ions penetrate the surface of bacteria[1] when they come into contact with the Zeolite coating

Silver ions react with the bacterial proteins

Tri-Care Filter

The Tri-Care Filter[1] 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 air[2,3].

[1] Only applicable for WindFree™ Elite S2, WindFree™ Avant S2, and WindFree™ Avant Black
[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).
[3] Verified by Intertek and Fiti testing samples of Samsung AR9500T in a continuous airflow condition. Testing standard is KS K 0693:2016, using bacterias staphylococcus aureus ATCC 6538 and klebsiella pneumoniae ATCC 4352



WindFree™ models:
filter is located under Easy Filter Plus

Up to **99%**
Anti-bacteria[2,3]

Not all features are available for all models.

Auto Clean

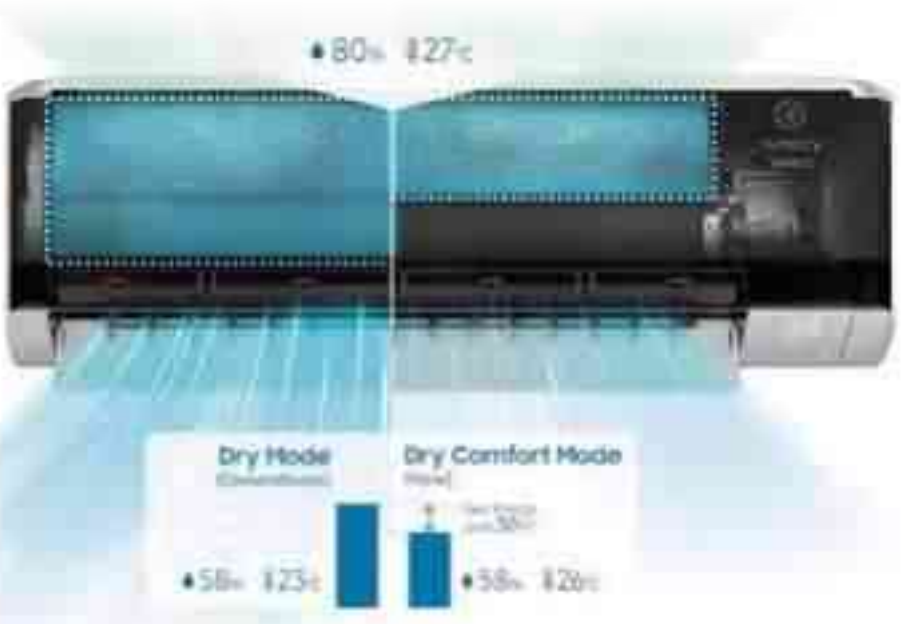
The Auto Clean functionality enables cleaning of the heat exchanges anytime after you turn off the unit. This function automatically dries the Heat Exchanger using a 3 step process and prevents the build up of bacteria and odors. It can easily be enabled or disabled with the click of the remote controller.



Process 1	Process 2	Process 3
WindFree™	WindFree™ + Mild Wind	WindFree™ + Strong Wind
17 min.	18 min.	23 min.

Dry Comfort[1]

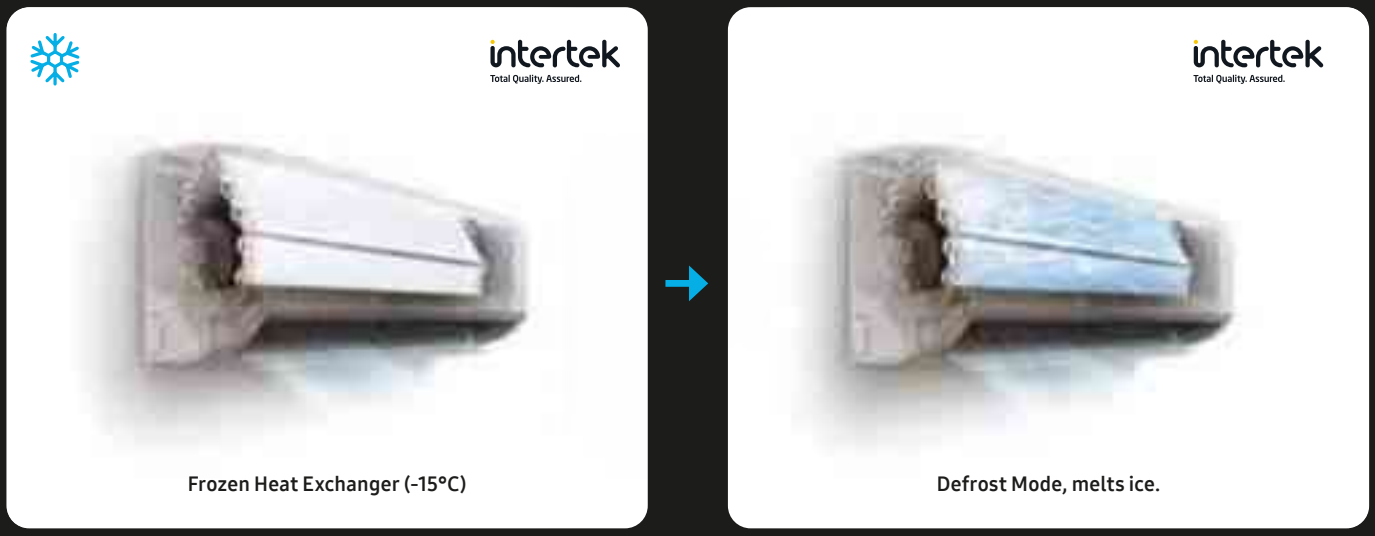
This feature helps to reduce the humidity indoors without creating very cold air that causes discomfort. This new feature can finely adjust the compressor frequency and refrigerant amount, to assist with energy monitoring and comfort. Mainly effective when there is high indoor humidity and you want to avoid the cold draft but still humidify the indoor air, often found in southern Europe close to the ocean. By fine adjustment of the compressor and refrigerant amount, we can dehumidify with only a part of the evaporator, which leads to lower energy consumption and maintains a comfortable temperature[2].



[1] Dry comfort is available in all countries where the WindFree™ units are installed. However, the benefit of this feature adds more value in humid and tropical climates.
[2] Based on Samsung's internal test, a saving of 30% at 25 degrees Celsius with 60% humidity is achieved. Dehumidification time may increase. Results may vary depending on the actual usage conditions.

Freeze Wash

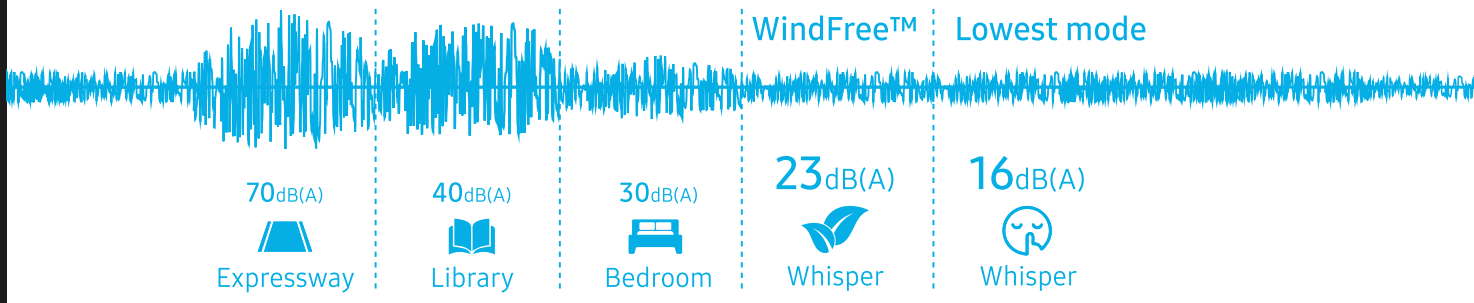
The Fresh Wash functionality freezes the heat exchanger of the indoor unit to -15°C to cover it into frost. After the indoor unit goes into defrost mode the ice will melt and this will remove certain pollutants within the heat-exchanger[1]. It's easy to maintain without the need for any professional service engineer.



[1] 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.

WindFree Low Noise

The WindFree™ Elite, Avant and Comfort models operate at a low noise[1] level of just 16 dB(A)[2,3] in their lowest setting, while WindFree™ mode runs at only 23 dB(A)[2,3] – still quieter than a typical library of 40 dB(A). This ensures a calm and undisturbed environment, making the WindFree™ range perfect for bedrooms and quiet places.



[1] Compared to decibel levels of equivalent products within the market.
[2] Tested by Samsung in an acoustic space, measured at a 1-meter distance.
[3] Only applicable to WindFreeTM indoor units 2/2.5/3.5 kB.



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.





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[1]:
9.3 min

45% ⬇

Assembled parts (3)/
Screw points (2)

Installation time[1]:
5.1 min

[1] Tested on the AM022TNVDKHEU model compared with the Samsung conventional AM022JNVDKHEU model under specific conditions and may vary on specific factors

4-way Swing

Find your flow with an optimal air distribution through the room. The swing function automatically moves in your preferred direction: up/down and left/right*, ensuring efficient cooling or heating in every corner while avoiding direct wind exposure.

* Except models AR35 and AR30 do not support the left/right swing function.



Specifications

WindFree™ Elite S2 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.
- Twin Rotary 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 controller.
- SolarCell remote controller included.
- Freezewash

		Indoor Unit	AR70F09CAAWNEU	AR70F12CAAWNEU
		Outdoor Unit	AR70F09CAAWXEU	AR70F12CAAWXEU
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3,5
	Cooling (Min–Max)	kW	1.0-4.0	1.0-4.8
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min–Max)	kW	0.7-7.1	0.8-7.3
	Heating @ -5 °C	kW	4.47	5.04
	Heating @ -10 °C	kW	4.42	4.82
	Heating @ -15 °C	kW	3.79	4.18
Performance				
Energy Efficiency Cooling	SEER[1]	W/W	9.5/ A+++	8.5/ A+++
	Power Consumption	kWh/a	92	139
	Pdesignc	kW	2.5	3.5
	EER	W/W	4,67	4,07
Energy Efficiency Heating	SCOP[1]	W/W	5.1/ A+++	5.1/ A+++
	Power Consumption	kWh/a	659	659
	Pdesignh (average)	kW	2.4	2.4
	COP[1]	W/W	4,74	4,26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	11.1	12.1
	Outdoor Unit	m³/min	45.0	45.0
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	38/16	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	Twin Rotary	Twin Rotary
Power Consumption	Cooling	W	535	860
	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	10.5	10.5
	Outdoor Unit	kg	30,7	30,7
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_2e	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	3/20	3/20
Piping Height	Max	m	10	10
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+++.

			Indoor Unit	AR70F09CAAWNEU	AR70F12CAAWNEU
			Outdoor Unit	AR70F09CAAWXEU	AR70F12CAAWXEU
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			●	●

Controls and Accessories






Wireless SolarCell Remote Controller (included)	Advanced Wired Controller[3]	Simple Type Controller[3]	Touch Controller[3]
	MWR-WG01JN/MWR-WG01KN	MWR-SH00N	MWR-SH11N

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

Specifications

WindFree™ Avant Black & Avant S2

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 controller[2].
- SolarCell remote controller included.
- Freezewash



			Indoor Unit Black	AR70F07C1ABNEU	AR70F09C1ABNEU	AR70F12C1ABNEU			
			Indoor Unit	AR70F07C1AWNEU	AR70F09C1AWNEU	AR70F12C1AWNEU	AR70F15C1AWNEU	AR70F18C1AWNEU	AR70F24C1AWNEU
			Outdoor Unit	AR70F07C1AWXEU	AR70F09C1AWXEU	AR70F12C1AWXEU	AR70F15C1AWXEU	AR70F18C1AWXEU	AR70F24C1AWXEU
Capacity									
Capacity	Cooling (Nominal)	kW		2	2.5	3,5	4.3	5	6.5
	Cooling (Min–Max)	kW		0.96 - 3.2	0.96 -3.7	1- 4.6	1- 5	1.6 -6.7	1.4 - 7.6
	Heating @ +7 °C	kW		2.2	3.2	4.0	4.7	6	7.4
	Heating (Min–Max)	kW		0.7 - 6.7	0.7 - 7	0.7 - 7.2	0.7 - 7.6	1.3 - 8	1.2 - 9.7
	Heating @ -5 °C	kW		4.2	4.39	4.96	5.08	5.29	6.58
	Heating @ -10 °C	kW		4.17	4.35	4.74	4.71	4.88	5.97
	Heating @ -15 °C	kW		3.57	3.72	4.1	4.16	4.13	5.12
Performance									
Energy Efficiency Cooling	SEER[1]	W/W		9/ A+++	8.8/ A+++	8.6/ A+++	8/ A++	7.2/ A++	7/ A++
	Power Consumption	kWh/a		77.78	99.43	142.44	188.13	243.06	325.00
	Pdesignc	kW		2	2,5	3,5	4,3	5	6,5
	EER	W/W		4,65	4,39	3,85	3,64	3,6	3,33
Energy Efficiency Heating	SCOP[1]	W/W		4.8/ A++	4.8/ A++	4.8/ A++	4.6/ A++	4.1/ A+	4.3/ A+
	Power Consumption	kWh/a		641.67	670.83	700.00	821.74	1297.56	1334.88
	Pdesignh (average)	kW		2.2	2.3	2.4	2.7	3.8	4.1
	COP[1]	W/W		4,78	4,21	3,74	3,73	3,73	3,36
Moisture Removal		l/h		1.0	1.0	1.5	1.5	2	2.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min		10.5	11.1	12.1	14.2	15.7	17.6
	Outdoor Unit	m^3/min		45	45	45	45	50	50
Sound Power	Indoor Unit (Cooling)	dB(A)		56	56	58	58	58	62
	Outdoor Unit (Cooling)	dB(A)		59	59	62	65	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)		38 / 16	38 / 16	40 /16	41 / 25	41 / 25	45 / 27
	Outdoor Unit High	dB(A)		45	45	46	48	51	54
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		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Power Consumption	Cooling	W		430	570	910	1180	1390	1950
	Heating	W		460	760	1070	1260	1610	2200
Operating Current	Cooling	A		2.3	3	4.1	5.2	6.4	8.8
	Heating	A		2.3	3.4	4.7	5.6	7.8	9.8
Dimensions									
Net Dimensions (W x H x D)	Indoor Unit	mm		889 x 299 x 215	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
	Outdoor Unit	mm		790 x 548 x 285	790 x 548 x 285	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	9,9	9,9	12,3	12,3
	Outdoor Unit	kg		30,7	30,7	30,7	30,7	30,7	30,7

[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 Black	AR70F07C1ABNEU	AR70F09C1ABNEU	AR70F12C1ABNEU			
		Indoor Unit	AR70F07C1AWNEU	AR70F09C1AWNEU	AR70F12C1AWNEU	AR70F15C1AWNEU	AR70F18C1AWNEU	AR70F24C1AWNEU
		Outdoor Unit	AR70F07C1AWXEU	AR70F09C1AWXEU	AR70F12C1AWXEU	AR70F15C1AWXEU	AR70F18C1AWXEU	AR70F24C1AWXEU
Refrigerant								
Refrigerant	**Type**				R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 7.5 m)	**kg**	0,95	0,95	0,95	0,95	1,3	1,3
	Charging Ton Equivalent CO_2	**tCO_2e**	0.64	0.64	0.64	0.64	0.88	0.88
	Additional Refrigerant Charging	**g/m**	15	15	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)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	**ø, mm (inch)**	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Piping Length	**Min/Max (ODU to IDU)**	**m**	3/20	3/20	3/20	3/20	3/30	3/30
Piping Height	**Max**	**m**	10	10	10	10	15	15
Piping Connections	**Drain Pipe**	**ø, mm**	ø16.3, 550 mm	ø16.3, 550 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	Auto	Auto
	Air Direction Control (Left/Right)		Auto	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		●	●	●	●	●	●
	Display On/Off	**88 Display**	●	●	●	●	●	●
	Beep On/Off		●	●	●	●	●	●
	Auto Changeover		●	●	●	●	●	●
	Auto Restart		●	●	●	●	●	●

Controls and Accessories






Wireless Remote Controller SolarCell (Included)	Advanced Wired Controller[3]	Simple Type Controller[3]	Touch Controller[3]
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

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

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Specifications

WindFree™ Comfort S2 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.
- Twin Rotary 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 controller.
- SolarCell remote controller.
- Freezewash

			Indoor Unit	AR60F09C1AWNEU	AR60F12C1AWNEU	AR60F18C1AWNEU	AR60F24C1AWNEU
			Outdoor Unit	AR60F09C1AWXEU	AR60F12C1AWXEU	AR60F18C1AWXEU	AR60F24C1AWXEU
Capacity							
Capacity	Cooling (Nominal)	kW		2,5	3,5	5	6,5
	Cooling (Min–Max)	kW		1 -3.5	0.9 - 4.2	1.6 - 6.7	1.4 - 7.6
	Heating @ +7 °C	kW		3.2	4.0	6	7.4
	Heating (Min–Max)	kW		0.88 - 5	0.85 / 5	1.3 - 8	1.2 - 9.7
	Heating @ -5 °C	kW		3.06	3.27	5.29	6.58
	Heating @ -10 °C	kW		2.88	3.12	4.88	5.97
	Heating @ -15 °C	kW		2.49	2.61	4.13	5.12
Performance							
Energy Efficiency Cooling	SEER[1]	W/W		7.9/ A++	7.6/ A++	7.2/ A++	7/ A++
	Power Consumption	kWh/a		110.76	161.18	325.00	243.06
	Pdesignc	kW		2,5	3,5	5	6,5
	EER	W/W		4	3,54	3,6	3,33
Energy Efficiency Heating	SCOP[1]	W/W		4.6/ A++	4.6/ A++	4.1/ A+	4.3/ A+
	Power Consumption	kWh/a		669.57	700.00	1334.88	1297.56
	Pdesignh (average)	kW		2.2	2.3	3.8	4.1
	COP[1]	W/W		4,16	3,92	3,73	3,36
Moisture Removal		l/h		1.0	1.5	2	2.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min		12.1	13.1	15.7	17.6
	Outdoor Unit	m^3/min		38	38	50	50
Sound Power	Indoor Unit (Cooling)	dB(A)		56	58	58	62
	Outdoor Unit (Cooling)	dB(A)		63	63	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)		38 / 16	40 /16	41 / 25	45 / 27
	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		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Power Consumption	Cooling	W		625	990	1390	1950
	Heating	W		770	1020	1610	2200
Operating Current	Cooling	A		2.9	4.4	6.4	8.8
	Heating	A		3.4	4.5	7.8	9.8
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		710 x 540 x 220	710 x 540 x 220	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg		9,9	9,9	12,3	12,3
	Outdoor Unit	kg		24	24	36,8	38,6
Refrigerant							
Refrigerant	Type			R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 7.5 m)	kg		0,7	0,7	1,3	1,3
	Charging Ton Equivalent CO_2	tCO_2e		0.47	0.47	0.88	0.88
	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. AR18TXFCAWKXEU and AR24TXFCAWKXEU. 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	AR60F09C1AWNEU	AR60F12C1AWNEU	AR60F18C1AWNEU	AR60F24C1AWNEU
			Outdoor Unit	AR60F09C1AWXEU	AR60F12C1AWXEU	AR60F18C1AWXEU	AR60F24C1AWXEU
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			●	●	●	●

Controls and Accessories






Wireless Remote Controller SolarCell (Included)	Advanced Wired Controller[3]	Simple Type Controller[3]	Touch Controller[3]
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

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





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Specifications

Cebu S2 R32

- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Twin Rotary Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.
- SolarCell remote controller.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller

		Indoor Unit	AR50F07C1AHNEU	AR50F09C1AHNEU	AR50F12C1AHNEU	AR50F15C1AHNEU	AR50F18C1AHNEU	AR50F24C1AHNEU
		Outdoor Unit	AR50F07C1AHXEU	AR50F09C1AHXEU	AR50F12C1AHXEU	AR50F15C1AHXEU	AR50F18C1AHXEU	AR50F24C1AHXEU
Capacity								
Capacity	Cooling (Nominal)	kW	2	2.5	3,5	4.3	5	6.5
	Cooling (Min–Max)	kW	1.05 - 3	1.05 - 3.5	1.05 - 4	0.95 - 4.8	1.6 - 6.7	1.4 - 7.6
	Heating @ +7 °C	kW	2.2	3.2	4.0	4.3	6	7.4
	Heating (Min–Max)	kW	0.85 - 4.5	0.85 - 4.5	0.85 - 5	0.75 - 7	1.3 - 8	1.2 - 9.7
	Heating @ -5 °C	kW	2.89	2.85	3.15	4.84	5.27	6.55
	Heating @ -10 °C	kW	2.75	2.73	3.0	4.52	4.86	5.92
	Heating @ -15 °C	kW	2.37	2.38	2.62	3.99	4.1	5.09
Performance								
Energy Efficiency Cooling	SEER[1]	W/W	7.6/ A++	7.4/ A++	7/ A++	7.6/ A++	7/ A++	6.8/ A++
	Power Consumption	kWh/a	92.11	118.24	175.00	198.03	334.56	250.00
	Pdesignc	kW	2	2,5	3,5	4,3	5	6,5
	EER	W/W	4,35	4,17	3,3	3,39	3,6	3,33
Energy Efficiency Heating	SCOP[1]	W/W	4.2/ A+	4.2/ A+	4.2/ A+	4.5/ A+	4.1/ A+	4.3/ A+
	Power Consumption	kWh/a	700.00	700.00	733.33	840.00	1334.88	1297.56
	Pdesignh (average)	kW	2.1	2.1	2.2	2.7	3.8	4.1
	COP[1]	W/W	4,68	3,76	3,76	3,47	3,73	3,36
Moisture Removal		l/h	1.0	1.0	1.5	1.5	2	2.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min	10	10.5	10.9	12.4	15.7	17.7
	Outdoor Unit	m³/min	38	38	38	45	50	50
Sound Power	Indoor Unit (Cooling)	dB(A)	56	56	58	58	58	62
	Outdoor Unit (Cooling)	dB(A)	60	63	63	65	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	38 / 16	38 / 16	40 /16	41 / 25	41 / 25	45 / 27
	Outdoor Unit High	dB(A)	45	45	46	48	51	54
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	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Power Consumption	Cooling	W	460	600	1060	1270	127	1390
	Heating	W	470	850	930	1240	1610	2200
Operating Current	Cooling	A	2.4	2.9	4.7	5.6	6.4	8.8
	Heating	A	2.5	3.8	4.2	5.5	7.8	9.8
Dimensions								
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	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
	Outdoor Unit	mm	710 x 540 x 220	710 x 540 x 220	710 x 540 x 220	790 x 548 x 285	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	9,1	9,1	9,1	9,1	12,5	12,5
	Outdoor Unit	kg	24	24	24,4	30,7	36,8	38,6

[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).

			Indoor Unit	AR50F07C1AHNEU	AR50F09C1AHNEU	AR50F12C1AHNEU	AR50F15C1AHNEU	AR50F18C1AHNEU	AR50F24C1AHNEU
			Outdoor Unit	AR50F07C1AHXEU	AR50F09C1AHXEU	AR50F12C1AHXEU	AR50F15C1AHXEU	AR50F18C1AHXEU	AR50F24C1AHXEU
Refrigerant									
Refrigerant	**Type**			R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Charging (for 7.5 m)	**kg**		0,7	0,7	0,7	0,93	1,3	1,3
	Charging Ton Equivalent CO_2	**tCO_2e**		0.47	0.47	0.47	0.63	0.88	0.88
	Additional Refrigerant Charging	**g/m**		15	15	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)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	**ø, mm (inch)**		9.52 (3/8)	9.52 (3/8)	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	3/15	3/15	3/30	3/30
Piping Height	**Max**	**m**		8	8	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	ø16.3, 550 mm	ø16.3, 550 mm
Functions									
Airflow	**WindFree™ Cooling**								
	Air Direction Control (Up/Down)			Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)			Auto	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			●	●	●	●	●	●
	Display On/Off	**88 Display**		●	●	●	●	●	●
	Beep On/Off			●	●	●	●	●	●
	Auto Changeover			●	●	●	●	●	●
	Auto Restart			●	●	●	●	●	●

Controls and Accessories






Wireless Remote Controller SolarCell (Included)	Advanced Wired Controller[3]	Simple Type Controller[3]	Touch Controller[3]
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

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

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Specifications

Luzon S2 R32

- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Twin Rotary 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 and with centralized controller.
- AI Auto Comfort

			Indoor Unit	AR50F09C1BHNEU	AR50F12C1BHNEU	AR50F18C1BHNEU	AR50F24C1BHNEU
			Outdoor Unit	AR50F09C1BHXEU	AR50F12C1BHXEU	AR50F18C1BHXEU	AR50F24C1BHXEU
Capacity							
Capacity	Cooling (Nominal)	kW		2,5	3,5	5	6,5
	Cooling (Min–Max)	kW		0.9 - 3.35	0.9 - 3.8	1.6 - 6.7	1.4 - 7.6
	Heating @ +7 °C	kW		3.2	3.5	6	7.4
	Heating (Min–Max)	kW		0.9 - 4.3	0.9 - 4.7	1.3 - 8	1.2 - 9.7
	Heating @ -5 °C	kW		2.8	2.87	5.27	6.55
	Heating @ -10 °C	kW		2.68	2.72	4.86	5.92
	Heating @ -15 °C	kW		2.37	2.33	4.1	5.09
Performance							
Energy Efficiency Cooling	SEER[1]	W/W		6.7/ A++	6.6/ A++	7/ A++	6.8/ A++
	Power Consumption	kWh/a		130.60	185.61	334.56	250.00
	Pdesignc	kW		2,5	3,5	5	6,5
	EER	W/W		3,29	2,6	3,6	3,33
Energy Efficiency Heating	SCOP[1]	W/W		4.0/ A+	4.0/ A+	4.1/ A+	4.3/ A+
	Power Consumption	kWh/a		735.00	805.00	1334.88	1297.56
	Pdesignh (average)	kW		2.1	2.2	3.8	4.1
	COP[1]	W/W		3,64	3,61	3,73	3,36
Moisture Removal		l/h		1.0	1.5	2	2.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min		10.5	10.9	15.7	17.7
	Outdoor Unit	m^3/min		38	38	50	50
Sound Power	Indoor Unit (Cooling)	dB(A)		54	56	58	62
	Outdoor Unit (Cooling)	dB(A)		63	63	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)		38 / 16	40 /16	41 / 25	45 / 27
	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		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Power Consumption	Cooling	W		760	1345	1390	1950
	Heating	W		880	970	1610	220
Operating Current	Cooling	A		3.4	6	6.4	8.8
	Heating	A		4	4.4	7.8	9.8
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		710 x 540 x 220	710 x 540 x 220	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg		9,1	9,1	12,5	12,5
	Outdoor Unit	kg		24,8	24,8	40,1	42

[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).

		Indoor Unit	AR50F09C1BHNEU	AR50F12C1BHNEU	AR50F18C1BHNEU	AR50F24C1BHNEU
		Outdoor Unit	AR50F09C1BHXEU	AR50F12C1BHXEU	AR50F18C1BHXEU	AR50F24C1BHXEU
Refrigerant						
Refrigerant	**Type**		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	**kg**	0,53	0,53	1,3	1,3
	Charging Ton Equivalent CO_2	**tCO_2e**	0.36	0.36	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)	12.7 (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		●	●	●	●

Controls and Accessories






Wireless Remote Controller	Advanced Wired Controller[3]	Simple Type Controller[3]	Touch Controller[3]
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

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

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Specifications

AR35 and AR30 R32

- Digital Inverter Compressor.
- HD Filter system.
- 2-Way Auto Swing function to automatically control airflow direction.
- Fin Protector to protect condensor and optimise Heat Exchanger performance.

			AR35				AR30	
								
		Indoor Unit	AR09TXHQASINEU	AR12TXHQASINEU	AR18BXHQASINEU	AR24BXHQASINEU	AR09TXHQBWKNEU	AR12TXHQBWKNEU
		Outdoor Unit	AR09TXHQASIXEU	AR12TXHQASIXEU	AR18BXHQASIXEU	AR24BXHQASIXEU	AR09TXHQBWKXEU	AR12TXHQBWKXEU
Capacity								
Capacity	Cooling (Nominal)	kW	2.6	3.5	5.3	7.0	2.6	3.5
	Cooling (Min–Max)	kW	0.9–3.4	1.1–4.2	1.8–6.1	2.1–8.0	0.9–3.4	1.1–4.2
	Heating @ +7 °C	kW	2.9	3.8	5.3	7.3	2.9	3.8
	Heating (Min–Max)	kW	0.8–3.4	1.1–4.2	1.4–6.7	1.6–8.8	0.8–3.4	1.1–4.2
Performance								
Energy Efficiency Cooling	SEER[1]	W/W	6.3/ A++	6.1/ A++	7.1/ A++	6.1/ A+	6.3/ A++	6.1/ A++
	Power Consumption	kWh/a	156	211	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	m³/min	7.77	9.00	14.00	16.33	7.77	9.00
	Outdoor Unit	m³/min	-	-	-	-	-	-
Sound Power	Indoor Unit (Cooling)	dB(A)	55	55	55	59	55	55
	Outdoor Unit (Cooling)	dB(A)	62	65	63	68	62	65
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	36/20	37/22	42/30	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	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_2e	0.37	0.68	0.68	1.10	0.37	0.37
	Additional Refrigerant Charging	g/m	12	12	12	12	12	12
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)	9.52 (3/8)	9.52 (3/8)
Piping Length	Min/Max (ODU to IDU)	m	25	25	30	50	25	25
Piping Height	Max	m	10	10	20	25	10	10
Piping Connections	Drain Pipe	ø, mm	-	-	-	-	-	-

			AR35				AR30	
								
	Indoor Unit		AR09TXHQASINEU	AR12TXHQASINEU	AR18BXHQASINEU	AR24BXHQASINEU	AR09TXHQBWKNEU	AR12TXHQBWKNEU
	Outdoor Unit		AR09TXHQASIXEU	AR12TXHQASIXEU	AR18BXHQASIXEU	AR24BXHQASIXEU	AR09TXHQBWKXEU	AR12TXHQBWKXEU
Functions								
Airflow	**Air Direction Control (Up/Down)**		Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	Manual	Manual	Manual	Manual	Manual
	Airflow Control Step (Cool/Fan)		3/3	3/3	3/3	3/3	3/3	3/3
	Auto Fan Speed		●	●	●	●	●	●
Air Purification	**Tri-Care Filter**		-	-	-	-	-	-
	HD Filter		●	●	●	●	●	●
	Auto Clean (Self-Cleaning)		-	-	-	-	-	-
Operating Mode	**2-Step Cooling**		-	-	-	-	-	-
	Fast Cooling		●	●	●	●	●	●
	Comfort		-	-	-	-	-	-
	D'light Cool		-	-	-	-	-	-
	Good Sleep		●	●	●	●	●	●
	Dehumidification		●	●	●	●	●	●
	Auto		●	●	●	●	●	●
	Fan		●	●	●	●	●	●
	Quiet		-	-	-	-	-	-
Other Functions	**Wi-Fi Control**		-	-	-	-	-	-
	24-Hour Timer/Real Timer		●	●	●	●	●	●
	Indoor Temperature Display		●	●	●	●	●	●
	Display On/Off	**88 Display**	●	●	●	●	●	●
	Beep On/Off		●	●	●	●	●	●
	Auto Changeover		-	-	-	-	-	-
	Auto Restart		●	●	●	●	●	●

Controls and Accessories



Wireless Remote Controller

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

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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 controller[2].
- 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

[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	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_2e**		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			●	●

Controls and Accessories






Wireless Remote Controller	Advanced Wired Controller[3]	Simple Type Controller[3]	Touch Controller[3]
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

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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 Bixby Voice Controls and AI Auto Comfort.

			Indoor Unit	AR09BXFYDWKNEE	AR12BXFYDWKNEE
			Outdoor Unit	AR09BXFYDWKXEE	AR12BXFYDWKXEE
Capacity					
Capacity	**Cooling (Nominal)**	**kW**		2.5	3.5
	Cooling (Min–Max)	**kW**		0.9-3.6	0.9-4.8
	Heating @ +7 °C	**kW**		3.2	4.0
	Heating (Min–Max)	**kW**		0.8-7.1	0.8-7.3
	Heating @ 0 °C	**kW**		4.62	5.38
	Heating @ -10 °C	**kW**		4.10	4.66
	Heating @ -20 °C	**kW**		3.28	3.57
Performance					
Energy Efficiency Cooling	**SEER**[1]	**W/W**		8.8/ A+++	8.5/ A+++
	Consumption	**kWh/a**		99	144
	Pdesignc	**kW**		2.5	3.5
	EER	**W/W**		4.63	3.95
Energy Efficiency Heating	**SCOP**[1]	**W/W**		5.1/ A+++	5.1/ A+++
	Consumption	**kWh/a**		631	659
	Pdesignh (average)	**kW**		2.3	2.4
	COP[1]	**W/W**		4.74	4.26
Moisture Removal		**l/h**		1.0	1.5
Maximum Airflow (Cooling)	**Indoor Unit**	**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

[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	AR09BXFYDWKNEE	AR12BXFYDWKNEE
			Outdoor Unit	AR09BXFYDWKXEE	AR12BXFYDWKXEE
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_2e**		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			●	●

Controls and Accessories






Wireless Remote Controller	Advanced Wired Controller	Simple Type Controller	Touch Controller
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

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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 controller[2].
- 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_2e**		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			●	●

Controls and Accessories






Wireless Remote Controller	Advanced Wired Controller[3]	Simple Type Controller[3]	Touch Controller[3]
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

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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 controller[2].

		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

[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	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_2e**		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			●	●

Controls and Accessories









Wireless Remote Controller	Advanced Wired Controller[3]	Simple Type Controller[3]	Touch Controller[3]
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

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





		Indoor Unit	AC026BNJPKG/EU	AC035BNJPKG/EU
		Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035BXAPKG/EU
		Outdoor Unit - Tri-Phase	-	-
Capacity				
	Cooling (Min/Nominal/Max)	kW	0.78 / 2.60 / 4.10	0.89 / 3.50 / 4.90
	Heating up to +7 °C (Min/Nominal/Max)	kW	0.80 / 3.50 / 4.70	1.00 / 4.00 / 5.30
	Heating @ -5 °C	kW		
	Heating @ -15 °C	kW		
Performance				
Energy Efficiency Cooling	SEER[1]	W/W	6.4/ A++	6.1/ A++
	Power Consumption	kWh/a	142	161
	Pdesignc	kW	2.6	3.5
	EER	W/W	3.88	3.33
Energy Efficiency Heating	SCOP[1]	W/W	4.2/ A+	4.1/ A+
	Power Consumption	kWh/a	667	683
	Pdesignh (average)	kW	2.0	2.0
	COP[1]	W/W	3.33	3.13
Airflow Rate	Indoor Unit (H/M/L)	m³/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_2e	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

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

Controls and Accessories



Wireless Remote Controller (included)

AR-EH04E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG01JN/MWR-WG01KN

Wi-Fi Kit

MIM-H04EN



External Thermostat

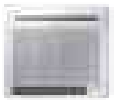
MRW-TA

Specifications

Console R32

- SPi Ioniser (included).
- Slim design: only 199 mm in depth.
- Two separate air outlets are possible, upper (cooling or heating) and bottom (cooling and heating)
- Long-life washable permanent filter.
- Auto Restart function.





			Indoor Unit	AC026RNJDKG/EU	AC035RNJDKG/EU	AC052RNJDKG/EU
			Outdoor Unit - Mono-Phase	AC026RXADKG/EU	AC035RXADKG/EU	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_2e		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

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

Controls and Accessories



Wireless Remote Controller

AR-EH03E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG01JN/MWR-WG01KN

Wi-Fi Kit

MIM-H04EN



External Thermostat

MRW-TA



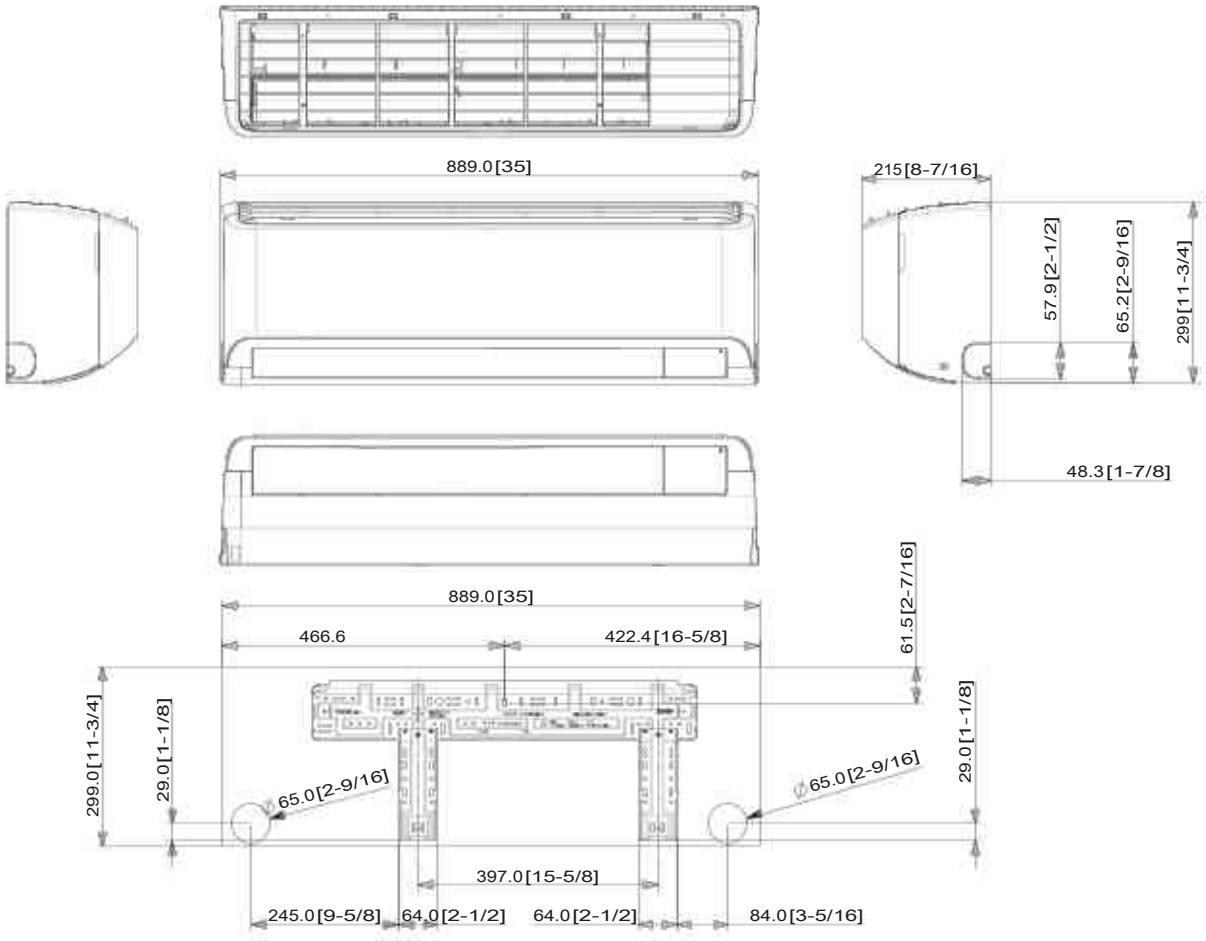


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Dimensional drawings

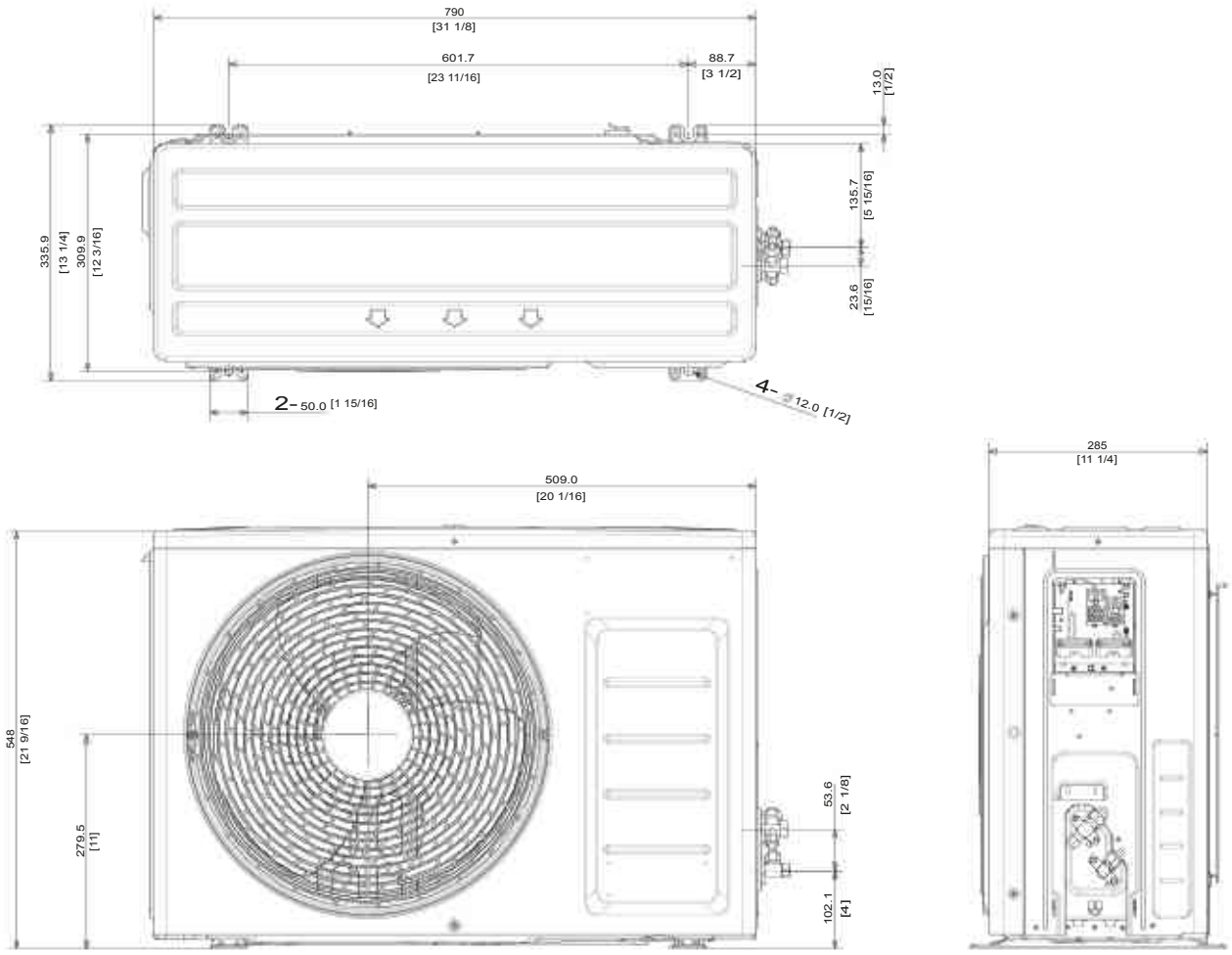
WindFree™ Elite S2 - Indoor

AR70F09/12CAAWNEU | Units: mm [inches]



WindFree™ Elite S2 - Outdoor

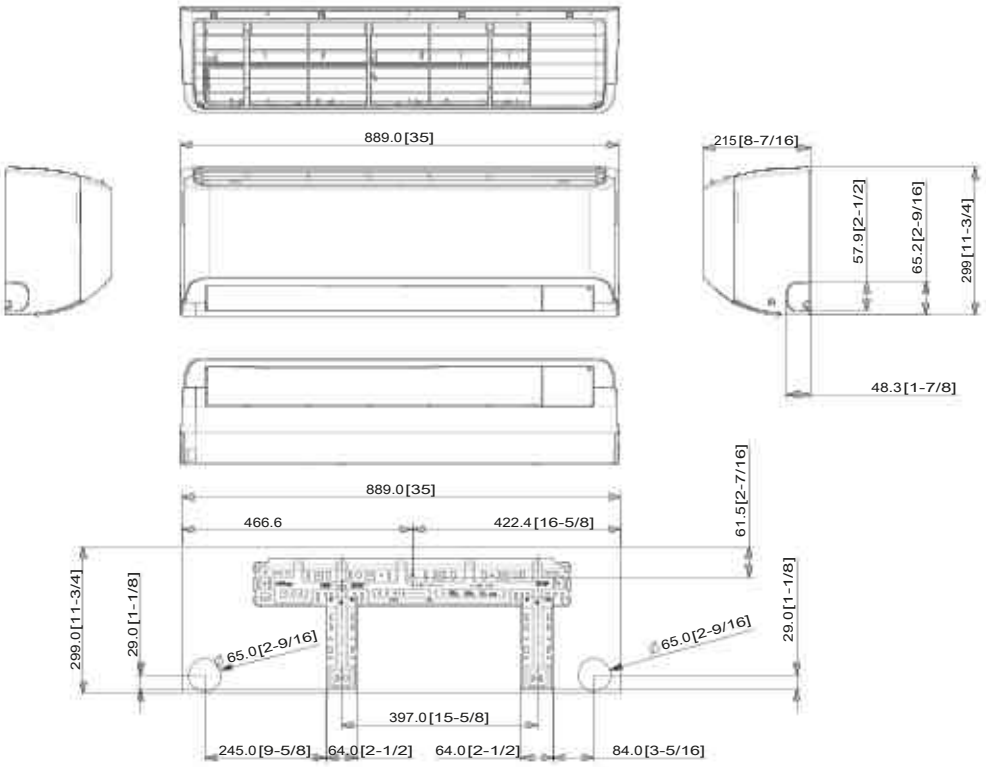
AR70F09/12CAAWXEU	Units: mm [inches]



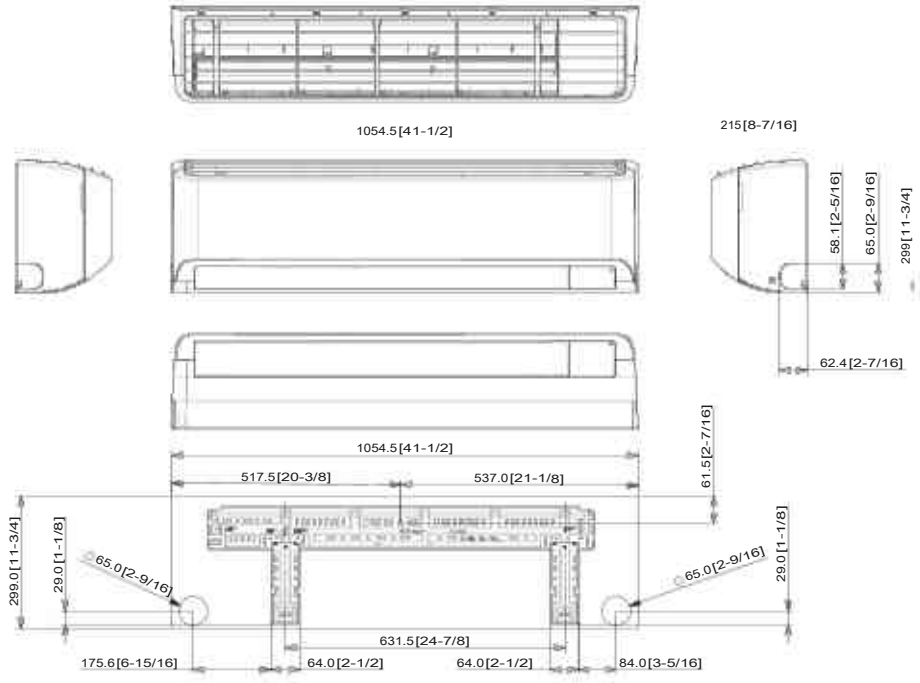
Dimensional drawings

WindFree™ Avant Black & Avant S2 - Indoor

AR70F07C1AWNEU, AR70F09C1AWNEU, AR70F12C1AWNEU, AR70F15C1AWNEU, AR70F07C1ABNEU, AR70F09C1ABNEU, AR70F12C1ABNEU Units: mm [inches]

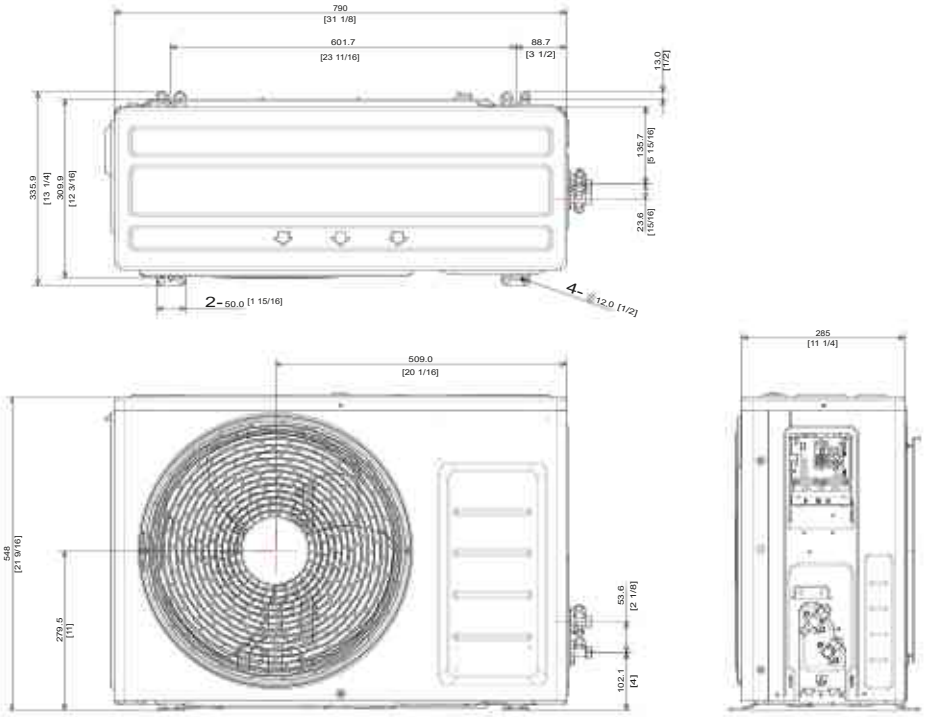


AR70F18/24C1AWNEU Units: mm [inches]

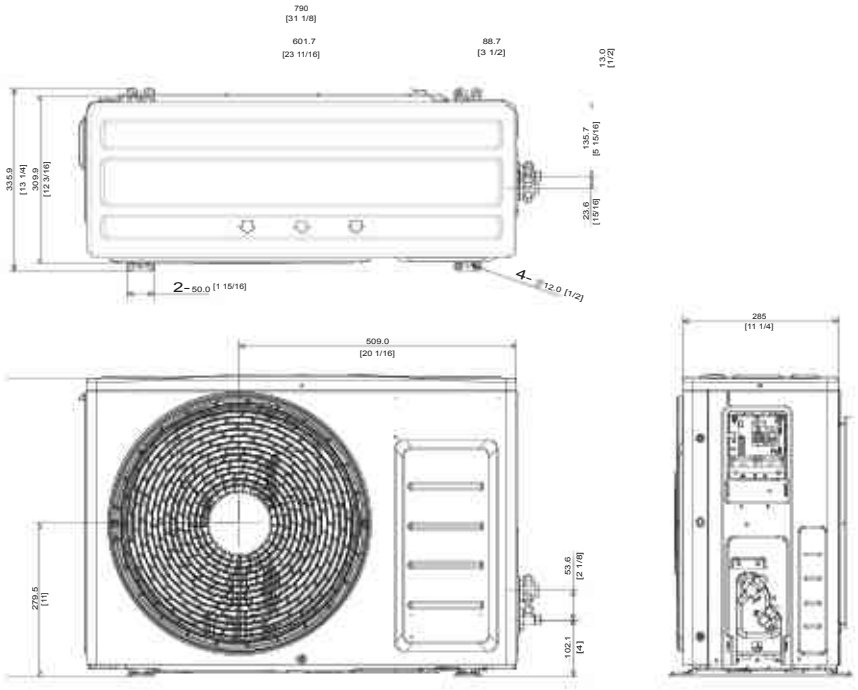


WindFree™ Avant Black & Avant S2 - Outdoor

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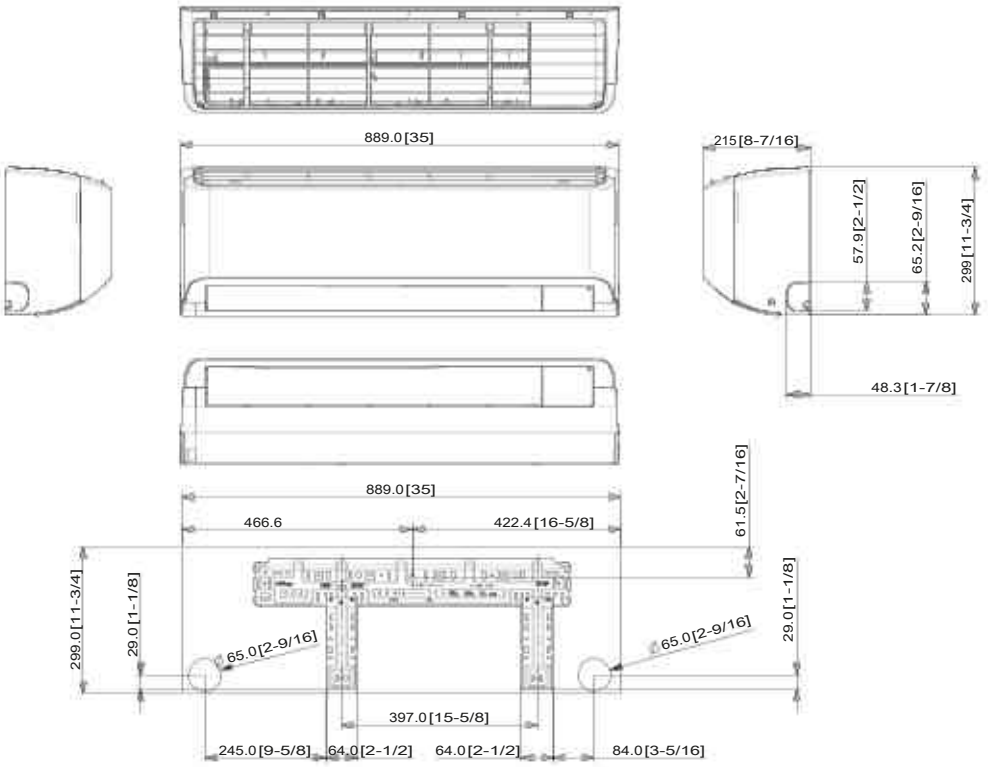
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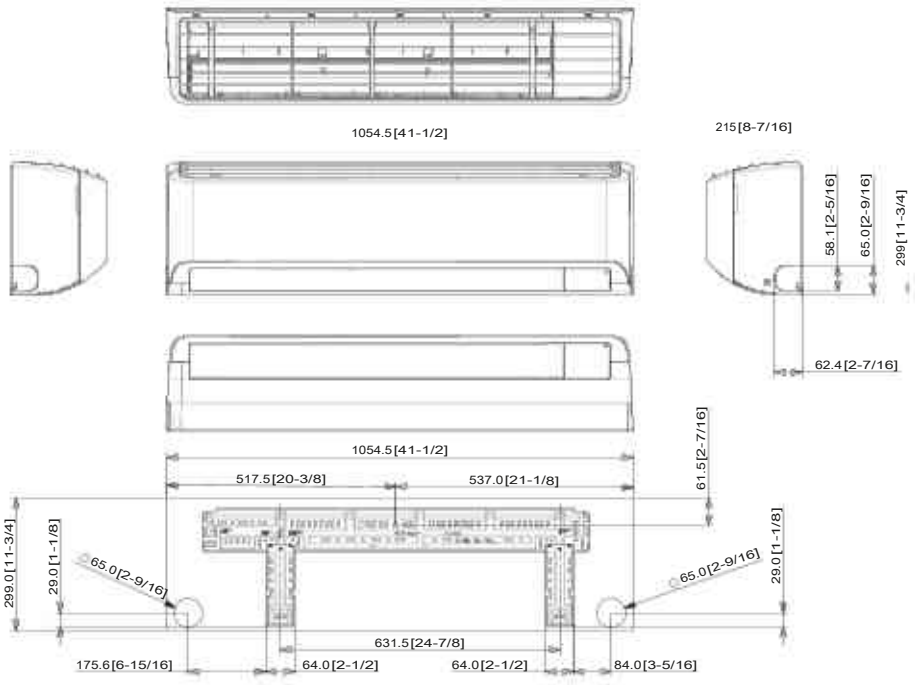
Dimensional drawings

WindFree™ Comfort S2 - Indoor

AR60F09C1AWNEU, AR60F12C1AWNEU Units: mm [inches]

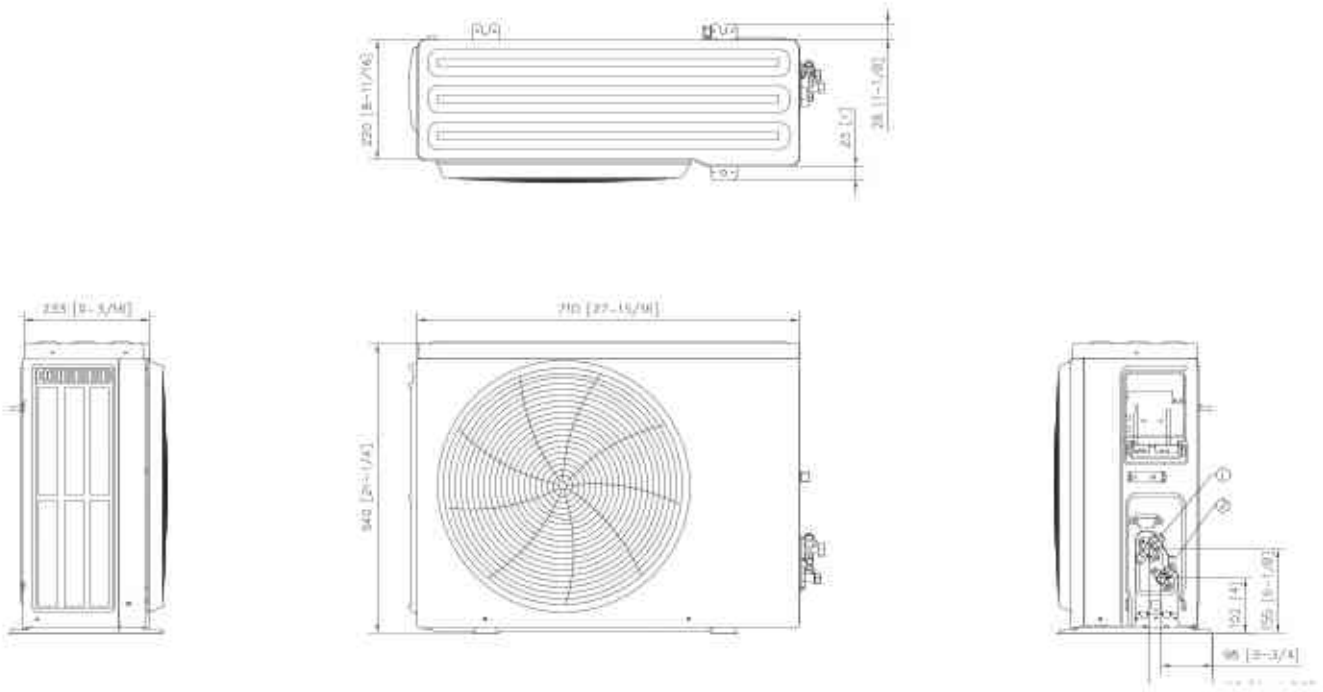


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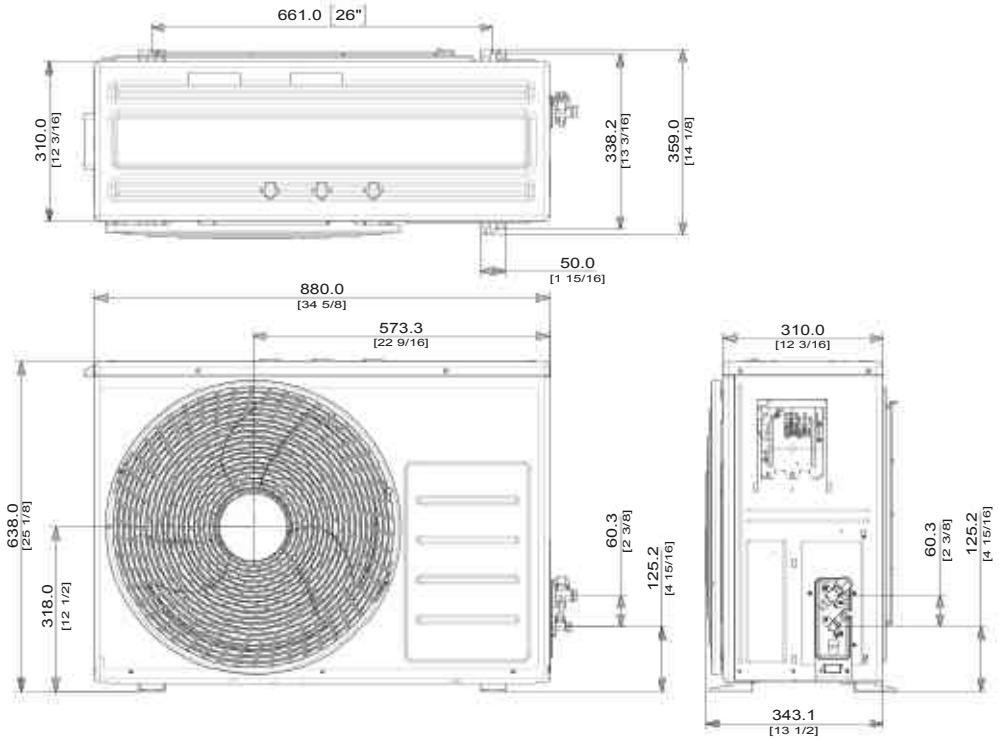


WindFree™ Comfort S2 - Outdoor

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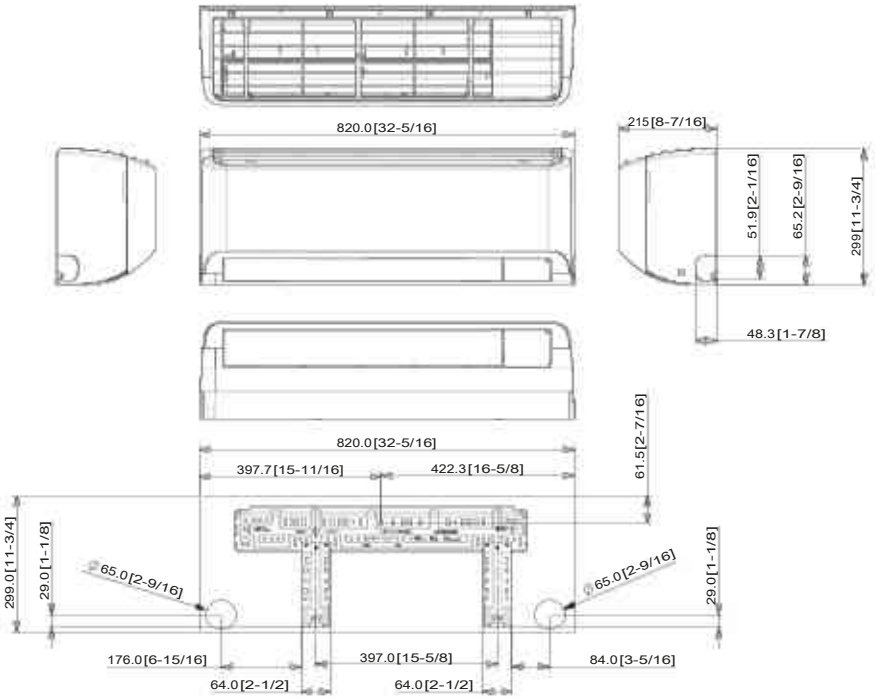
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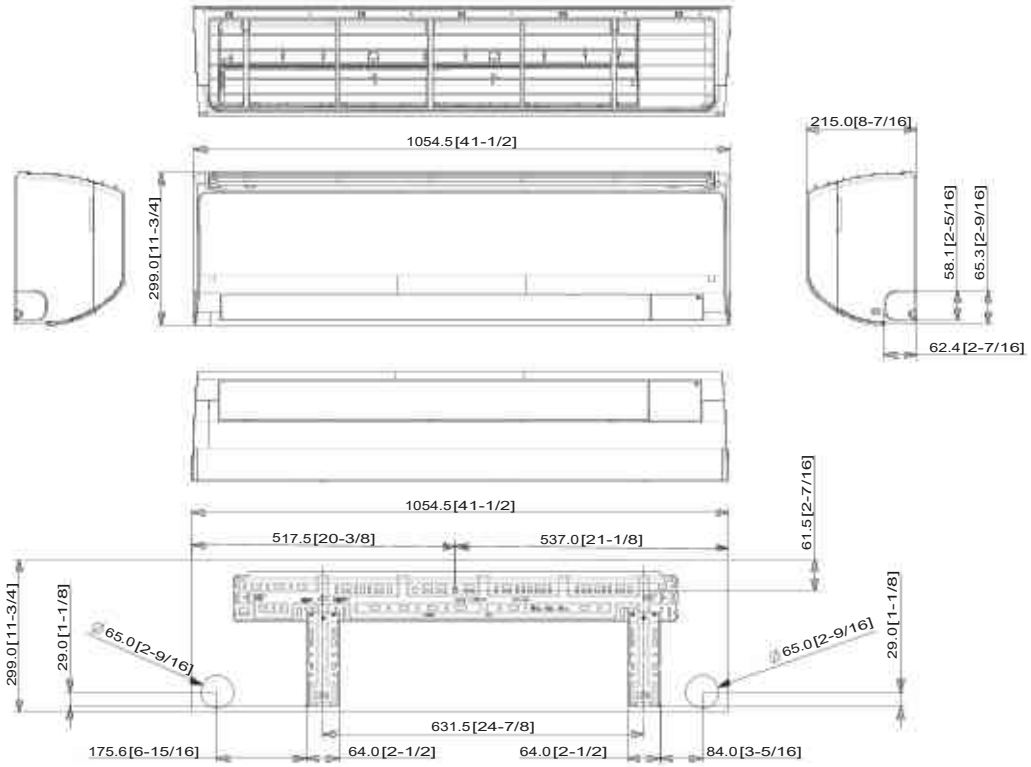
Dimensional drawings

Cebu S2 - Indoor

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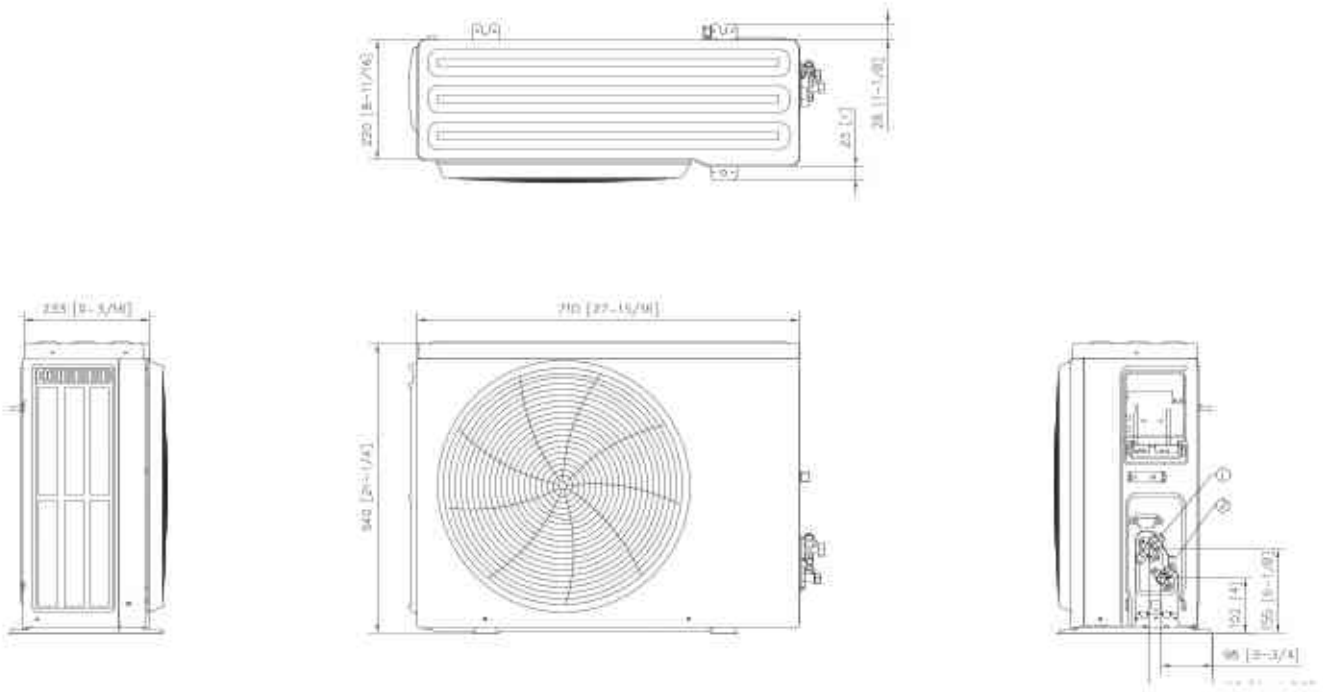


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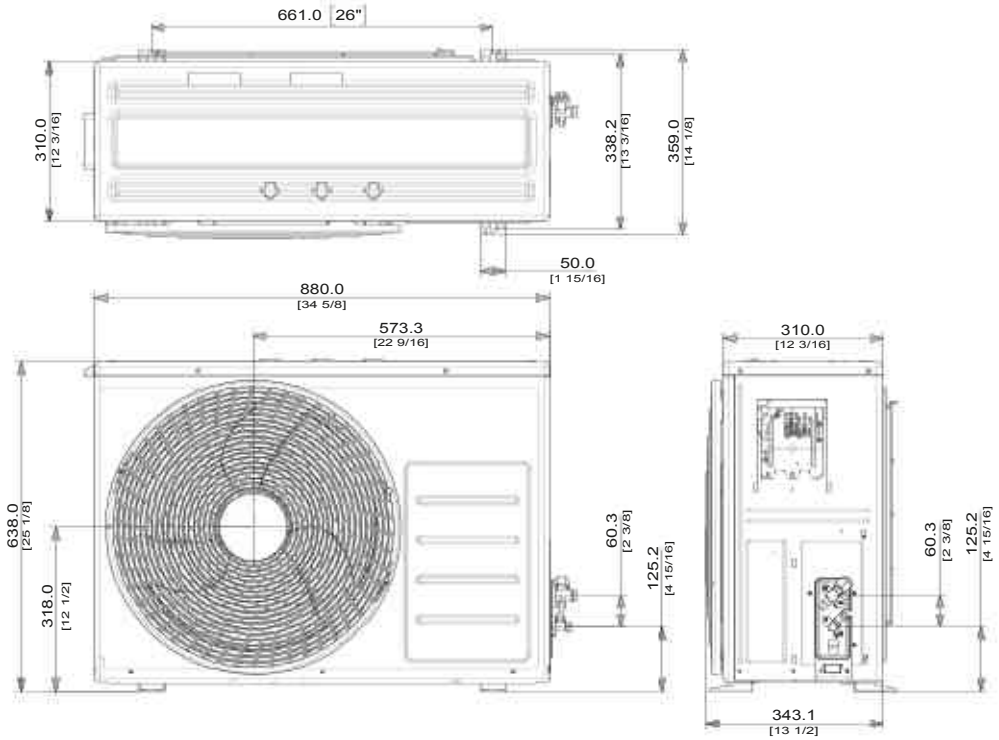


Cebu S2 - Outdoor

AR60F09C1AWXEU, AR60F12C1AWXEU Units: mm [inches]



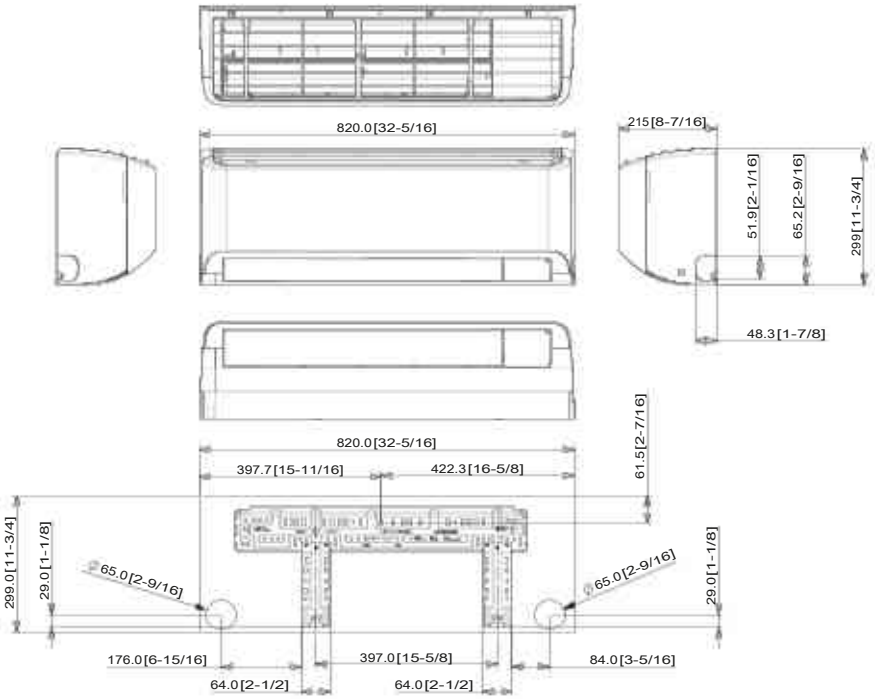
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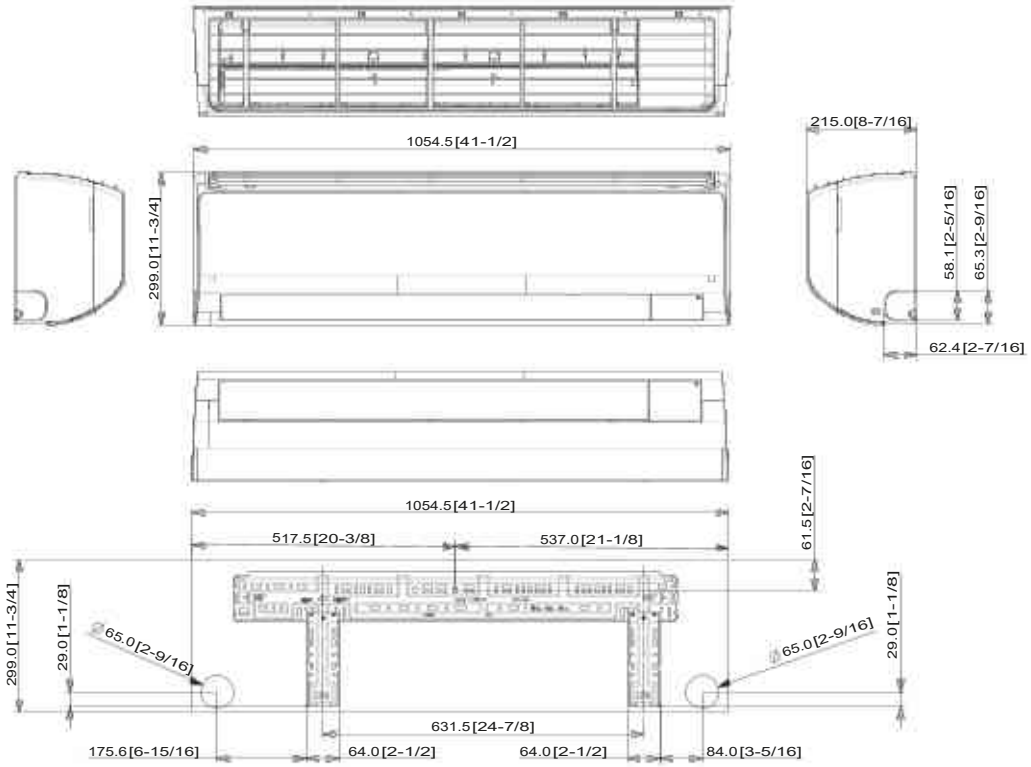
Dimensional drawings

Luzon S2 - Indoor

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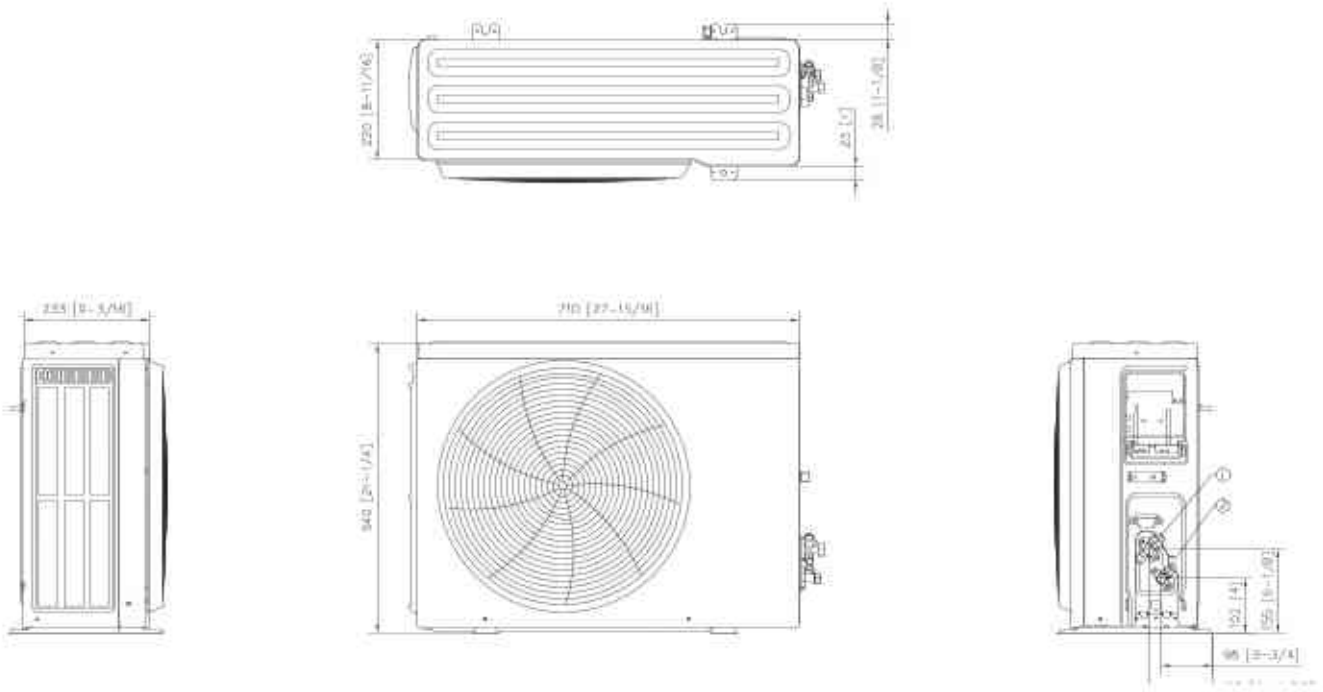


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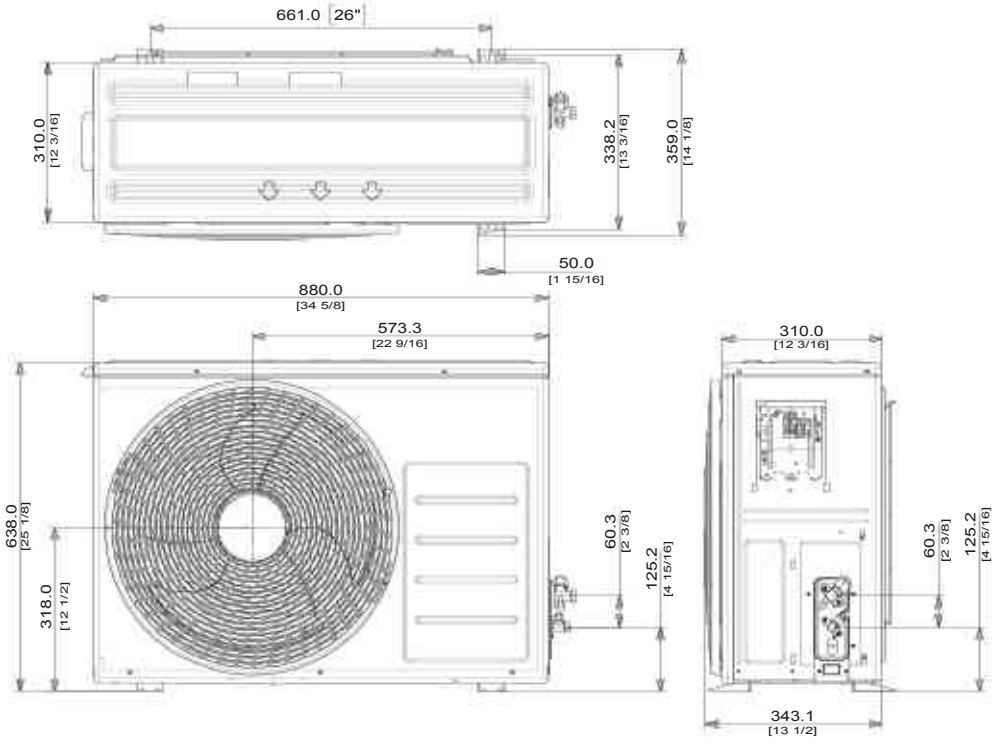


Luzon S2 - Outdoor

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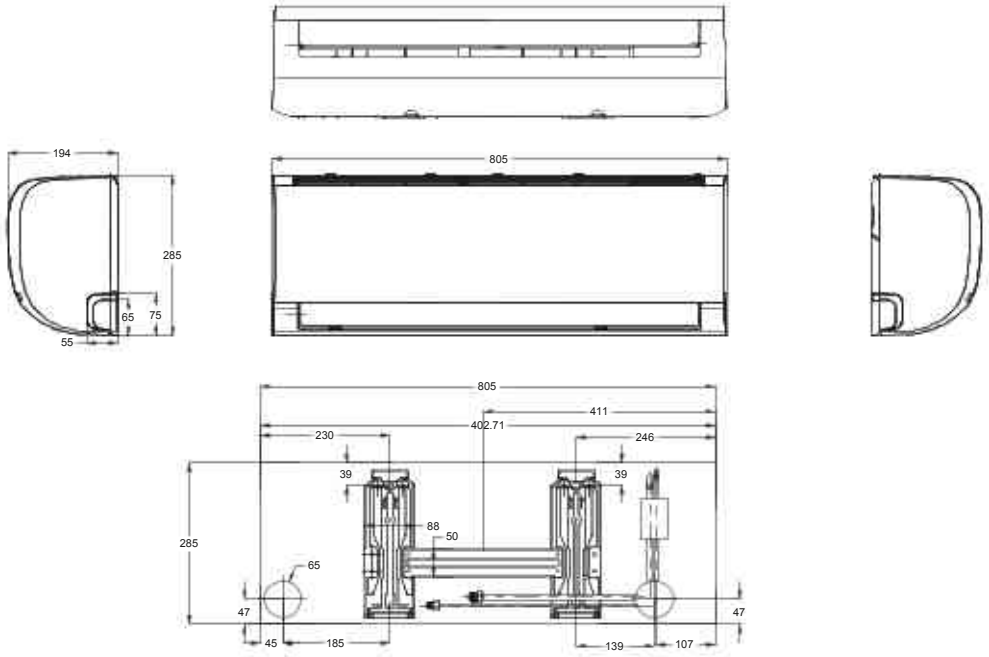
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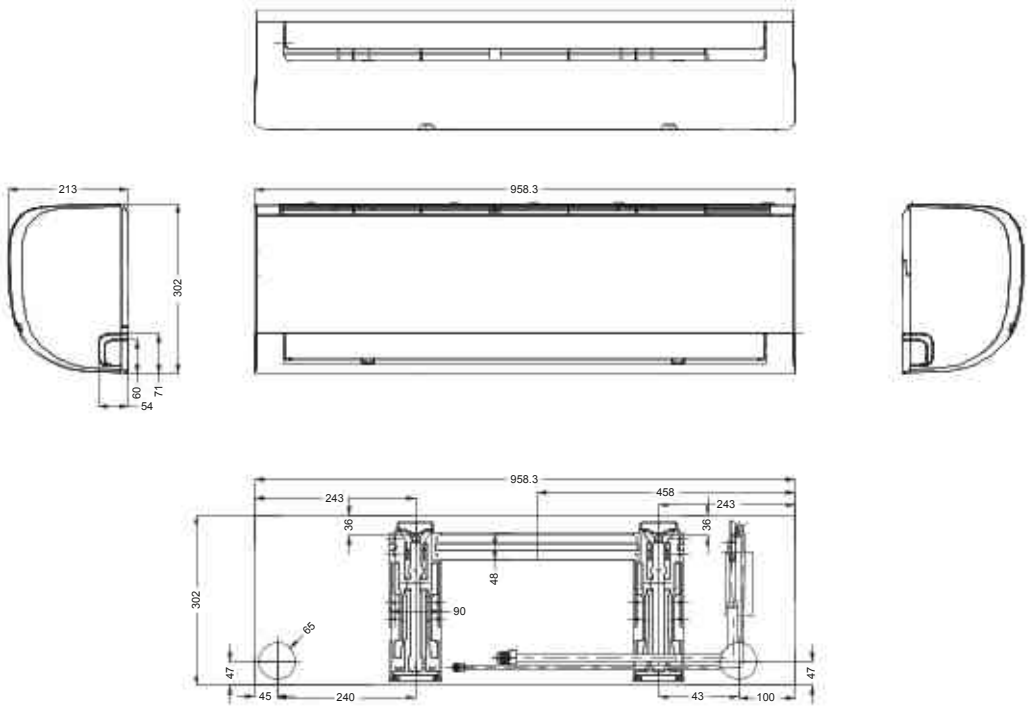
Dimensional drawings

AR35 - Indoor

AR09/12TXHQASINEU Units: mm [inches]

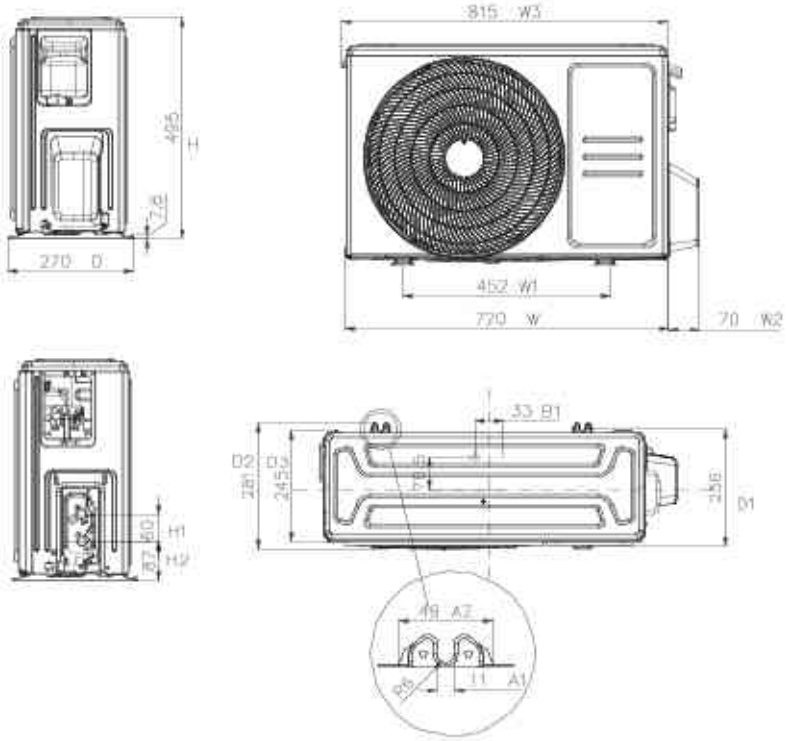


AR18BXHQASINEU Units: mm [inches]

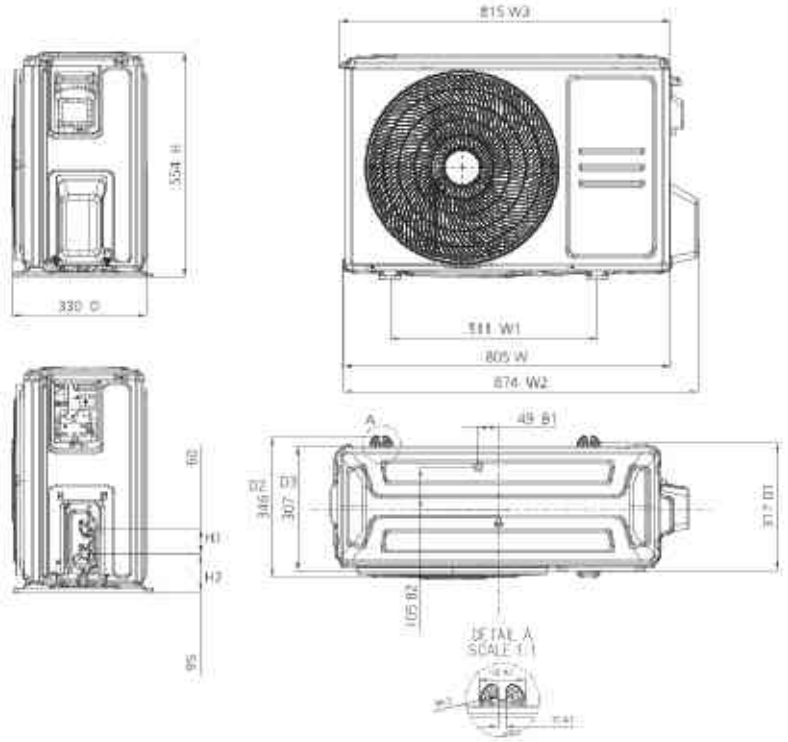


AR35 - Outdoor

AR09/12TXHQASIXEU Units: mm [inches]



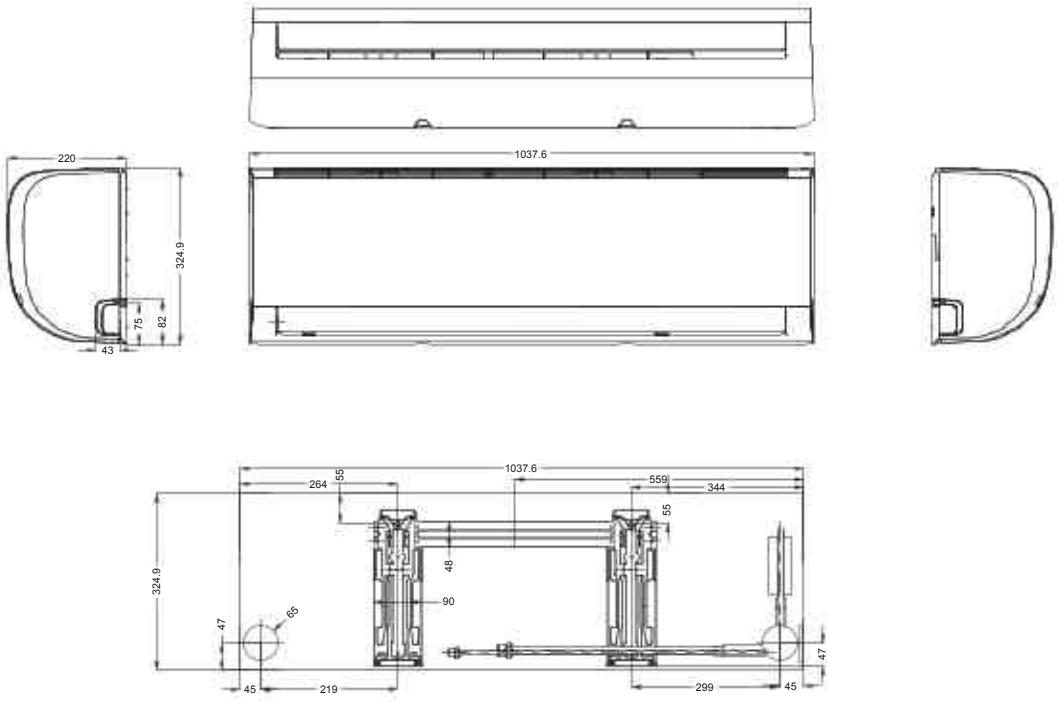
AR18BXHQASIXEU Units: mm [inches]



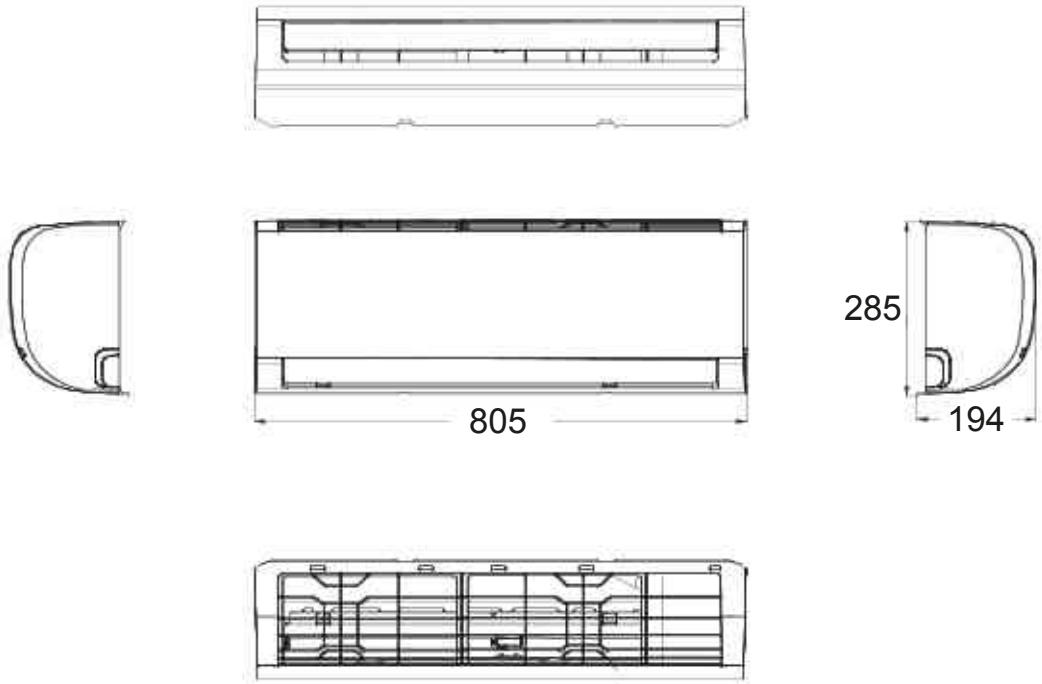
Dimensional drawings

AR35 and AR30 – Indoor

AR24BXHQASINEU Units: mm [inches]

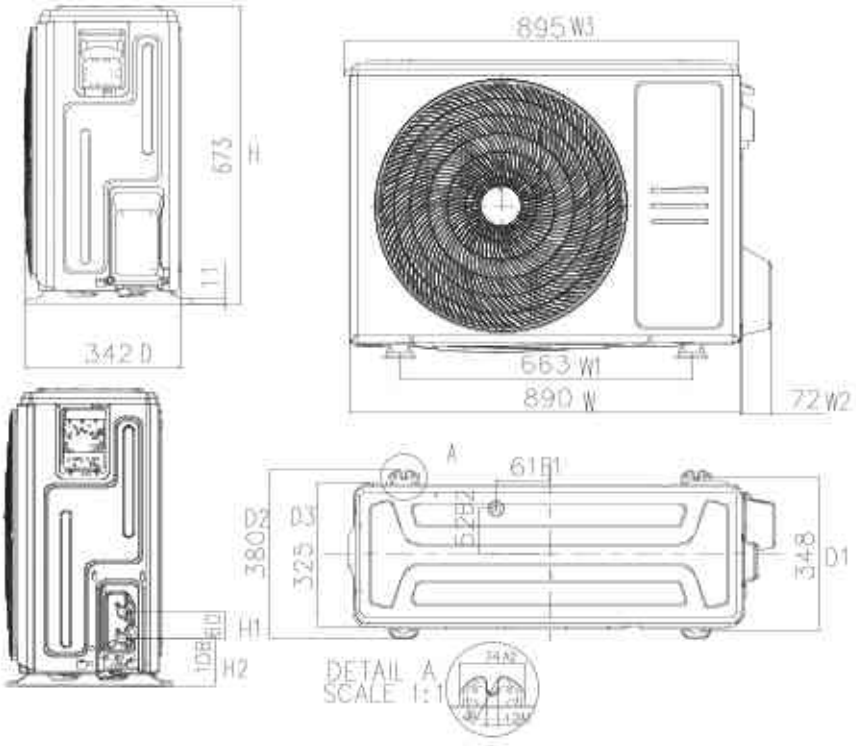


AR09/12TXHQBWKNEU Units: mm [inches]

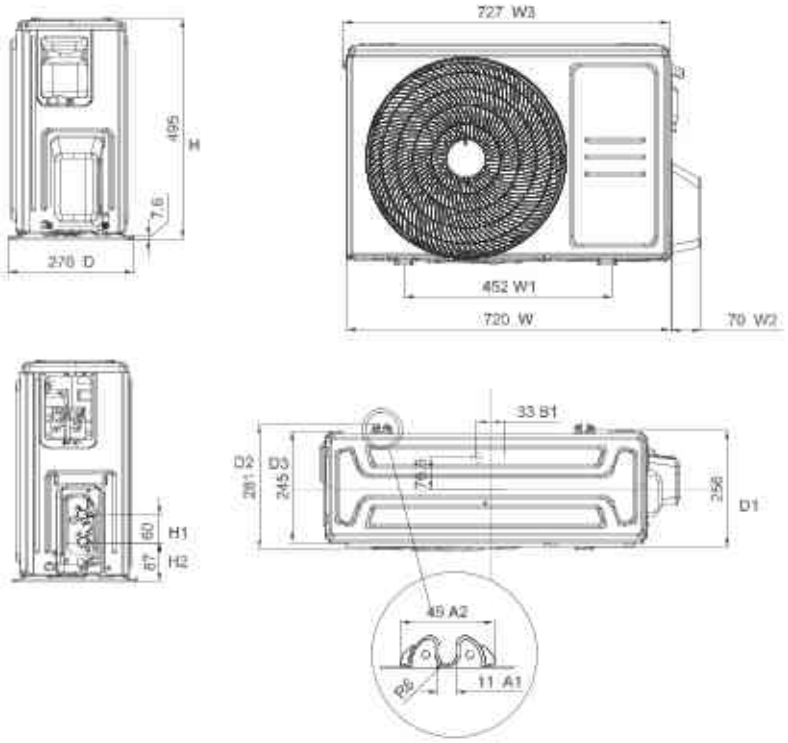


AR35 and AR30 – Outdoor

AR24BXHQASIXEU Units: mm [inches]



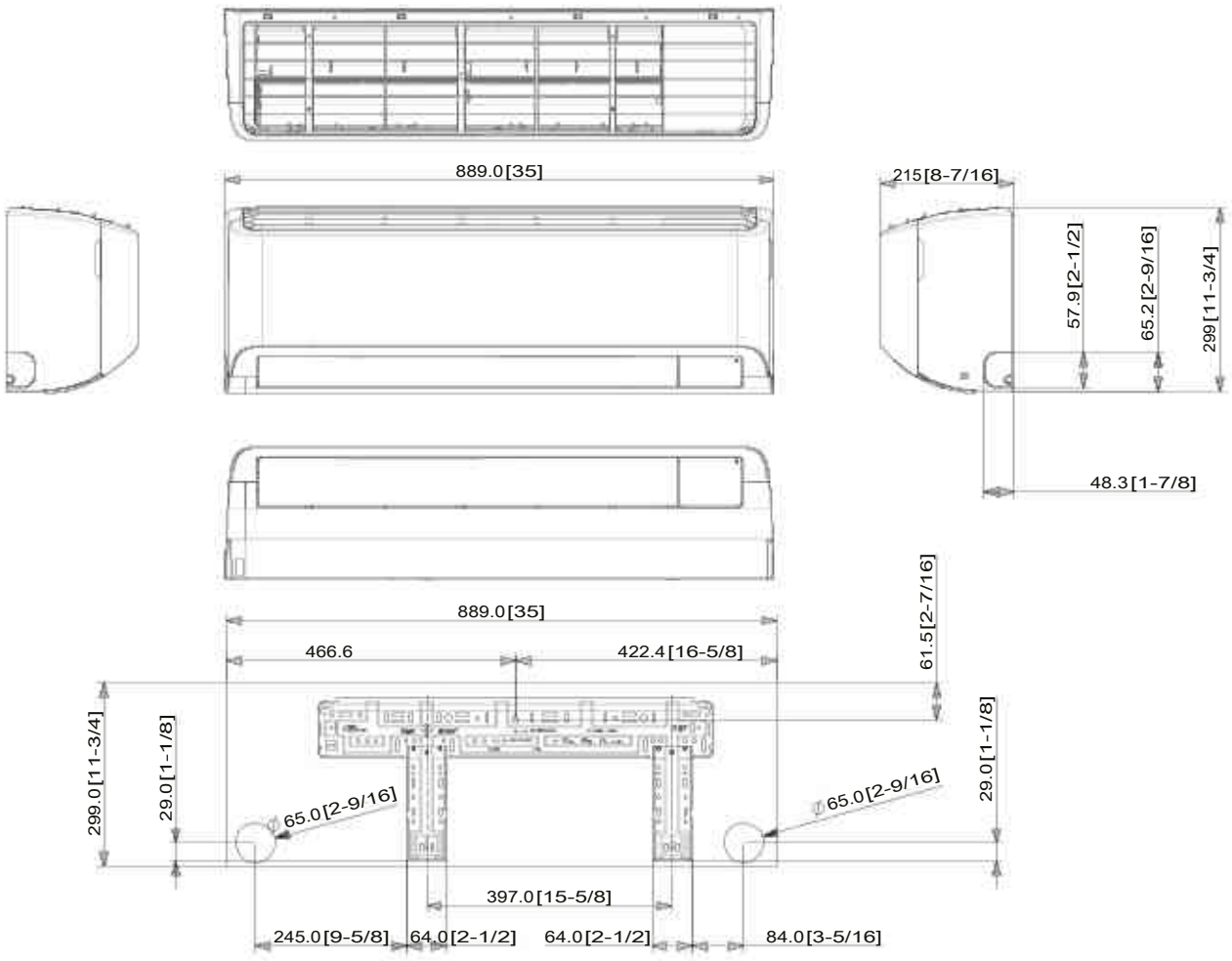
AR09/12TXHQBWKXEU Units: mm [inches]



Dimensional drawings

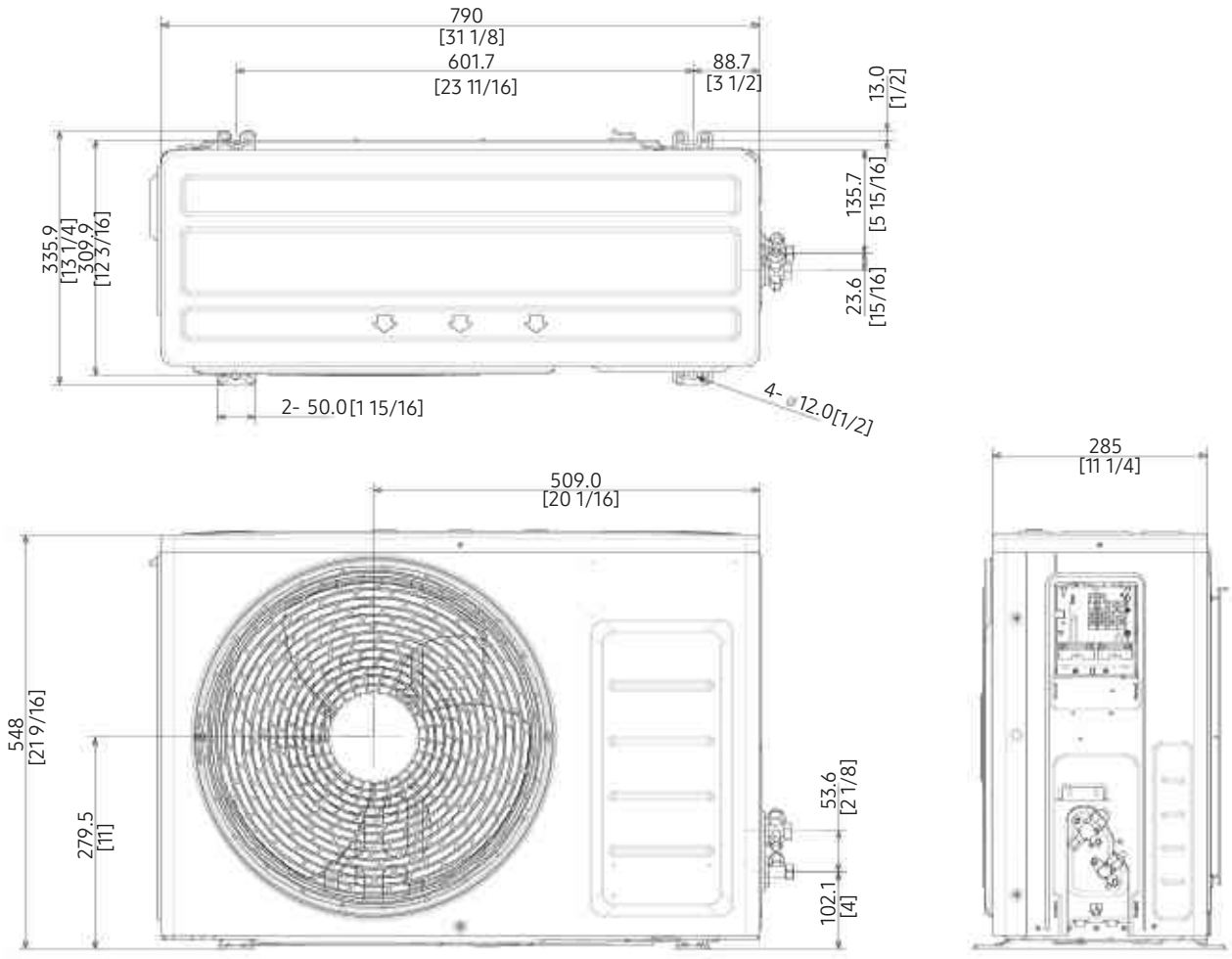
Nordic WindFree™ Geo - Indoor

AR09/12TXCACWKNEE | Units: mm [inches]



Nordic WindFree™ Geo - Outdoor

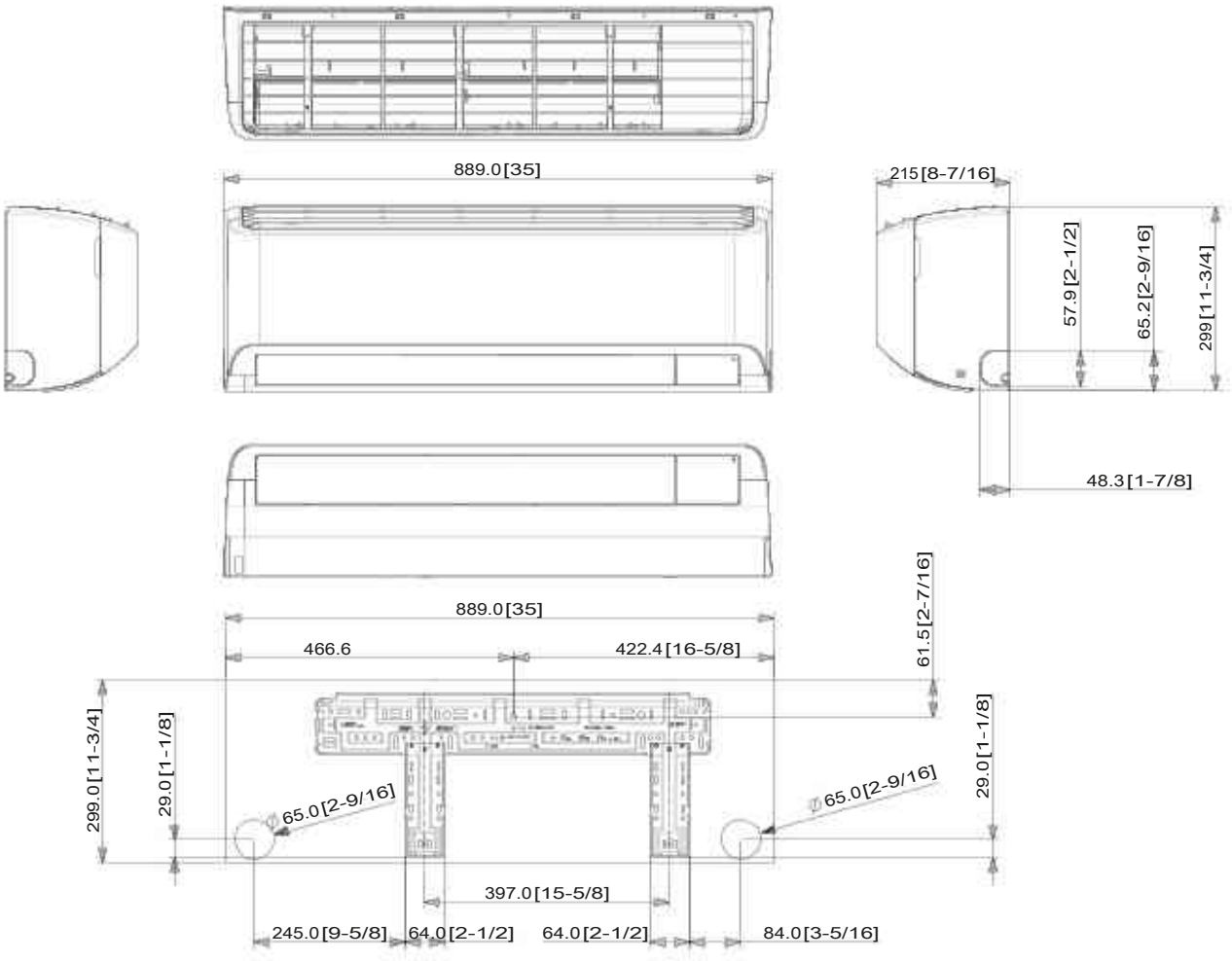
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Dimensional drawings

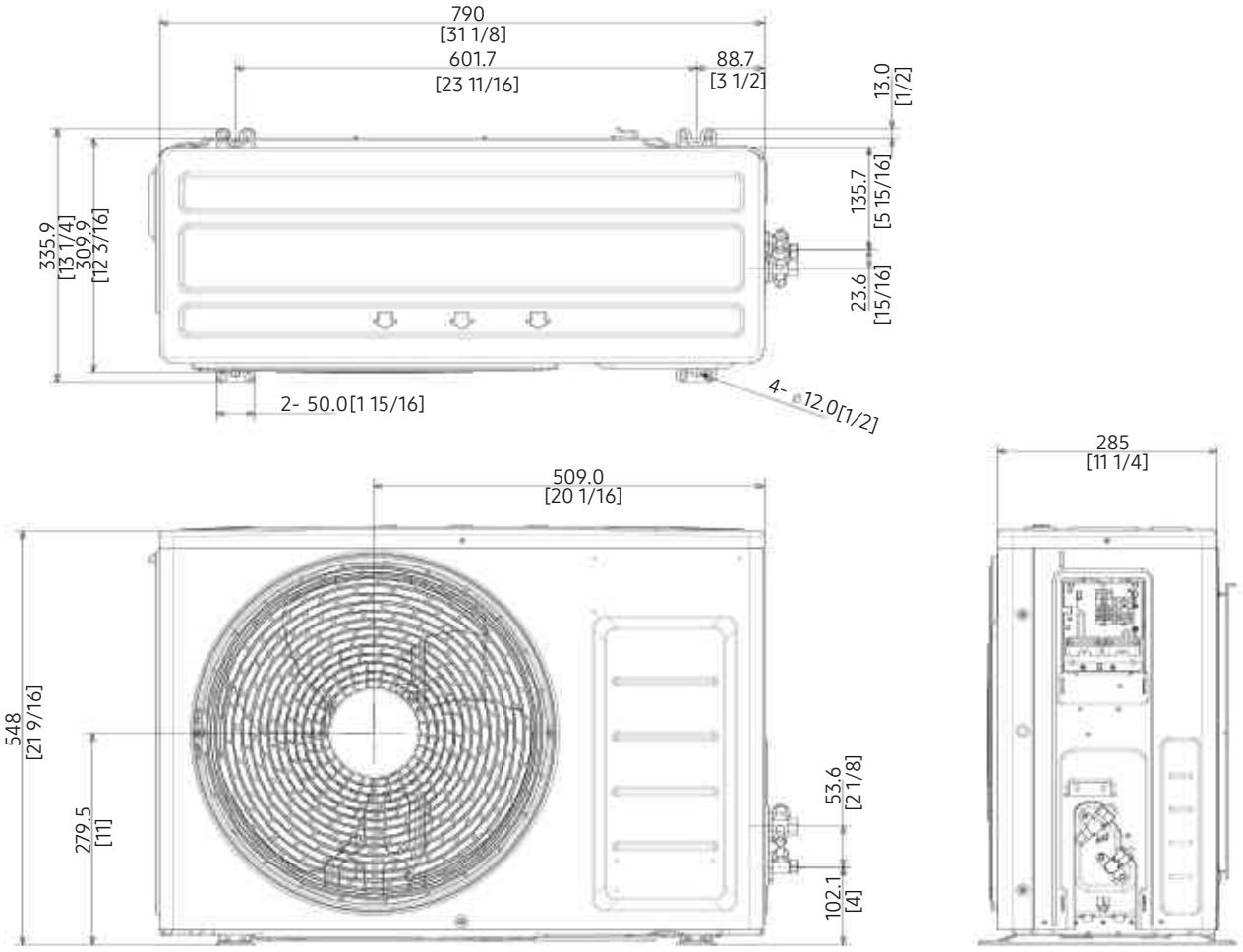
Nordic Geo Premium - Indoor

AR09/12BXFYDWKNEE	Units: mm [inches]



Nordic Geo Premium - Outdoor

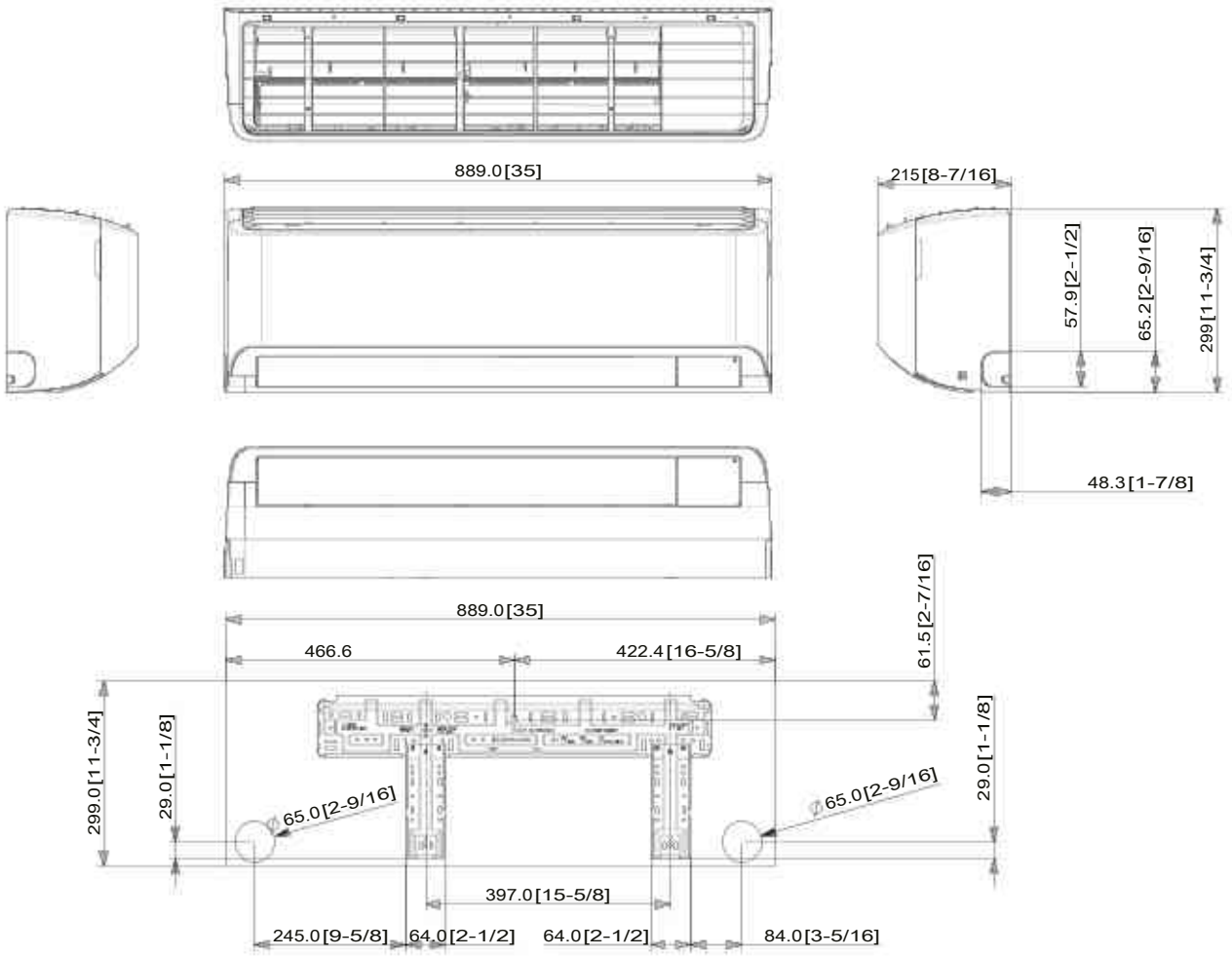
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Dimensional drawings

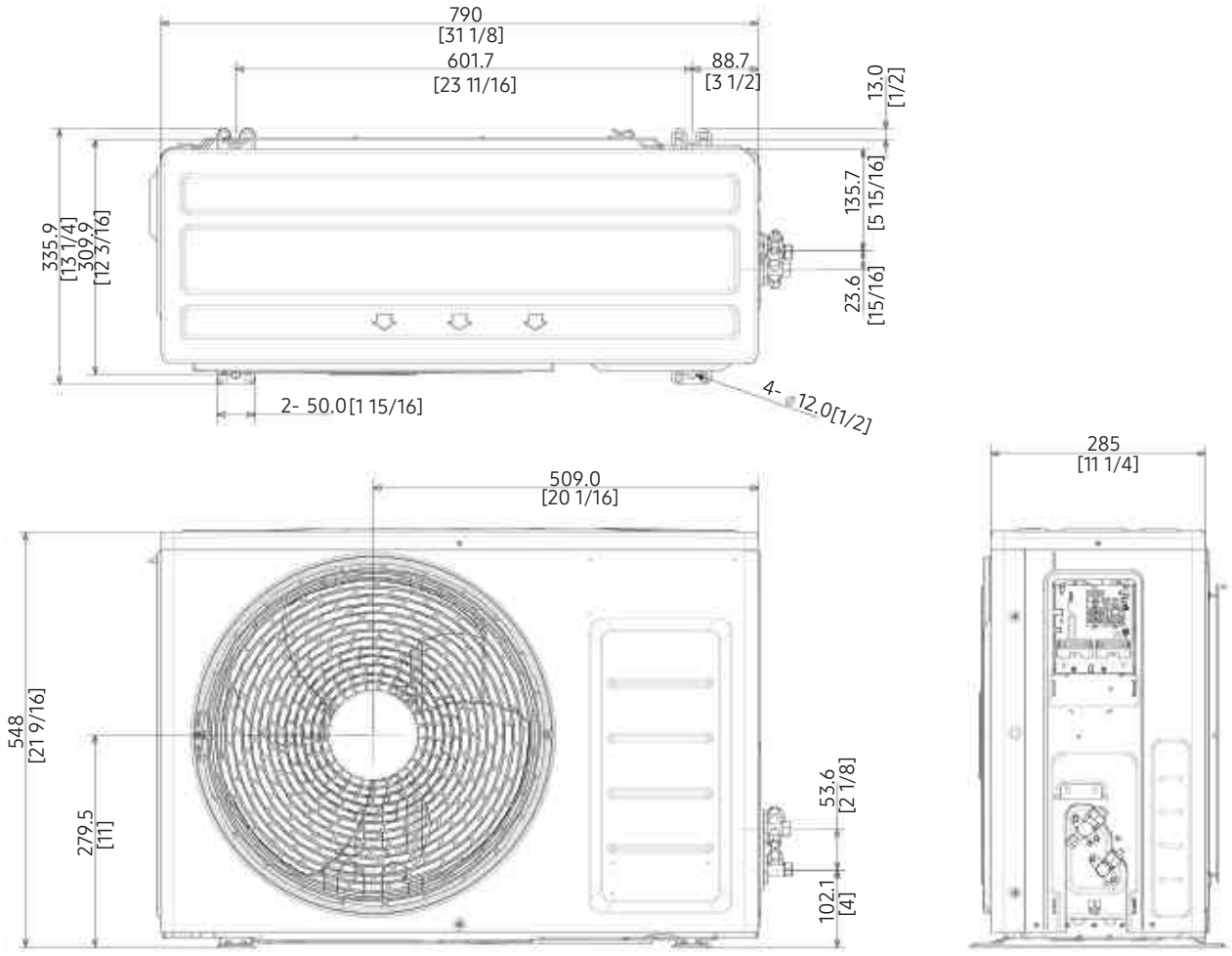
Nordic Geo - Indoor

AR09/12TXFYBWKNEE | Units: mm [inches]



Nordic Geo - Outdoor

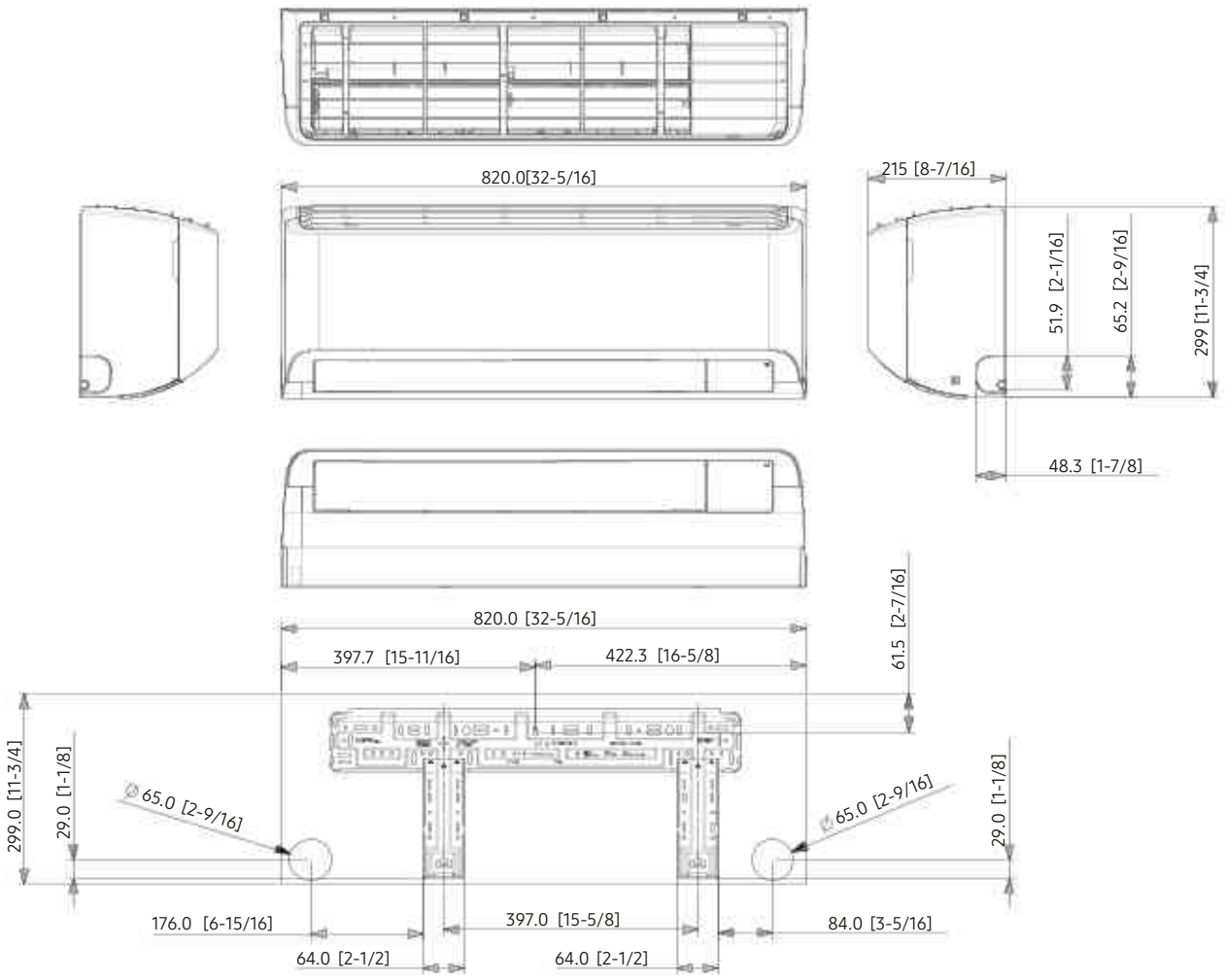
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Dimensional drawings

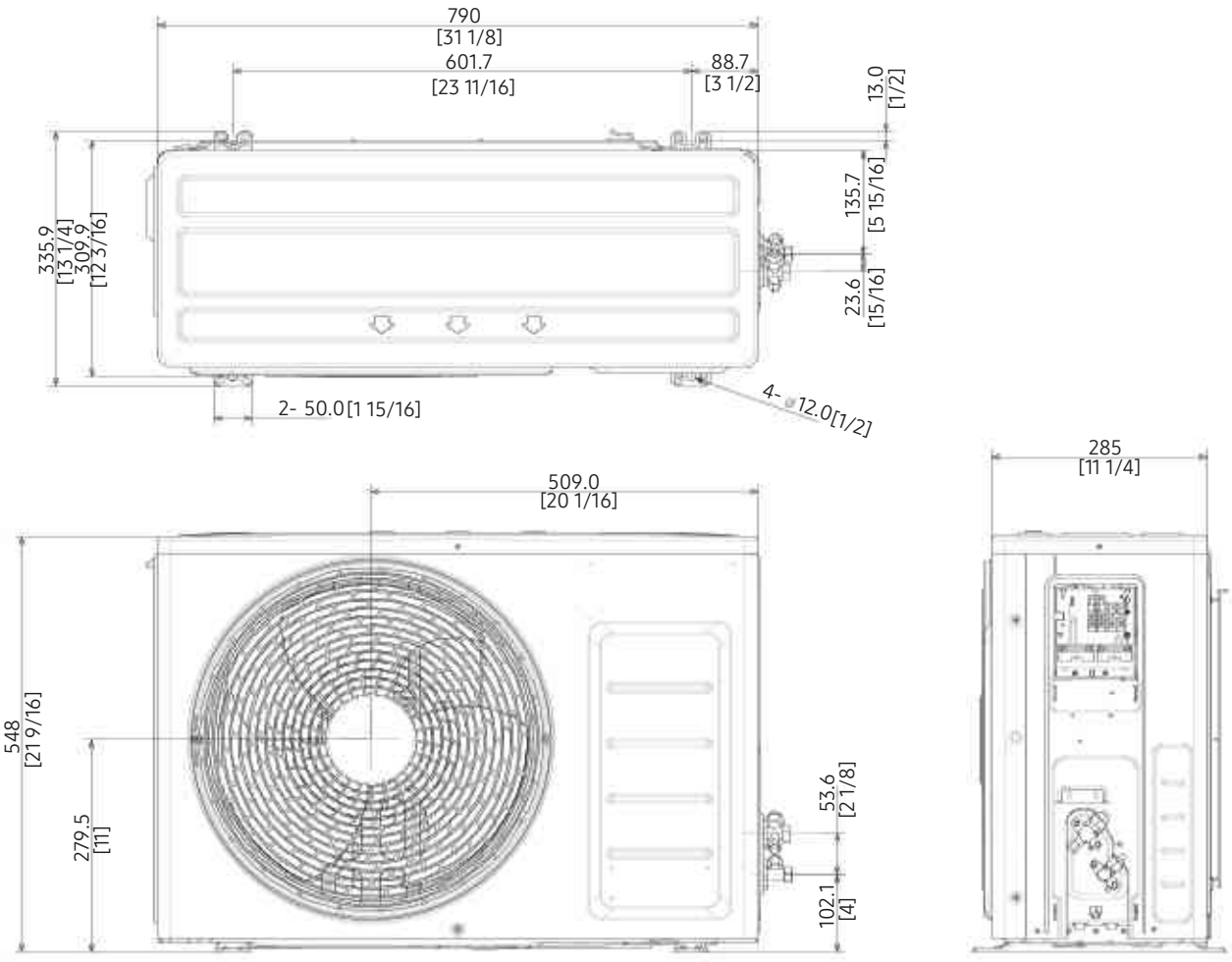
Nordic Airise - Indoor

AR09TXFZBWKNEE	Units: mm [inches]



Nordic Airise - Outdoor

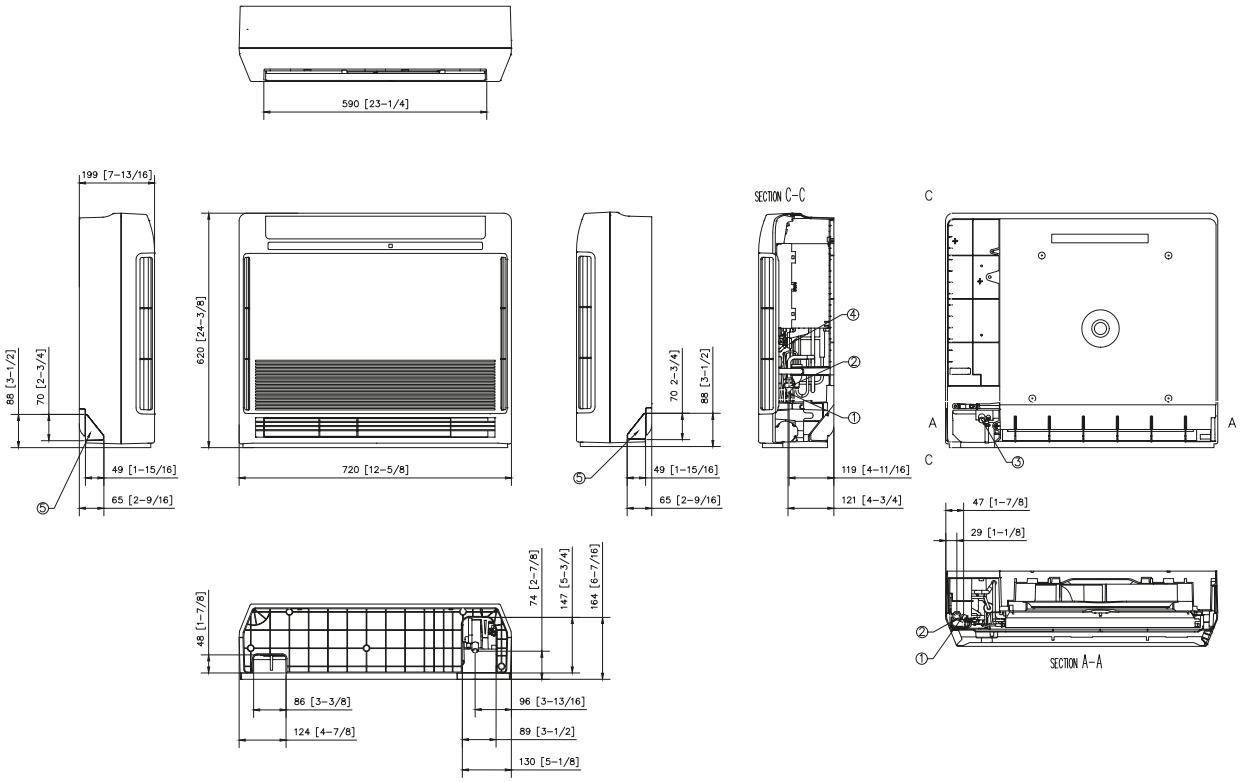
AR09TXFZBWKXEE	Units: mm [inches]



Dimensional drawings

Nordic Console R32

AC026/035BNJPKG/EU — Units: mm [inches]



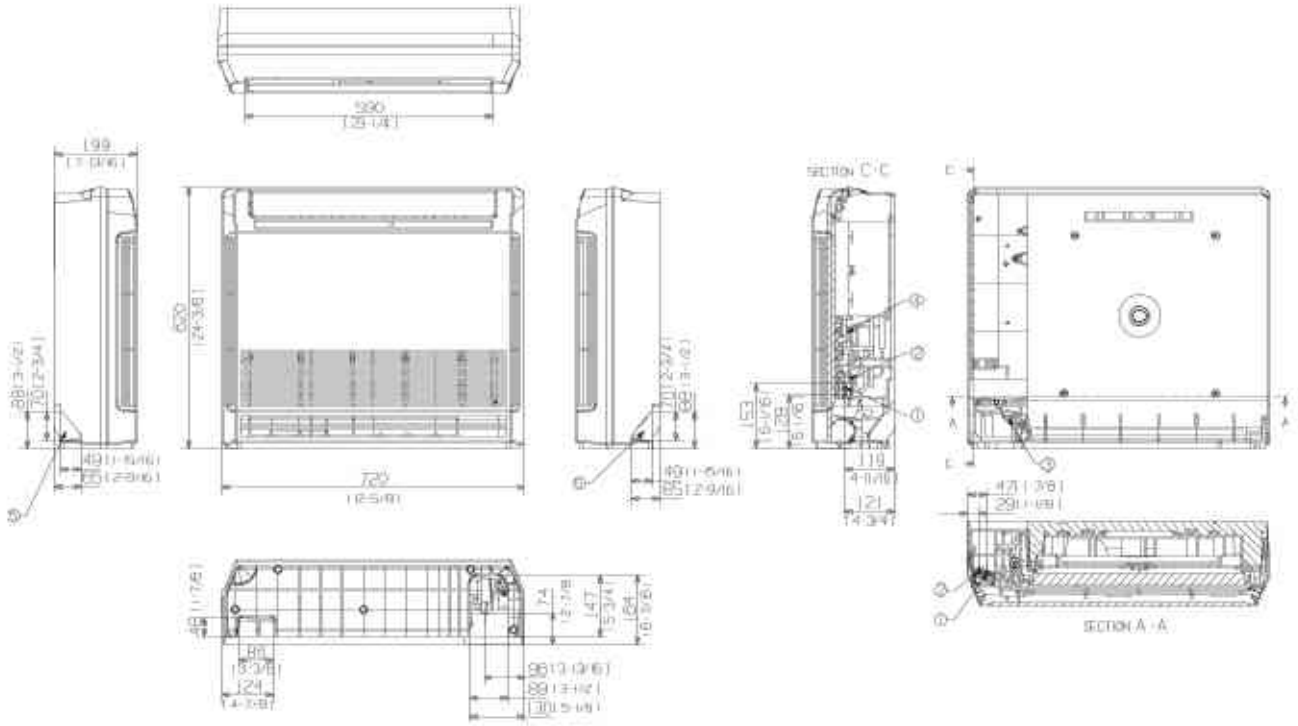
NO	Name	Description	
		AC026BNJPKG/EU	AC035BNJPKG/EU
1	Liquid pipe connection	ø6.35 (1/4)	
2	Gas pipe connection	Φ9.52(3/8)	Φ12.7(1/2)
3	Drain pipe connection	ID18mm [11/16inch] Hose	
4	Power supply & Communication wiring conduit		
5	Knockout hole for drain hose		

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

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		

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Multi split

Climate comfort in multiple rooms or zones

A multi split air conditioning system connects one outdoor unit to up to five indoor units. Instead of installing separate systems for different rooms, you can maintain a comfortable indoor climate with a single outdoor unit and save outdoor space. Each indoor unit can be controlled separately to adapt settings and temperatures to individual preferences. This enables rooms and zones to be cooled or heated separately, which is ideal for large, open-plan spaces. You can choose from a wide range of indoor units and create a tailor-made solution.





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Line-up

Indoor

Model		1.6 kW	2.0 kW	2.5 kW	3.5 kW	5.2 kW	6.8 kW
WindFree™ Elite S2		-	●	●	●	-	-
WindFree™ Avant S2		-	●	●	●	●	●
WindFree™ Avant Black		-	●	●	●	-	-
WindFree™ Comfort S2		-	●	●	●	●	●
Cebu S2		-	●	●	●	●	●
Luzon S2		-	●	●	●	●	●
WindFree™ 1-Way Cassette		-	-	●	●	-	-
WindFree™ 4-Way 600 x 600 Cassette		●	●	●	●	●	-
Console		-	-	●	●	●	-
LSP Slim Duct with Pump		-	-	●	●	-	-
MSP Duct		-	-	-	-	●	-

Outdoor



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



Selection guide

Wall-Mounted



	Model	WindFree™ Elite S2	WindFree™ Avant S2 & WindFree™ Avant Black	WindFree™ Comfort S2
Airflow	WindFree™ Cooling	●	●	●
	Air Direction Control (Up/Down)	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto
	Air Flow Control Step (Cool/Fan)	5/4	5/4	5/4
	Auto Fan Speed	●	●	●
Air Purification	PM_{10} Reduction	●	●	-
	Pre-Filter	-	-	-
	Easy Filter Plus	●	●	●
	Tri-Care Filter	●	●	-
	Anti-Bacteria Coating	●	●	●
	Anti-Virus Coating	●	●	-
	Auto Clean (Self Cleaning)	●	●	●
Functions	Samsung SmartThings	●	●	●
	Smart Operation (AI)	●	●	●
	MDS (Motion Detect Sensor)	●	-	-
	Humidity Sensor	●	●	●
	Filter Cleaning Indication	●	●	●
	Indoor Temperature Display	●	●	●
	Energy Consumption Indication	●	●	●
	Voice Control with Bixby	●	●	●
	Display On/Off 88 Display	●	●	●
	Beep On/Off	●	●	●
	24-Hour Timer / Real Timer	●	●	●
	Auto Changeover	●	●	●
	Auto Restart	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/Indirect)	●	-	-
	AI Auto Comfort with Wi-Fi	●	●	●
	Auto Mode (without Wi-Fi)	-	-	-
	Fast Cooling	●	●	●
	Good Sleep	●	●	●
	Eco	●	●	●
	Dehumidification	●	●	●
	Fan	●	●	●
	Quiet	●	●	●
Triple Protector	Anti-Corrosion Fin	●	●	●
	Compressor Protector	●	●	●
	PBA Protector	●	●	●
Controls	Remote controller included	●	●	●
	Wired Remote Controller	Optional	Optional	Optional
	Centralised controller compatibility	Optional	Optional	Optional
Others	Drain Pump included	-	-	-

Wall-Mounted

	Cebu S2	Luzon S2
	-	-
	Auto	Auto
	Auto	Auto
	5/4	5/4
	●	●
	-	-
	-	-
	●	●
	-	-
	●	●
	-	-
	●	●
	●	●
	●	●
	-	-
	-	-
	●	●
	●	●
	●	Optional
	●	-
	●	●
	●	●
	●	●
	●	●
	●	●
	-	-
	●	●
	-	-
	●	●
	●	●
	●	●
	●	●
	●	●
	●	●
	●	●
	●	●
	●	●
	Optional	Optional
	Optional	Optional
	-	-

Selection guide

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

		Duct		Others
				
	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

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

Multi Split - Outdoor units

AJ	52	T	X	J	3	K	G	EU
1	2	3	4	5	6	7	8	

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

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



Compatibility guide

Multi Split Wall Mounted Indoor Unit



		Model	WindFree™ Elite S2			WindFree™ Avant S2 & WindFree™ Avant Black					WindFree™ Comfort S2				
		Indoor unit model code	AR70F07/09/12CAAWNEU			AR70F07/09/12/18/24C1AWNEU AR70F07/09/12C1ABNEU					AR60F07/09/12/18/24C1AWNEU				
Refrigerant type	Outdoor unit model code	Capacity (kW)	2.0	2.5	3.5	2.0	2.5	3.5	5.2	6.8	2.0	2.5	3.5	5.2	6.8
R32	AJ040TXJ2KG/EU	4.0	●	●	●	●	●	●			●	●	●		
	AJ050TXJ2KG/EU	5.0	●	●	●	●	●	●	●		●	●	●	●	
	AJ052TXJ3KG/EU	5.2	●	●	●	●	●	●	●		●	●	●	●	
	AJ068TXJ3KG/EU	6.8	●	●	●	●	●	●	●		●	●	●	●	
	AJ080TXJ4KG/EU	8.0	●	●	●	●	●	●	●	●	●	●	●	●	●
	AJ100TXJ5KG/EU	10.0	●	●	●	●	●	●	●	●	●	●	●	●	●

Other Multi Split Indoor Unit



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

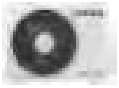
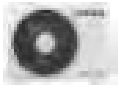
Multi Split Wall Mounted Indoor Unit

	Cebu S2					Luzon S2				
	AR50F0709/12/18/24C1AHNEU					AR50F07/09/12/18/24C1BHNEU				
	2.0	2.5	3.5	5.2	6.8	2.0	2.5	3.5	5.2	6.8
	●	●	●			●	●	●		
	●	●	●	●		●	●	●	●	
	●	●	●	●		●	●	●	●	
	●	●	●	●		●	●	●	●	
	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●

Specifications

Outdoor units R32

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


			Outdoor Unit	AJ040TXJ2KG/EU	AJ050TXJ2KG/EU	AJ052TXJ3KG/EU
			Maximum number of connectable indoor units	2	2	3
Capacity						
Capacity	Cooling (Nominal)	kW		4.0	5.0	5.2
	Heating @ +7 °C	kW		4.2	5.6	6.3
	Heating @ -5 °C	kW		3.16	4.22	4.22
	Heating @ -10 °C	kW		2.70	3.60	3.60
	Heating @ -15 °C	kW		2.23	2.98	2.98
Performance						
Energy Efficiency Cooling	SEER[1]	W/W		8.54/ A+++	8.54/ A+++	8.51/ A+++
	Power Consumption	kWh/a		164	205	206
	Pdesignc	kW		4.0	5.0	5.0
	EER	W/W		4.44	4.10	4.16
Energy Efficiency Heating	SCOP[1]	W/W		4.60/ A++	4.64/ A++	3.60/ A
	Power Consumption	kWh/a		922	1,270	1,400
	Pdesignh (average)	kW		3.1	4.2	4.6
	COP[1]	W/W		4.64	4.38	4.77
Airflow Rate		m^3/min		29.7	33.1	38.0
Sound Power		dB(A)		60	61	61
Sound Pressure	Cooling	dB(A)		45	46	46
	Heating	dB(A)		46	47	48
Fan	Type			Propeller Fan	Propeller Fan	Propeller Fan
	Discharge direction			Front (horizontal)	Front (horizontal)	Front (horizontal)
	Power	W		40	40	125
	Number of Fans	-		1	1	1
Operating Temperature Range	Cooling	°C		-5.0~46.0	-5.0~46.0	-10.0~46.0
	Heating	°C		-15~24	-15~24	-15~24
Electrical Data						
Power Source		Φ, V, Hz		1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type				Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power Consumption	Cooling	kW		0.90	1.22	1.25
	Heating	kW		0.90	1.28	1.32
Operating Current	Cooling	A		4.1	5.6	5.5
	Heating	A		4.1	5.9	6.1
Dimensions						
Net Dimensions (W x H x D)		mm		790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
Net Weight		kg		32.0	33.0	44.5
Refrigerant						
Refrigerant	Type			R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Factory Charging	kg		0.98	1.18	1.55
	Chargeless Piping Length	m		30.0	30.0	30.0
	Charging Ton equivalent CO_2	tCO_2e		0.66	0.80	1.05
	Additional Refrigerant Charging	g/m				
Piping Connections	Liquid Pipe	ø, inch		1/4 x 2	1/4 x 2	1/4 x 3
	Gas Pipe	ø, inch		3/8 x 2	3/8 x 2	3/8 x 2 + 1/2
Piping Length	Total Piping Length	m		30	30	50
	Min/Max	m		3/25	3/25	3/25
Piping Height	Max Height (ID-ID)	m		7.5	7.5	7.5
	Max Height (OD-ID)	m		15	15	15

[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.



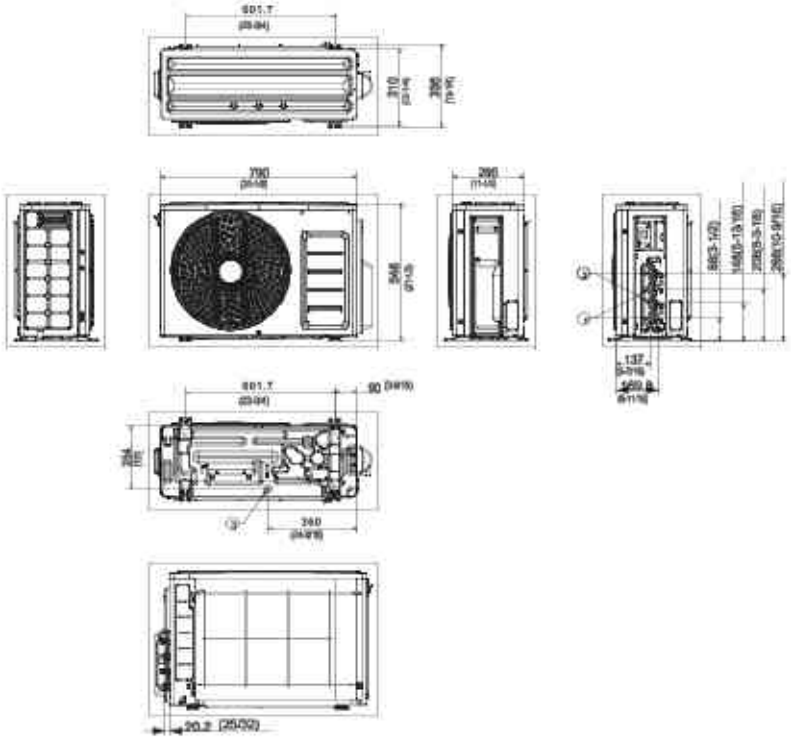


	AJ068TXJ3KG/EU	AJ080TXJ4KG/EU	AJ100TXJ5KG/EU
	3	4	5
	6.8	8.0	10.0
	8.0	9.3	12.0
	6.02	7.00	9.03
	5.14	5.97	7.70
	4.25	4.94	6.38
	7.75/ A++	7.75/ A++	8.00/ A++
	293	330	387
	6.5	7.3	8.8
	3.78	4.06	3.64
	4.32/ A+	4.10/ A+	4.32/ A+
	1,833	2,009	2,564
	5.7	5.9	7.9
	4.42	4.37	4.26
	47.5	47.5	75.0
	64	64	70
	48	48	54
	50	50	56
	Propeller Fan	Propeller Fan	Propeller Fan
	Front (horizontal)	Front (horizontal)	Front (horizontal)
	125	125	125
	1	1	1
	-10.0~46.0	-10.0~46.0	-10.0~46.0
	-15~24	-15~24	-15~24
	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	1,80	1.97	2.75
	1.81	2.13	2.82
	8.1	8.9	12.2
	8.2	9.5	12.8
	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330
	57.5	57.5	76.5
		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	2.00	2.00	2.70
	30.0	30.0	30.0
	1.35	1.35	1.82
	10	20	10
	1/4 x 3	1/4 x 4	1/4 x 5
	3/8 + 1/2 x 2	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 3
	50	70	75
	3/25	3/25	3/25
	7.5	7.5	7.5
	15	15	15

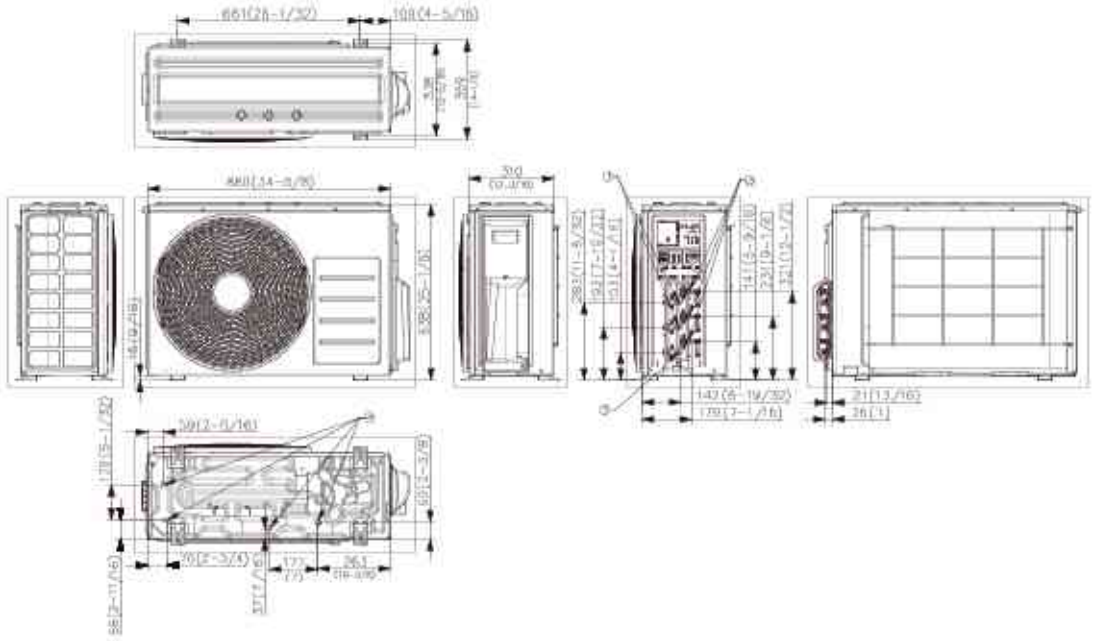
Dimensional drawings

Outdoor units

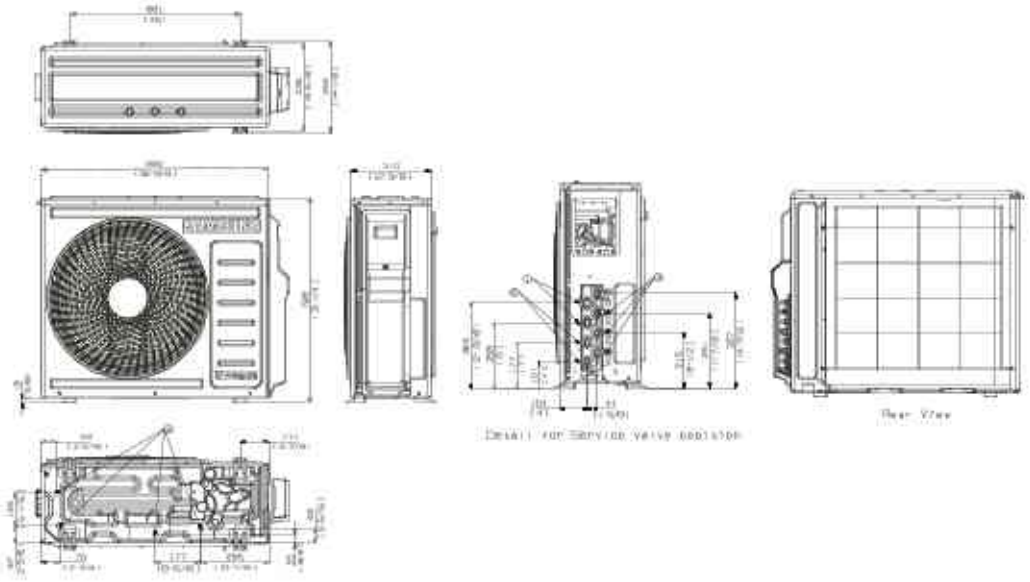
AJ040/50TXJ2KG/EU Units: mm [inches]



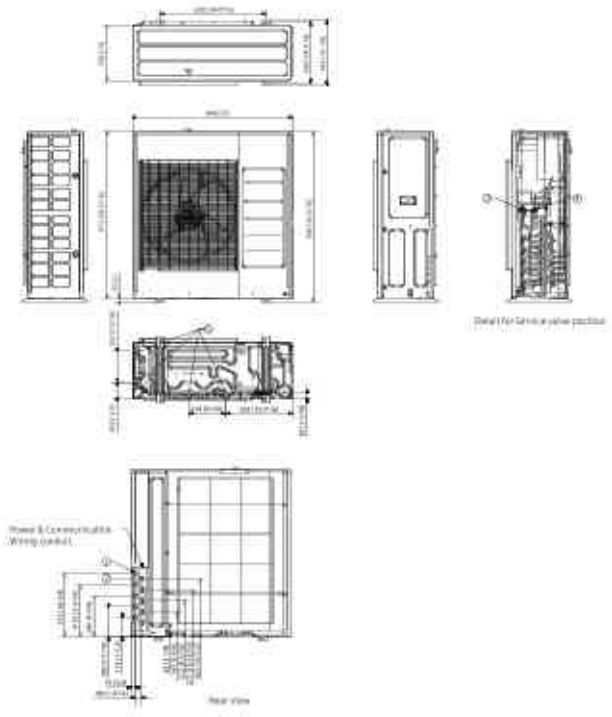
AJ052TXJ3KG/EU Units: mm [inches]



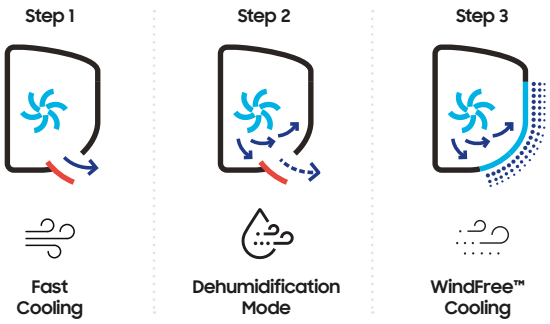
AJ068TXJ3KG/EU, AJ080TXJ4KG/EU Units: mm [inches]

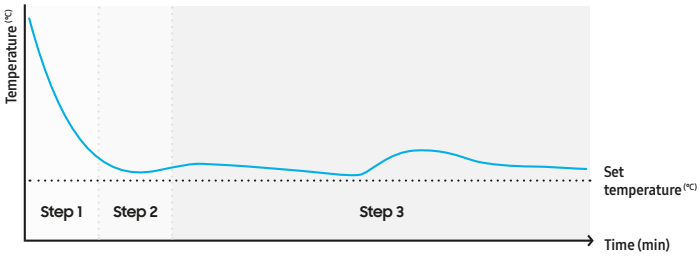


AJ100TXJ5KG/EU Units: mm [inches]



WindFree™ Wall-Mounted





WindFree™ Cooling mode

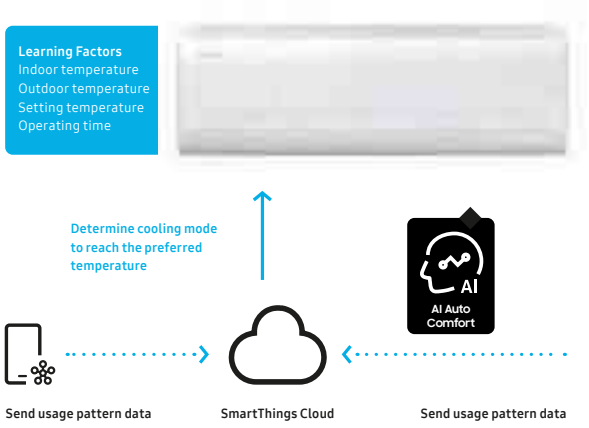
WindFree™ Cooling mode keeps the room comfortably cool. It cools gently and quietly, dispersing air through 23,000 micro-holes so that people never have to deal with the unpleasant feeling of a cold draft on their skin. This results in a "Still Air" environment[1] with a very low air speed and limited noise[2]. The advanced airflow structure of this mode also means that it cools a wider and larger area more evenly.

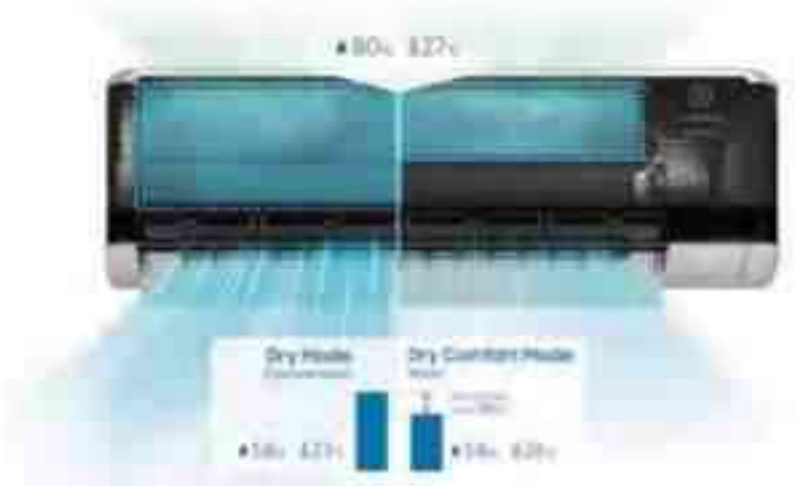
[1] ASHRAE (the American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as air currents moving at speeds below 0.15 m/s, with no cold drafts.
[2] Tested on the AR12TXCAAWKNEU model in an anechoic environment. WindFree™ mode generates 23 dB(A) of noise, compared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

AI Auto Comfort

AI Auto Comfort introduces residents to the experience of intelligent climate control[1]. To make life simpler and more efficient it automatically optimises the various modes by analysing room conditions and usage patterns[2]. 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.



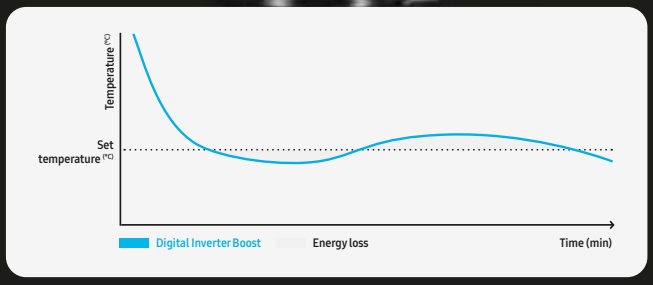


Dry Comfort[1]

This feature helps to reduce the humidity indoors without creating very cold air that causes discomfort. This new feature can finely adjust the compressor frequency and refrigerant amount, to assist with energy monitoring and comfort. Mainly effective when there is high indoor humidity and you want to avoid the cold draft but still humidify the indoor air, often found in southern Europe close to the ocean. By fi ne adjustment of the compressor and refrigerant amount, we can dehumidify with only a part of the evaporator, which leads to lower energy consumption and maintains a comfortable temperature[2].

[1] Dry comfort is available in all countries where the WindFree™ units are installed. However, the benefi t of this feature adds more value in humid and tropical climates.
[2] Based on Samsung's internal test, a saving of 30% at 25 degrees Celsius with 60% humidity is achieved. Dehumidification time may increase. Results may vary depending on the actual usage conditions.





AI Energy Mode of High-Efficiency Twin Rotary Compressor

The compressor uses AI[1] to analyse consumer usage patterns along with the indoor/outdoor temperature and humidity to operate in a more precise manner. AI Energy mode will endeavor to reduce energy usage by sacrificing indoor comfort with a maximum temperature difference of 2°C from set point.

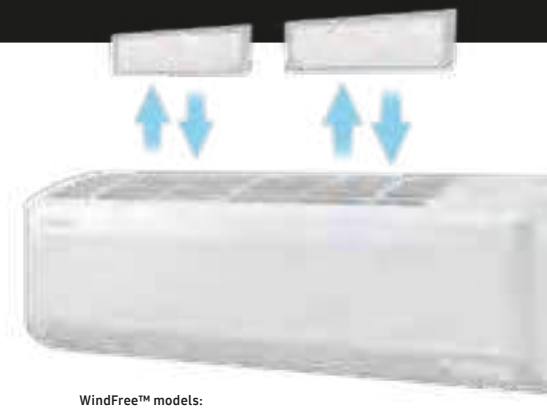
AI energy mode[1] learns patterns and adjusts temperatures in advance to reduce unnecessary usage.

1 AI Energy mode can only operate if AI comfort is on. A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.

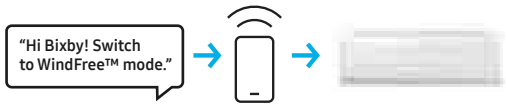
Tri-Care Filter

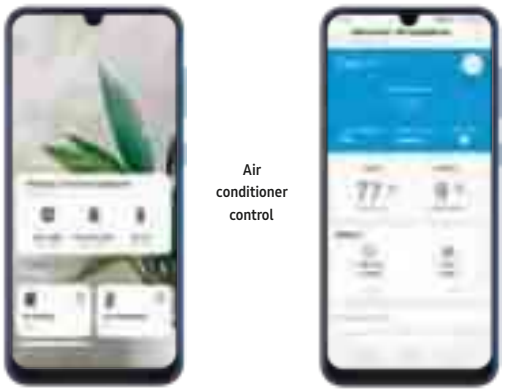
The Tri-Care Filter[1] keeps the air cleaner and sustains the performance of the Heat Exchanger. Its three layers include a high-density filter that extracts large household dust particles, fibres and animal hair. It also has a filter with Zeolite coating that captures fine dust, and helps to reduce certain types of viruses, bacteria and allergens in the air[2,3].

1 Only applicable for WindFree™ Elite S2, WindFree™ Avant S2, and WindFree™ Avant Black
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).
3 Verified by Intertek and Fiti testing samples of Samsung AR9500T in a continuous airflow condition. Testing standard is KS K 0693:2016, using bacterias staphylococcus aureus ATCC 6538 and klebsiella pneumoniae ATCC 4352.

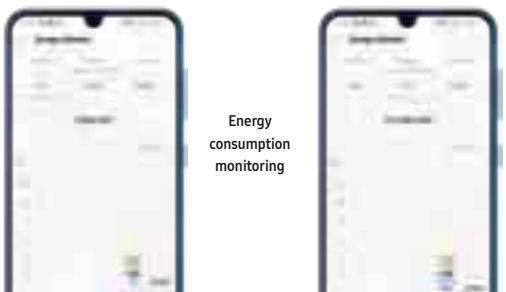


WindFree™ models: filter is located under Easy Filter Plus





Air conditioner control



Energy consumption monitoring

Smart Control

Control the temperature at home, anytime and anywhere. The SmartThings App[1] 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 Samsung's voice interface assistant[1], a user can simply tell the device what they want[2], and the device carries out their wishes. It even analyses the environment, preferred mode and temperature and suggests the best settings for inside the home[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 Bixby is Samsung's voice interface assistant. The voice control is supported by 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.

SmartThings | Bixby | works with Hey Google

Not all features are available for all models.
For more product features, refer to the following pages: WindFree™ Wall Mounted: pages 38-47

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Specifications

WindFree™ Elite S2 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.
- Direct drive fan powered by a BLDC motor.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller.
- Twin Rotary Compressor with Digital Inverter Boost technology.
- Triple Protector Plus to protect compressor, fan and controller from power surges.

		Indoor Unit	AR70F07CAAWNEU	AR70F09CAAWNEU	AR70F12CAAWNEU
Capacity					
Capacity	Cooling	kW	2.0	2.5	3.5
	Heating @ +7 °C	kW	2.2	3.2	4.0
Performance					
Airflow Rate		m³/min	10.7	11.1	12.1
Sound Power	Cooling	dB(A)	56	56	58
Sound Pressure	H/L	dB(A)	37/19	39/16	40/16
Electrical Data					
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	40	40	40
	Heating	W	40	40	40
Current Input	Cooling	A	0.4	0.4	0.4
	Heating	A	0.4	0.4	0.4
Dimensions					
Net Dimensions (W x H x D)		mm	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215
Net Weight		kg	10.5	10.5	10.5
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	88 Display	●	●	●
	Display On/Off		●	●	●
	Beep On/Off		●	●	●
	Auto Changeover		●	●	●
	Auto Restart		●	●	●

Controls and Accessories






Wireless SolarCell Remote Controller (included)	Advanced Wired Controller[1]	Simple Type Controller[1]	Touch Controller[1]
	MWR-WG01JN/MWR-WG01KN	MWR-SH00N	MWR-SH11N



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

Specifications

WindFree™ Avant S2 & Avant Black

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.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller





		Indoor Unit Avant Black	AR70F07C1ABNEU	AR70F09C1ABNEU	AR70F12C1ABNEU	
		Indoor Unit Avant S2	AR70F07C1AWNEU	AR70F09C1AWNEU	AR70F12C1AWNEU	AR70F18C1AWNEU
Capacity						
Capacity	Cooling	kW	2.0	2.5	3.5	5.0
	Heating @ +7 °C	kW	2.2	3.2	4.0	6.0
Performance						
Airflow Rate		m^3/min	10.5	11.1	12.1	15.7
Sound Power	Cooling	dB(A)	56	57	57	58
Sound Pressure	H/L	dB(A)	37/19	38/19	40/19	41/25
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	40	40	40	40
	Heating	W	40	40	40	40
Current Input	Cooling	A	0.4	0.4	0.4	0.4
	Heating	A	0.4	0.4	0.4	7.8
Dimensions						
Net Dimensions (W x H x D)		mm	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	9,9	9,9	9,9	12,3
Refrigerant						
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16
Functions						
Airflow	WindFree™ Cooling		●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto
	Auto Fan Speed		●	●	●	●
Air Purification	Tri-Care Filter		●	●	●	●
	Easy Filter Plus		●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)		-	-	-	-
	AI Auto Comfort with Wi-Fi		●	●	●	●
	Auto Mode (without Wi-Fi)		-	-	-	-
	Fast Cooling		●	●	●	●
	Good Sleep		●	●	●	●
	Eco		●	●	●	●
	Dehumidification		●	●	●	●
	Fan		●	●	●	●
	Quiet		●	●	●	●
Other Functions	Samsung SmartThings		●	●	●	●
	MDS (Motion Detect Sensor)		-	-	-	-
	Indoor Temperature Display	88 Display	●	●	●	●
	Display On/Off		●	●	●	●
	Beep On/Off		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●

	AR70F24C1AWNEU
	6.5
	7.4
	17.6
	62
	45/26
	1Φ, 220~240 V, 50 Hz
	50
	50
	0.5
	0.5
	1,055 x 299 x 215
	12,3
	1/4
	5/8
	ID 16
	●
	Auto
	Auto
	●
	●
	●
	●
	-
	●
	-
	●
	●
	●
	●
	●
	●
	●
	-
	●
	●
	●
	●
	●

Controls and Accessories









Wireless Remote Controller SolarCell (Included)	Advanced Wired Controller[1]	Simple Type Controller[1]	Touch Controller[1]
	MWR-WG01JN/MWR-WG01KN	MWR-SH00N	MWR-SH11N



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Specifications

WindFree™ Comfort S2 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.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller.

		Indoor Unit	AR60F07C1AWNEU	AR60F09C1AWNEU	AR60F12C1AWNEU	AR60F18C1AWNEU
Capacity						
Capacity	Cooling	kW	2.0	2.5	3.5	5.0
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0
Performance						
Airflow Rate		m³/min	9,9	10,3	10,7	16,6
Sound Power	Cooling	dB(A)	54	56	58	58
Sound Pressure	H/L	dB(A)	36/19	38 / 16	40 /16	41 / 25
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	30	30	30	40
	Heating	W	30	30	30	40
Current Input	Cooling	A	0.3	0.3	0.3	0.4
	Heating	A	0.3	0.3	0.3	0.4
Dimensions						
Net Dimensions (W x H x D)		mm	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	9,9	9,9	9,9	12,3
Refrigerant						
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16
Functions						
Airflow	WindFree™ Cooling		●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto
	Auto Fan Speed		●	●	●	●
Air Purification	Tri-Care Filter		-	-	-	-
	Easy Filter Plus		●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)		-	-	-	-
	AI Auto Comfort with Wi-Fi		●	●	●	●
	Auto Mode (without Wi-Fi)		-	-	-	-
	Fast Cooling		●	●	●	●
	Good Sleep		●	●	●	●
	Eco		●	●	●	●
	Dehumidification		●	●	●	●
	Fan		●	●	●	●
	Quiet		●	●	●	●
Other Functions	Samsung SmartThings		●	●	●	●
	MDS (Motion Detect Sensor)		-	-	-	-
	Indoor Temperature Display	88 Display	●	●	●	●
	Display On/Off		●	●	●	●
	Beep On/Off		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●

	AR60F24C1AWNEU
	6.5
	7.4
	18.6
	62
	45/27
	1Φ, 220~240 V, 50 Hz
	50
	50
	0.5
	0.5
	1,055 x 299 x 215
	12,3
	1/4
	5/8
	ID 16
	●
	Auto
	Auto
	●
	-
	●
	●
	-
	●
	-
	●
	●
	●
	●
	●
	●
	●
	-
	●
	●
	●
	●
	●

Controls and Accessories









Wireless Remote Controller SolarCell (Included)	Advanced Wired Controller[1]	Simple Type Controller[1]	Touch Controller[1]
	MWR-WG01JN/MWR-WG01KN	MWR-SH00N	MWR-SH11N

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

Specifications

Cebu S2 R32

- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller.
- Triple Protector Plus to protect compressor, fan and controller from power surges.

		Indoor Unit	AR50F07C1AHNEU	AR50F09C1AHNEU	AR50F12C1AHNEU	AR50F18C1AHNEU
Capacity						
Capacity	Cooling	kW	2.0	2,5	3,5	5.0
	Heating @ +7 °C	kW	2,2	3,2	3,5	6.0
Performance						
Airflow Rate		m³/min	10	10.5	10.9	15.7
Sound Power	Cooling	dB(A)	56	56	58	58
Sound Pressure	H/L	dB(A)	36/19	38 / 16	40 /16	41 / 25
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	30	30	30	40
	Heating	W	30	30	30	40
Current Input	Cooling	A	0.3	0.3	0.3	0.4
	Heating	A	0.3	0.3	0.3	0.4
Dimensions						
Net Dimensions (W x H x D)		mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	9,1	9,1	9,1	12,5
Refrigerant						
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16
Functions						
Airflow	WindFree™ Cooling					
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto
	Auto Fan Speed		●	●	●	●
Air Purification	Tri-Care Filter		-	-	-	-
	Easy Filter Plus		●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)		-	-	-	-
	AI Auto Comfort with Wi-Fi		●	●	●	●
	Auto Mode (without Wi-Fi)		-	-	-	-
	Fast Cooling		●	●	●	●
	Good Sleep		●	●	●	●
	Eco		●	●	●	●
	Dehumidification		●	●	●	●
	Fan		●	●	●	●
	Quiet		●	●	●	●
Other Functions	Samsung SmartThings		●	●	●	●
	MDS (Motion Detect Sensor)		-	-	-	-
	Indoor Temperature Display	88 Display	●	●	●	●
	Display On/Off		●	●	●	●
	Beep On/Off		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●

	AR50F24C1AHNEU
	6.5
	7.4
	17.7
	62
	45 / 27
	1Φ, 220~240 V, 50 Hz
	50
	50
	0.5
	0.5
	1,055 x 299 x 215
	12,5
	1/4
	5/8
	ID 16
	Auto
	Auto
	●
	-
	●
	●
	-
	●
	-
	●
	●
	●
	●
	●
	●
	●
	-
	●
	●
	●
	●
	●

Controls and Accessories









Wireless Remote Controller SolarCell (Included)	Advanced Wired Controller[1]	Simple Type Controller[1]	Touch Controller[1]
	MWR-WG01JN/MWR-WG01KN	MWR-SH00N	MWR-SH11N

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

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Specifications

Luzon S2 R32

- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller.
- Triple Protector Plus to protect compressor, fan and controller from power surges.

		Indoor Unit	AR50F07C1BHNEU	AR50F09C1BHNEU	AR50F12C1BHNEU	AR50F18C1BHNEU
Capacity						
Capacity	Cooling	kW	2.0	2.5	3.5	5.0
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0
Performance						
Airflow Rate		m³/min	10	10.5	10.9	15.7
Sound Power	Cooling	dB(A)	56	56	58	58
Sound Pressure	H/L	dB(A)	36/19	38 / 16	40 /16	41 / 25
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	30	30	30	40
	Heating	W	30	30	30	40
Current Input	Cooling	A	0.3	0.3	0.3	0.4
	Heating	A	0.3	0.3	0.3	0.4
Dimensions						
Net Dimensions (W x H x D)		mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	9,1	9,1	9,1	12,5
Refrigerant						
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16
Functions						
Airflow	WindFree™ Cooling					
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto
	Auto Fan Speed		●	●	●	●
Air Purification	Tri-Care Filter		-	-	-	-
	Easy Filter Plus		●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)		-	-	-	-
	AI Auto Comfort with Wi-Fi		●	●	●	●
	Auto Mode (without Wi-Fi)		-	-	-	-
	Fast Cooling		●	●	●	●
	Good Sleep		●	●	●	●
	Eco		●	●	●	●
	Dehumidification		●	●	●	●
	Fan		●	●	●	●
	Quiet		●	●	●	●
Other Functions	Samsung SmartThings		●	●	●	●
	MDS (Motion Detect Sensor)		-	-	-	-
	Indoor Temperature Display	88 Display	●	●	●	●
	Display On/Off		●	●	●	●
	Beep On/Off		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●

Controls and Accessories

	AR50F24C1BHNEU
	6.5
	7.4
	17.7
	62
	45 / 27
	1Φ, 220~240 V, 50 Hz
	50
	50
	0.5
	0.5
	1,055 x 299 x 215
	12,5
	1/4
	5/8
	ID 16
	Auto
	Auto
	●
	-
	●
	●
	-
	●
	-
	●
	●
	●
	●
	●
	●
	●
	-
	●
	●
	●
	●
	●





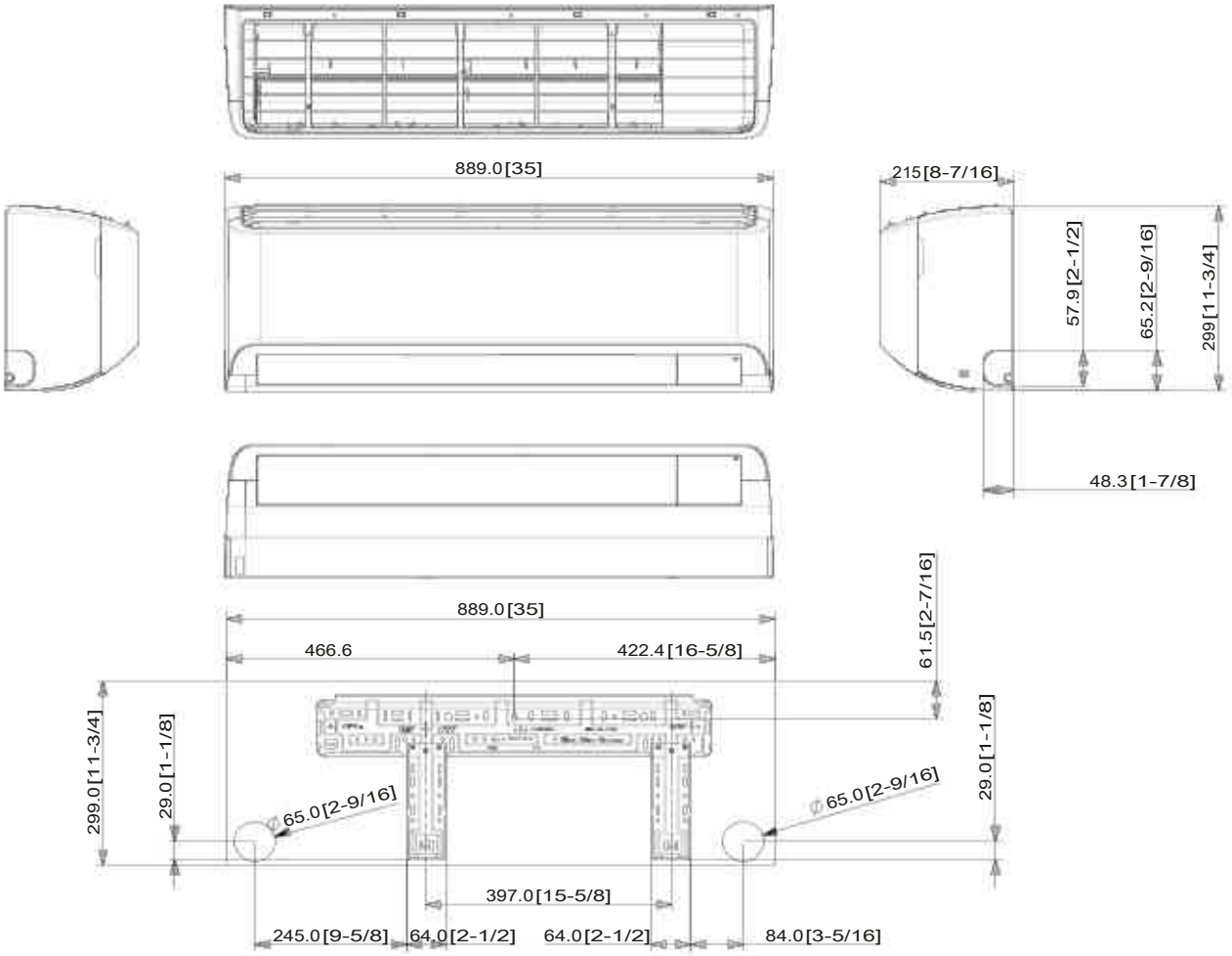

Wireless Remote Controller	Advanced Wired Controller[1]	Simple Type Controller[1]	Touch Controller[1]	Wi-Fi Kit
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N	MIM-H04EN

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

Dimensional drawings

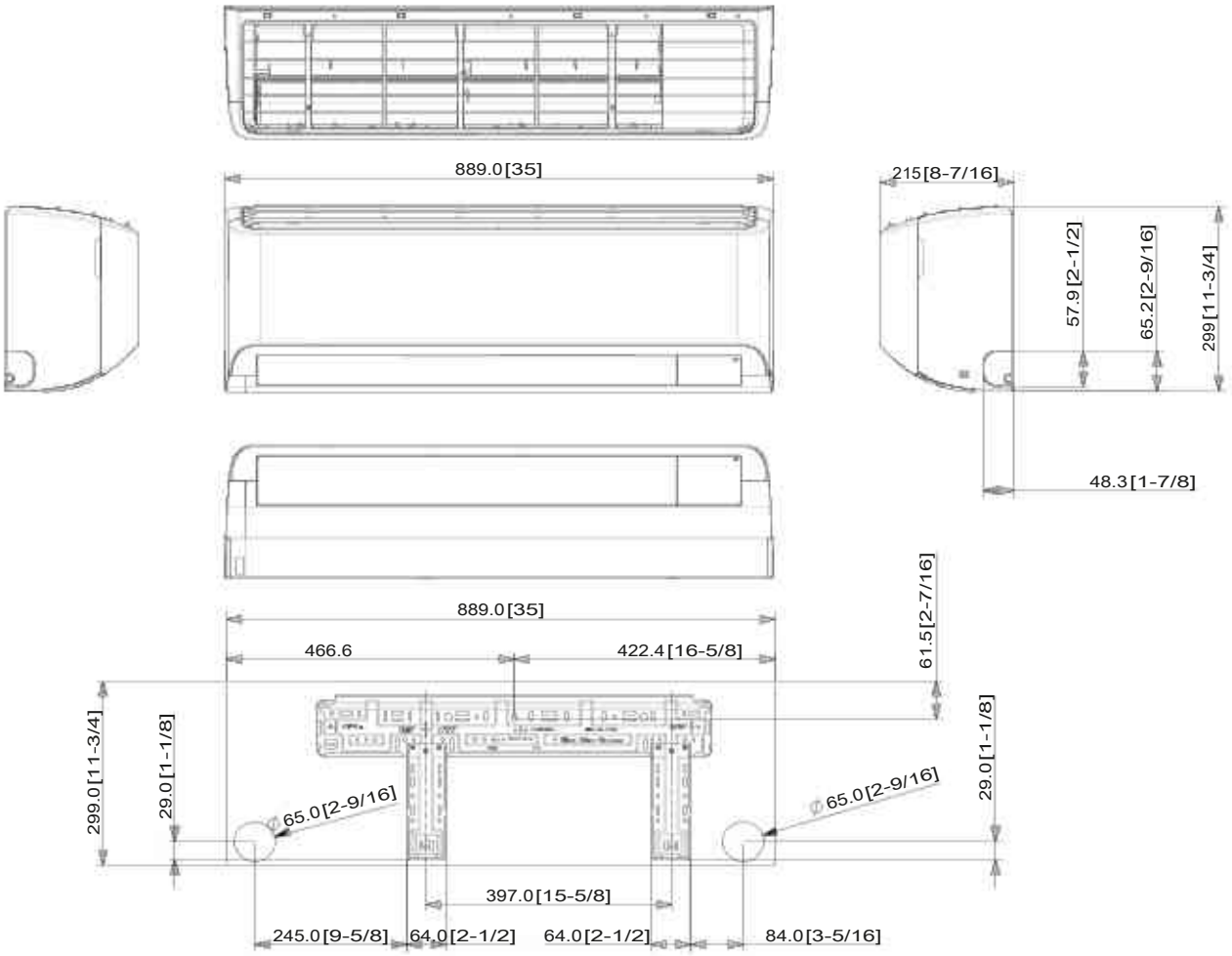
WindFree™ Elite S2

AR70F07/09CAAWNEU | Units: mm [inches]



AR70F12CAAWNEU

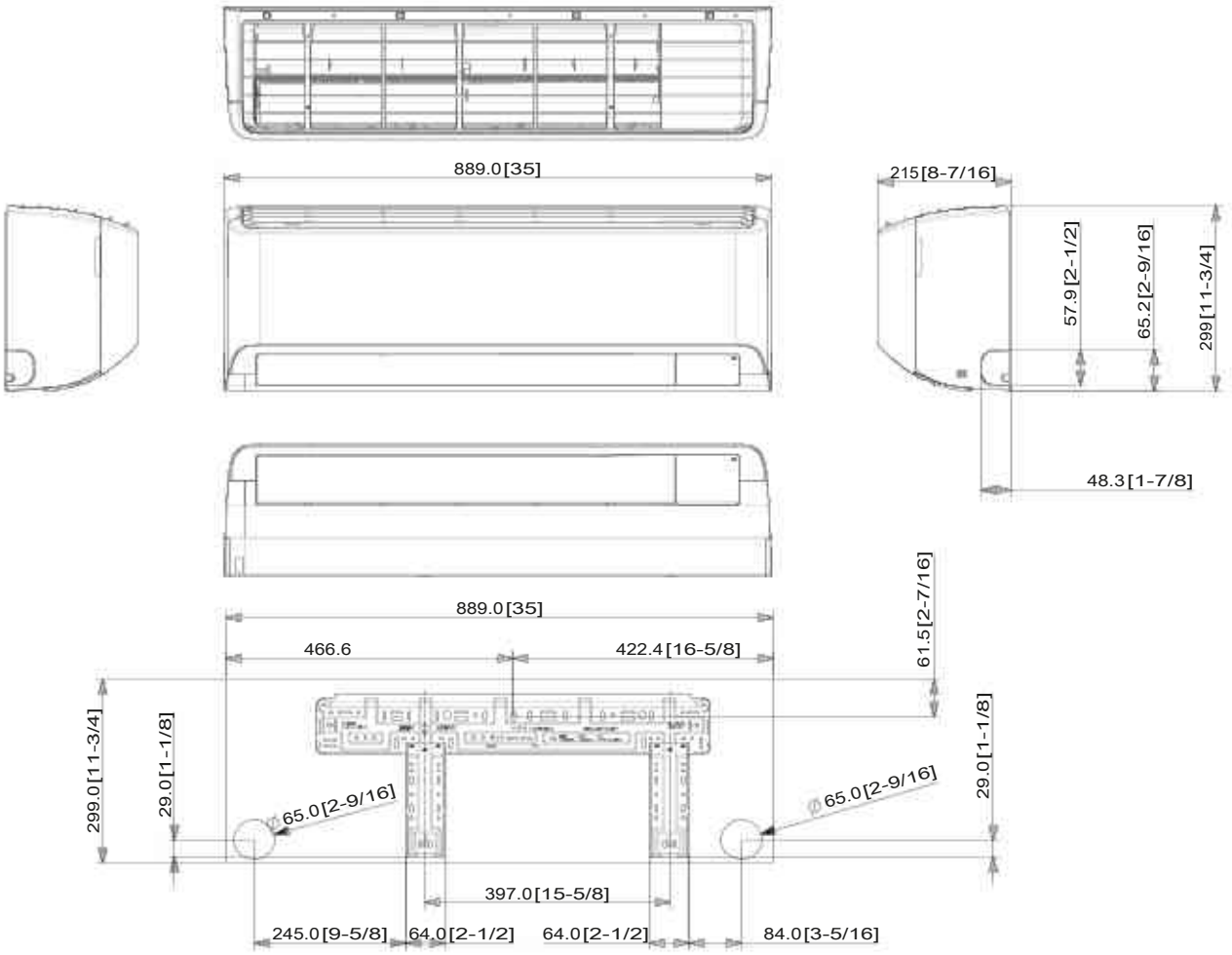
Units: mm [inches]

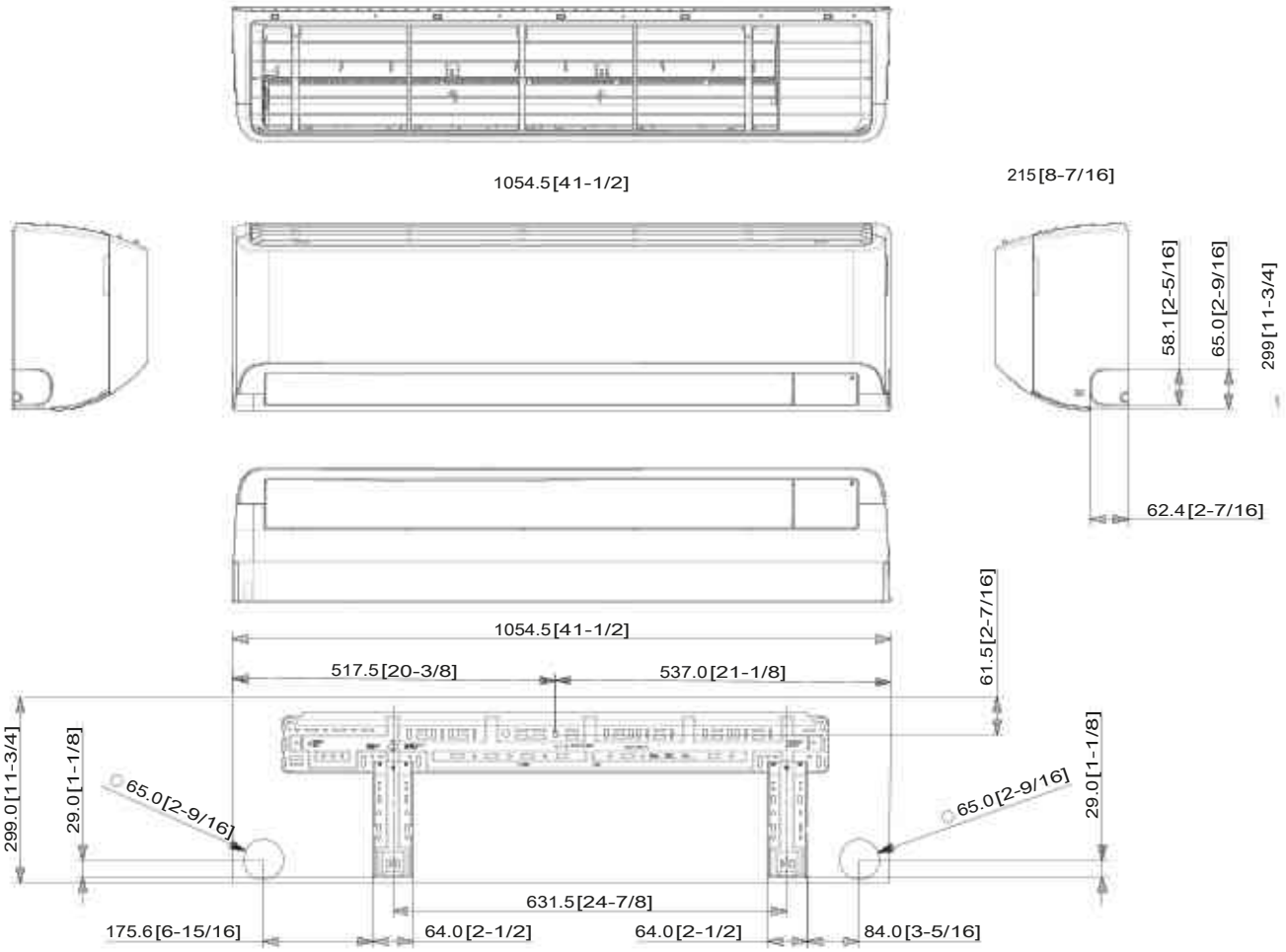


Dimensional drawings

WindFree™ Avant S2 & Avant Black

Avant S2: AR70F07/09/12C1AWNEU - Avant Black: AR70F07/09/12C1ABNEU | Units: mm [inches]

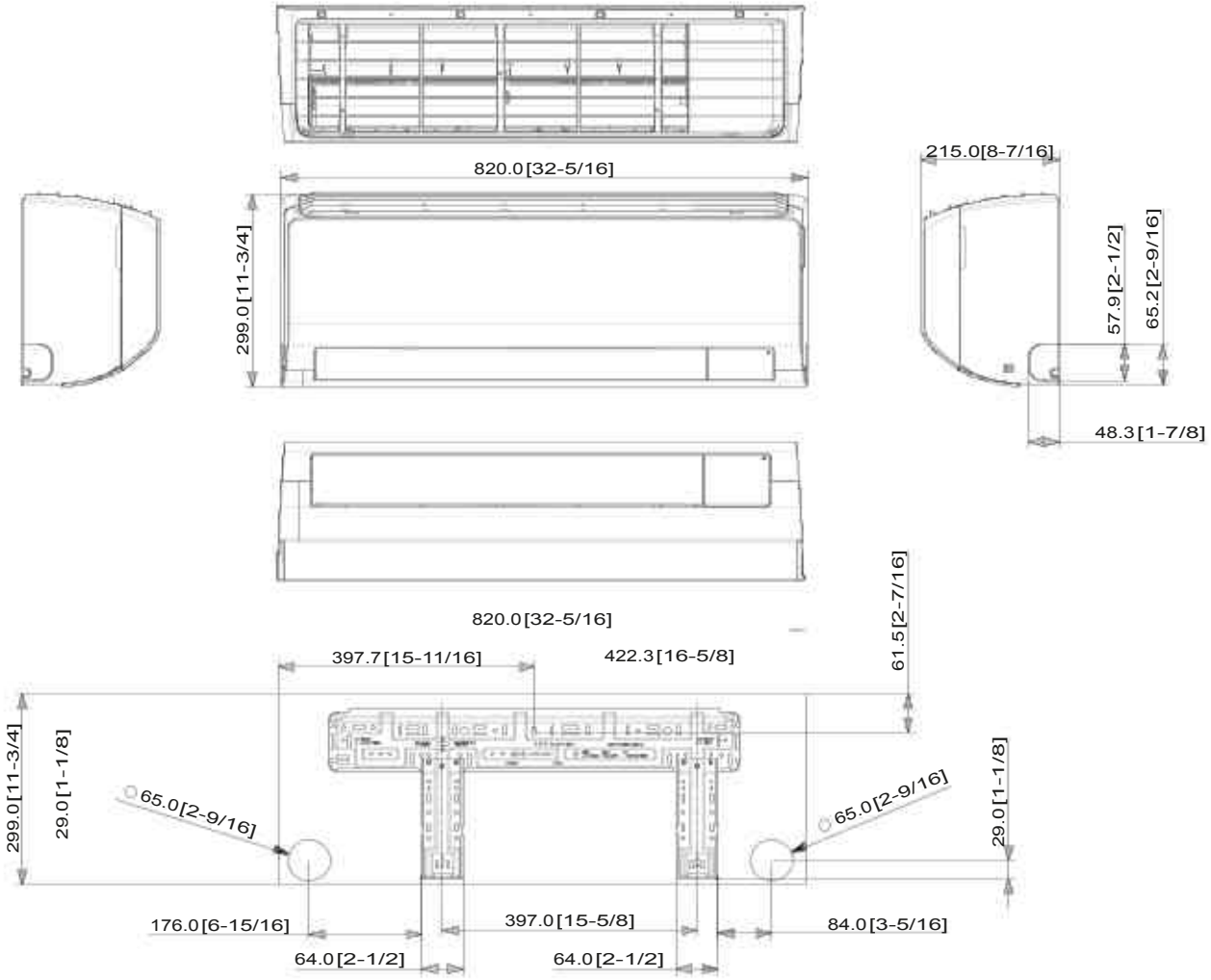


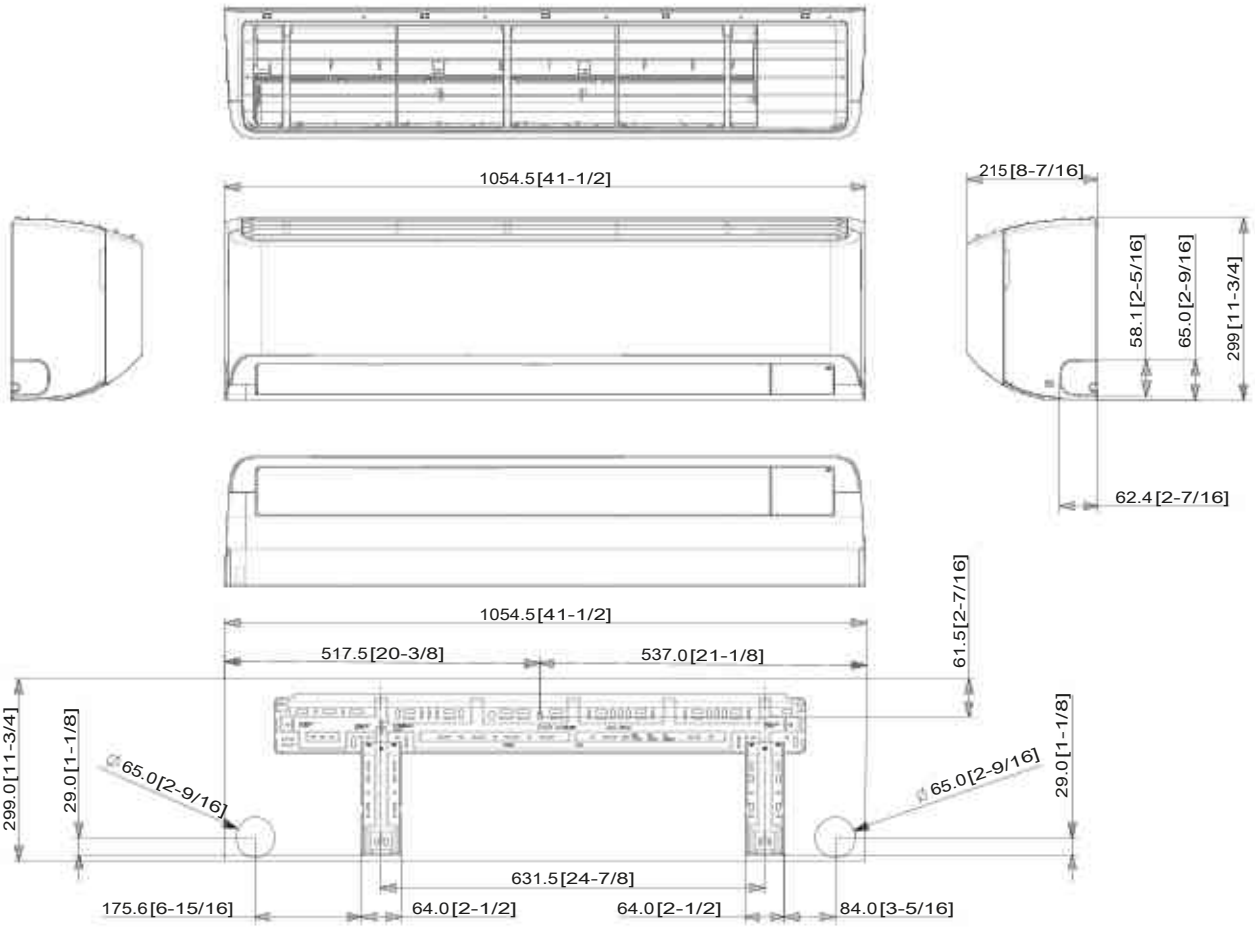

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215[8-7/16]
58.1[2-5/16]
65.0[2-9/16]
299[11-3/4]
62.4[2-7/16]
1054.5[41-1/2]
517.5[20-3/8]
537.0[21-1/8]
61.5[2-7/16]
299.0[11-3/4]
29.0[1-1/8]
65.0[2-9/16]
65.0[2-9/16]
29.0[1-1/8]
631.5[24-7/8]
175.6[6-15/16]
64.0[2-1/2]
64.0[2-1/2]
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Dimensional drawings

WindFree™ Comfort S2

AR60F07/09/12C1AWNEU | Units: mm [inches]

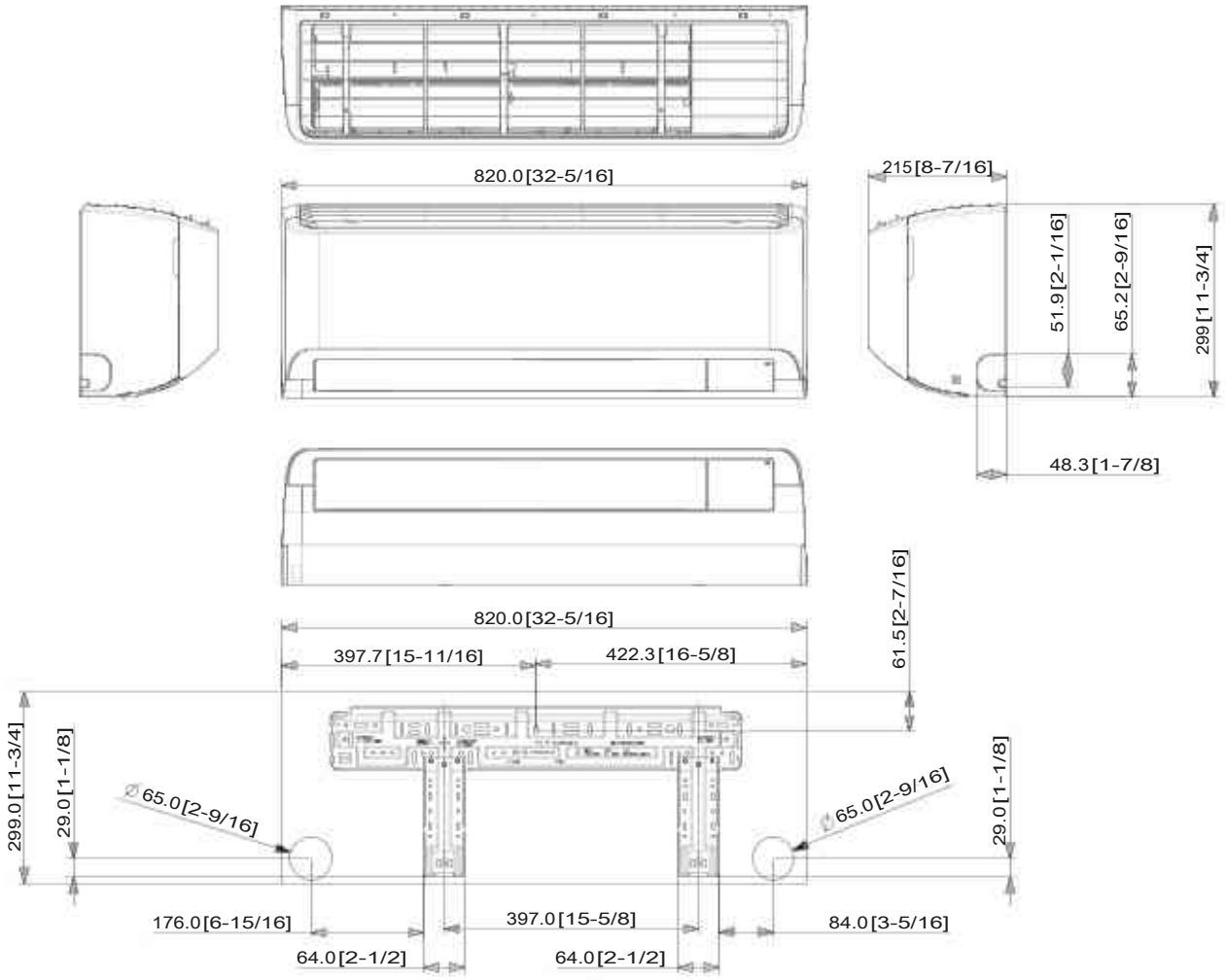


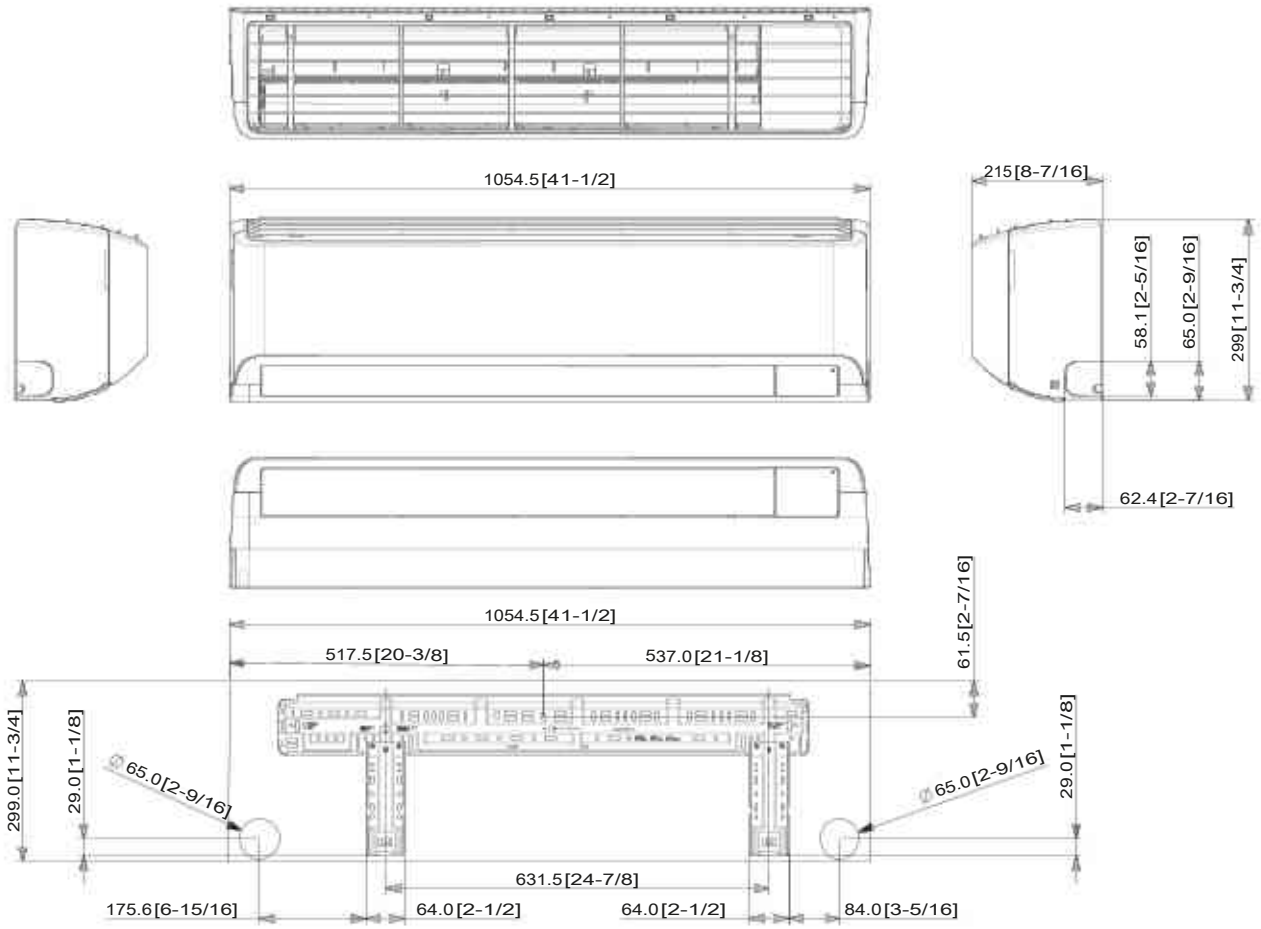

1054.5[41-1/2]
215[8-7/16]
58.1[2-5/16]
65.0[2-9/16]
299[11-3/4]
62.4[2-7/16]
1054.5[41-1/2]
517.5[20-3/8]
537.0[21-1/8]
61.5[2-7/16]
299.0[11-3/4]
29.0[1-1/8]
65.0[2-9/16]
65.0[2-9/16]
29.0[1-1/8]
631.5[24-7/8]
175.6[6-15/16]
64.0[2-1/2]
64.0[2-1/2]
84.0[3-5/16]

Dimensional drawings

Cebu S2

AR50F07/09/12C1AHNEU | Units: mm [inches]

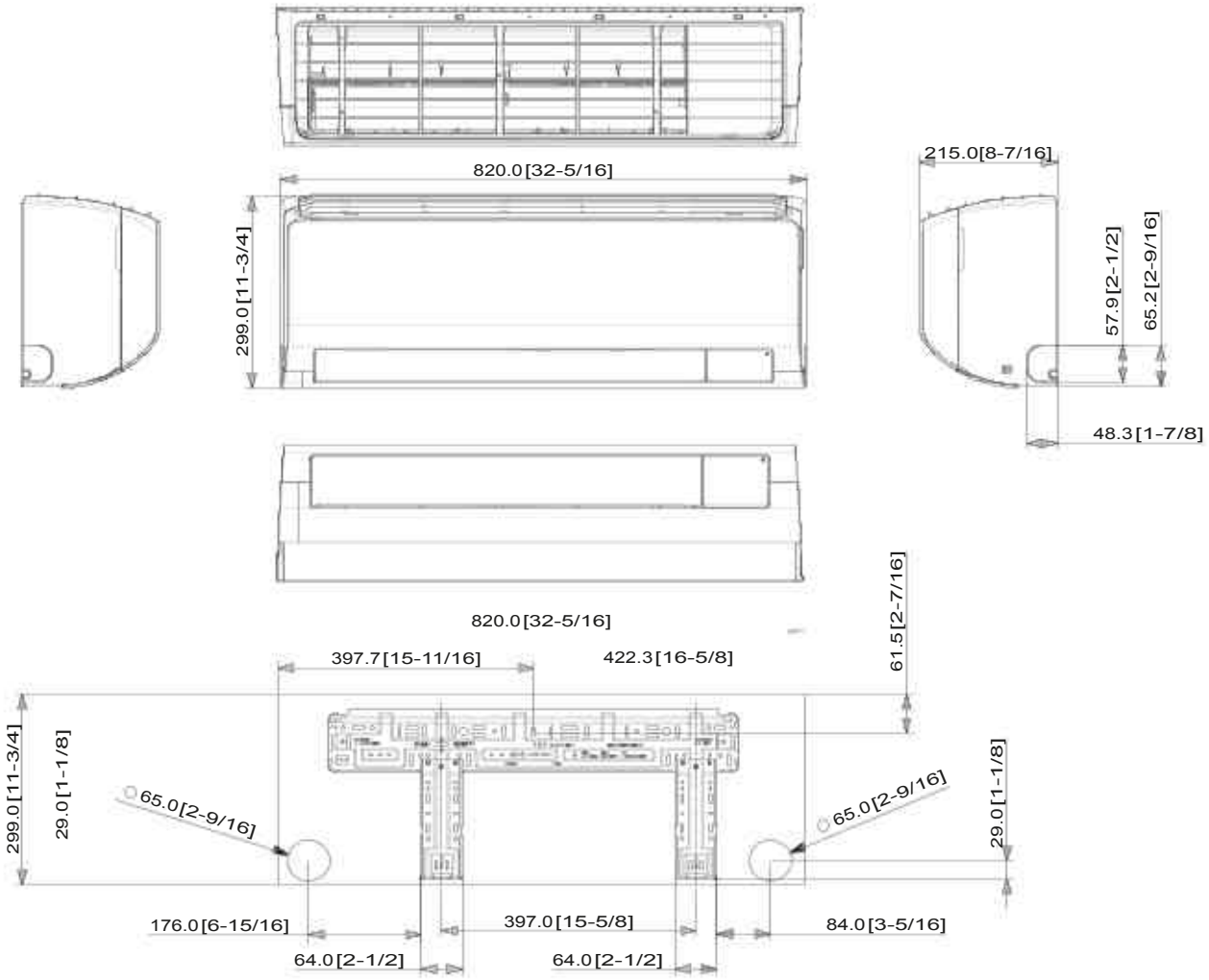


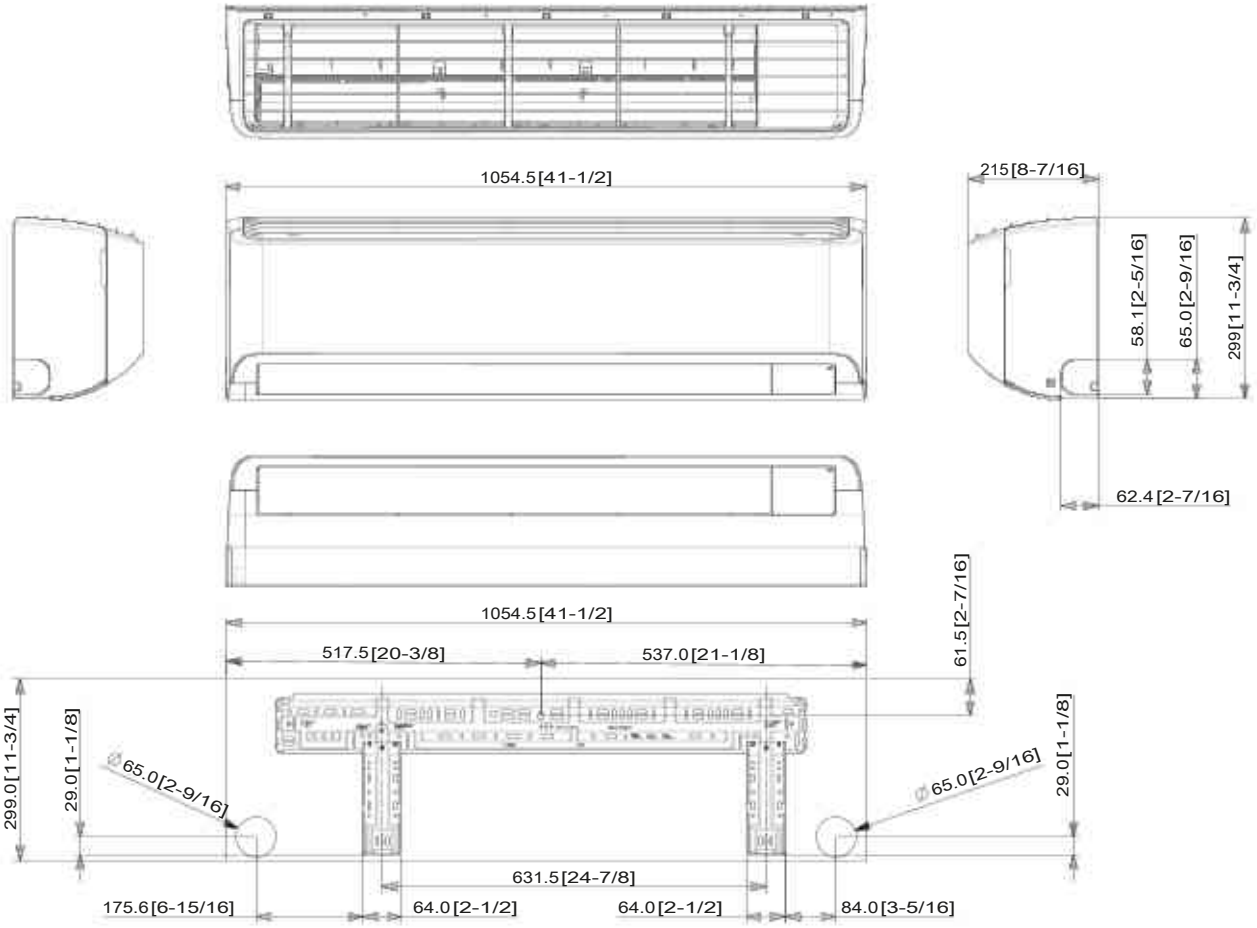

1054.5[41-1/2]
215[8-7/16]
58.1[2-5/16]
65.0[2-9/16]
299[11-3/4]
62.4[2-7/16]
1054.5[41-1/2]
517.5[20-3/8]
537.0[21-1/8]
61.5[2-7/16]
299.0[11-3/4]
29.0[1-1/8]
65.0[2-9/16]
65.0[2-9/16]
29.0[1-1/8]
631.5[24-7/8]
175.6[6-15/16]
64.0[2-1/2]
64.0[2-1/2]
84.0[3-5/16]

Dimensional drawings

Luzon S2

AR50F07/09/12C1BHNEU | Units: mm [inches]




1054.5[41-1/2]
215[8-7/16]
58.1[2-5/16]
65.0[2-9/16]
299[11-3/4]
62.4[2-7/16]
1054.5[41-1/2]
517.5[20-3/8]
537.0[21-1/8]
61.5[2-7/16]
299.0[11-3/4]
29.0[1-1/8]
Ø65.0[2-9/16]
Ø65.0[2-9/16]
29.0[1-1/8]
631.5[24-7/8]
175.6[6-15/16]
64.0[2-1/2]
64.0[2-1/2]
84.0[3-5/16]

WindFree™ 1-Way Cassette

Slim installation

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



[1] 135 mm is the height of the unit until the ceiling tile. 145 mm is the height including the ceiling tile. Up to 3.6 kW (DVM) models measures 135 mm (180 mm including panel).

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



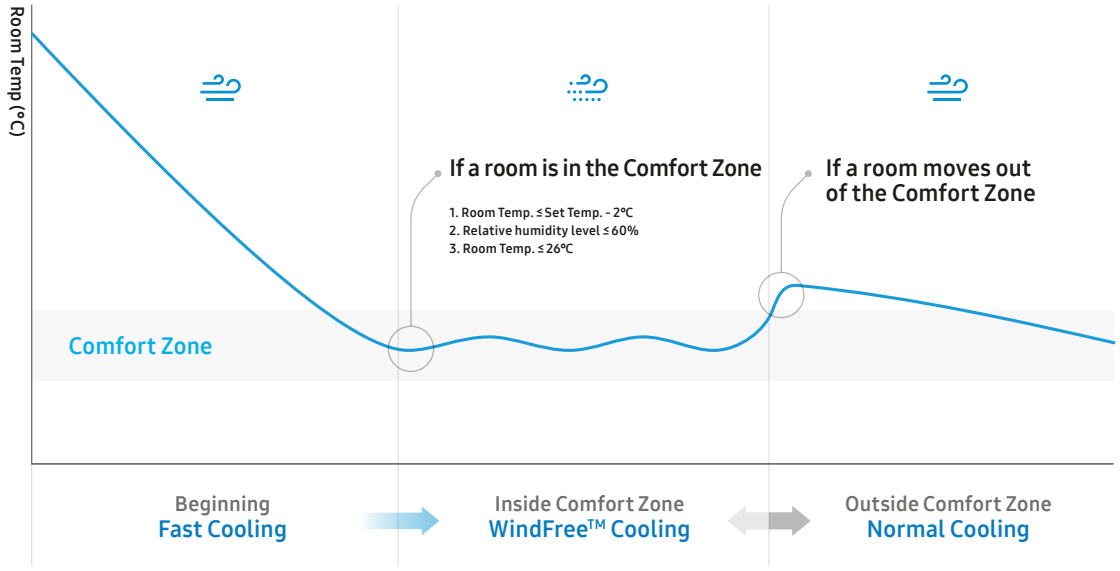
Anyone can clean it with water
Only the filter needs to be cleaned



Wider cooling range

The larger optimised blade is 100 mm[1] 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 humidity[1] 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.



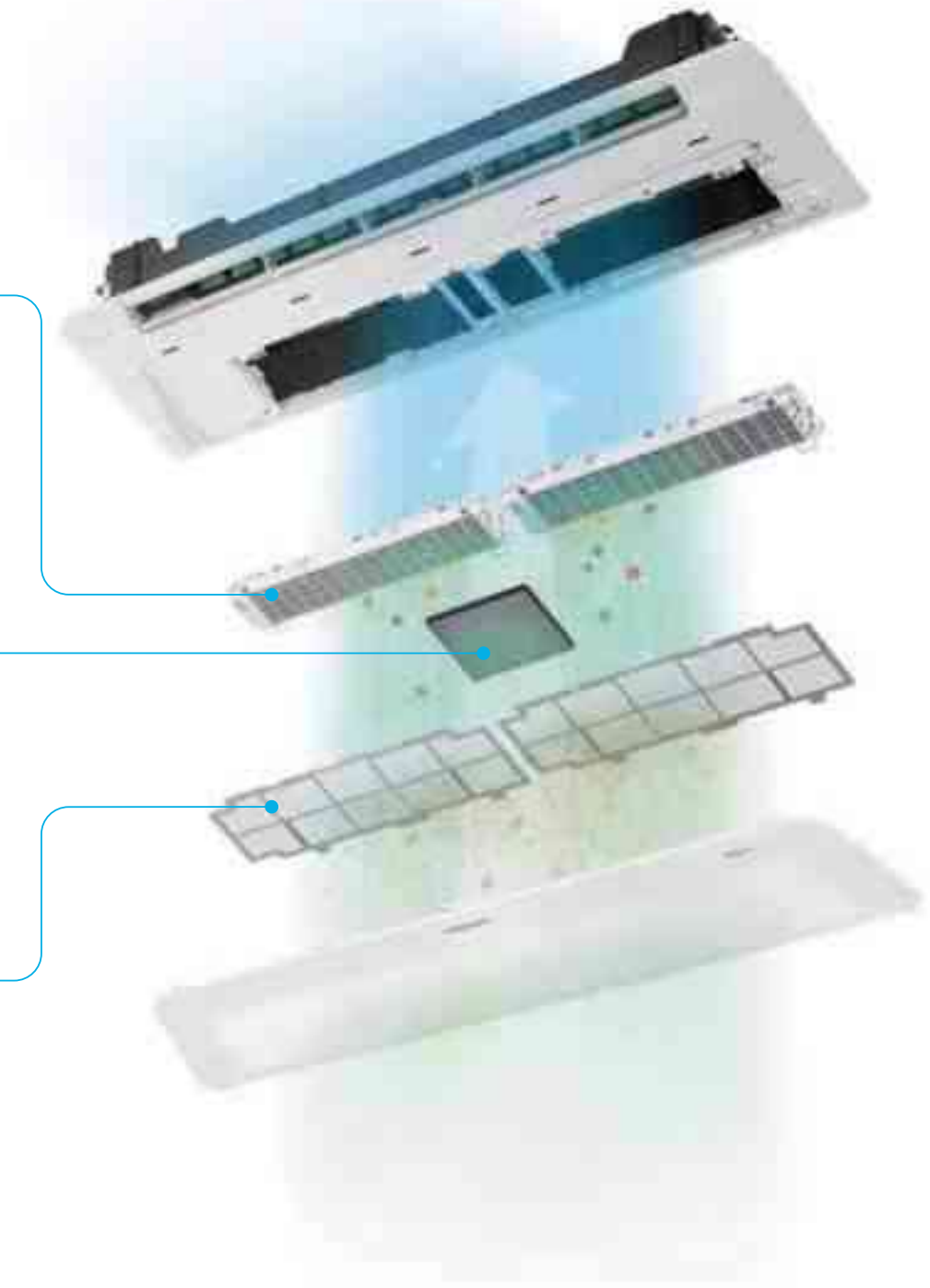
PM1.0 Filter



Deodorization Filter



Pre-Filter



Air Purification Panel

The optional Air Purification Panel of 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 Filter[1] 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 %)

13,000
micro-holes





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.

Not all features are available for all models.

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 mmH_2O).



		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	Cooling	dB(A)	50	55
Sound Pressure	H/M/L	dB(A)	32/29/26	37/33/30
Electrical Data				
Power Source		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
Power Consumption	Cooling	W	45	50
	Heating	W	45	50
Current Input	Cooling	A	0.23	0.25
	Heating	A	0.23	0.25
Dimensions				
Net Dimensions (W x H x D)		mm	970 x 135 x 410	970 x 135 x 410
Net Weight		kg	10.0	10.0
Refrigerant				
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8
Piping Connections	Drain Pipe	ø, mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)
Others				
Panel	Model Code		PC1NWFMAN	PC1NWFMAN
	Net Dimensions (W x H x D)	mm	1,198 x 135 x 500	1,198 x 135 x 500
	Net Weight	kg	4.3	4.3
Accessories	Drain Pump		Included	Included
	Max. Lifting Height/ Displacement	mm / litres/h	750/24	750/24

Controls and Accessories







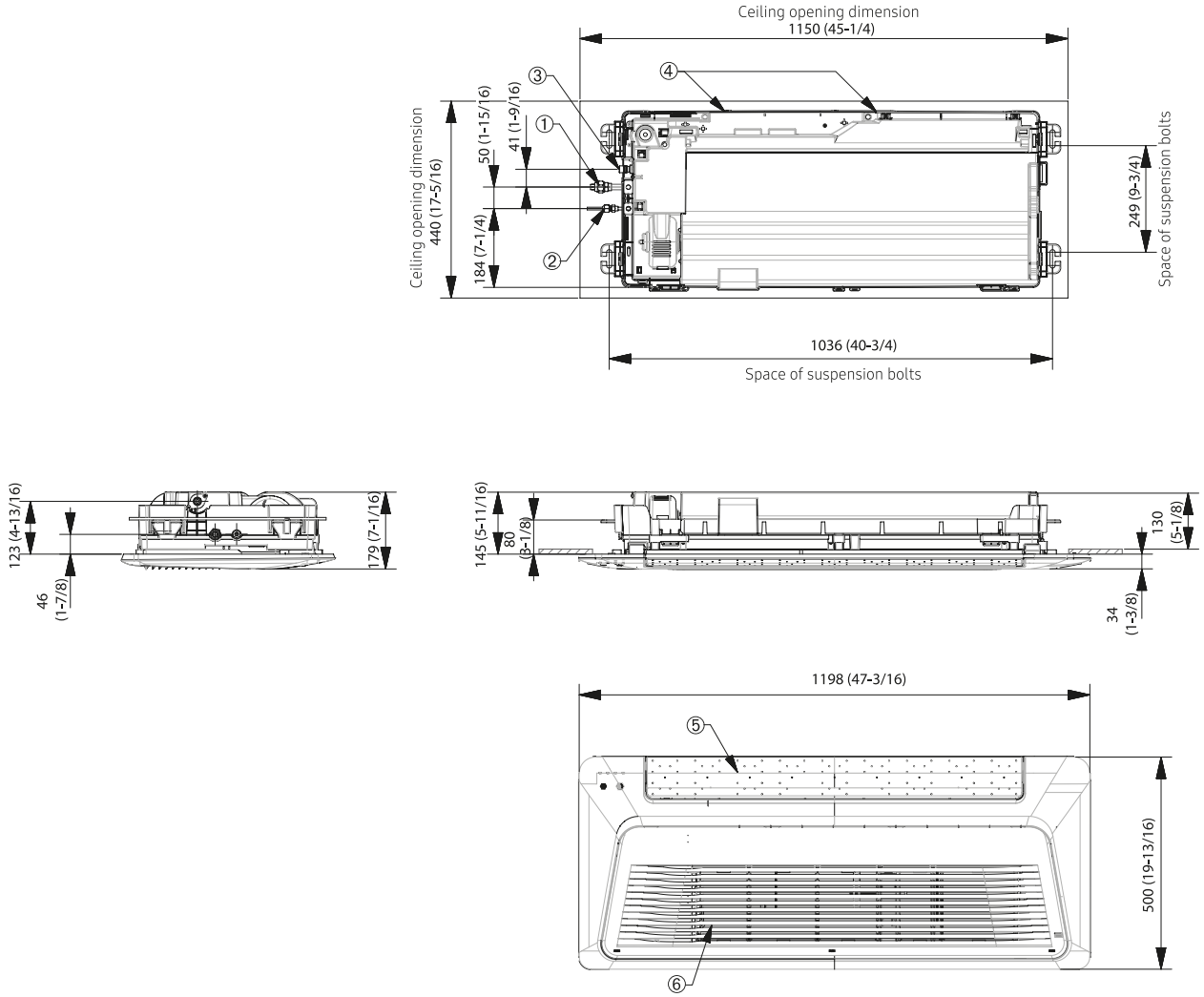



Wireless Remote Controller	Wireless Remote Controller	Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Panel (Required)
AR-CH01E	AR-EH03E	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	PC1NWFMAN

Dimensional drawings

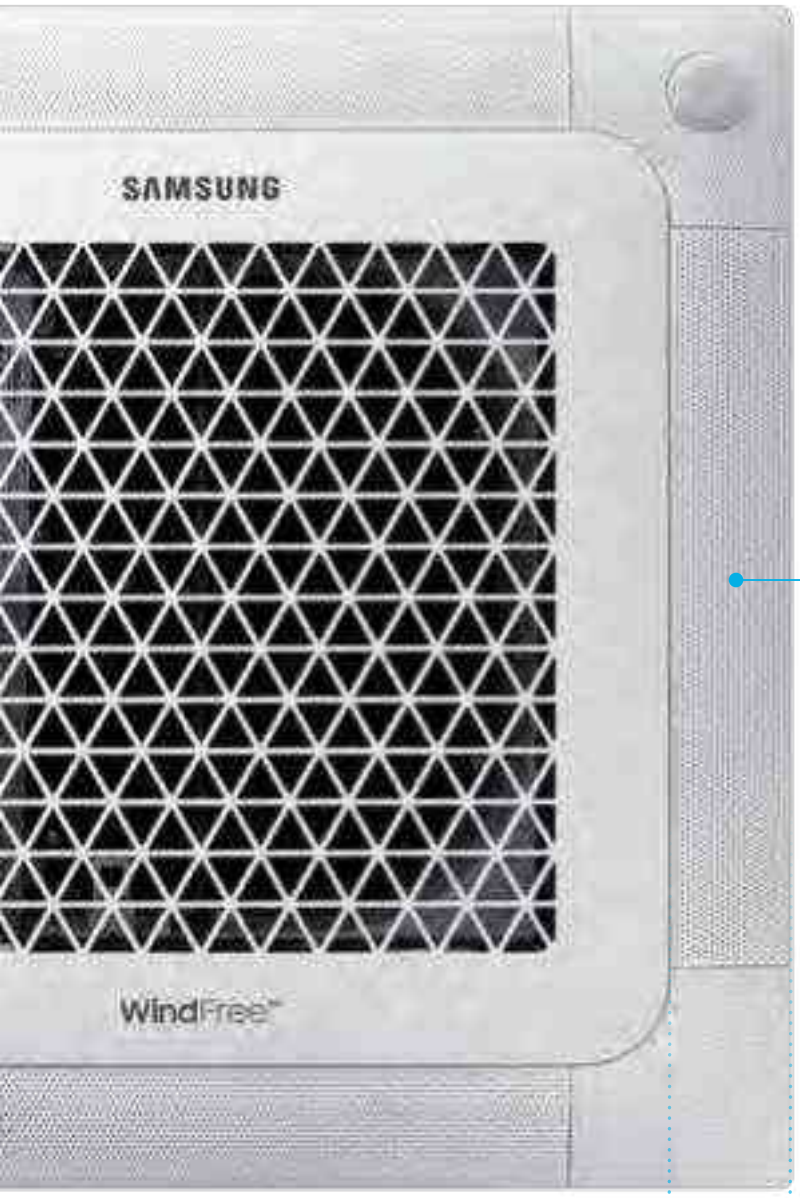
WindFree™ 1-Way Cassette

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	

WindFree™ 4-Way Cassette 600x600



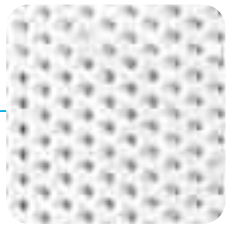


WindFree™ Technology

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.



WindFree™
4-Way 600 x 600 Cassette

9,000 micro-holes

Optimised blades

The larger optimised blades[1] (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 600 x 600 Cassette to a conventional 4-Way Cassette type air conditioner.

Smart Comfort Operation

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.

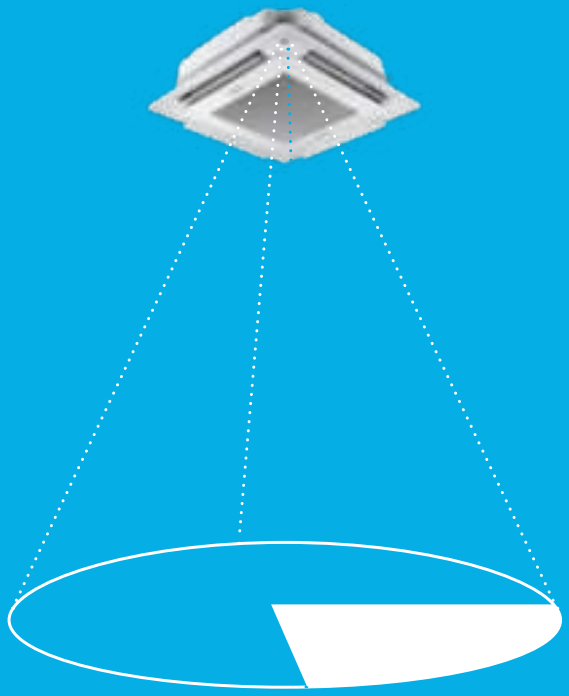


Fast Cooling

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

For more product features, refer to the following pages: WindFree™ 4-Way Cassette: pages 38 - 47

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 mmH_2O).



		Indoor Unit	AJ016TNNDKG/EU	AJ020TNNDKG/EU	AJ026TNNDKG/EU	AJ035TNNDKG/EU	AJ052TNNDKG/EU
Capacity							
	Cooling	kW	1.6	2.0	2.6	3.5	5.2
	Heating @ +7 °C	kW	2.0	2.2	2.9	3.8	5.6
Performance							
Airflow Rate		m^3/min	9.0/8.2/6.9	9.0/8.2/6.9	9.0/8.2/6.9	10.5/9.0/7.4	10.5/9.0/7.4
Sound Power	Cooling	dB(A)	49	49	49	53	55
Sound Pressure	H/M/L	dB(A)	33/29/24	33/29/24	33/29/24	35/31/27	39/36/32
Electrical Data							
Power Source		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
Power Consumption	Cooling	W	19	19	19	22	28
	Heating	W	19	19	19	22	28
Current Input	Cooling	A	0.51	0.51	0.51	0.52	0.53
	Heating	A	0.51	0.51	0.51	0.52	0.53
Dimensions							
Net Dimensions (W x H x D)		mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Net Weight		kg	11.5	11.5	11.5	11.5	11.8
Refrigerant							
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others							
Panel	Model Code		PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Net Dimensions (W x H x D)	mm	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Net Weight	kg	2.7	2.7	2.7	2.7	2.7
Accessories	Drain Pump		Included	Included	Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24	750/24

Controls and Accessories

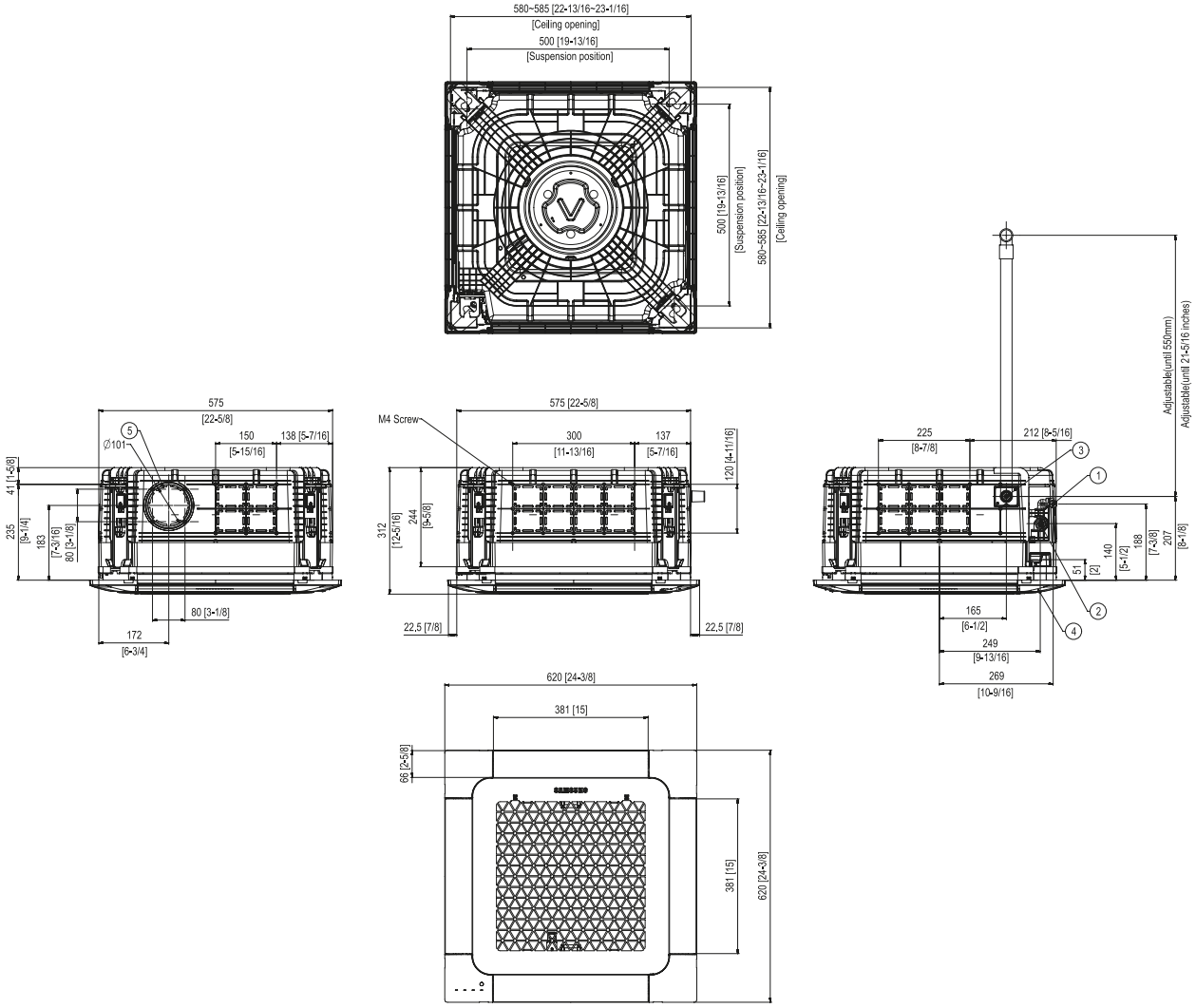


Wireless Remote Controller	Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Panel (Required)	Motion Detect Sensor
AR-CH01E	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	PC4SUFMAN	MCR-SMD

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	Φ9.52 (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				

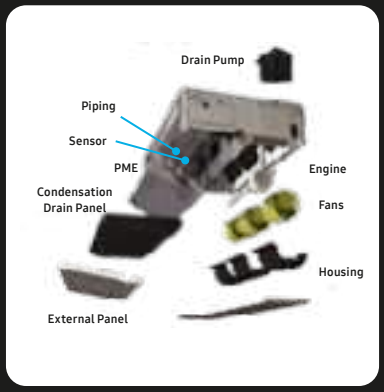
LSP and MSP Duct

Easy installation and servicing

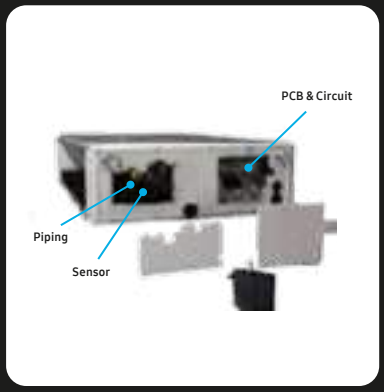
Thanks to their ultra-compact design, Samsung duct units can be placed almost anywhere and can even be split into two parts (20/25 kW models). This makes for easy installation and maintenance. The indoor unit can be accessed from three directions: from the top, bottom and the side, making maintenance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



Accessible from top



Accessible from bottom



Accessible from side





Only applies to LSP duct

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.



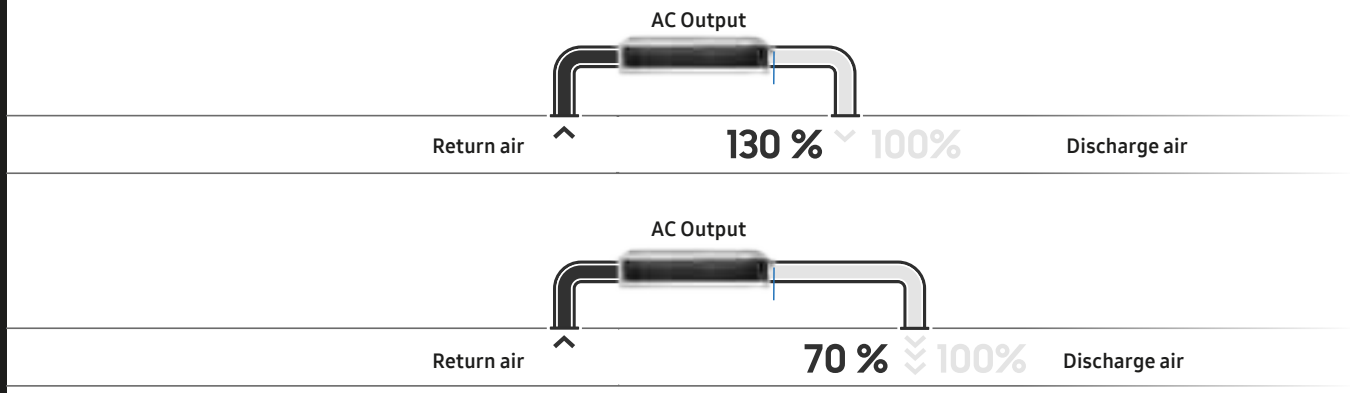
Indoor discharge temperature

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.

MSP Duct with 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.

*Only applies to MSP Duct





Not all features are available for all models.

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-Z075SZED
	Max. Lifting Height/ Displacement	mm / litres/h		750/24
	Air Filter			Removable/Washable

Controls and Accessories









Wireless Remote Controller	Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Drain pump (optional)
AR-CH01E	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	MDP-Z075SZED

Specifications

LSP Slim Duct with Drain Pump R32

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




		Indoor Unit	AJ026TNLPEG/EU	AJ035TNLPEG/EU
Capacity				
	Cooling	kW	2.6	3.5
	Heating up to +7 °C	kW	2.9	3.8
Performance				
Airflow Rate	H/M/L	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	ø, inch	1/4"	1/4"
	Gas Pipe	ø, inch	3/8"	3/8"
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
Others				
Accessories	Drain Pump		Built in	Built in
	Max. Lifting Height/ Displacement	mm / litres/h	1,200/24	1,200/24
	Air Filter		Removable/Washable	Removable/Washable

Controls and Accessories





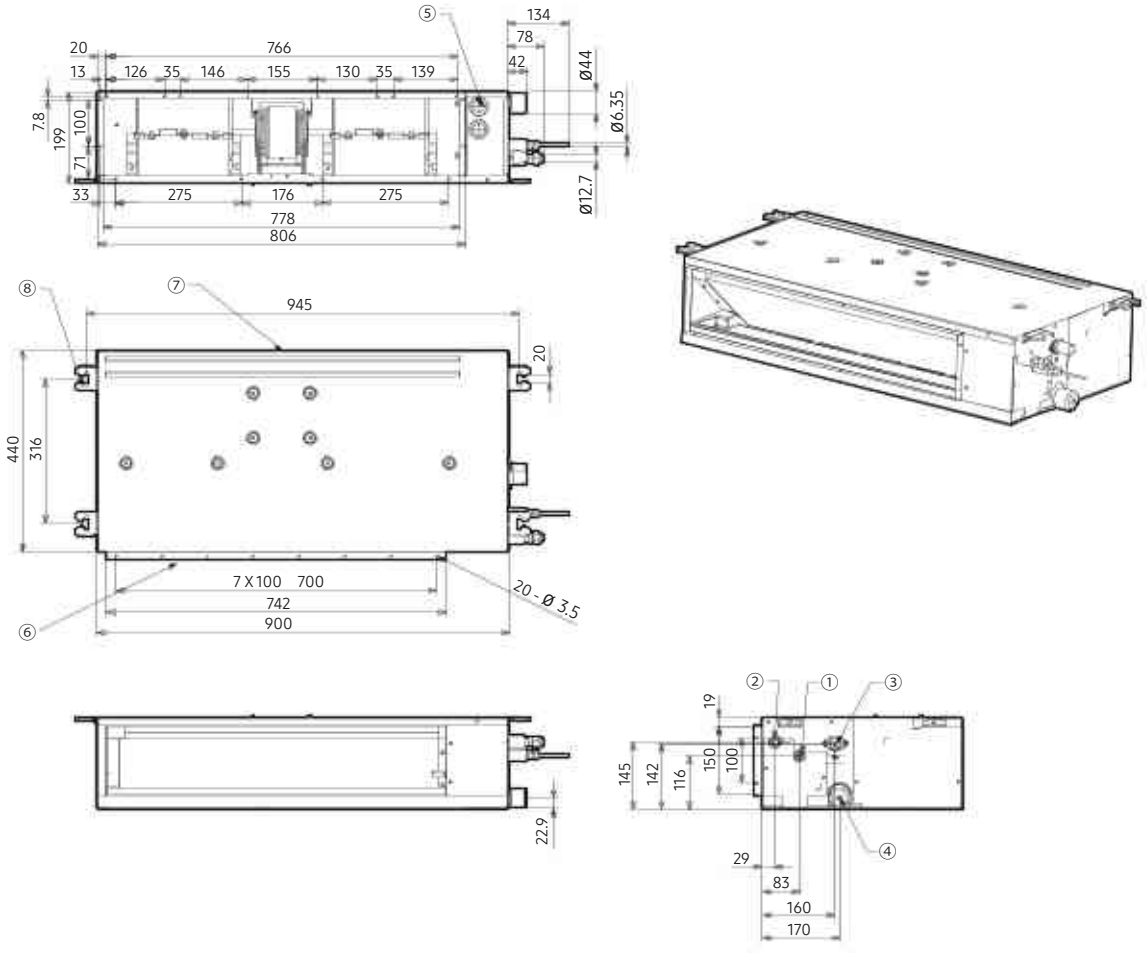


Wireless Remote Controller	Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit
AR-CH01E	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N	MIM-H04EN

Dimensional drawings

MSP Duct

AJ052BNMDEG/EU	Units: mm [inches]

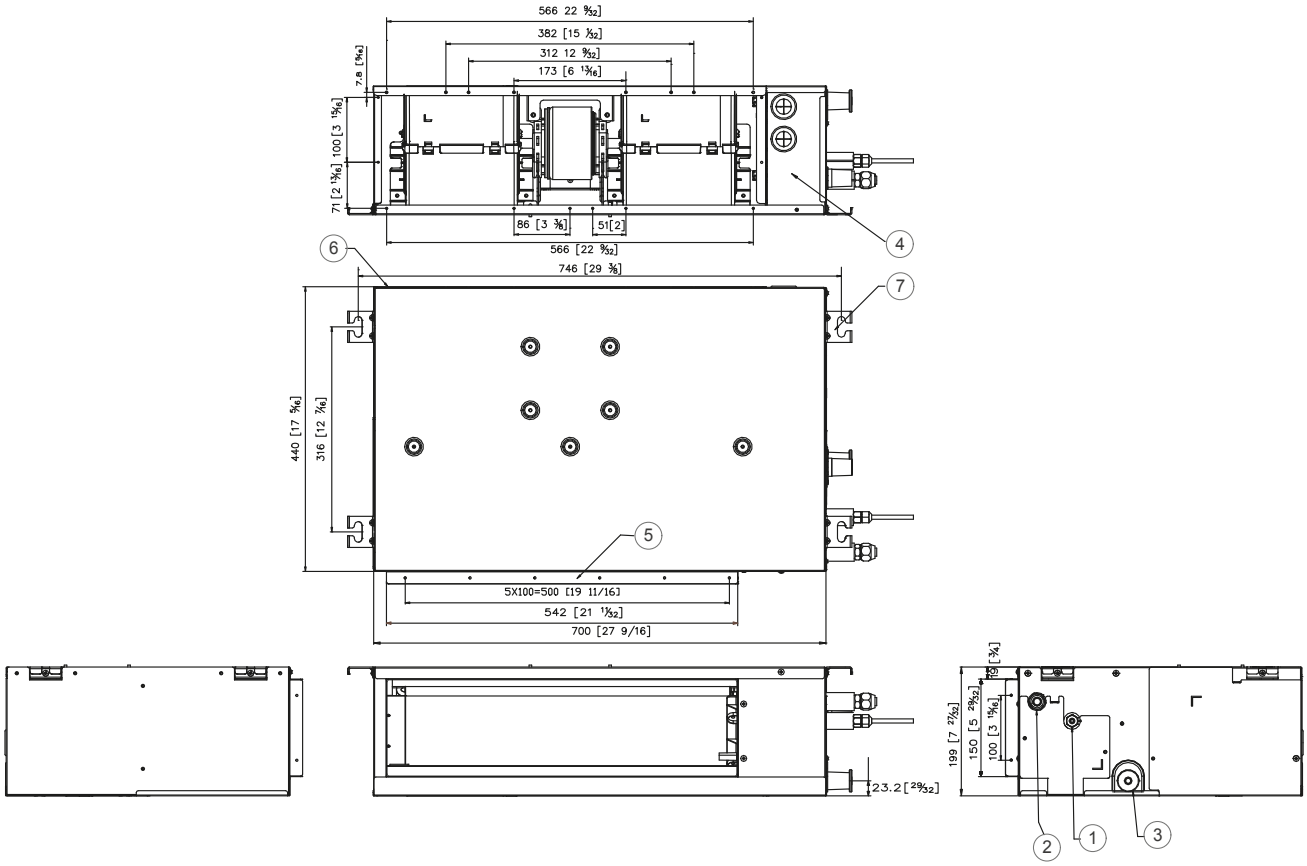


NO	Name	Description
1	Refrigerant Liquid Pipe	Ø6.35 [1/4"] Flare Connection
2	Refrigerant Gas Pipe	Φ12.70 [1/2"] Flare Connection
3	Condensate Drain	VP25 (OD 32, ID 25)
4	Condensate Drain (Option)	VP25 (OD 32, ID 25)
5	Power & Comm. Wiring Conduits	
6	Supply Air Flange	
7	Return Air Flange	
8	Hook	

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

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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	50
	Heating	W	30	35	50
Current Input	Cooling	A	0.25	0.29	0.29
	Heating	A	0.25	0.29	0.29
Dimensions					
Net Dimensions (W x H x D)		mm	720 x 199 x 620	720 x 199 x 620	720 x 199 x 620
Net Weight		kg	15.7	15.7	15.7
Refrigerant					
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)

Controls and Accessories





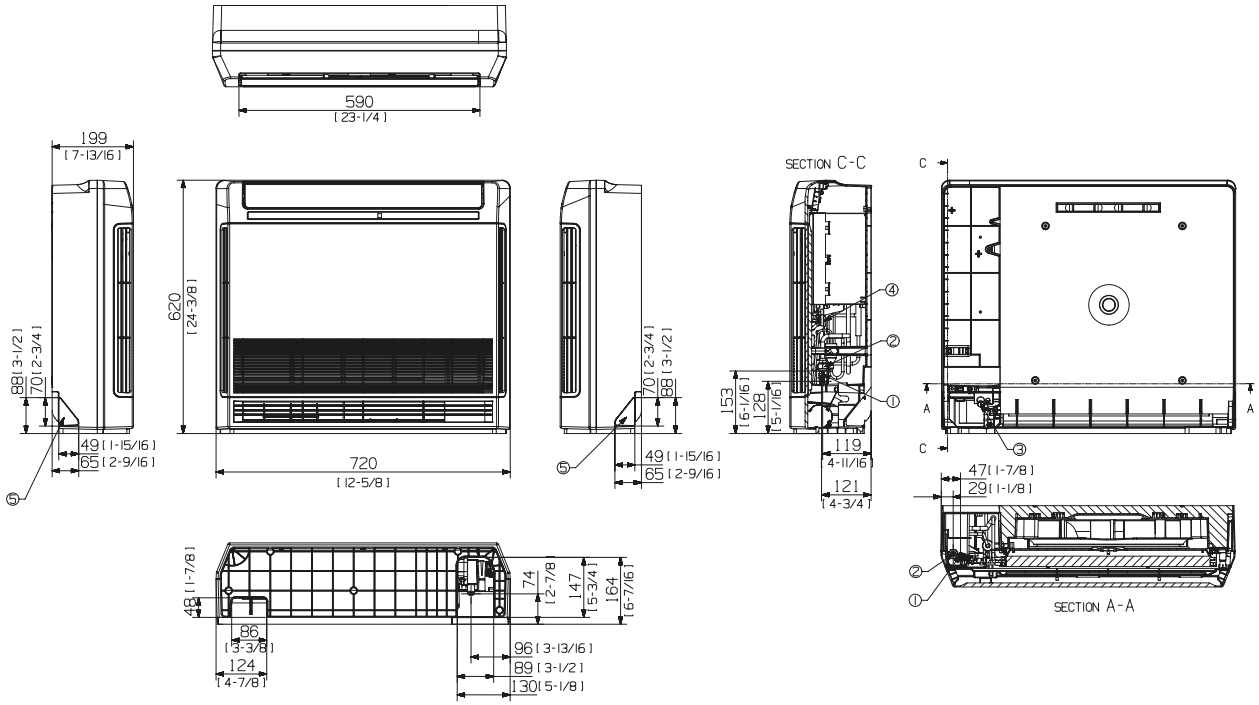


Advanced Wired Controller	Simple Type Controller	Touch Controller	Wi-Fi Kit	Remote controller (included)
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MIM-H04EN	AR-EH03E

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		

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Combination guide

4-1. AJ040TXJ2KG/EU

Cooling

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

Heating

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

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

Heating

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

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

Heating

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

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.

4-4. AJ068TXJ3KG/EU

Cooling

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

Heating

Outdoor Unit		A	B	C	Heating Capacity W			Capacity W			Power Consumption W			Current A			Effic. NOM. Heating at 7 °C/20 °C EER	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kWh	Qhe kWh
					A	B	C	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					
AJ068TXJ3KG	2 Unit	7	7		2,200	2,200		1,400	4,400	5,060	380	1,150	1,600	1.9	4.9	7.3	3.83	A+	4.25	3.05	1,006
		7	9		2,200	3,300		1,400	5,500	6,330	380	1,400	2,000	1.9	6.0	9.2	3.93	A+	4.2	4.21	1,401
		7	12		2,200	4,000		1,400	6,200	7,130	380	1,590	2300	1.9	6.8	10.5	3.90	A+	4.17	4.52	1,517
		7	18		2,090	5,710		1,400	7,800	8,970	380	1,880	2,700	1.9	8.5	12.4	4.14	A+	4.26	5.65	1,856
		9	9		3,300	3,300		1,400	6,600	7,590	380	1,770	2,600	1.9	7.5	11.9	3.73	A+	4.22	4.91	1,628
		9	12		3,300	4,000		1,400	7,300	8,400	380	1,870	2,600	1.9	8.0	11.9	3.90	A+	4.19	5.09	1,699
		9	18		2,770	5,030		1,400	7,800	8,970	380	1,940	2,800	1.9	8.7	12.8	4.02	A+	4.23	5.09	1,683
		12	12		3,900	3,900		1,400	7,800	8,970	380	1,910	2,700	1.9	8.6	12.4	4.08	A+	4.27	5.09	1,668
		12	18		3,200	4,800		1,400	8,000	9,200	380	1,990	2,800	1.9	9.0	12.8	4.02	A+	4.23	5.09	1,683
		18	18		4,000	4,000		1,400	8,000	9,200	380	1,980	2,800	1.9	8.9	12.8	4.04	A+	4.28	5.65	1,847
	3 Unit	7	7	7	2,200	2,200	2,200	1,400	6,600	8,100	380	1,540	2,400	1.9	6.6	11.0	4.28	A+	4.24	5.65	1,867
		7	7	9	2,200	2,200	3,300	1,400	7,700	9,500	380	1,780	2,500	1.9	8.1	11.4	4.32	A+	4.24	5.65	1,867
		7	7	12	2,100	2,100	3,800	1,400	8,000	9,800	380	1,870	2,600	1.9	8.5	11.9	4.28	A+	4.26	5.65	1,856
		7	7	18	1,690	1,690	4,620	1,400	8,000	9,800	380	1,860	2,600	1.9	8.4	11.9	4.30	A+	4.26	5.65	1,856
		7	9	9	2,000	3,000	3,000	1,400	8,000	9,800	380	1,810	2,500	1.9	8.2	11.4	4.42	A+	4.32	5.65	1,833
		7	9	12	1,850	2,780	3,370	1,400	8,000	9,800	380	1,830	2,600	1.9	8.3	11.9	4.37	A+	4.24	5.65	1,867
		7	9	18	1,530	2300	4,170	1,400	8,000	9,800	380	1,860	2,600	1.9	8.4	11.9	4.30	A+	4.24	5.65	1,867
		7	12	12	1,720	3,140	3,140	1,400	8,000	9,800	380	1,860	2,600	1.9	8.4	11.9	4.30	A+	4.24	5.65	1,867
		7	12	18	1,450	2,620	3,930	1,400	8,000	9,800	380	1,860	2,600	1.9	8.4	11.9	4.30	A+	4.24	5.65	1,867
		9	9	9	2,660	2,670	2,670	1,400	8,000	9,800	380	1,850	2,600	1.9	8.4	11.9	4.32	A+	4.24	5.65	1,867
		9	9	12	2,490	2,490	3,020	1,400	8,000	9,800	380	1,850	2,600	1.9	8.4	11.9	4.32	A+	4.26	5.65	1,856
		9	9	18	2,100	2,100	3,800	1,400	8,000	9,800	380	1,870	2,600	1.9	8.5	11.9	4.28	A+	4.26	5.65	1,856
		9	12	12	2,340	2,830	2,830	1,400	8,000	9,800	380	1,870	2,600	1.9	8.5	11.9	4.28	A+	4.24	5.65	1,867
		9	12	18	1,980	2,410	3,610	1,400	8,000	9,800	380	1,890	2,700	1.9	8.6	12.4	4.23	A+	4.24	5.65	1,867
		12	12	12	2,660	2,670	2,670	1,400	8,000	9,800	380	1,810	2,600	1.9	8.2	11.9	4.42	A+	4.32	5.65	1,833

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

Combination guide

4-5. AJ080TXJ4KG/EU

Cooling

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

Heating

Outdoor Unit		A	B	C	D	Heating Capacity W				Capacity W			Power Consumption W			Current A			Effic. NOM. Heating at 7 °C/20 °C COP[1]	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kW	Qhe kWh
						A	B	C	D	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX					
AJ080TXJ4KG	2 Unit	7	7			2,200	2,200			1,980	4,400	5,060	600	1,150	1,530	2.7	4.9	7.0	3.83	A+	4.25	3.05	1,006
		7	9			2,040	3,060			2,040	5,100	5,870	610	1,290	1,700	2.8	5.5	7.8	3.95	A+	4.20	4.21	1,401
		7	12			2,130	3,870			2,110	6,000	6,900	610	1,530	2,110	2.8	6.5	9.7	3.92	A+	4.11	4.91	1,669
		7	18			2,090	5,710			2,200	7,800	9,130	620	1,920	2,580	2.8	8.2	11.8	4.06	A+	4.18	5.09	1,705
		7	24			1,790	6,330			2,200	8,120	9,300	620	2,000	2,600	2.8	8.5	11.9	4.06	A+	4.18	5.2	1,742
		9	9			2,900	2,900			2,100	5,800	6,670	610	1,470	1,930	2.8	6.3	8.8	3.94	A+	4.11	4.91	1,669
		9	12			3,030	3,670			2,170	6,700	7,710	610	1,730	2,330	2.8	7.4	10.7	3.87	A+	4.11	4.91	1,669
		9	18			2,770	5,030			2,200	7,800	9,360	620	1,920	2,600	2.8	8.2	11.9	4.06	A+	4.18	5.09	1,705
		9	24			2,480	5,870			2,200	8,350	9,600	620	2,220	2,700	2.8	9.5	12.4	3.94	A+	4.18	5.2	1,742
		12	12			3,800	3,800			2,200	7,600	8,740	620	1,890	2,510	2.8	8.1	11.5	4.02	A+	4.18	5.09	1,705
		12	18			3,250	4,870			2,200	8,120	9,500	620	2,000	2,650	2.8	8.5	12.1	4.06	A+	4.18	5.09	1,705
		12	24			2,860	5,590			2,200	8,450	9,700	620	2,100	2,700	2.8	8.9	12.4	4.02	A+	4.18	5.09	1,705
		18	18			4,250	4,250			2,200	8,500	9,950	620	2,080	2,750	2.8	8.9	12.6	4.09	A+	4.10	5.88	2,010
		18	24			3,760	4,890			2,200	8,650	9,900	620	2,110	2,800	2.8	9.0	12.8	4.10	A+	4.10	5.88	2,010
	3 Unit	7	7			2,200	2,200	2,200		2,170	6,600	7,590	610	1,540	2,220	2.8	6.6	10.2	4.28	A+	4.14	5.65	1,912
		7	7	9		2,090	2,090	3,120		2,200	7,300	8,400	620	1,670	2,340	2.8	7.1	10.7	4.37	A+	4.10	5.88	2,010
		7	7	12		2,150	2,150	3,900		2,200	8,200	9,590	620	1,950	2,570	2.8	8.3	11.8	4.21	A+	4.10	5.88	2,010
		7	7	18		1,820	1,820	4,980		2,200	8,620	10,090	620	2,040	2,610	2.8	8.7	11.9	4.23	A+	4.10	5.88	2,009
		7	7	24		1,580	1,580	5,590		2,200	8,750	10,500	620	2,080	2,750	2.8	8.9	12.6	4.21	A+	4.11	5.88	2,003
		7	9	9		2,000	3,000	3,000		2,200	8,000	9,360	620	1,930	2,500	2.8	8.2	11.4	4.14	A+	4.10	5.88	2,010
		7	9	12		1,980	2,960	3,590		2,200	8,530	9,980	620	2,000	2,690	2.8	8.5	12.3	4.27	A+	4.10	5.88	2,009
		7	9	18		1,660	2,490	4,530		2,200	8,680	10,150	620	2030	2,740	2.8	8.6	12.5	4.28	A+	4.10	5.88	2,009
		7	9	24		1,540	2,310	5,450		2,200	9,300	10,900	620	2,150	2,820	2.8	9.2	12.9	4.33	A+	4.11	5.88	2,003
		7	12	12		1,860	3,370	3,370		2,200	8,600	10,070	620	2030	2,740	2.8	8.6	12.5	4.24	A+	4.10	5.88	2,009
		7	12	18		1,580	2,870	4,300		2,200	8,750	10,500	620	2,080	2,750	2.8	8.9	12.6	4.21	A+	4.11	5.88	2,003
		7	18	18		1,440	3,930	3,930		2,200	9,300	10,900	620	2,150	2,820	2.8	9.2	12.9	4.33	A+	4.11	5.88	2,003
		9	9	9		2,840	2,840	2,840		2,200	8,520	9,960	620	1,990	2,680	2.8	8.5	12.3	4.28	A+	4.10	5.88	2,009
		9	9	12		2,670	2,670	3,250		2,200	8,590	10,050	620	2030	2,690	2.8	8.6	12.3	4.23	A+	4.10	5.88	2,009
		9	9	18		2,290	2,290	4,170		2,200	8,750	10,500	620	2,080	2,740	2.8	8.9	12.5	4.21	A+	4.11	5.88	2,003
		9	9	24		2,130	2,130	5,040		2,200	9,300	10,900	620	2,170	2,820	2.8	9.2	12.9	4.29	A+	4.11	5.88	2,003
		9	12	12		2,520	3,070	3,070		2,200	8,660	10,130	620	2,040	2,740	2.8	8.7	12.5	4.24	A+	4.10	5.88	2,009
		9	12	18		2,310	2,800	4,190		2,200	9,300	10,500	620	2,130	2,750	2.8	9.1	12.6	4.37	A+	4.11	5.88	2,003
		12	12	12		2,910	2,910	2,910		2,200	8,730	10,220	620	2,070	2,750	2.8	8.8	12.6	4.22	A+	4.11	5.88	2,003
		12	12	18		2,660	2,660	3,980		2,200	9,300	10,900	620	2,160	2,790	2.8	9.2	12.8	4.31	A+	4.11	5.88	2,003
	4 Unit	7	7	7	7	2,130	2,130	2,130	2,130	2,200	8,520	9,970	620	1,990	2,690	2.8	8.9	12.3	4.28	A+	4.11	5.88	2,003
		7	7	7	9	1,910	1,910	1,910	2,850	2,200	8,580	10,040	620	2030	2,690	2.8	9.0	12.3	4.23	A+	4.11	5.88	2,003
		7	7	7	12	1,800	1,800	1,800	3,250	2,200	8,650	10,120	620	2,020	2,740	2.8	9.0	12.5	4.28	A+	4.11	5.88	2,003
		7	7	7	18	1,620	1,620	1,620	4,440	2,200	9,300	10,900	620	2,130	2,820	2.8	9.5	12.9	4.37	A+	4.11	5.88	2,003
		7	7	9	9	1,730	1,730	2,590	2,590	2,200	8,640	10,100	620	2,020	2,740	2.8	9.0	12.5	4.28	A+	4.11	5.88	2,003
		7	7	9	12	1,640	1,640	2,460	2,970	2,200	8,710	10,190	620	2,040	2,740	2.8	9.1	12.5	4.27	A+	4.11	5.88	2,003
		7	7	9	18	1,490	1,490	2,240	4,080	2,200	9,300	10,900	620	2,130	2,820	2.8	9.5	12.9	4.37	A+	4.11	5.88	2,003
		7	7	12	12	1,560	1,560	2,830	2,830	2,200	8,780	10,270	620	2,070	2,790	2.8	9.2	12.8	4.24	A+	4.11	5.88	2,003
		7	9	9	9	1,580	2,370	2,370	2,370	2,200	8,690	10,170	620	2030	2,740	2.8	9.0	12.5	4.28	A+	4.11	5.88	2,003
		7	9	9	12	1,510	2,260	2,260	2,730	2,200	8,760	10,250	620	2,060	2,790	2.8	9.2	12.8	4.25	A+	4.11	5.88	2,003
		7	9	9	18	1,390	2,070	2,070	3,770	2,200	9,300	10,900	620	2,130	2,820	2.8	9.5	12.9	4.37	A+	4.11	5.88	2,003
		7	9	12	12	1,520	2,260	2,760	2,760	2,200	9,300	10,900	620	2,130	2,820	2.8	9.5	12.9	4.37	A+	4.11	5.88	2,003
		9	9	9	9	2,190	2,190	2,190	2,190	2,200	8,760	10,240	620	2,060	2,740	2.8	9.2	12.5	4.25	A+	4.11	5.88	2,003
		9	9	9	12	2,210	2,210	2,210	2,670	2,200	9,300	10,900	620	2,130	2,790	2.8	9.5	12.8	4.37	A+	4.11	5.88	2,003
		9	9	12	12	2,100	2,100	2,550	2,550	2,200	9,300	10,900	620	2,130	2,820	2.8	9.5	12.9	4.37	A+	4.11	5.88	2,003

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

Combination guide

4-6. AJ100TXJ5KG/EU

Cooling

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

Combination guide 1/2

4-6. AJ100TXJ5KG/EU

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

Heating

Outdoor Unit		A	B	C	D	E	Heating Capacity W					Capacity W			Power Consumption W			Current A			Effic. NOM. Heating at 7 ℃/ 20 ℃	Seasonal Efficiency (According to EN14825)	SCOP	P design	Qhe
							A	B	C	D	E	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX	COP[1]	Class		kW	kWh
AJ100TXJ5KG	2 Unit	7	7				2,200	2,200				1,240	4,400	5,530	460	1,070	1,520	2.1	4.6	7.0	4.10	A+	4.16	3.05	1,028
		7	9				2,200	3,300				1,240	5,500	6,790	460	1,360	1,850	2.1	5.8	8.5	4.05	A+	4.15	4.21	1,418
		7	12				2,200	4,000				1,270	6,200	7,580	470	1,490	2,060	2.2	6.3	9.4	4.15	A+	4.19	4.91	1,638
		7	18				2,200	6,000				1,300	8,200	10,110	480	2,010	2,750	2.2	8.6	12.6	4.08	A+	4.09	5.88	2,010
		7	24				2,200	7,800				1,500	10,000	12,480	500	2,490	3,390	2.3	10.6	15.5	4.01	A+	4.03	7.70	2,671
		9	9				3,300	3,300				1,240	6,600	8,220	460	1,630	2,230	2.1	6.9	10.2	4.06	A+	4.19	4.91	1,638
		9	12				3,300	4,000				1,270	7,300	9,010	470	1,810	2,440	2.2	7.7	11.2	4.04	A+	4.19	4.91	1,638
		9	18				3,300	6,000				1,300	9,300	11,690	480	2,320	3,160	2.2	9.9	14.5	4.01	A+	4.03	7.70	2,671
		9	24				3,150	7,450				1,500	10,600	13,110	500	2,640	3,560	2.3	11.2	16.3	4.02	A+	4.03	7.70	2,671
		12	12				4,000	4,000				1,270	8,000	9,800	470	1,940	2,650	2.2	8.3	12.1	4.13	A+	4.19	4.91	1,638
		12	18				4,000	6,000				1,470	10,000	12,320	490	2,490	3,330	2.2	10.6	15.2	4.01	A+	4.03	7.70	2,671
		12	24				3,590	7,010				1,530	10,600	13,110	510	2,670	3,560	2.3	11.4	16.3	3.97	A+	4.03	7.70	2,671
		18	18				5,300	5,300				1,650	10,600	13,110	500	2,660	3,560	2.3	11.3	16.3	3.99	A+	4.03	7.70	2,671
		18	24				4,610	5,990				1,820	10,600	13,110	520	2,640	3,580	2.4	11.2	16.4	4.02	A+	4.03	7.70	2,671
		24	24				5,300	5,300				2,160	10,600	12,960	540	2,640	3,560	2.5	11.2	16.3	4.02	A+	4.03	7.70	2,671
	3 Unit	7	7	7			2,200	2,200	2,200			1,320	6,600	7,580	490	1,590	2,090	2.2	6.8	9.6	4.14	A+	4.18	5.65	1,893
		7	7	9			2,200	2,200	3,300			1,320	7,700	9,010	490	1,850	2,460	2.2	7.9	11.3	4.17	A+	4.18	5.65	1,893
		7	7	12			2,200	2,200	4,000			1,350	8,400	9,800	500	2030	2,680	2.3	8.6	12.3	4.14	A+	4.23	5.88	1,939
		7	7	18			2,050	2,050	5,590			1,530	9,690	12,170	510	2,380	3,320	2.3	10.1	15.2	4.08	A+	4.25	7.91	2,607
		7	7	24			1,780	1,780	6,300			1,750	9,860	12,170	530	2,420	3,340	2.4	10.3	15.3	4.08	A+	4.25	7.91	2,607
		7	9	9			2,200	3,300	3,300			1,320	8,800	10,740	490	2,110	2,920	2.2	9.0	13.4	4.18	A+	4.23	5.88	1,939
		7	9	12			2,200	3,300	4,000			1,350	9,500	11,380	500	2,350	3,090	2.3	10.0	14.1	4.05	A+	4.25	7.91	2,607
		7	9	18			1,870	2,810	5,110			1,530	9,790	11,850	510	2,400	3,230	2.3	10.2	14.8	4.08	A+	4.25	7.91	2,607
		7	9	24			1,650	2,470	5,850			1,860	9,970	12,170	530	2,440	3,340	2.4	10.4	15.3	4.08	A+	4.25	7.91	2,607
		7	12	12			2,090	3,790	3,790			1,500	9,670	12,170	500	2,370	3,310	2.3	10.1	15.1	4.08	A+	4.25	7.91	2,607
		7	12	18			1,780	3,230	4,850			1,720	9,860	12,170	520	2,420	3,320	2.4	10.3	15.2	4.07	A+	4.25	7.91	2,607
		7	12	24			1,580	2,870	5,590			1,890	10,040	12,320	540	2,440	3,380	2.5	10.4	15.5	4.11	A+	4.25	7.91	2,607
		7	18	18			1,560	4,250	4,250			1,860	10,060	12,320	530	2,450	3,380	2.4	10.4	15.5	4.10	A+	4.25	7.91	2,607
		7	18	24			1,490	4,050	5,270			2,200	10,810	12,800	550	2,610	3,520	2.5	11.1	16.1	4.14	A+	4.25	7.91	2,607
		7	24	24			1,360	4,820	4,820			2,280	11,000	12,960	570	2,640	3,590	2.6	11.2	16.4	4.16	A+	4.25	7.91	2,607
		9	9	9			3,210	3,210	3,210			1,470	9,630	11,850	490	2,360	3,210	2.2	10.1	14.7	4.08	A+	4.23	5.88	1,939
		9	9	12			3,020	3,020	3,660			1,500	9,700	11,530	500	2,340	3,140	2.3	10.0	14.4	4.15	A+	4.25	7.91	2,607
		9	9	18			2,590	2,590	4,710			1,680	9,890	12,320	510	2,410	3,360	2.3	10.3	15.4	4.11	A+	4.25	7.91	2,607
		9	9	24			2,440	2,440	5,770			1,860	10,650	12,480	530	2,620	3,420	2.4	11.2	15.7	4.07	A+	4.25	7.91	2,607
		9	12	12			2,850	3,460	3,460			1,500	9,770	11,850	500	2,340	3,220	2.3	10.0	14.7	4.17	A+	4.25	7.91	2,607
		9	12	18			2,470	3,000	4,500			1,820	9,970	12,170	520	2,410	3,320	2.4	10.3	15.2	4.14	A+	4.25	7.91	2,607
		9	12	24			2,340	2,840	5,540			1,890	10,720	12,480	540	2,650	3,430	2.5	11.3	15.7	4.05	A+	4.25	7.91	2,607
		9	18	18			2,320	4,210	4,210			1,860	10,740	12,480	530	2,650	3,420	2.4	11.3	15.7	4.05	A+	4.25	7.91	2,607
		9	18	24			2,120	3,860	5,020			2,200	11,000	12,960	550	2,700	3,570	2.5	11.5	16.3	4.08	A+	4.25	7.91	2,607
		9	24	24			1,920	4,540	4,540			2,280	11,000	13,110	570	2,290	3,630	2.6	9.8	16.6	4.80	A+	4.25	7.91	2,607
		12	12	12			3,280	3,280	3,280			1,680	9,840	12,170	510	2,350	3,310	2.3	10.0	15.1	4.18	A+	4.25	7.91	2,607
		12	12	18			2,870	2,870	4,300			1,820	10,040	12,320	520	2,440	3,370	2.4	10.4	15.4	4.11	A+	4.25	7.91	2,607
		12	12	24			2,730	2,730	5,330			2,160	10,790	12,800	540	2,610	3,510	2.5	11.1	16.1	4.13	A+	4.25	7.91	2,607
		12	18	18			2,700	4,050	4,050			2,160	10,800	12,800	540	2,610	3,510	2.5	11.1	16.1	4.14	A+	4.25	7.91	2,607
		12	18	24			2,470	3,710	4,820			2,240	11,000	12,960	560	2,660	3,570	2.6	11.3	16.3	4.13	A+	4.25	7.91	2,607
		12	24	24			2,240	4,380	4,380			2,320	11,000	13,430	580	2,660	3,720	2.7	11.3	17.0	4.13	A+	4.25	7.91	2,607
		18	18	18			3,660	3,670	3,670			2,200	11,000	12,960	550	2,660	3,570	2.5	11.3	16.3	4.13	A+	4.25	7.91	2,607
		18	18	24			3,330	3,330	4,340			2,280	11,000	13,430	570	2,660	3,710	2.6	11.3	17.0	4.13	A+	4.25	7.91	2,607

Combination guide 2/2

Outdoor Unit		A	B	C	D	E	Heating Capacity W					Capacity W			Power Consumption W			Current A			Effic. NOM. Heating at 7 °C/ 20 °C	Seasonal Efficiency (According to EN14825)	SCOP	P design	Qhe
							A	B	C	D	E	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX	COP[1]	Class		kW	kWh
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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	2,607
		9	12	12	24		1,910	2300	2300	4,490		2,280	11,000	13,110	570	2,680	3,630	2.6	11.4	16.6	4.11	A+	4.25	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	2,607

Outdoor Unit		A	B	C	D	E	Heating Capacity W					Capacity W			Power Consumption W			Current A			Effic. NOM. Heating at 7 °C/ 20 °C COP[1]	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kW	Qhe kWh
							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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	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	7.91	2,607
		7	7	7	12	12	1,730	1,730	1,730	3,140	3,140	1,960	11,470	13,430	560	2,680	3,700	2.6	12.2	16.9	4.28	A+	4.25	7.91	2,607
		7	7	7	12	18	1,580	1,580	1,580	2,880	4,320	2,320	11,940	13,750	580	2,830	3,800	2.7	12.9	17.4	4.22	A+	4.25	7.91	2,607
		7	7	7	12	24	1,430	1,430	1,430	2,620	5,090	2,400	12,000	14,000	600	2,830	3,940	2.7	12.9	18.0	4.24	A+	4.25	7.91	2,607
		7	7	7	18	18	1,420	1,420	1,420	3,870	3,870	2,360	12,000	14,000	590	2,830	3,940	2.7	12.9	18.0	4.24	A+	4.25	7.91	2,607
		7	7	9	9	9	1,840	1,840	2,760	2,760	2,760	1,930	11,960	13,430	550	2,810	3,690	2.5	12.8	16.9	4.26	A+	4.25	7.91	2,607
		7	7	9	9	12	1,690	1,690	2,540	2,540	3,080	1,960	11,540	13,590	560	2,700	3,740	2.6	12.3	17.1	4.28	A+	4.25	7.91	2,607
		7	7	9	9	18	1,550	1,550	2,330	2,330	4,240	2,280	12,000	13,900	570	2,820	3,840	2.6	12.8	17.6	4.26	A+	4.25	7.91	2,607
		7	7	9	9	24	1,400	1,400	2,110	2,110	4,980	2,360	12,000	14,000	590	2,820	3,940	2.7	12.8	18.0	4.26	A+	4.25	7.91	2,607
		7	7	9	12	12	1,640	1,640	2,470	2,990	2,990	2,240	11,730	13,590	560	2,750	3,740	2.6	12.5	17.1	4.26	A+	4.25	7.91	2,607
		7	7	9	12	18	1,490	1,490	2,240	2,710	4,070	2,320	12,000	13,900	580	2,840	3,840	2.7	12.9	17.6	4.22	A+	4.25	7.91	2,607
		7	7	9	12	24	1,350	1,350	2,040	2,460	4,800	2,400	12,000	14,000	600	2,840	3,940	2.7	12.9	18.0	4.22	A+	4.25	7.91	2,607
		7	7	9	18	18	1,340	1,340	2,020	3,650	3,650	2,360	12,000	14,000	590	2,840	3,940	2.7	12.9	18.0	4.22	A+	4.25	7.91	2,607
		7	7	12	12	12	1,600	1,600	2,900	2,900	2,900	2,280	11,900	13,750	570	2,780	3,790	2.6	12.6	17.3	4.28	A+	4.25	7.91	2,607
		7	7	12	12	18	1,430	1,430	2,610	2,610	3,920	2,320	12,000	14,000	580	2,840	3,930	2.7	12.9	18.0	4.22	A+	4.25	7.91	2,607
		7	9	9	9	9	1,670	2,500	2,500	2,500	2,500	1,930	11,670	13,590	550	2,720	3,730	2.5	12.4	17.1	4.29	A+	4.25	7.91	2,607
		7	9	9	9	12	1,620	2,420	2,420	2,420	2,940	2,240	11,820	13,750	560	2,760	3,780	2.6	12.6	17.3	4.28	A+	4.25	7.91	2,607
		7	9	9	9	18	1,460	2,190	2,190	2,190	3,970	2,280	12,000	14,000	570	2,830	3,920	2.6	12.9	17.9	4.24	A+	4.25	7.91	2,607
		7	9	9	9	24	1,330	1,990	1,990	1,990	4,700	2,360	12,000	14,000	590	2,830	3,940	2.7	12.9	18.0	4.24	A+	4.25	7.91	2,607
		7	9	9	12	12	1,570	2,350	2,360	2,860	2,860	2,240	12,000	13,900	560	2,820	3,830	2.6	12.8	17.5	4.26	A+	4.25	7.91	2,607
		7	9	9	12	18	1,400	2,110	2,110	2,550	3,830	2,320	12,000	14,000	580	2,870	3,920	2.7	13.0	17.9	4.18	A+	4.25	7.91	2,607
		7	9	9	12	24	1,290	1,920	1,920	2,330	4,540	2,400	12,000	14,000	600	2,870	3,940	2.7	13.0	18.0	4.18	A+	4.25	7.91	2,607
		7	9	9	18	18	1,280	1,900	1,900	3,460	3,460	2,360	12,000	14,000	590	2,860	3,940	2.7	13.0	18.0	4.20	A+	4.25	7.91	2,607
		7	9	12	12	12	1,520	2,260	2,740	2,740	2,740	2,280	12,000	13,900	570	2,850	3,830	2.6	12.9	17.5	4.21	A+	4.25	7.91	2,607
		7	9	12	12	18	1,360	2030	2,460	2,460	3,690	2,320	12,000	14,000	580	2,850	3,930	2.7	12.9	18.0	4.21	A+	4.25	7.91	2,607
		7	12	12	12	12	1,440	2,640	2,640	2,640	2,640	2,280	12,000	14,000	570	2,830	3,920	2.6	12.9	17.9	4.24	A+	4.25	7.91	2,607
		9	9	9	9	9	2,400	2,400	2,400	2,400	2,400	3,400	12,000	14,000	550	2,820	3,900	2.5	12.8	17.8	4.26	A+	4.25	7.91	2,607
		9	9	9	9	12	2300	2300	2300	2300	2,800	2,240	12,000	13,900	560	2,820	3,820	2.6	12.8	17.5	4.25	A+	4.25	7.91	2,607
		9	9	9	9	18	2,060	2,060	2,060	2,060	3,760	2,280	12,000	14,000	570	2,840	3,920	2.6	12.9	17.9	4.23	A+	4.25	7.91	2,607
		9	9	9	9	24	1,890	1,890	1,890	1,890	4,440	2,360	12,000	14,000	590	2,840	3,940	2.7	12.9	18.0	4.23	A+	4.25	7.91	2,607
		9	9	9	12	12	2,210	2,210	2,210	2,680	2,690	2,240	12,000	14,000	560	2,840	3,910	2.6	12.9	17.9	4.23	A+	4.25	7.91	2,607
		9	9	9	12	18	1,990	1,990	1,990	2,410	3,620	2,320	12,000	14,000	580	2,830	3,920	2.7	12.9	17.9	4.24	A+	4.25	7.91	2,607
		9	9	12	12	12	2,130	2,130	2,580	2,580	2,580	2,280	12,000	14,000	570	2,840	3,910	2.6	12.9	17.9	4.23	A+	4.25	7.91	2,607
		9	9	12	12	18	1,920	1,920	2,330	2,330	3,500	3,400	12,000	14,000	580	2,850	3,930	2.7	12.9	18.0	4.21	A+	4.25	7.91	2,607
		9	12	12	12	12	2,040	2,490	2,490	2,490	2,490	2,280	12,000	14,000	570	2,850	3,920	2.6	12.9	17.9	4.21	A+	4.25	7.91	2,607

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

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Commercial Split

Climate comfort for businesses

Designed specifically for businesses, a commercial split system cools or heats larger areas that require higher capacities and (multiple) indoor units that function in unison. It offers an ideal solution for small to medium-sized businesses such as restaurants, retail spaces, or offices and enables them to maintain a preferred temperature throughout the day. Our commercial split systems offer various capacities, dimensions and indoor units: there is always a combination to suit specific needs.





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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

		Cassette			
					
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**	●	●	●	●

		Wall-Mounted		Others		
						
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.

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





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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)

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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				
		12.0				
Console		3.5	-	-	-	-
		5.0	-	-	-	-
Ceiling		5.0		2	3	3
		7.0				2
		10.0				
		12.0				

* Combination is only compatible with CAC ODU



CAC High Energy Efficiency (HEE) Range

Durable & corrosion resistant

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



Durafin™ Ultra & GI Steel Plate

An anti-corrosive layer and a hydrophilic layer disperses water and reinforces its corrosion-resistance, which was proven using the Salt Spray Test (SST) over a period of 3,000 hours[1]. 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

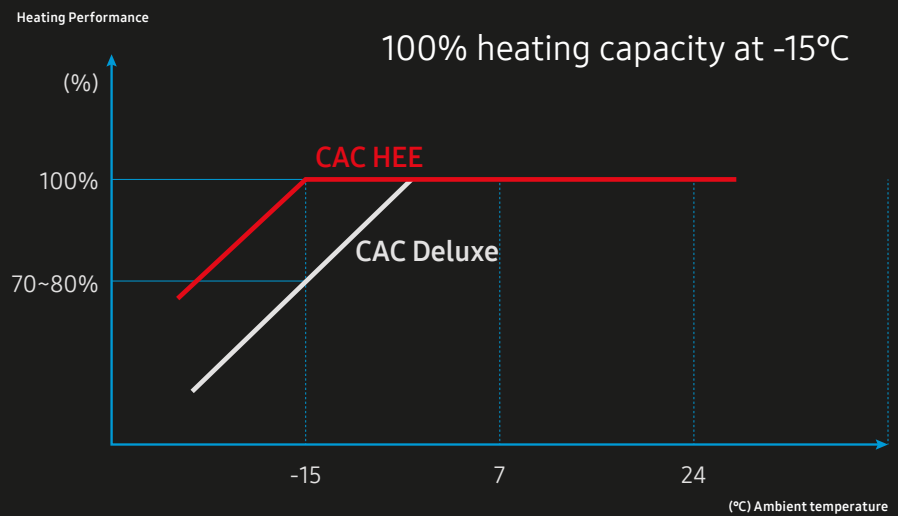
In heating mode, when operating in cold weather (-25°C or below) the defrost cycle is used to remove ice from the heat exchanger. The base heater will melt ice therefore preventing the outdoor unit from ice build-up. The CAC HEE range has an elevated base design with deepened and slanted gutters, so it drains condensed water much faster to prevent it from freezing inside the cabinet[1]. 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



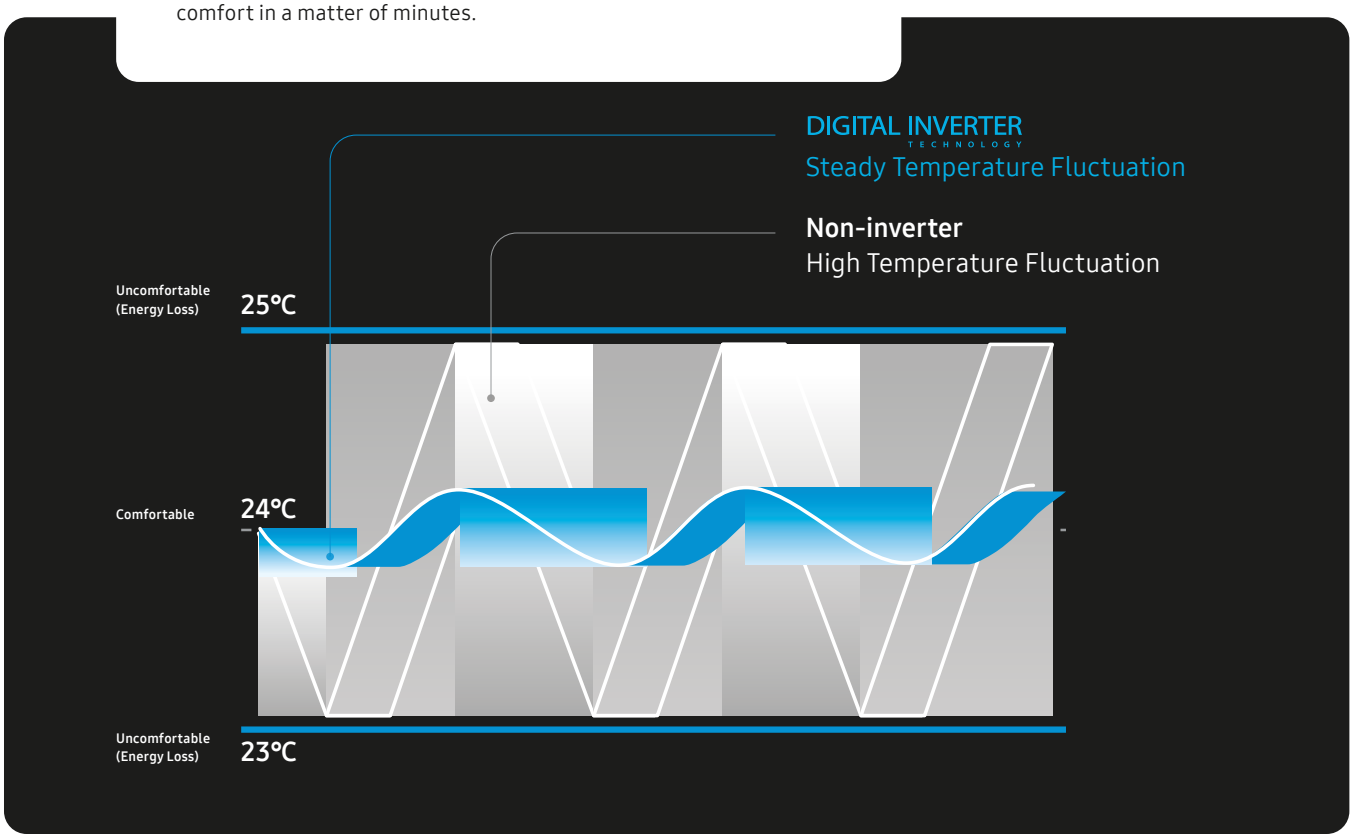
Multi-unit operation

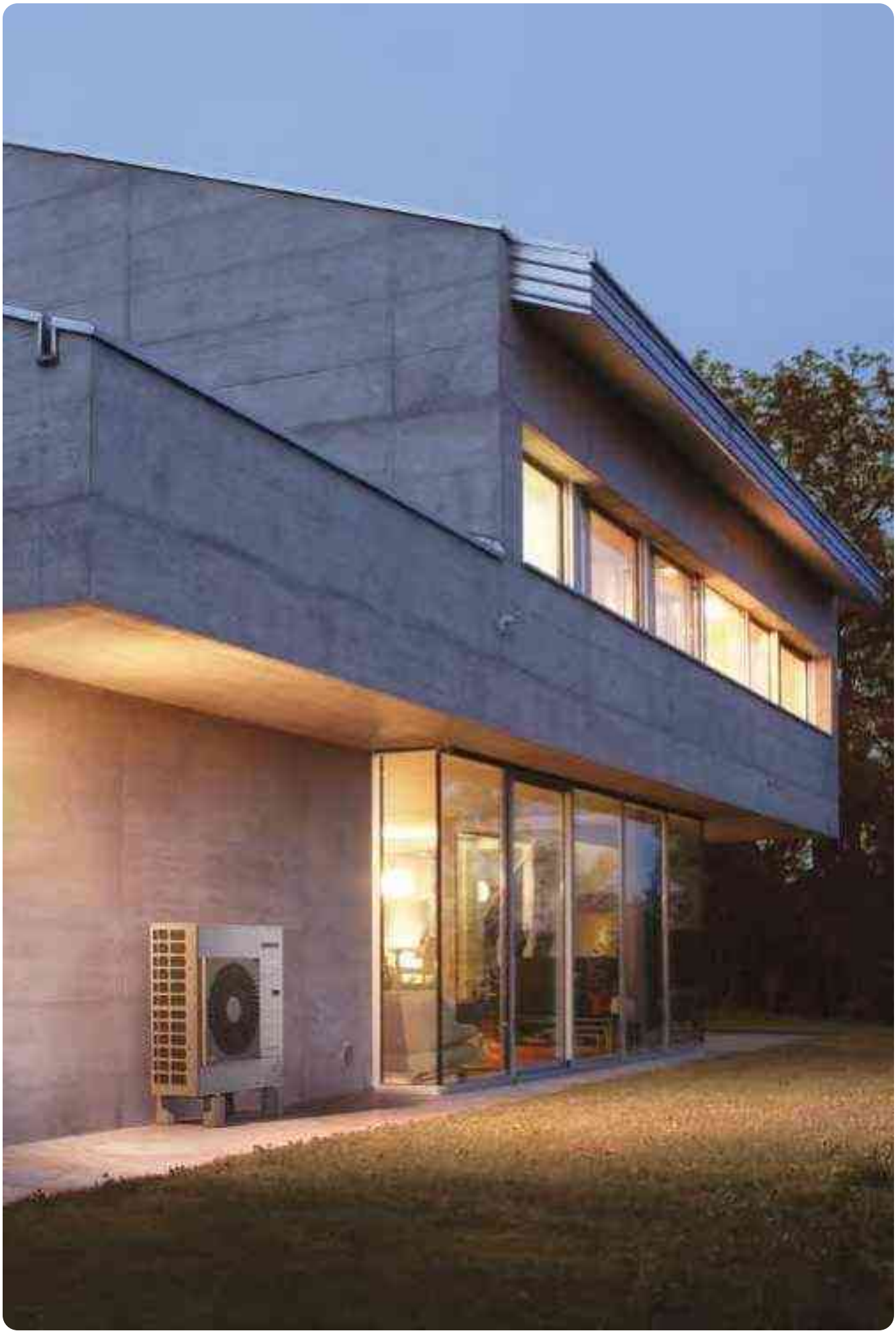
Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled simultaneously as one cycle within the same mode via one remote controller for up to four rooms. 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.





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360 cassette



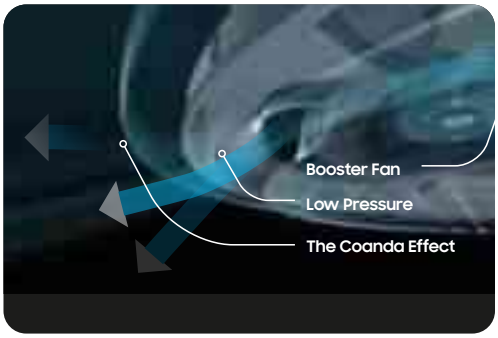


Airflow Control

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 airflow[1]. 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

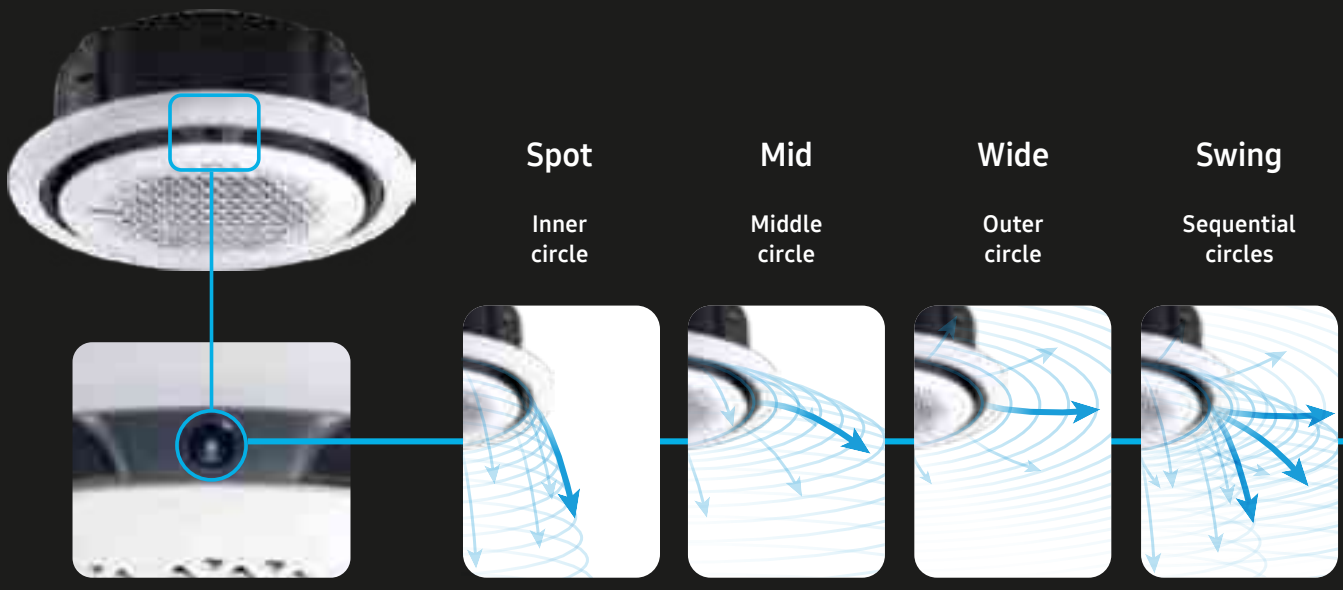
The 360 Cassette has an innovative circular design that enables it to match a multitude of interior designs, that adds a touch of style to any room. Its minimalistic and elegant styling can help to create a sophisticated and distinctive look in many different sites. With a circular panel, it can fit into a very tiny ceiling space of just 225 mm[1], 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.



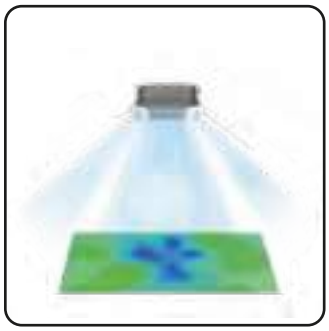
Samsung 360 Cassette

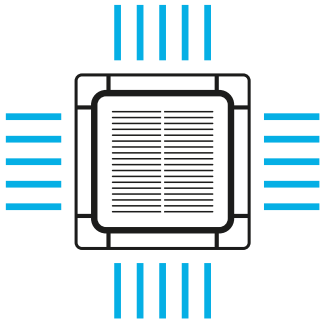
Circular airflow

Unlike traditional 4-Way Cassette units[1], which create areas of uneven airflow[2], 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 further[1].

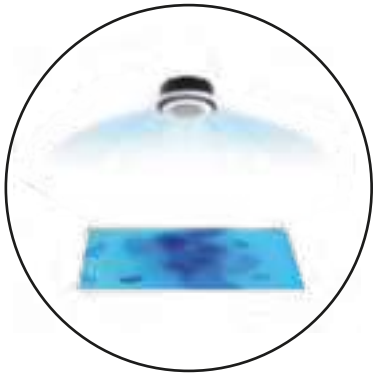
[1] Samsung testing compares the 360 Cassette to a conventional 4-Way Cassette type air conditioner.
[2] The temperature difference is less than 0.6 °C within a 9.3 m radius.
[3] No cold draft between 0–1.5 m in height (with a 14.0 kW indoor unit) within a 5 m radius.

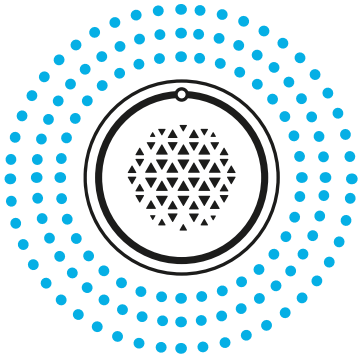
Conventional 4-Way Cassette



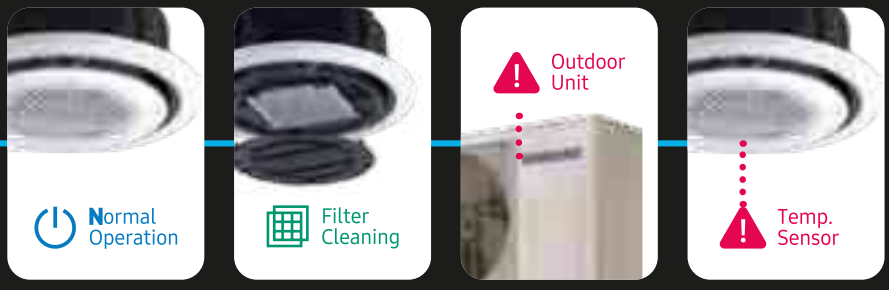


Samsung 360 Cassette





Operating	Filter	Error	Error
Ice Blue dot	Yellow Green dot	Blue dot (blinking)	Red dot (blinking)



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 bacteria[1] trapped by the filter using an electrostatic precipitator[1].

[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.

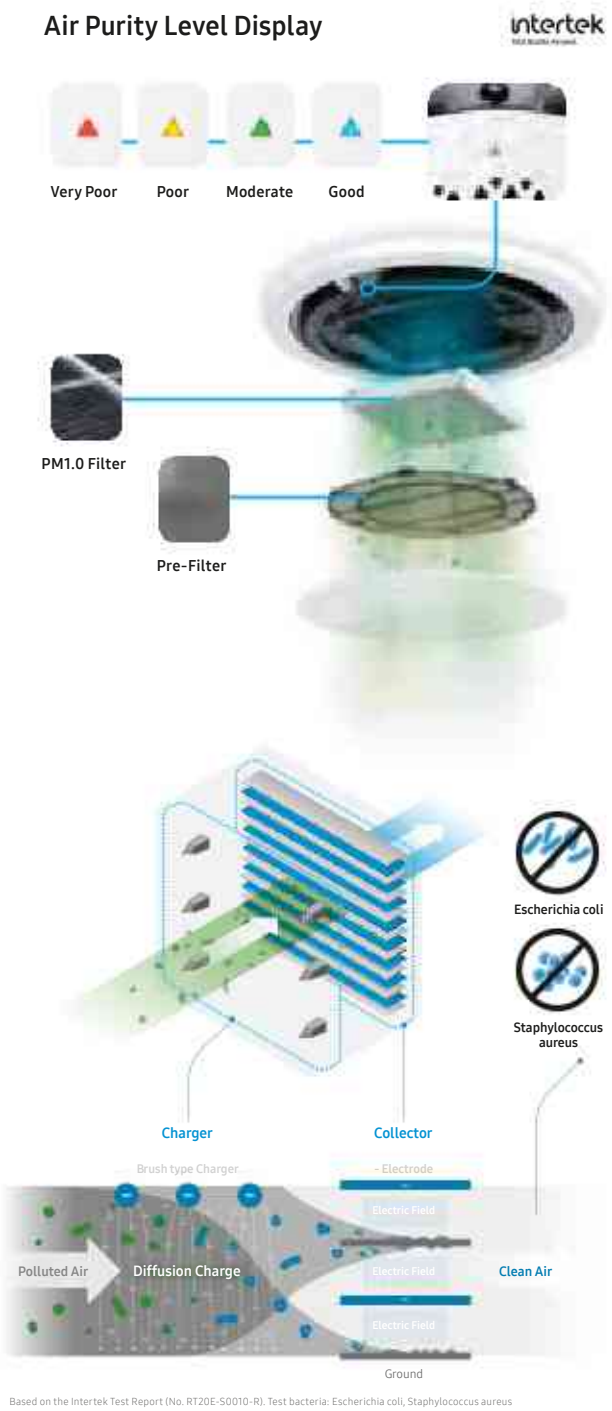
PM 1.0 Filter

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 precipitator[1]. It has two main parts that charge and collect dust and certain types of bacteria[1]. The brush discharger generates negative ions. And these give the dust particles and certain types of bacteria[1] 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 0.3µm size dust particles in a 30m2 indoor area with 10 minutes operation per hour. Tested on the AR13TYAAAWKNST model. Results may vary depending on environmental factors and individual use. It can only be set using SmartThings App.

Air Purity Level Display



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

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 metre[1] 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.





Specifications

360 Cassette R32

- 360° air supply.
- Bladeless discharge thanks to three small booster fans.
- Built-in condensation drain pump (750 mmH_2O).
- High ceiling mode for heights up to 4.6 m (12.8/14.0 kW), 3.9 m (11.2 kW), 3.5 m (4.5~9.0 kW).
- Circular or square cassette panel.
- Motion Detector Sensor is optional for square cassette panel.
- Optional PM1.0 panel.



			Indoor Unit	AC071RN4PKG/EU	AC100RN4PKG/EU	AC120RN4PKG/EU	AC140RN4PKG/EU
			Outdoor Unit - Mono-Phase	AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
			Outdoor Unit - Tri-Phase	-	AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU
Capacity							
	Cooling (Min/Nominal/Max)	kW		1.50/7.10/8.70	3.00/10.00/12.00	3.50/12.00/13.50	3.50/13.40/15.50
	Heating @ +7 °C (Min/Nominal/Max)	kW		1.90/8.00/9.00	2.20/11.20/15.50	3.50/13.20/15.50	3.50/15.50/18.00
	Heating @ -5 °C	kW		7.80	11.00	12.90	15.20
	Heating @ -15 °C	kW		7.00	9.70	11.50	13.50
Performance							
Energy Efficiency Cooling	SEER[1]	W/W		6.7/ A++	6.8/ A++	6.0/ A+	6.4
	Power Consumption	kWh/a		371	515	700	-
	Pdesignc	kW		7.1	10.0	12	13.4
	EER	W/W		2.60	3.08	2.69	2.81
Energy Efficiency Heating	SCOP[1]	W/W		4.2/ A+	4.3/ A+	4.0/ A+	4.1
	Power Consumption	kWh/a		1,500	1,726	2,275	-
	Pdesignh (average)	kW		4.5	5.3	6.5	8.4
	COP[1]	W/W		3.23	3.50	3.26	3.35
Airflow Rate	Indoor Unit (H/M/L)	m^3/min		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							
Refrigerant	Type			R32 (contains fluorinated greenhouse gases. GWP = 675)			
	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_2e		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	Included
	Max. Lifting Height/Displacement	mm / litres/h		750/24	750/24	750/24	750/24

Controls









Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-CH01E	MWR-SH00N	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	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

Accessories








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+++.

Specifications

CAC 360 Cassette HEE R32

- 360° air supply.
- Bladeless discharge thanks to three small booster fans.
- Built-in condensation drain pump (750 mmH_2O).
- 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
- Compatible with SmartThings ready panels
- 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

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



		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_2e	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		PC6EUSMANW PC6NBSMANW PC6NUSMANW PC6EBSMANW	PC6EUSMANW PC6NBSMANW PC6NUSMANW PC6EBSMANW	PC6EUSMANW PC6NBSMANW PC6NUSMANW PC6EBSMANW	PC6EUSMANW PC6NBSMANW PC6NUSMANW PC6EBSMANW	PC6EUSMANW PC6NBSMANW PC6NUSMANW PC6EBSMANW
	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

Controls and Accessories









Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller	DMS 2.5
AR-CH01E	MWR-SH00N	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	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
PC6NUSMANW	PC6EUSMANW	PC6NBSMANW	PC6EBSMANW	PC6EUXMANW	PC6EUCMANW

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

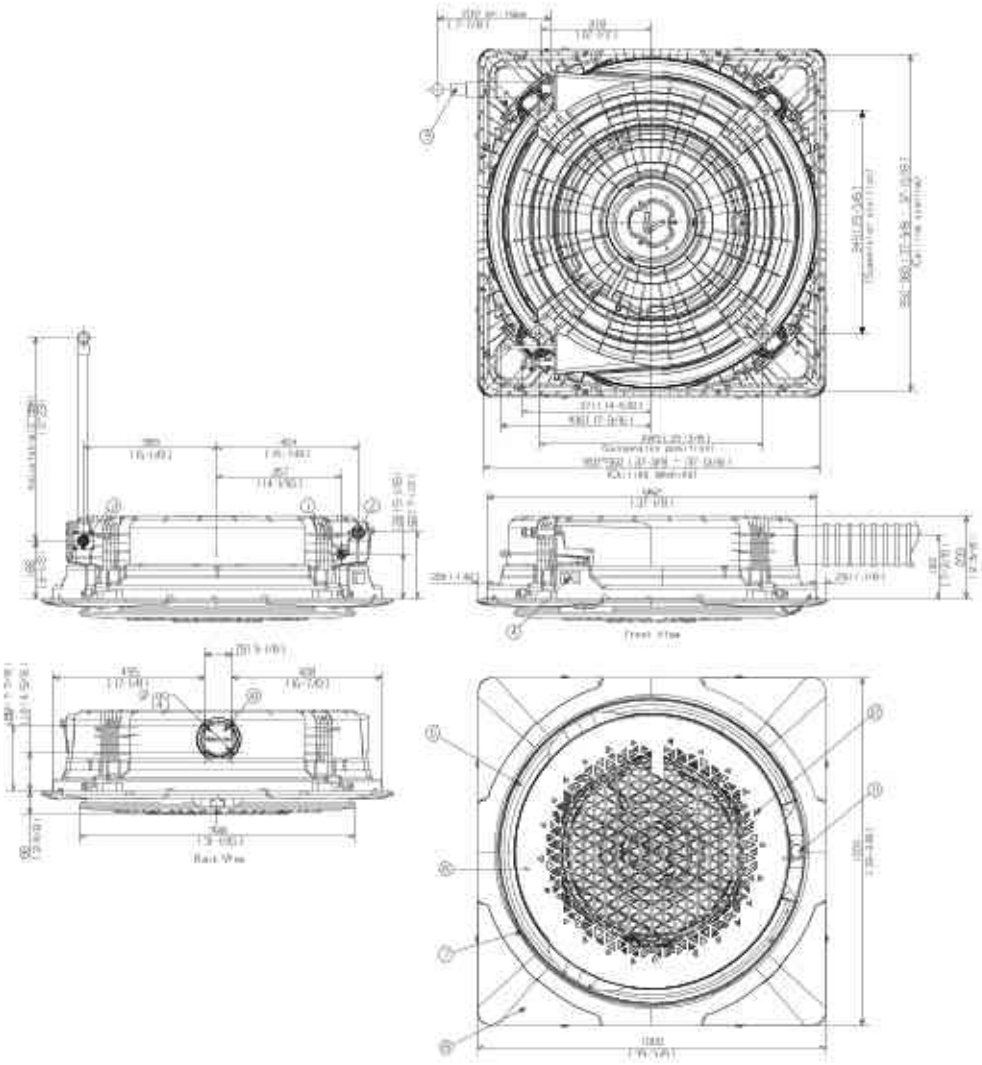




Dimensional drawings

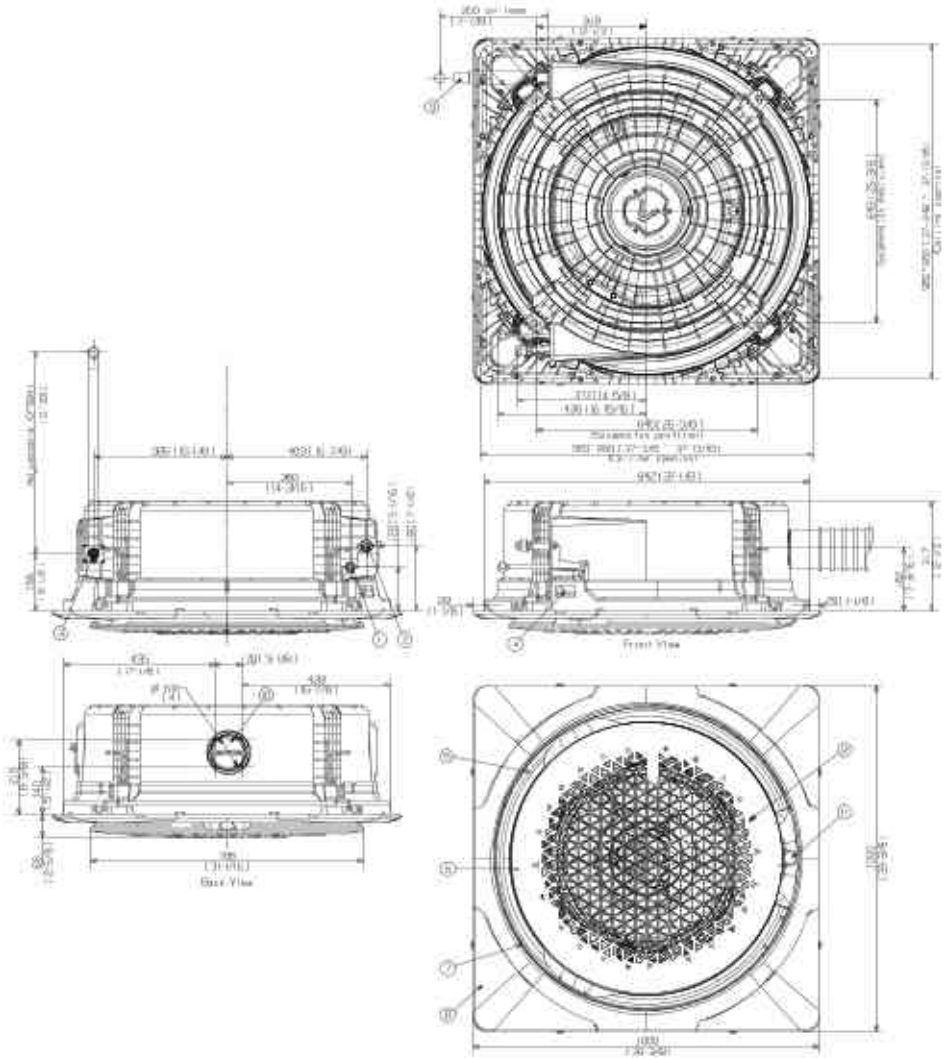
360 Cassette (square) R32

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 **Units: mm [inches]**

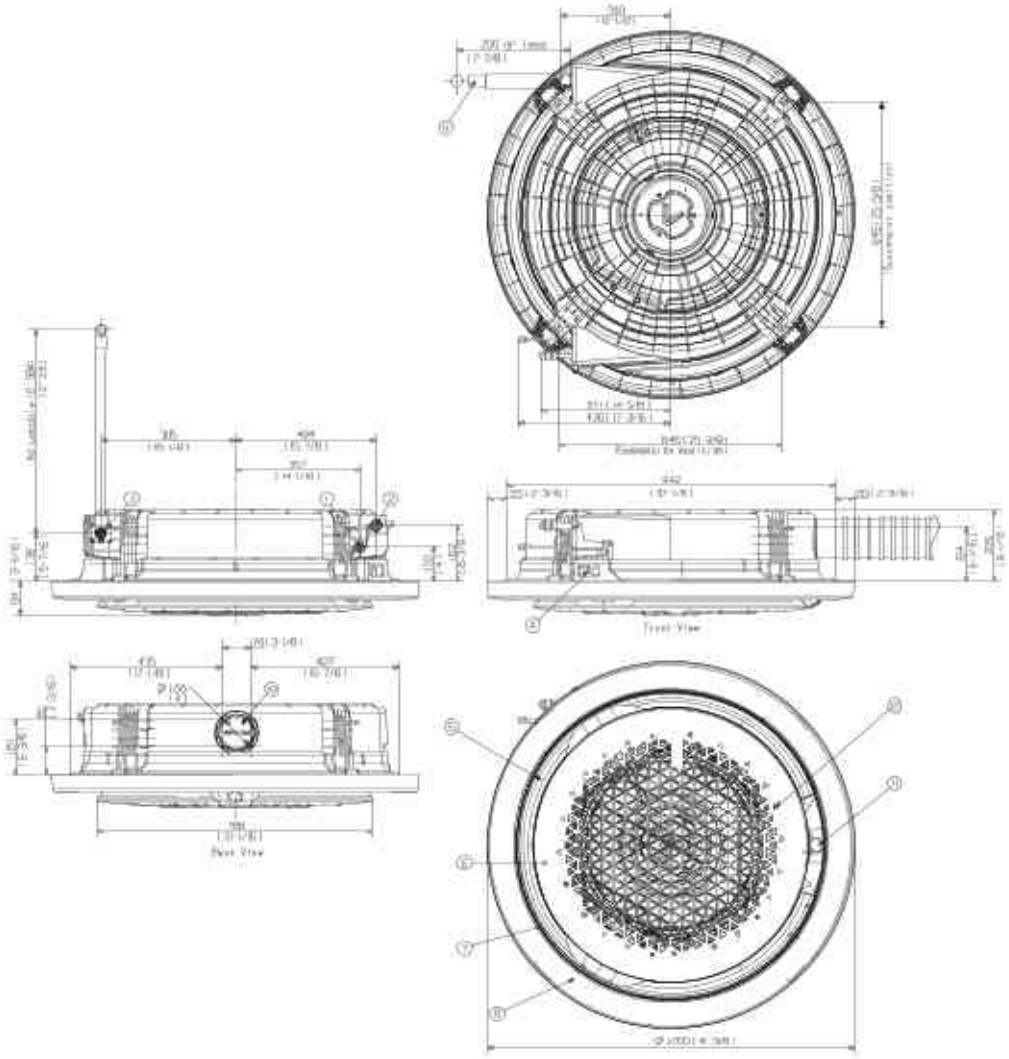


NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external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

Dimensional drawings

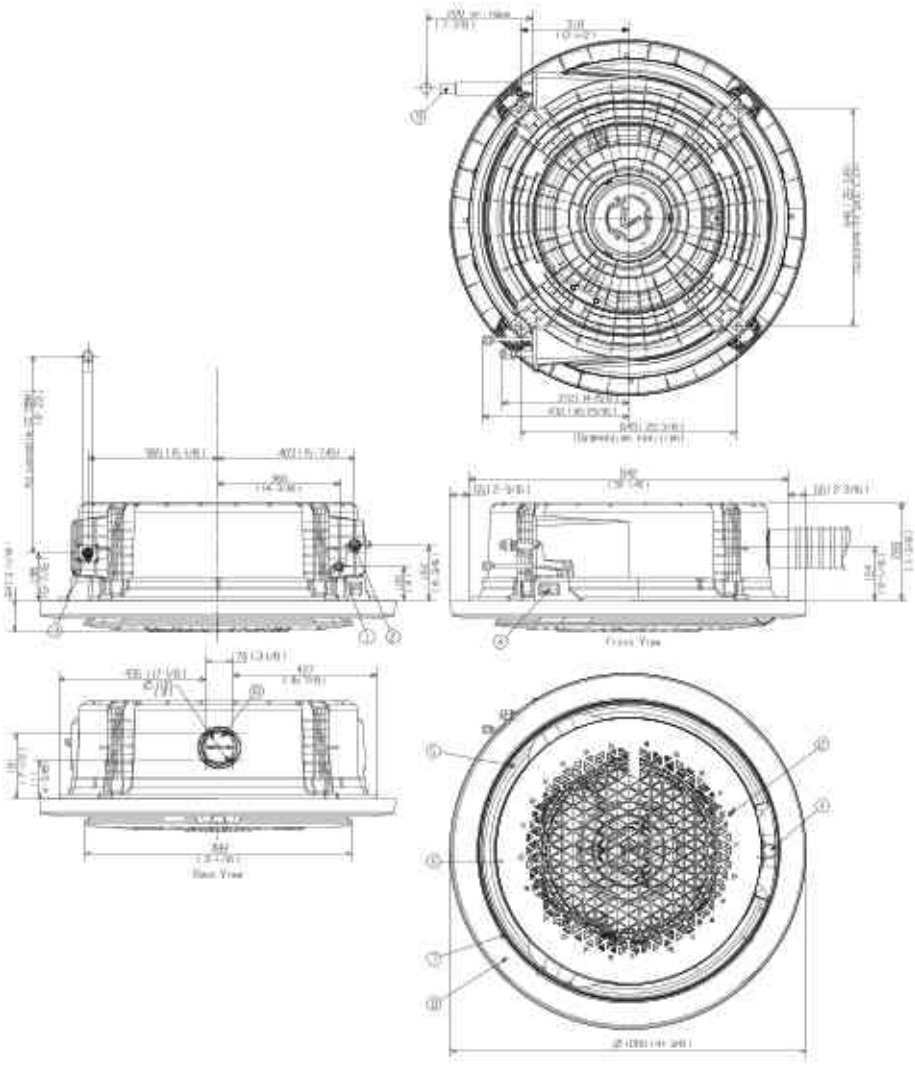
360 Cassette (circle) R32

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]**

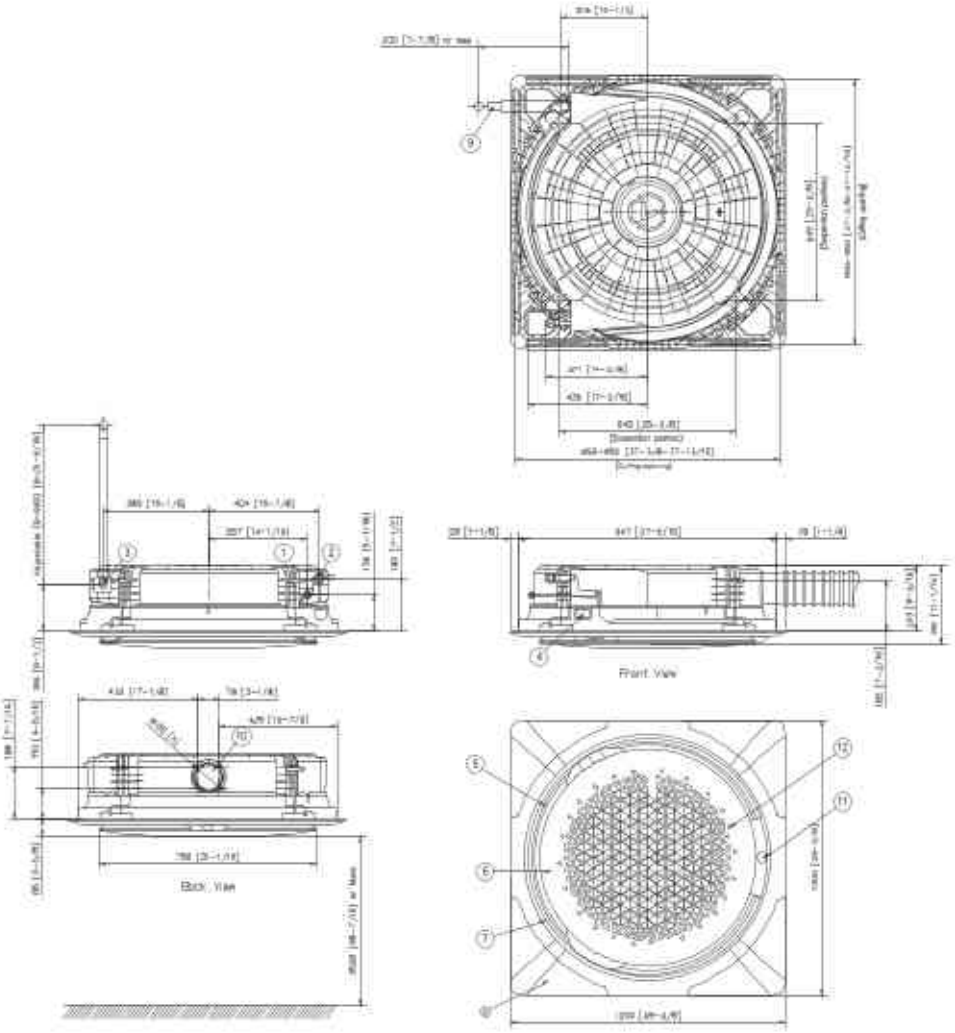


NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external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

Specifications

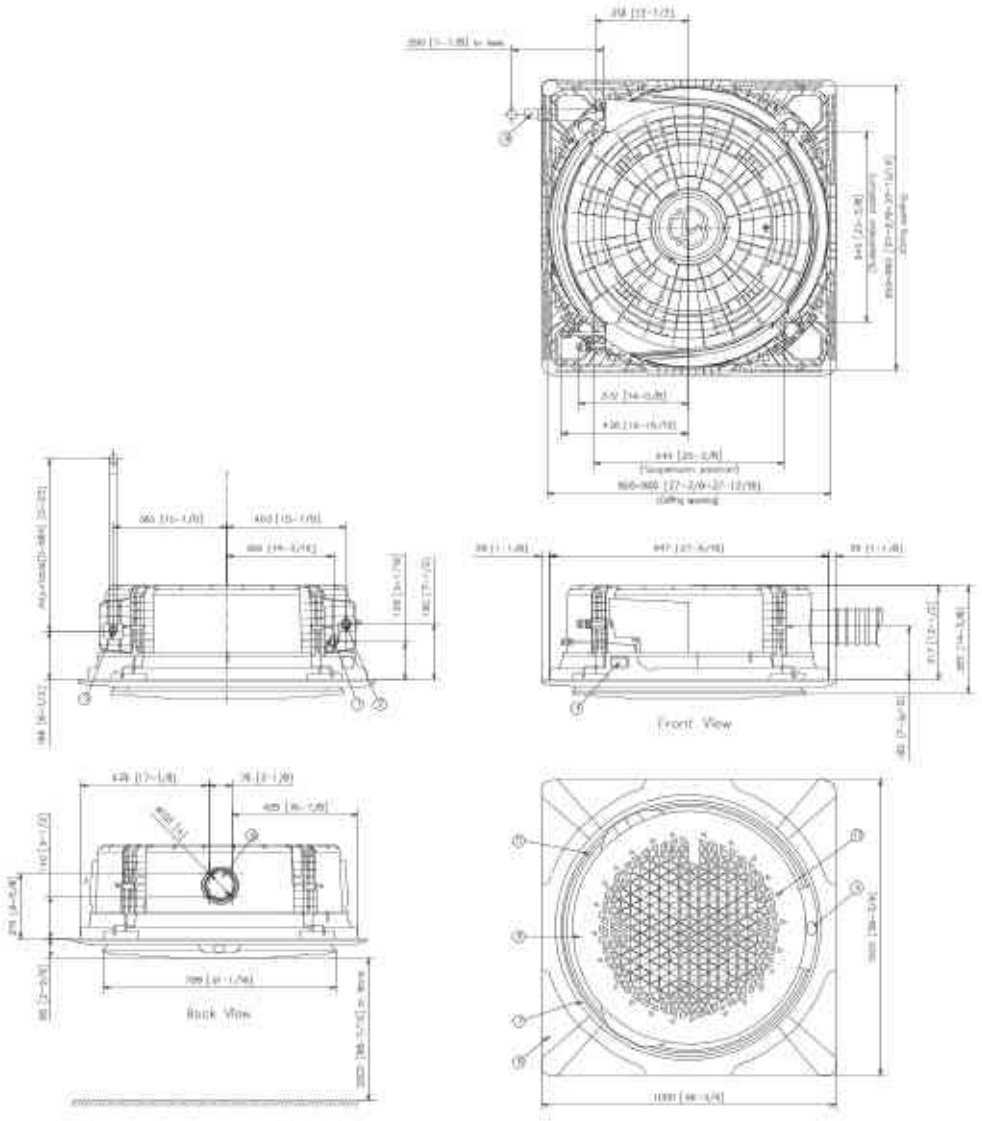
360 Cassette (square) HEE R32

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]**

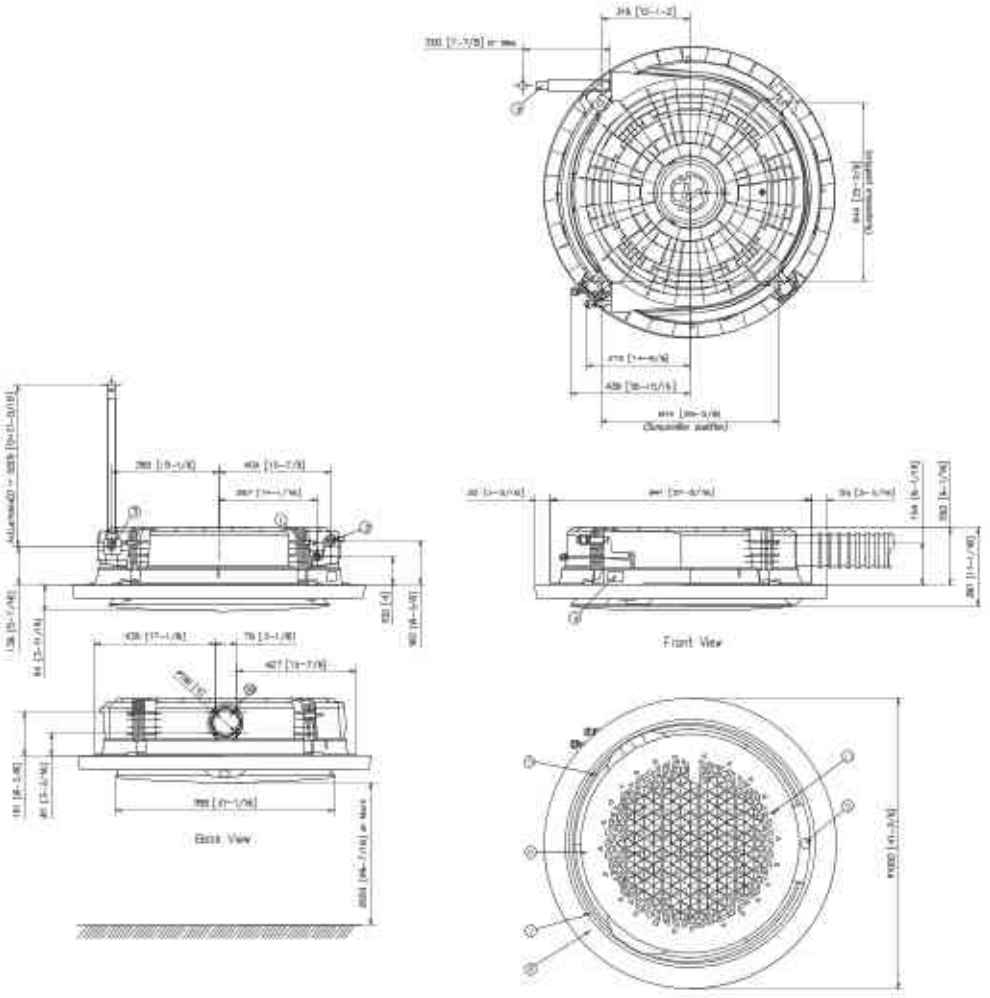


NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Discharge opening	
6	Air suction grille	
7	Suction rim for Booster fan	
8	Decoration cover	
9	Drain hose(Accessory)	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

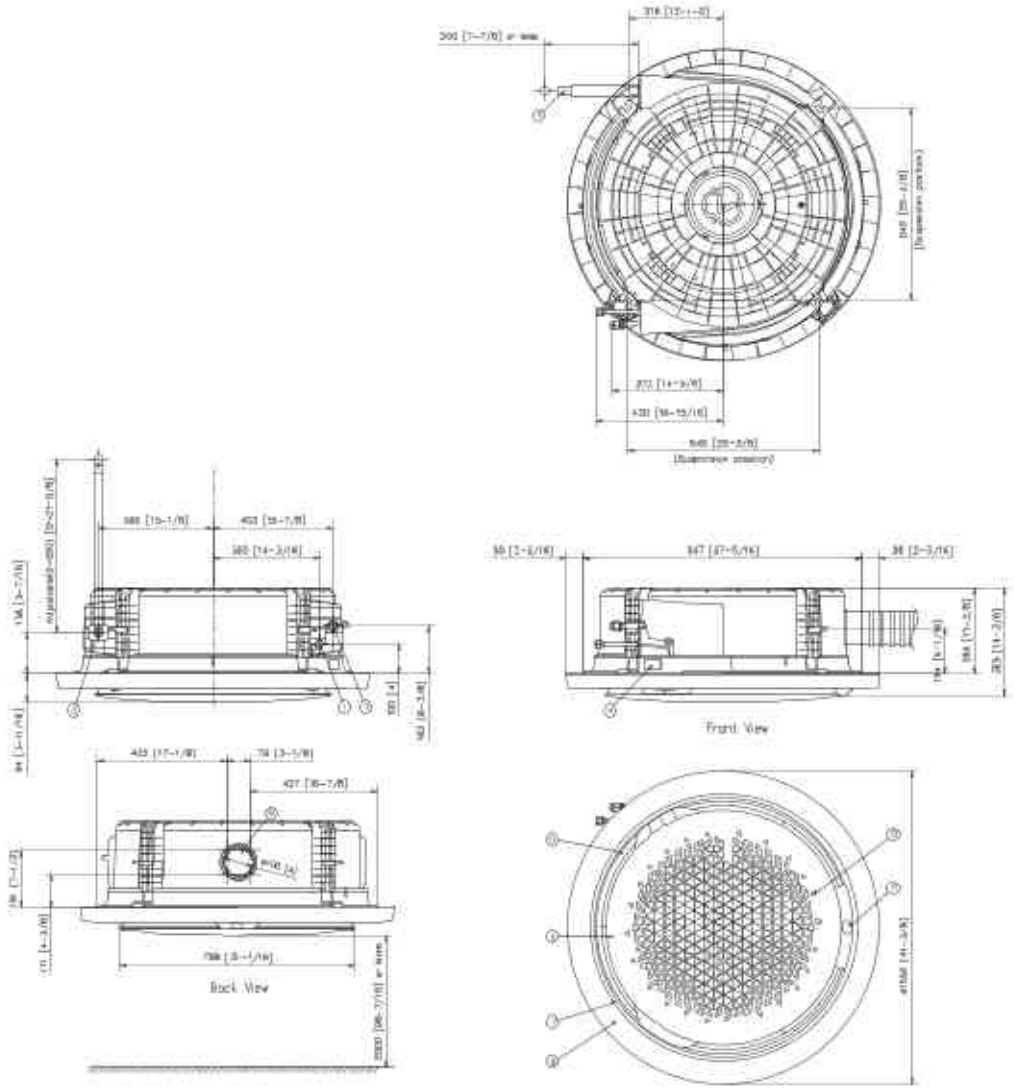
Dimensional drawings

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	
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9	Drain hose(Accessory)	
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NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
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10	Fresh air intake knockout hole	Use M4 Screw
11	Display window	
12	Remote controller receiver	

WindFree™ 4-Way Cassette



WindFree™ Technology

The WindFree™ 4-Way Cassette directs air through 15,700 microholes 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.

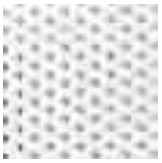
[1] ASHRAE (American Society of Heating, Refrigeration, and Air-Conditioning Engineers) defines “Still Air” as air currents at speeds below 0.15 m/s which lacks the presence of cold drafts.

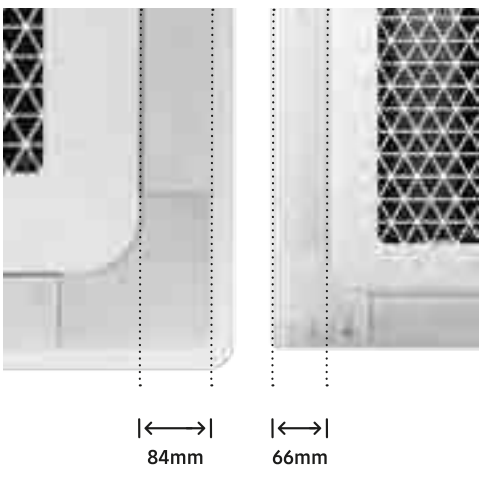
WindFree™
4-Way Cassette

15,700 micro-holes

WindFree™
4-Way 600 x 600 Cassette

9,000 micro-holes





Optimised blades

The larger optimised blades[1] (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

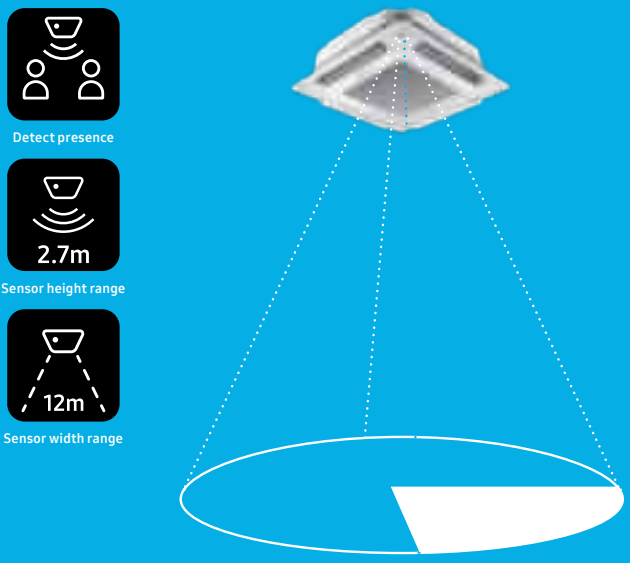
If room reaches comfort zone



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.



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 metre[1] 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.



Not all features are available for all models.

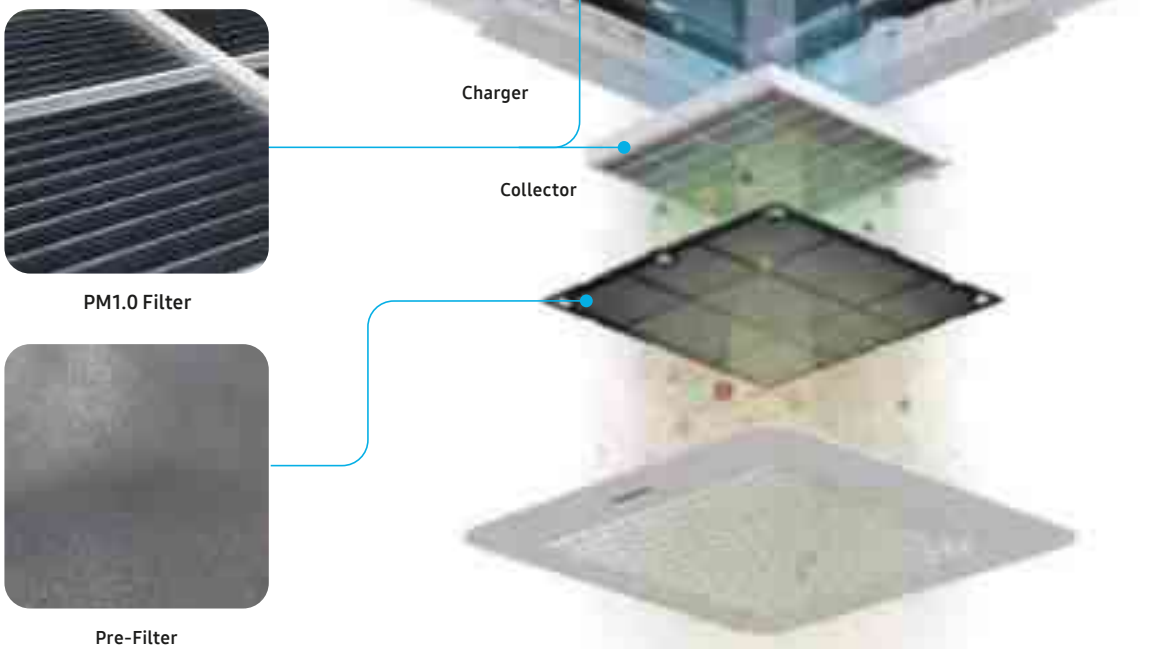
WindFree™ 4-Way Cassette

Air Purification Panel

The Air Purification Panels in the WindFree™ 4-Way Cassette contain two types of filters to enhance the mitigation of 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 Filter[1] 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[1]. The brush discharger generates negative ions. And these give certain dust particles and bacteria[1] 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.

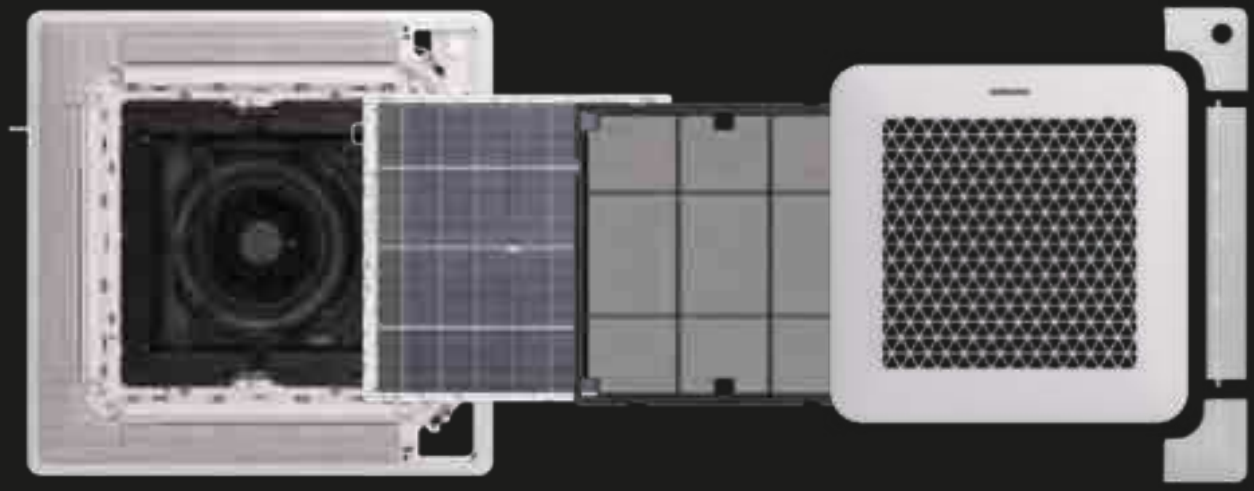
intertek
Total Quality. Assured.



[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.



Blade & Panels | PM1.0 Filter | Pre- Filter | Grille



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.

Back to table of contents

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 mmH_2O).
- 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++	6.1/ 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_2e**	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

Controls and Accessories









Wireless Remote Controller	Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-CH01E	AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	MCM-A300BN








DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Modbus Module	Wi-Fi Kit	External Thermostat
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-B19N	MIM-H04EN	MRW-TA




Motion Detect Sensor	Panel (Mandatory)
MCR-SMD	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+++.

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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 mmH_2O).
- Compatible with SmartThings ready panels
- 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_2e**		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	30
Piping Connections	**Drain Pipe**	**ø, mm**		VP 25 (OD32, ID25)	VP 25 (OD32, ID25)	VP 25 (OD32, ID25)
Others						
Panel	**Model Code**			PC4SUFMANW	PC4SUFMANW	PC4SUFMANW
	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

Controls and Accessories









Wireless Remote Controller	Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-CH01E	AR-EH04E	MWR-SH00N	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	MCM-A300BN








DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	Single Wifi-Kit	External Thermostat
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MIM-H14EN	MRW-TA




Motion Detect Sensor	Panel (Mandatory)
MCR-SMD	PC4SUFMANW

[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

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 mmH_2O).
- 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_2e	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

Controls and Accessories









Wireless Remote Controller	Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-CH01E	AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	MCM-A300BN








DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Modbus Module	Wi-Fi Kit	Panel (Mandatory)
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-B19N	MIM-H04EN	PC4NUFMAN






Air Purification Panel	Auto Elevation Panel	Motion Detect Sensor	External Thermostat
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+++.

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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).
- Compatible with SmartThings ready panels
- Built-in condensation drain pump (750 mmH_2O).
- 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++	8.0/ A++
	Power Consumption	kWh/a		206	292	438	-	-
	Pdesignc	kW		5.0	7.1	10	12.1	13.4
	EER	W/W		4.31	4.33	4.26	4.28	4.06
Energy Efficiency Heating	SCOP[1]	W/W		4.9/ A++	4.8/ A++	4.8/ A++	4.7/ A+	4.7/ A+
	Power Consumption	kWh/a		1171	1604	2479	-	-
	Pdesignh (average)	kW		4.1	5.5	8.5	9.5	9.5
	COP[1]	W/W		4.38	4.52	4.44	4.13	3.97
Airflow Rate	Indoor Unit (H/M/L)	m³/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_2e	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		PC4NUFMANW PC4NBFMANW	PC4NUFMANW PC4NBFMANW	PC4NUFMANW PC4NBFMANW	PC4NUFMANW PC4NBFMANW	PC4NUFMANW PC4NBFMANW
	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

Controls and Accessories









Wireless Remote Controller	Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-CH01E	AR-EH04E	MWR-SH00N	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	MCM-A300BN








DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	Single Wifi-Kit	Panel (Mandatory)
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MIM-H14EN	PC4NUFMANW







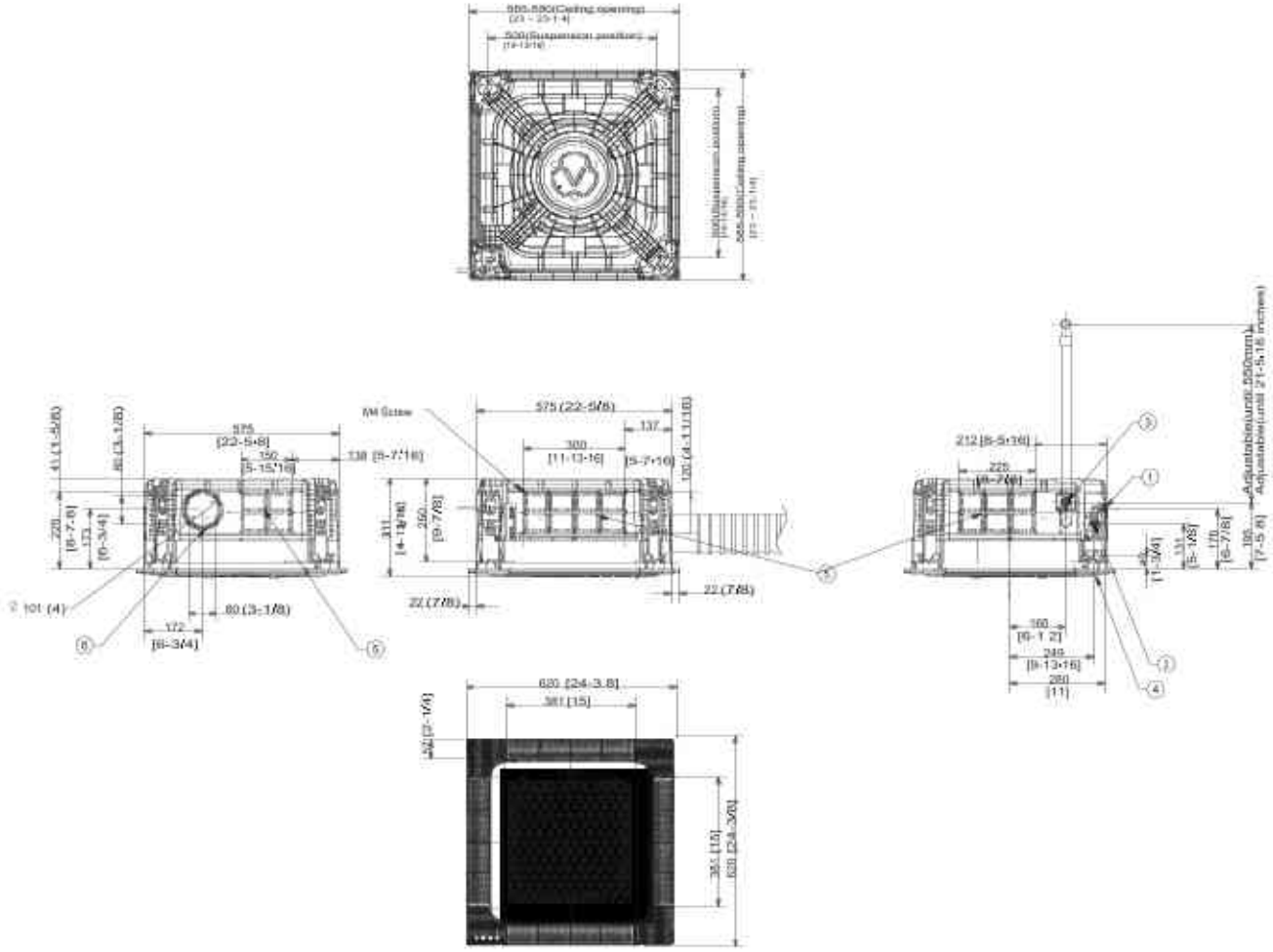

Panel (Mandatory)	Air Purification Panel	Auto Elevation Panel	Motion Detect Sensor	External Thermostat
PC4NBFMANW	PC4NUCMANW	PC4NUXMANW	MCR-SMC	MRW-TA

[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 600 x 600 Cassette R32

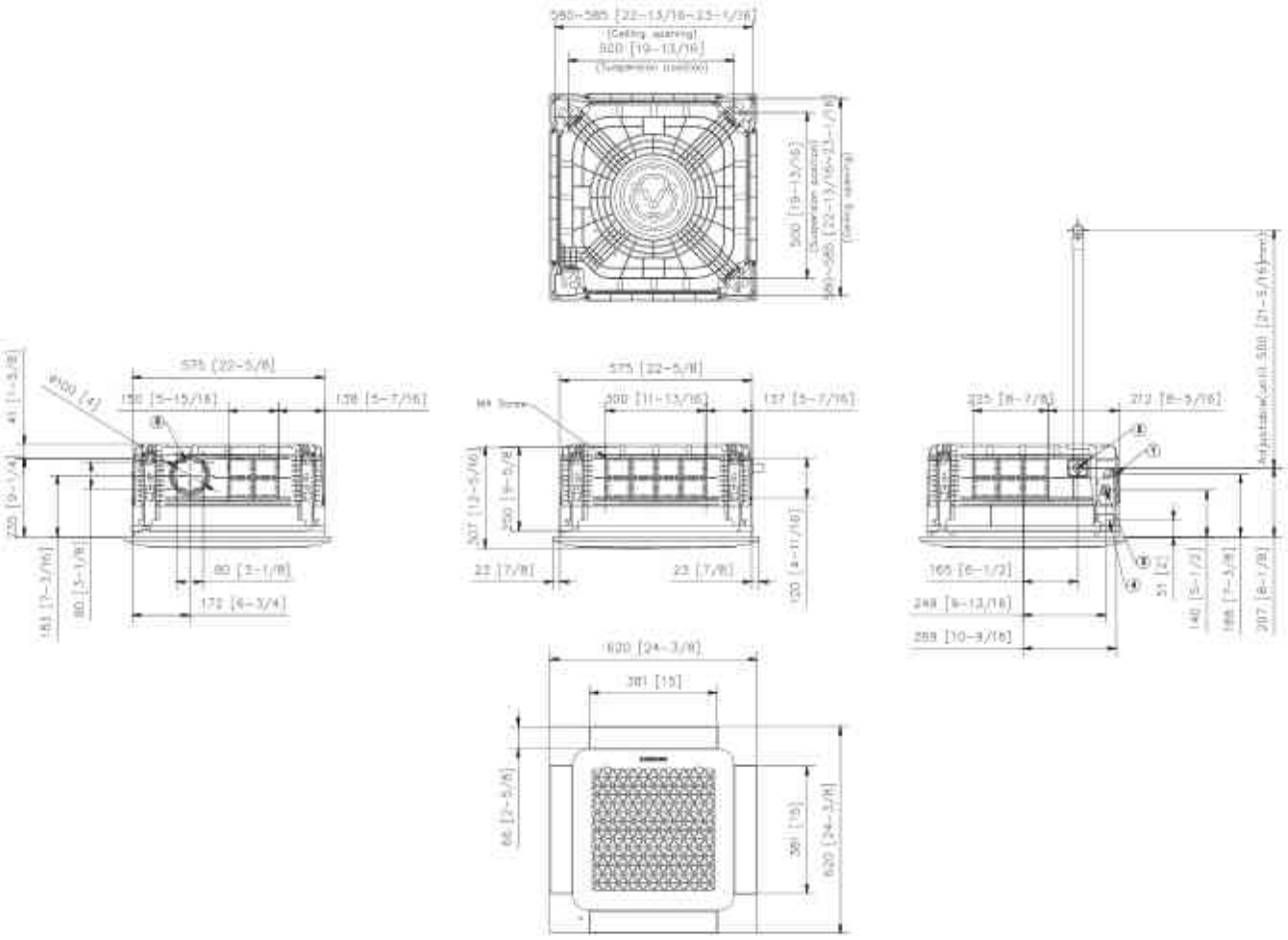
AC026/035/052/060/071*NNDK*/EU | Units: mm [inches]



Dimensional drawings

WindFree™ 4-Way 600 x 600 Cassette HEE R32

AC026/035/052BNNPKG/EU | Units: mm [inches]



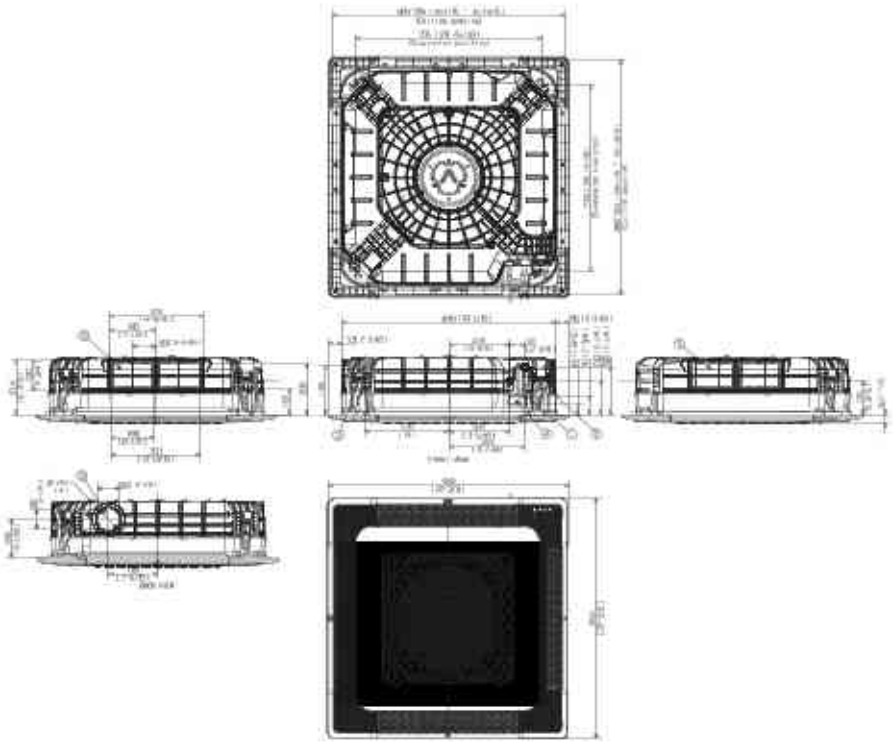




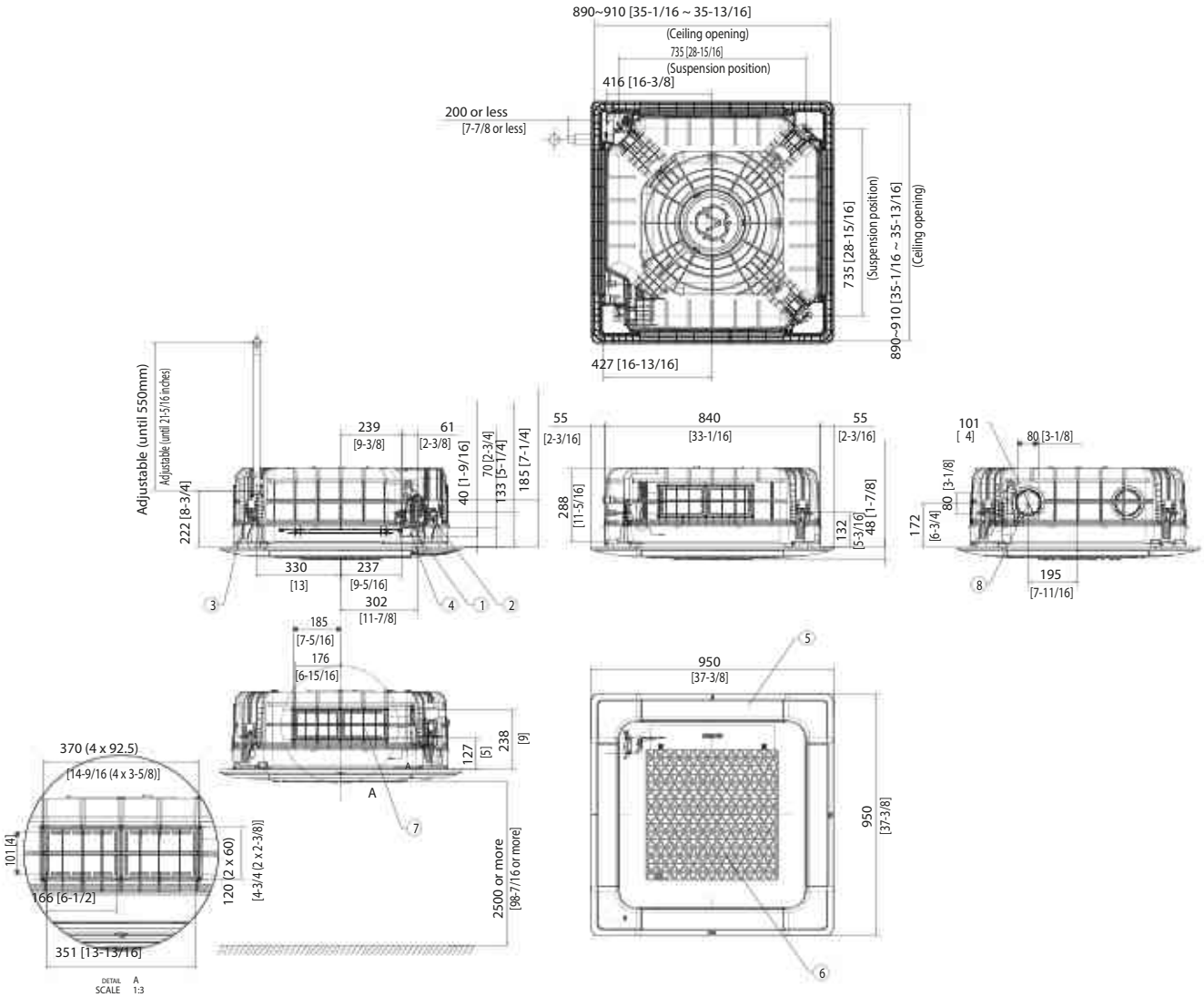
Dimensional drawings

WindFree™ 4-Way Cassette R32

AC052RN4DKG/EU | Units: mm [inches]



AC052RN4DKG/EU; AC071RN4DKG/EU **Units: mm [inches]**

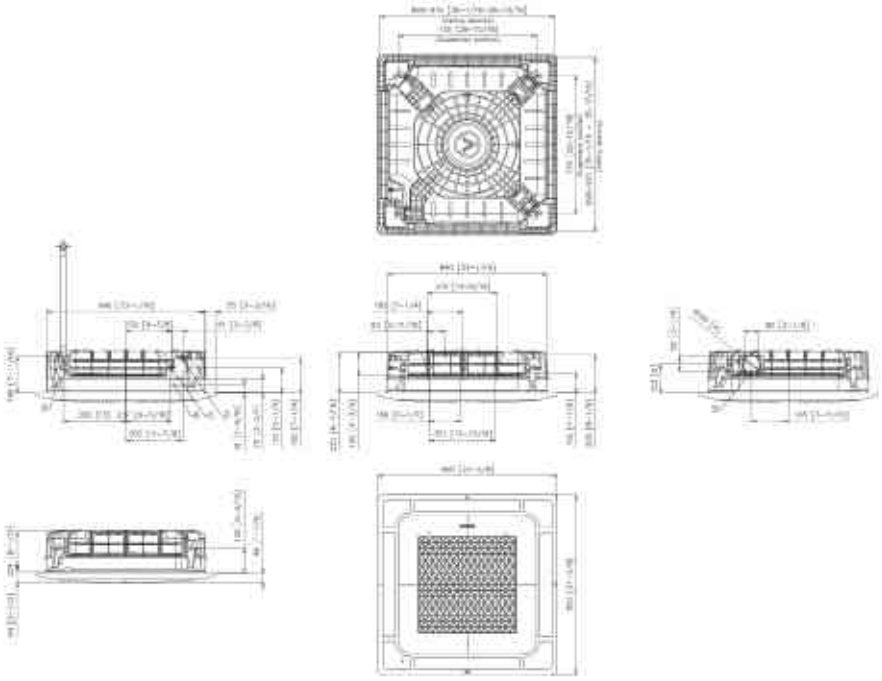


NO	Name	Description
1	Gas pipe connection	
2	Liquid pipe connection	
3	Drain pipe connection	VP25(OD32, ID25)
4	Conduit for power supply & communication wiring	
5	Air inlet grille	
6	Air outlet louver	
7	Sub-duct	* The sub duct is not applicable to Wind-Free Panel
8	Fresh air intake	

Dimensional drawings

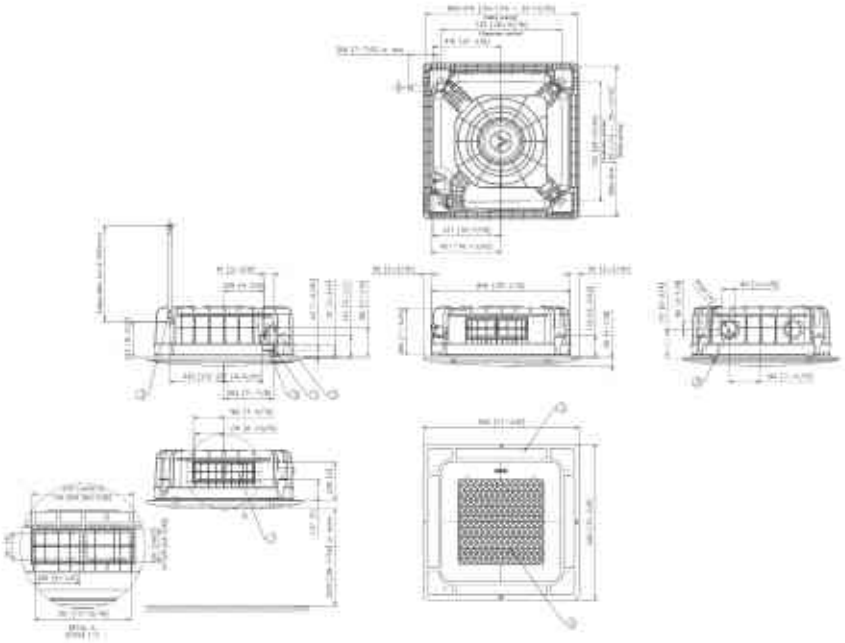
WindFree™ 4-Way Cassette HEE R32

AC052BN4PKG/EU	Units: mm [inches]



NO	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connectionn	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]**



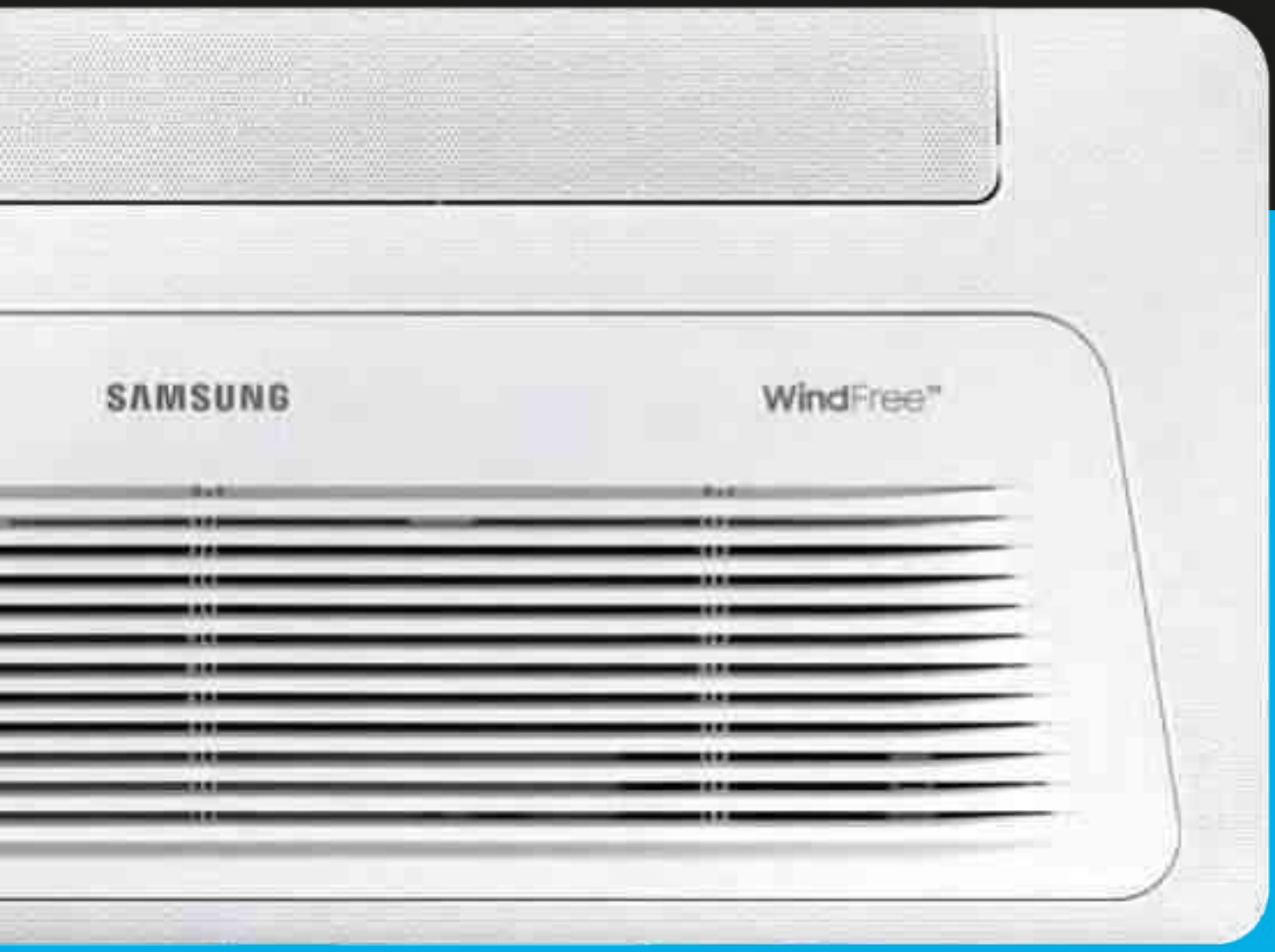
NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connectionn	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/communication wiring conduits	
5	Air Outlet Louver	
6	Air Inlet Grille	
7	Sub - duct	* The sub duct is not applicabel to the Wind-free panel
8	Fresh air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

WindFree™ 1-Way Cassette

WindFree™ Technology

The WindFree™ 1-Way Cassette uses WindFree™ Cooling and directs air through tiny holes in the panel, dispersing a gentle flow of air. These 13,000 micro-holes are essential for creating a type of airflow called "Still Air"[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.

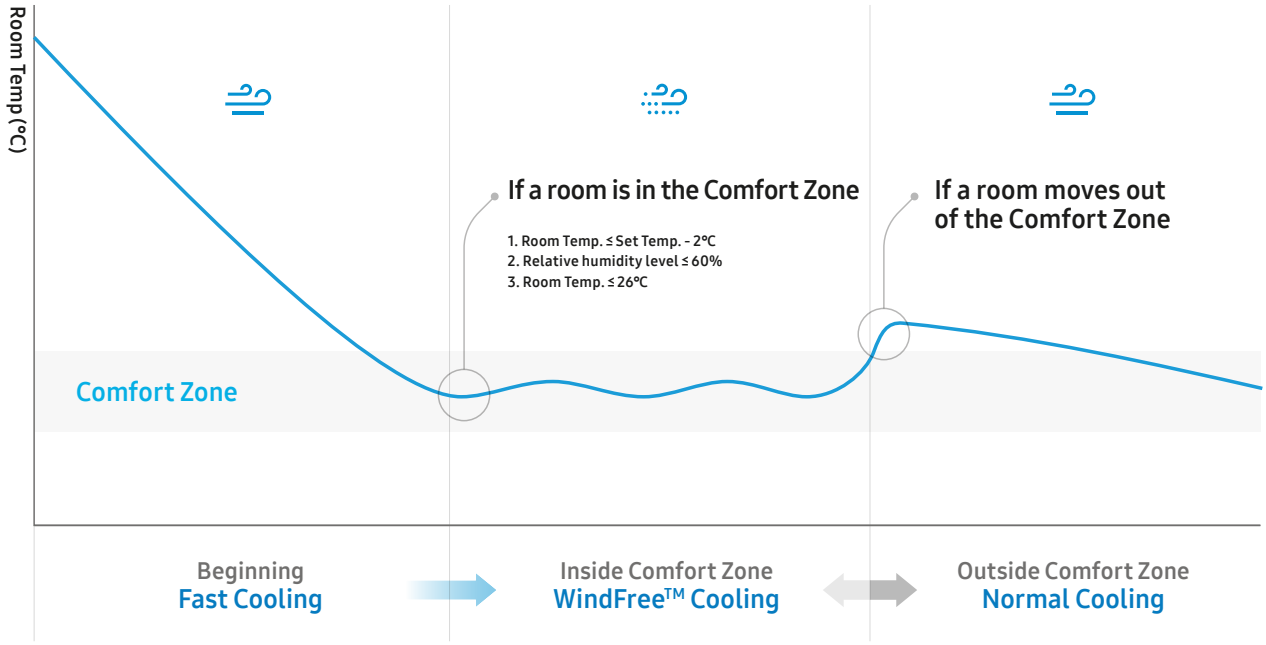




Slim installation

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

[1] 135 mm is the height of the unit until the ceiling tile. 145 mm is the height including the ceiling tile. Up to 3.6 kW (DVM) models measures 135 mm (180 mm including panel).



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 humidity[1] 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.
For more product features, refer to the following pages: WindFree™ 1-Way Cassette: pages 128-131

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 mmH_2O).
- 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_2e**		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

Controls and Accessories









Wireless Remote Controller	Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
AR-CH01E	AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	MCM-A300BN








DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller	Wi-Fi Kit	External Thermostat	Panel (Mandatory)
MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN	MIM-H04EN	MRW-TA	PC1NWFMAN



Air Purification Panel
PC1NWCMAN

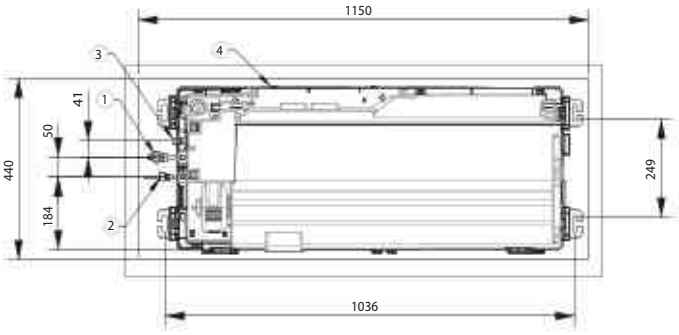
[1] Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

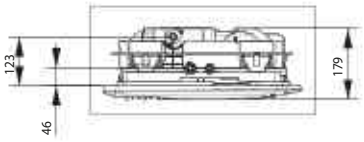
Back to table of contents

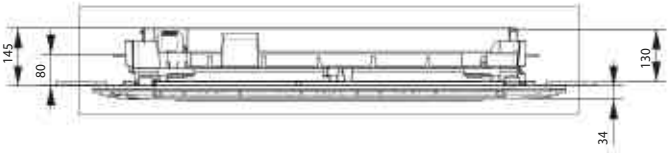
Dimensional drawings

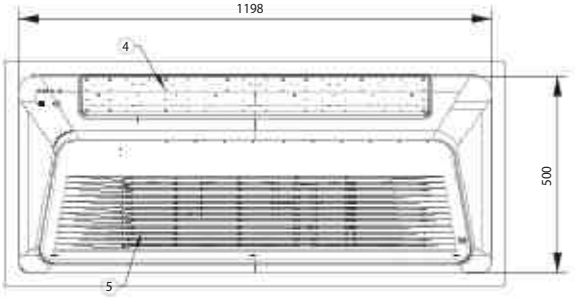
WindFree™ 1-Way Cassette R32

AC026/035MN1DKH/EU | Units: mm [inches]









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


129C

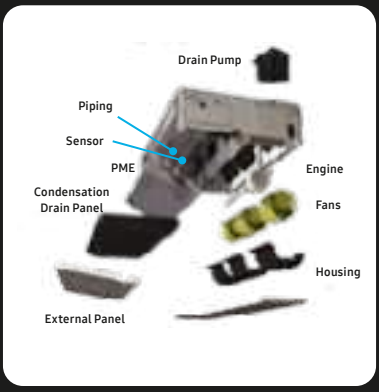
LSP and MSP Duct

Easy installation and servicing

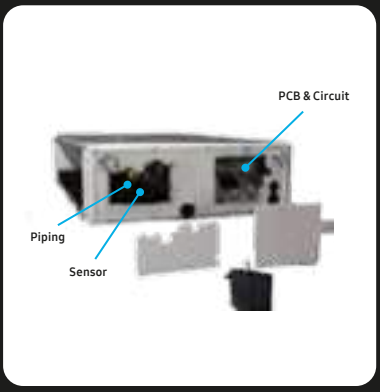
Thanks to their ultra-compact design, Samsung duct units can be placed almost anywhere and can even be split into two parts (20/25 kW models). This makes for easy installation and maintenance. The indoor unit can be accessed from three directions: from the top, bottom and the side, making maintenance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



Accessible from top



Accessible from bottom



Accessible from side





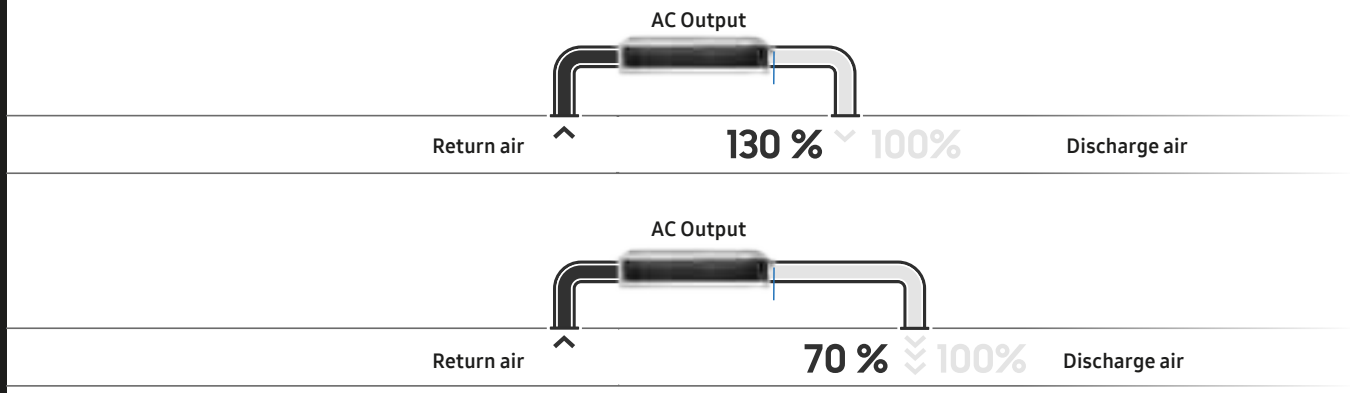
Indoor discharge temperature

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.

MSP Duct with 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.

*Only applies to MSP Duct





Not all features are available for all models.

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.



Airzone Think
Thermostat



Airzone Lite
Thermostat



[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

Airzone[5] compatible models

Samsung Model Code	Detail	Dimensions (W×H×D)	3 Port	4 Port	5 Port	6 Port	8 Port
AJ026TNLPEG/EU	LSP Duct 2.5kW	700×199×440	AZEZ8SAMSL03S3	AZEZ8SAMSL04M4	AZEZ8SAMSL04M5		
AJ035TNLPEG/EU	LSP Duct 3.5kW	700×199×440	AZEZ8SAMSL03S3	AZEZ8SAMSL04M4	AZEZ8SAMSL04M5		
AJ052BNMDEG/EU	MSP Duct 5.2kW	900x199x440	AZEZ8SAMBS04S3	AZEZ8SAMBS04S3			
AC026BNLDKG/EU	LSP Duct 2.6kW	700×199×600	AZEZ8SAMBS04S3	AZEZ8SAMSL07M4			
AC035BNLDKG/EU	LSP Duct 3.5kW	700×199×600	AZEZ8SAMBS04S3	AZEZ8SAMSL07M4			
AC052BNLDKG/EU	LSP Duct 5.2kW	1100×200×450		AZEZ8SAMBS04M4	AZEZ8SAMSL07L5		
AC071BNLDKG/EU	LSP Duct 7.1kW	1100×200×450		AZEZ8SAMBS04M4	AZEZ8SAMSL07L5		
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

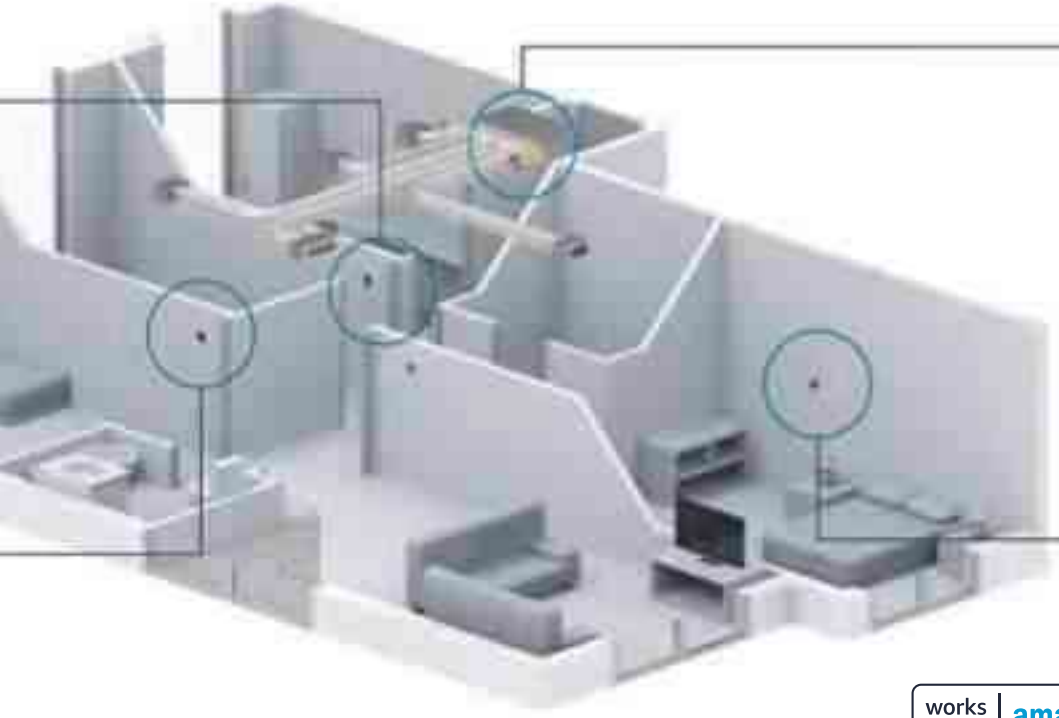
[5] Airzone is a third party and not part of Samsung. Airzone Plenum with damper, wired & wireless thermostats and gateway, can be purchased directly from Airzone website: https://www.airzonecontrol.com/ or contacting the Airzone sales team at marketing@airzonecontrol.com



Airzone Cloud
Webserver



Easyzone motorized
plenum





Airzone Blueface
Thermostat

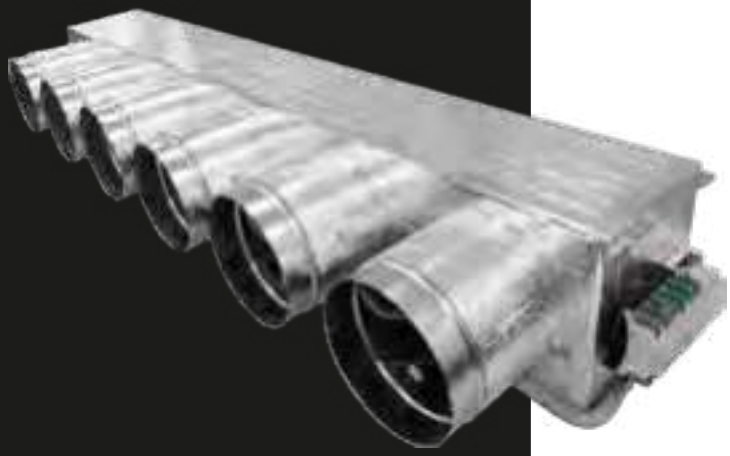
works with amazon alexa

works with Hey Google

KoolNova

Duct Zoning Solution

KoolNova is offering a multiple zoning control solution, which can be easily connected to Samsung duct systems. This solution offers the possibility to control the temperature of each zone or room separately and is supporting individual climate control of up to 8 zones. The KoolNova duct plenum is provided with motorized valves, which determine the airflow to each room to meet the setpoint temperature. KOOLNOVA solutions include wifi connectivity as standard for remote management by APP.





Each damper on the KoolNova duct plenum is controller by an room controller. KoolNova is offering three different kinds of controllers for their zone solutions. You can choose for a compact smart controller with extensive options that meets all the customer's needs.

The customer can also choose for a Wired or Radio Eternal Thermostat, which has a bigger screen more options as a time schedule, and it can control up to 8 zones.



KOOLNOVA



KoolNova* compatible models

Samsung Model Code	Detail	Dimensions (W×H×D)	2 Port	3 Port	4 Port	5 Port	6 Port	7 Port	8 Port
AJ026TNLDEG/EU	LSP Duct 2.5kW	700×199×440	100-KSGC10E012	100-KSGC10E013	100-KSGC10E014				
AJ035TNLDEG/EU	LSP Duct 3.5kW	700×199×440	100-KSGC10E012	100-KSGC10E013	100-KSGC10E014				
AJ026TNLPEG/EU	LSP Duct 2.5kW	700×199×440	100-KSGC10E012	100-KSGC10E013	100-KSGC10E014				
AJ035TNLPEG/EU	LSP Duct 3.5kW	700×199×440	100-KSGC10E012	100-KSGC10E013	100-KSGC10E014				
AC035RNMDKG/EU	MSP Duct 3.5kW	850×250×700	100-KLGC10D012	100-KLGC10D013	100-KLGC10D014	100-KLGC10D015	100-KLGC10D016		
AC052RNMDKG/EU	MSP Duct 5.2kW	850×250×700	100-KLGC10D012	100-KLGC10D013	100-KLGC10D014	100-KLGC10D015	100-KLGC10D016		
AC071RNMDKG/EU	MSP Duct 7.1kW	850×250×700	100-KLGC10D012	100-KLGC10D013	100-KLGC10D014	100-KLGC10D015	100-KLGC10D016		
AC100RNMDKG/EU	MSP Duct 10kW	1200×250×700			100-KLGC10D024	100-KLGC10D025	100-KLGC10D026	100-KLGC10D027T	100-KLGC10D028T
AC120RNMDKG/EU	MSP Duct 12kW	1300×300×700				100-KEGC10D035	100-KEGC10D036	100-KEGC10D037T	100-KEGC10D038T
AC140RNMDKG/EU	MSP Duct 14kW	1300×300×700				100-KEGC10D035	100-KEGC10D036	100-KEGC10D037T	100-KEGC10D038T

Communication gateway for all models: 100-GTCSA2

* KoolNova KoolAir Plenum with damper, wired & wireless thermostats and gateway, can be purchased directly from KoolNova website: https://www.koolair.com/ or KoolNova sales agencies tel: +34 657 65 68 38 / Email: jlbejar@koolnova.com

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Specifications

LSP Duct R32

- Fan with inverter motor; prevalence adjustable up to 40 Pa; thickness of just 200.
- 750 mmH_2O 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_2e**	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

Controls and Accessories









Drain Pump (optional)	Wireless Remote Controller	Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Touch Centralised Controller
MDP-Z075SZED	AR-CH01E	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	MCM-A300BN







Wi-Fi Kit	Wireless Receiver Kit	External Thermostat	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
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+++.

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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 mmH_2O).



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



		Indoor Unit	AC035RNMDKG/EU	AC052RNMDKG/EU	AC071RNMDKG/EU	AC100RNMDKG/EU	AC120RNMDKG/EU	AC140RNMDKG/EU
		Outdoor Unit - Mono-Phase	AC035RXADKG/EU	AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC120RXADKG/EU	AC140RXADKG/EU
		Outdoor Unit - Tri-Phase	-	-	-	AC100RXADNG/EU	AC120RXADNG/EU	AC140RXADNG/EU
Refrigerant								
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Factory Charging	kg	0.9/20 m	1.2/10 m	1.7/15 m	2.7/30 m	2.7/30 m	2.9/30 m
	Charging Ton equivalent CO_2	tCO_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

Controls and Accessories








Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Wireless Remote Controller	Touch Controller
MDP-G075SP	MDP-G075SQ	AR-CH01E	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N







Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat	Touch Centralised Controller
MWR-WG01JN/MWR-WG01KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA	MCM-A300BN





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

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

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 mmH_2O).
- 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	11530		-	-
	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)	m³/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_2e	0.81	1.15	1.82	2.36	2.36	2.36
	Additional Refrigerant Charging	g/m	-					
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	3/8	3/8	3/8	3/8
	Gas Pipe	ø, inch	3/8	1/2	5/8	5/8	5/8	5/8
Piping Length	Min/Max	m	5/30	5 / 50	5 / 55	5/ 85	5/ 85	5/ 85
Piping Height	Max	m	20	30	30	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP 25 (OD32, ID25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others								
Panel	Model Code		-	-	-	-	-	-
	Net Dimensions (W x H x D)	mm	-	-	-	-	-	-
	Net Weight	kg	-	-	-	-	-	-
Accessories	Drain Pump		MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ	MDP-G075SP/ MDP-G075SQ
	Max. Lifting Height/ Displacement	mm / litres/h	750/24	750/24	750/24	750/24	750/24	750/24

Controls and Accessories








Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Wireless Remote Controller	Touch Controller
MDP-G075SP	MDP-G075SQ	AR-CH01E	AR-EH04E (to be matched with MRK-A10N)	MWR-SH11N







Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat	Touch Centralised Controller
MWR-WG01JN MWR-WG01KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH04E)	MRW-TA	MCM-A300BN





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

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

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Specifications

HSP Duct (R410A)

- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- 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_2e**	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

Controls and Accessories









Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit
MDP-G075SP	MDP-G075SQ	AR-CH01E	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG01JN/ MWR-WG01KN	MIM-H04EN





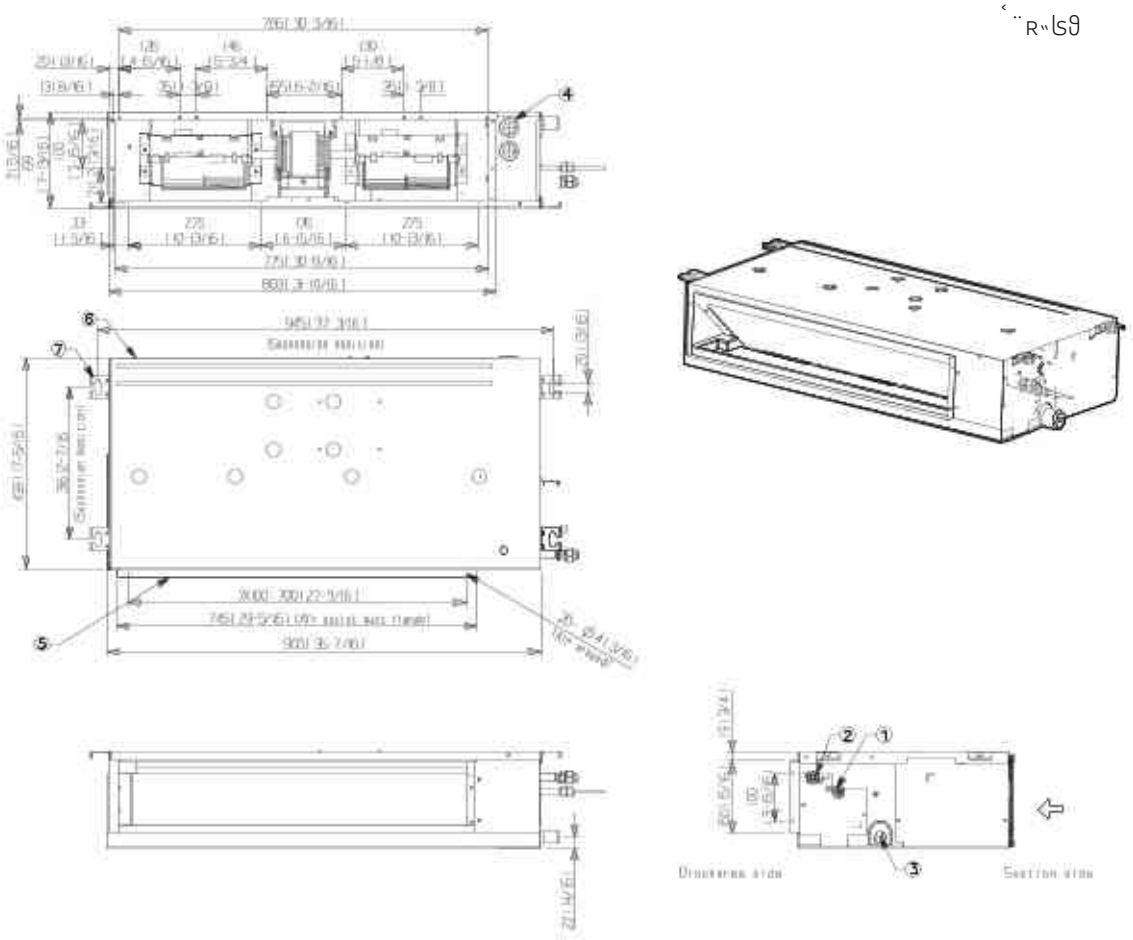



Wireless Receiver Kit	External Thermostat	Touch Centralised Controller	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MRK-A10N (to be matched with AR-EH03E)	MRW-TA	MCM-A300BN	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

Dimensional drawings

LSP Duct R32

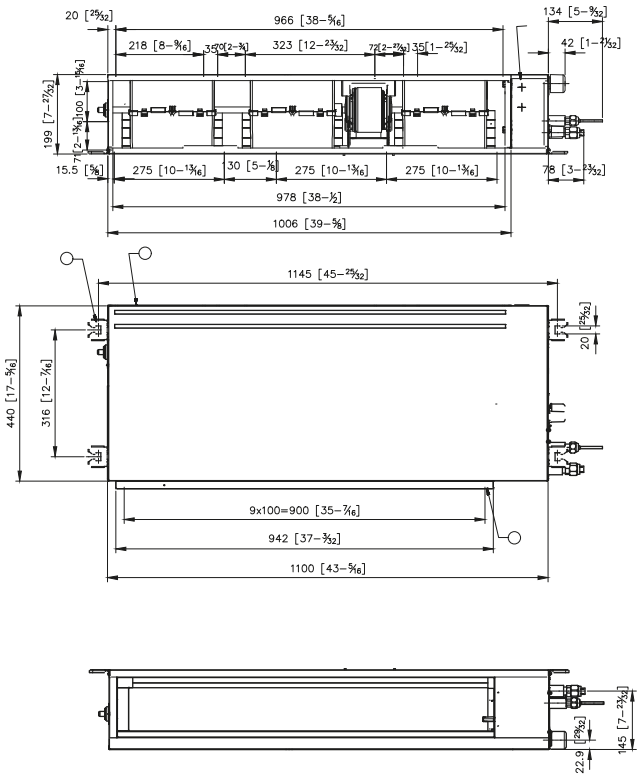
AC026/035BNLDKG/EU | Units: mm [inches]

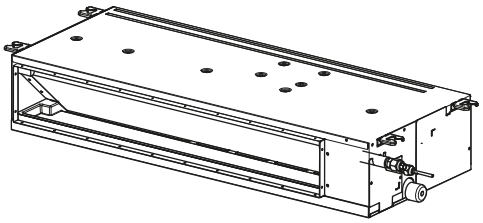


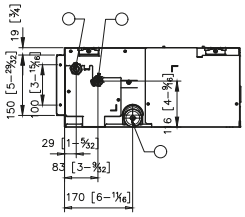
NO	Name	Description
1	Refrigerant Liquid Pipe	Φ6.35 [1/4"] Flare Connection
2	Refrigerant Gas Pipe	Φ9.52 [3/8"] Flare Connection
3	Condensate Drain (Option)	VP25 (OD32, ID25)
4	Power supply & Communication wiring conduit	-
5	Supply Air Flange	-
6	Return Air Flange	-
7	Hook	-

LSP Duct R32

AC052/071BNLDKG/EU Units: mm [inches]





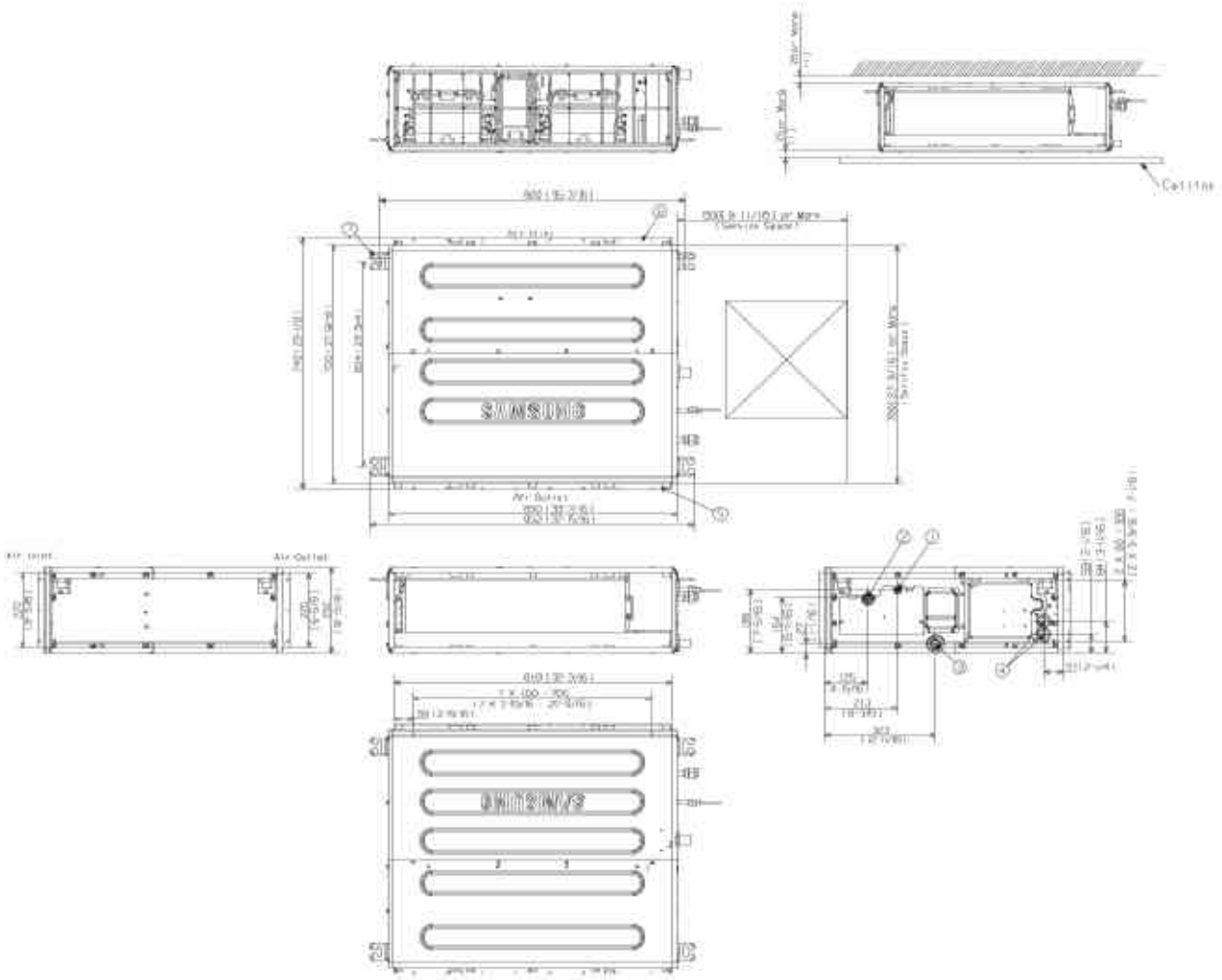


NO	Name	Description	
		AC052BNLDKG/EU	AC071BNLDKG/EU
1	Refrigerant Liquid Pipe	Φ6.35 [1/4"] Flare Connection	
2	Refrigerant Gas Pipe	Φ12.7 [1/2"] Flare Connection	Φ15.88 [5/8"] Flare Connection
3	Condensate Drain (Option)	VP25 (OD32, ID25)	
4	Power supply & Communication wiring conduit	-	
5	Supply Air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

Dimensional drawings

MSP Duct R32

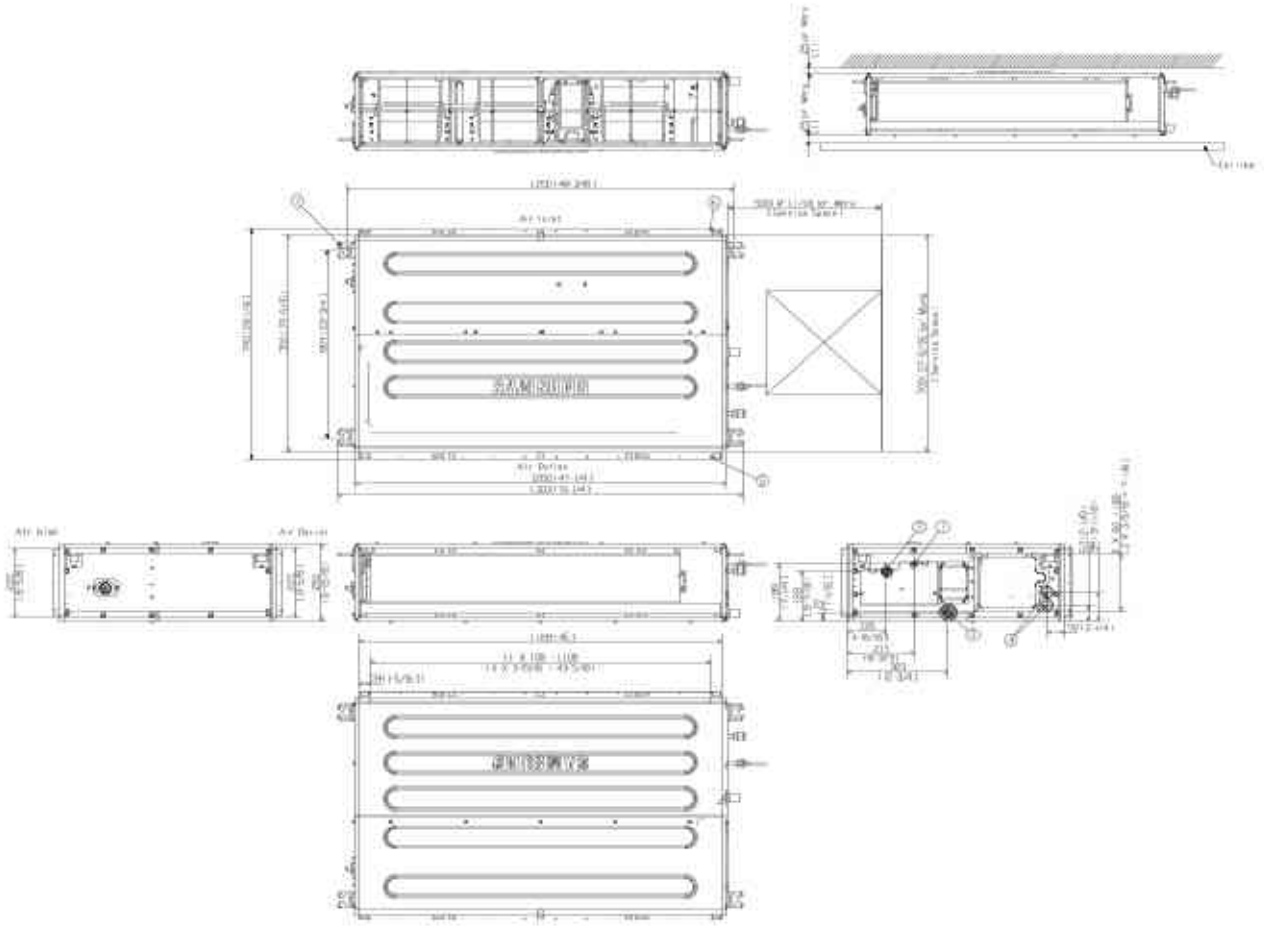
AC035/052/060/071*NMDK*/EU	Units: mm [inches]



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]

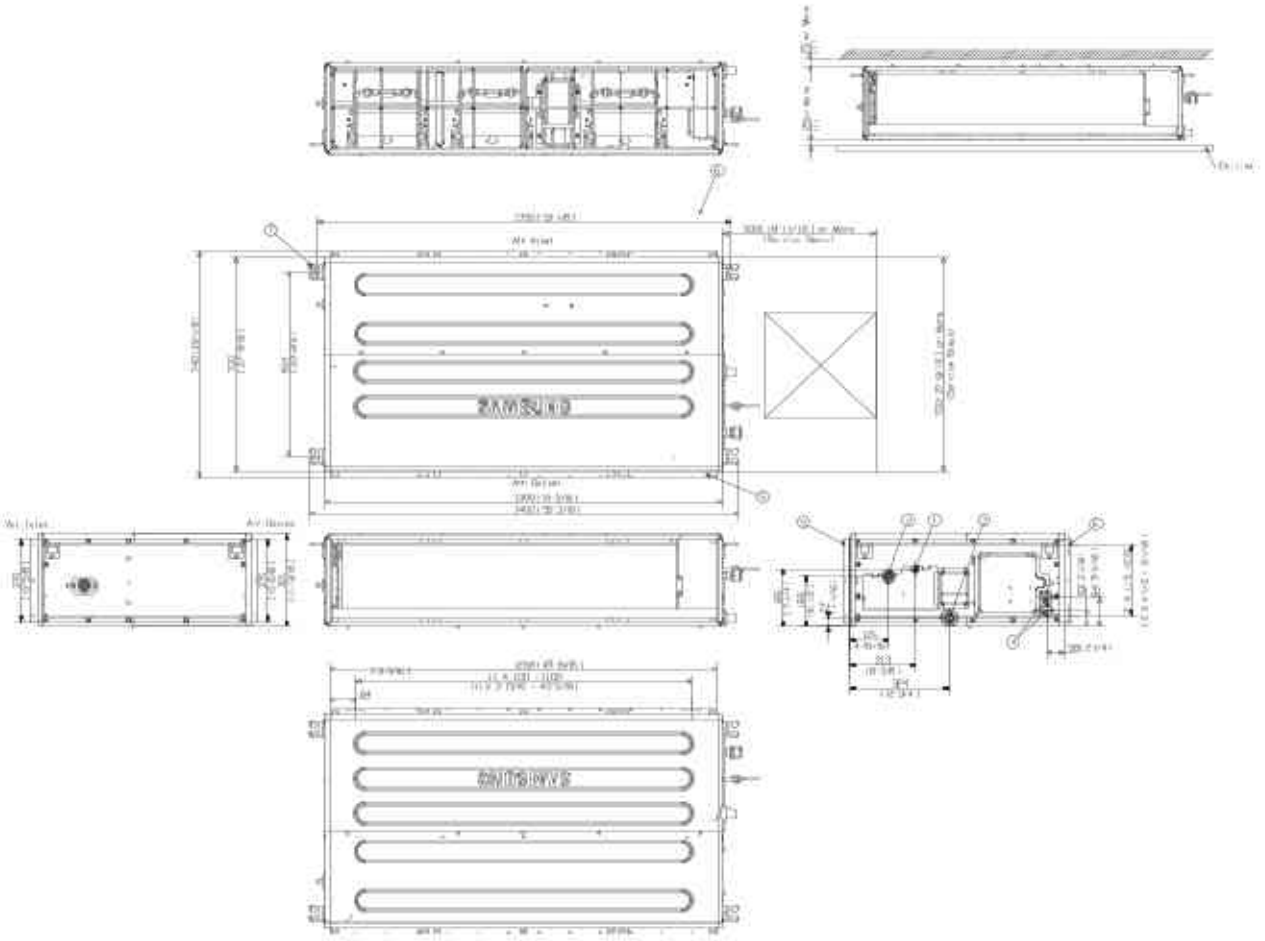


NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air intake	
6	Air supply	
7	Air tie rods	Use M8~M10 bolt (4x)

Dimensional drawings

MSP Duct R32

AC120/140*NMDK*/EU*	Units: mm [inches]



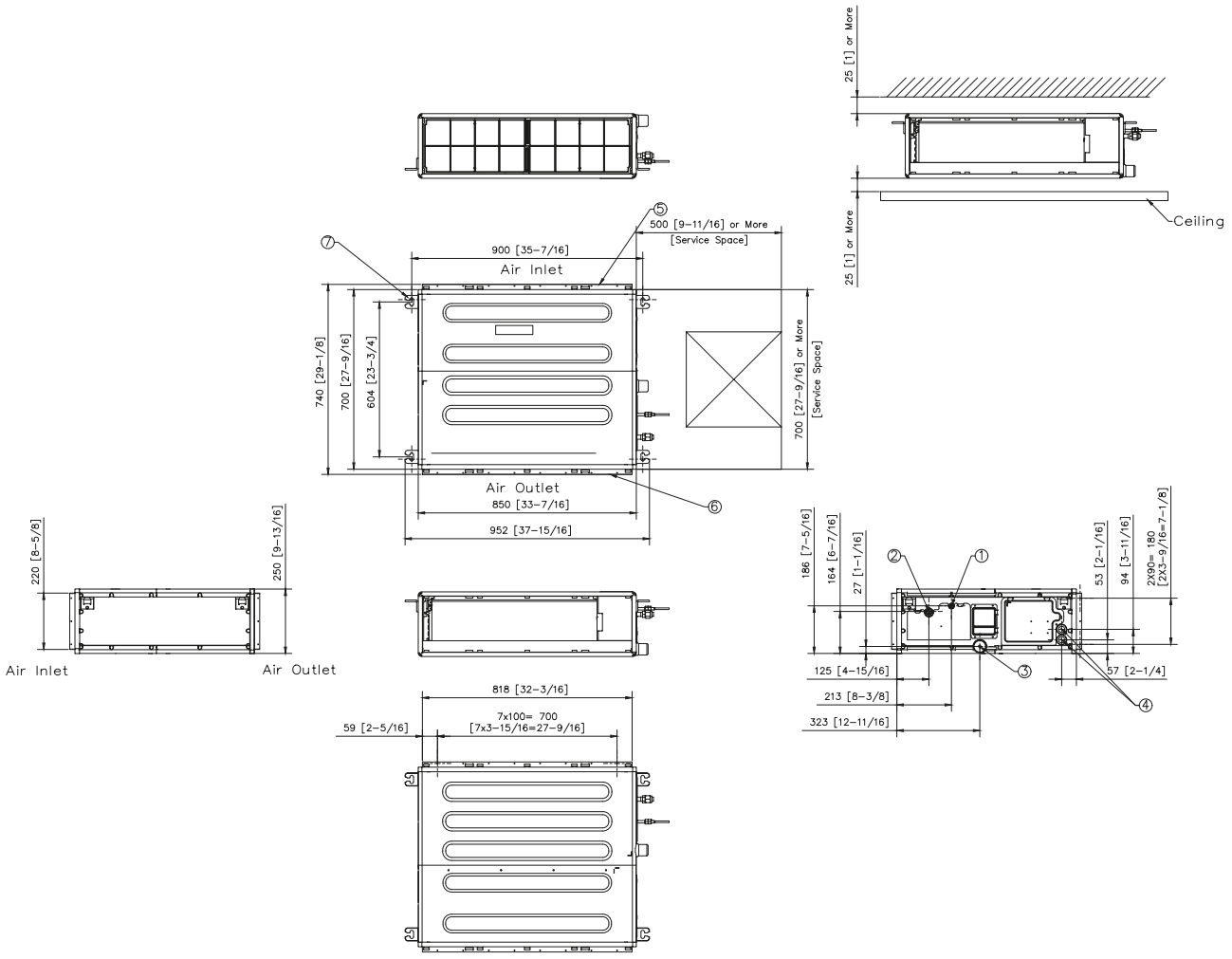
NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air intake	
6	Air supply	
7	Air tie rods	Use M8~M10 bolt (4x)



Dimensional drawings

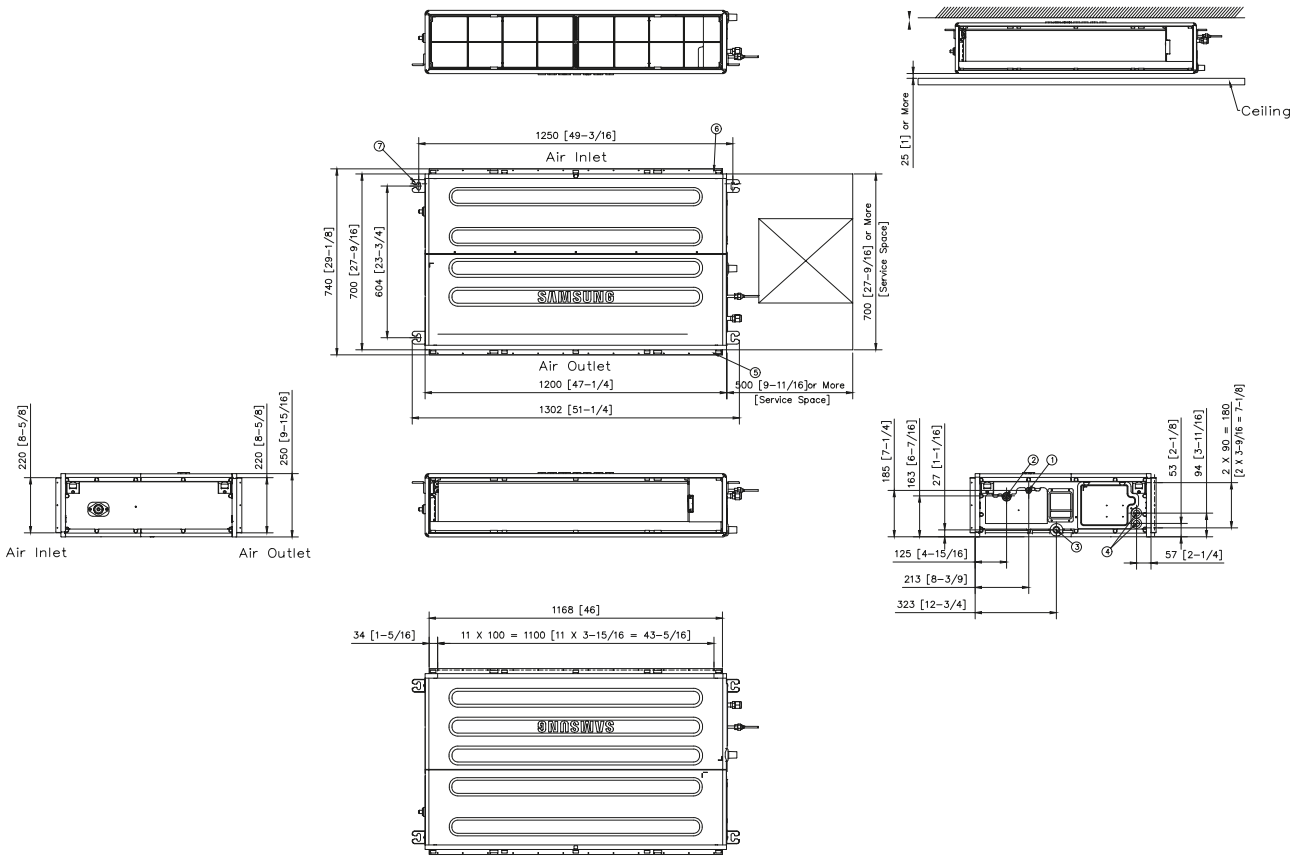
MSP Duct HEE R32

AC035/052BNMPKG/EU | Units: mm [inches]



MSP Duct HEE R32

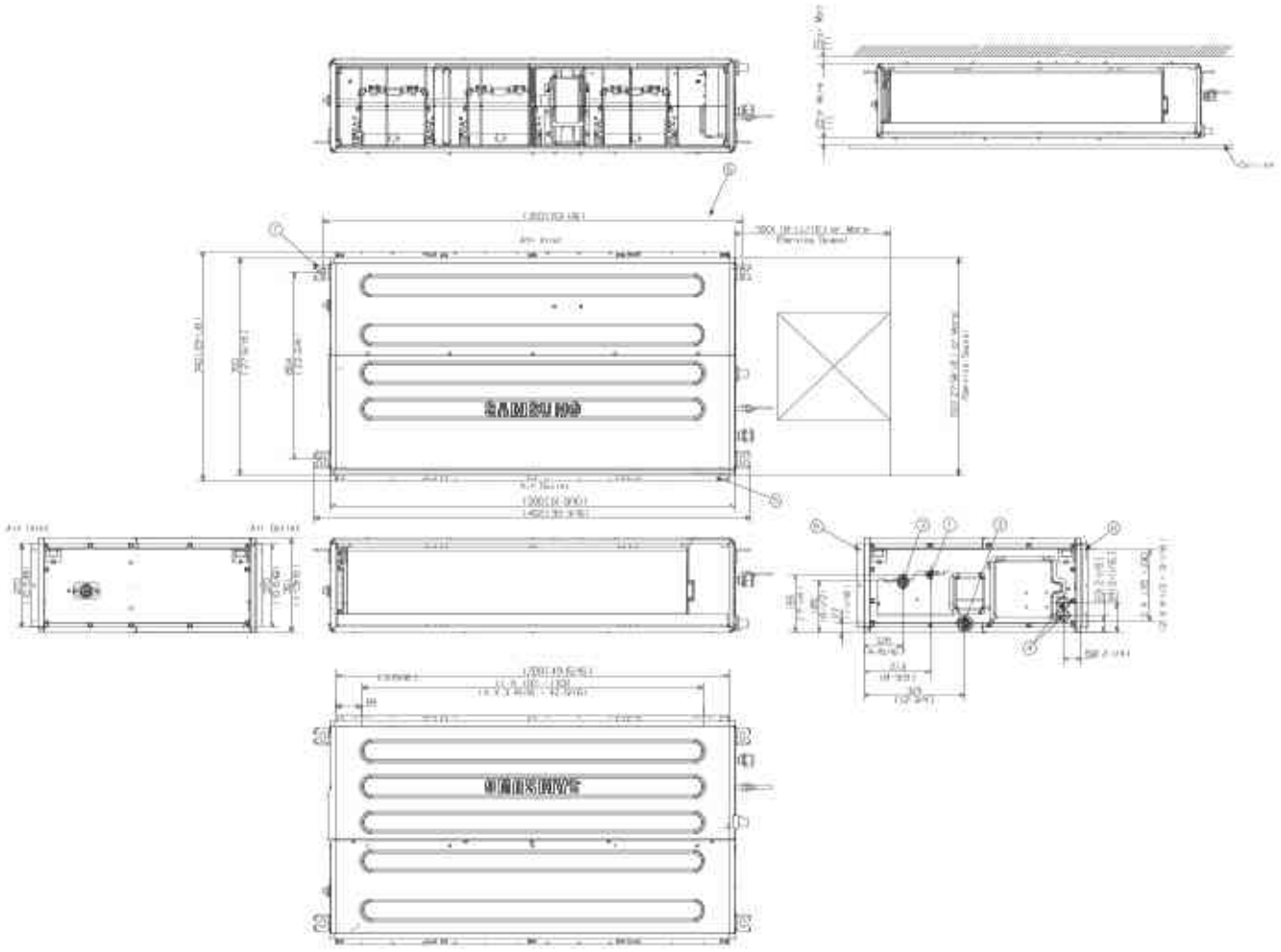
AC071BNMPKG/EU	Units: mm [inches]



Dimensional drawings

MSP Duct HEE R32

AC0100/120/140BNMPKG/EU | Units: mm [inches]

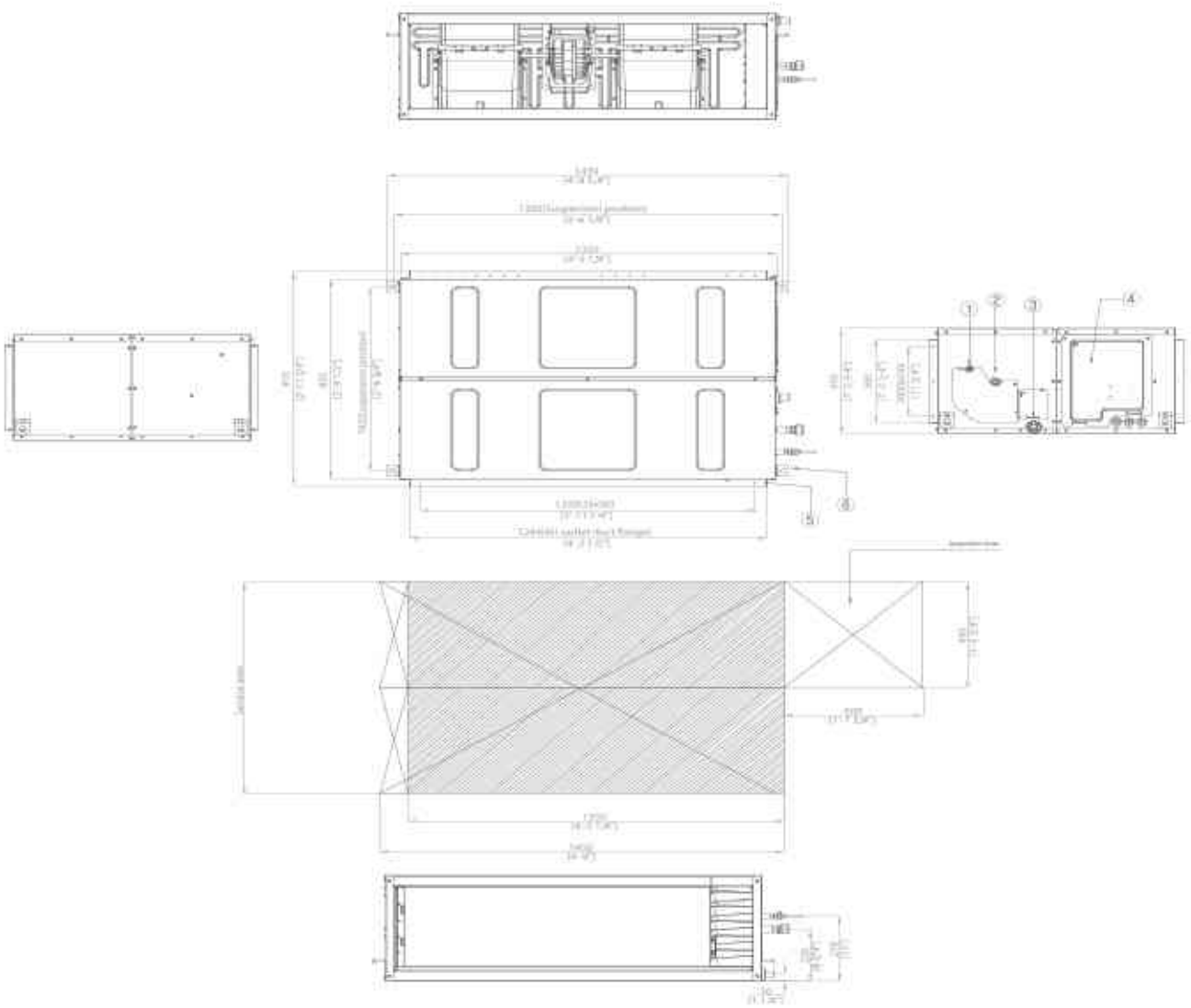




Dimensional drawings

HSP Duct (R410A)

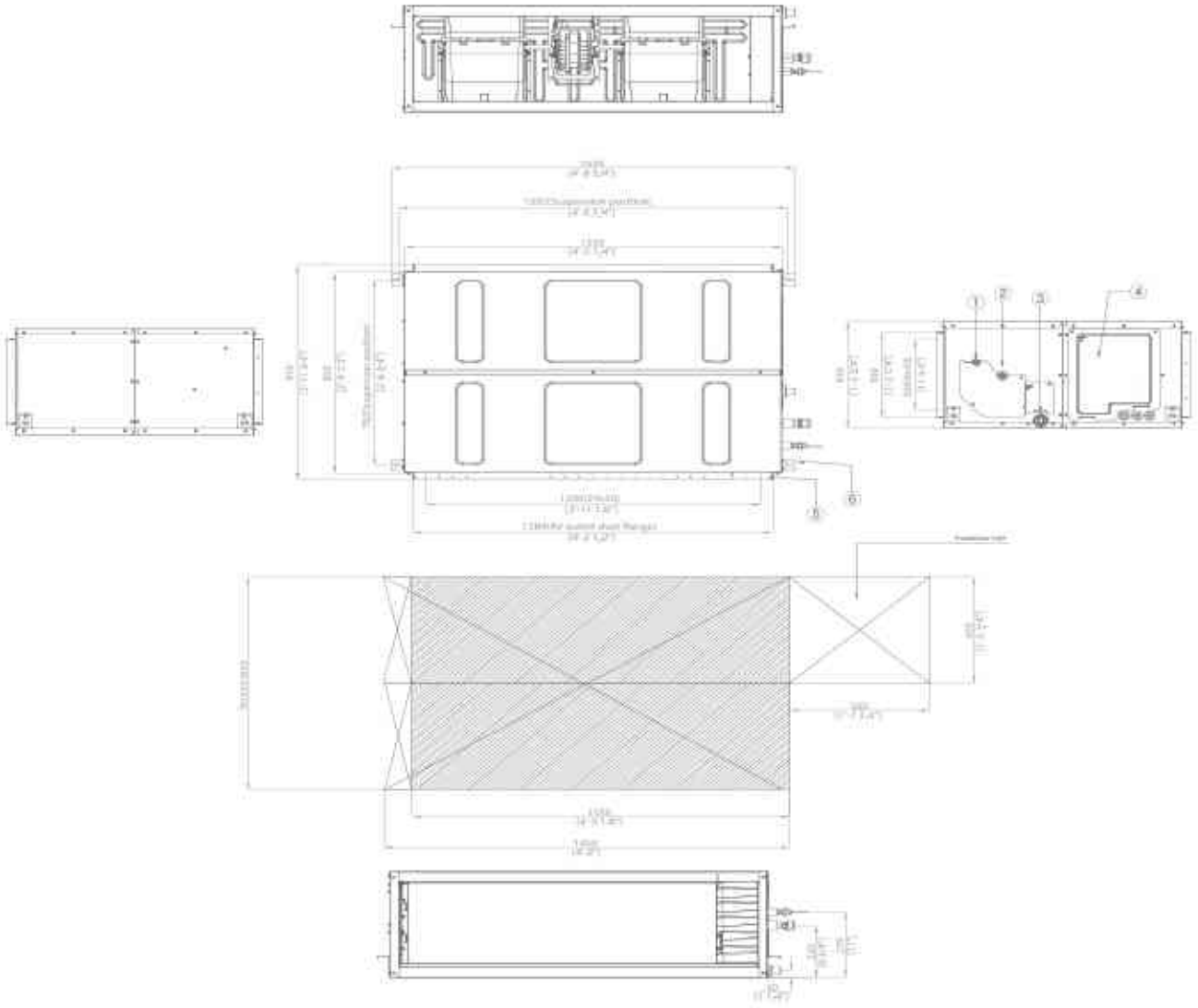
AC200KNHPKH/EU	Units: mm [inches]



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)	
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		





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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	717	862	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_2e**	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

Controls and Accessories








Wireless Remote Controller	Wireless Remote Controller	Touch Controller	Advanced Wired Remote Controller	Touch Centralised Controller	Wi-Fi Kit
AR-CH01E	AR-EH03E	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	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

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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							
	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

[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	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						
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_2e**	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

Controls and Accessories








Wireless Remote Controller	Wireless Remote Controller	Touch Controller	Advanced Wired Remote Controller	Touch Centralised Controller	Wi-Fi Kit
AR-CH01E	AR-EH04E	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	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

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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	
	EER	W/W	2.53	
Energy Efficiency Heating	SCOP[1]	W/W	4.0/ A+	
	Power Consumption	kWh/a	1,960	
	Pdesignh (average)	kW	5.6	
	COP[1]	W/W	2.82	
Airflow Rate	Indoor Unit (H/M/L)	m^3/min	22.7/19.8/17.8	
Sound Power	Indoor Unit	dB(A)	65	
	Outdoor Unit	dB(A)	69	
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	49/46/43/37	
	Outdoor Unit (H/L)	dB(A)	54/52	
Fan/Outdoor Unit	Type		Crossflow Fan	
	Power	W	58	
	Number of Fans	-	2	
Operating Temperature Range	Cooling	°C	-15~50	
	Heating	°C	-20.0~24.0	

			Indoor Unit	AC100RNTDKG/EU
			Outdoor Unit - Mono-Phase	AC100RXADKG/EU
			Outdoor Unit - Tri-Phase	AC100RXADNG/EU
Electrical Data				
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	3Φ, 4, 380~415 V, 50 Hz	
Compressor Type	Outdoor Unit	Type	Twin BLDC	
Power (Min/Nominal/Max)	Cooling	kW	0.60/3.75/5.10	
	Heating	kW	0.46/3.82/5.40	
Current Input	Cooling (Min/Std/Max)	A	3.0/16.3/22.5	
	Heating (Min/Std/Max)	A	2.5/16.7/23.0	
	Cooling - Tri-Phase (Min/Std/Max)	A	1.5/5.7/7.7	
	Heating - Tri-Phase (Min/Std/Max)	A	1.2/5.7/8.4	
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	1,280 x 345 x 253	
	Outdoor Unit	mm	940 x 998 x 330	
Net Weight	Indoor Unit	kg	18.5	
	Outdoor Unit	kg	75.0	
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	2.7/30 m	
	Charging Ton equivalent CO_2	tCO_2e	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)	

Controls and Accessories









Wireless Remote Controller	Touch Controller	Advanced Wired Remote Controller	Touch Centralised Controller	Wi-Fi Kit
AR-CH01E	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	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+++.

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_2e	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

Controls and Accessories









Wireless Remote Controller	Touch Controller	Advanced Wired Remote Controller	Touch Centralised Controller	Wi-Fi Kit
AR-CH01E	MWR-SH11N	MWR-WG01JN/MWR-WG01KN	MCM-A300BN	MIM-H04EN









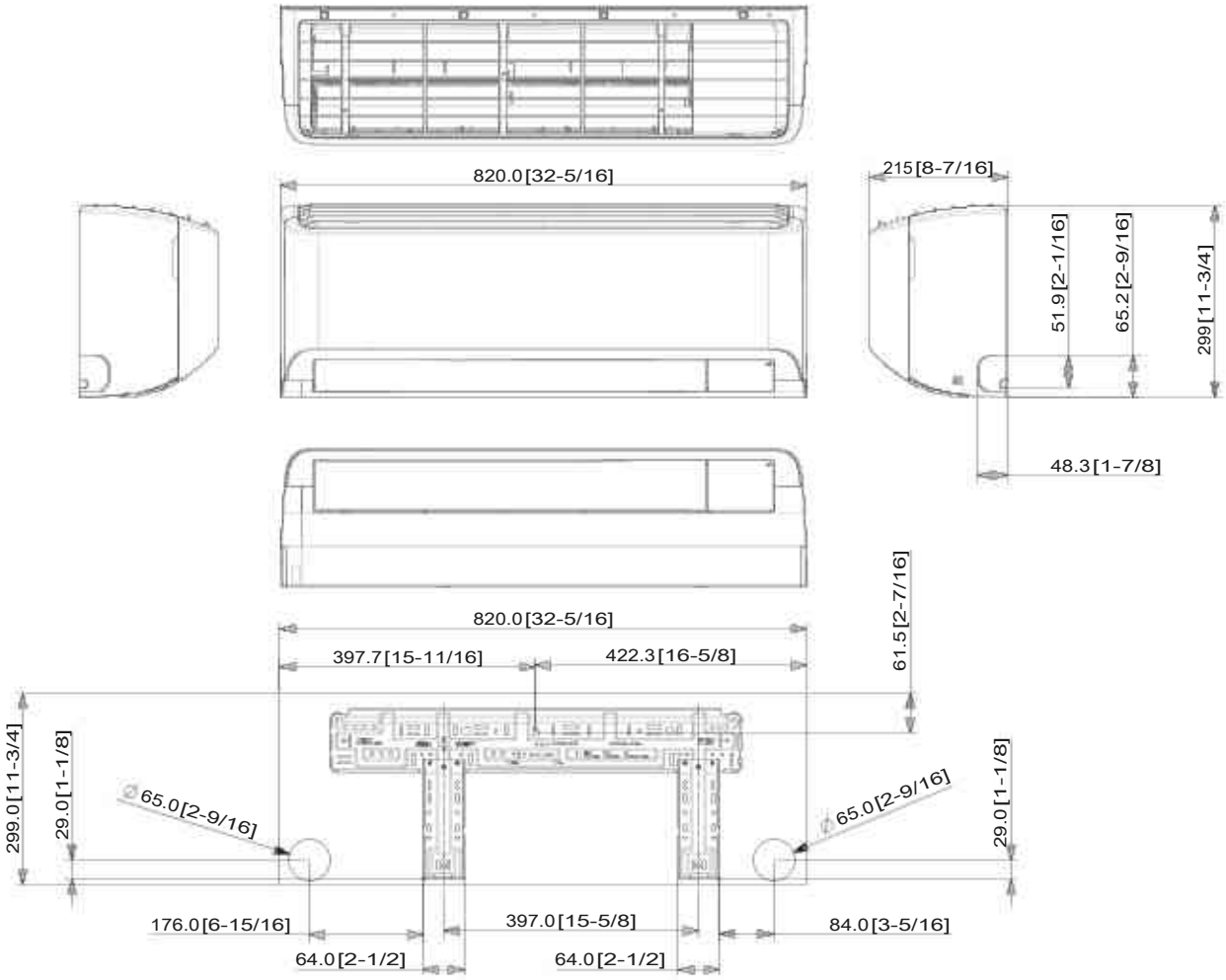
External Thermostat	DMS 2.5	BACnet/Lonworks/PIM	ON/OFF Controller
MRW-TA	MIM-D01AN	MIM-B17BN/B18BN/B16N	MCM-A202DN

[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 R32

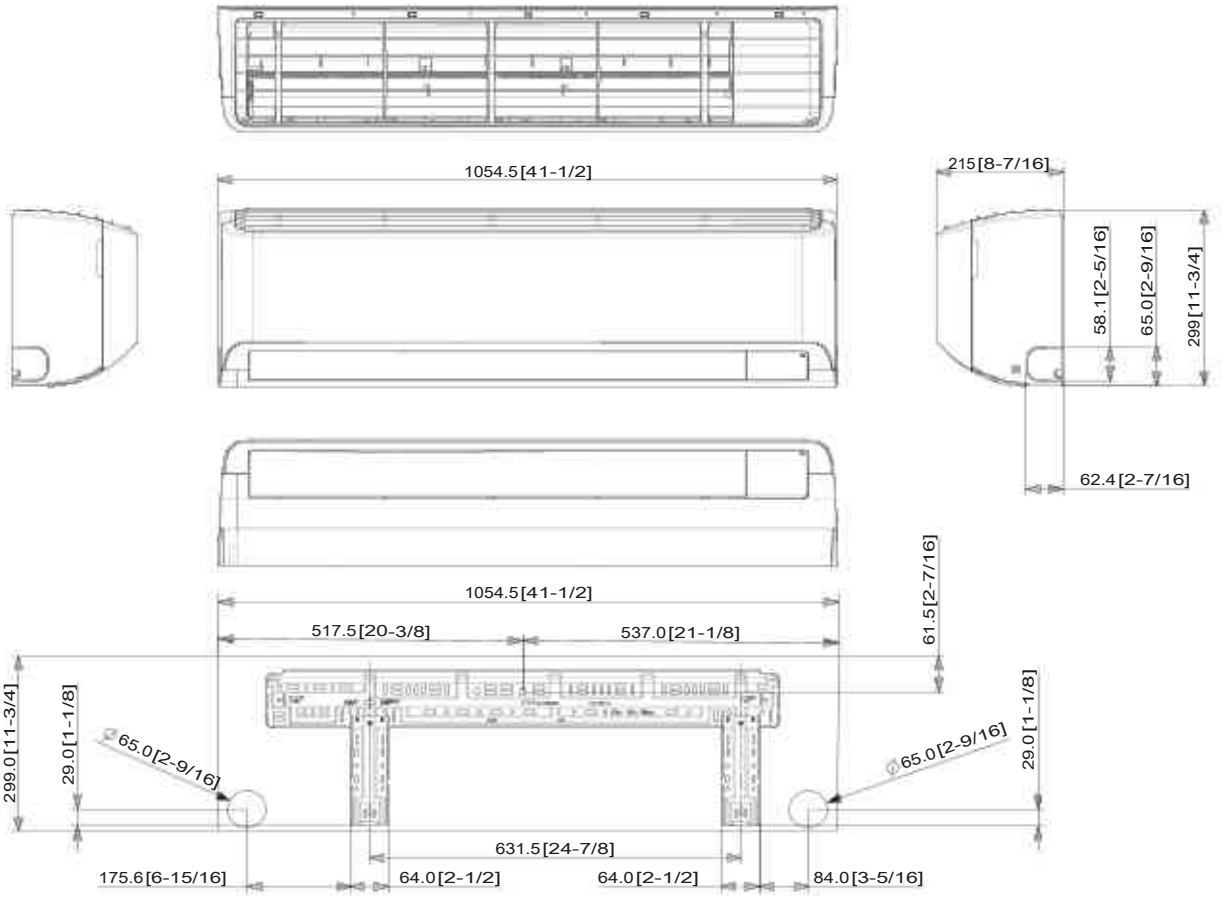
AC026TNXDKG/EU AC026RXADKG/EU — Units: mm [inches]



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]

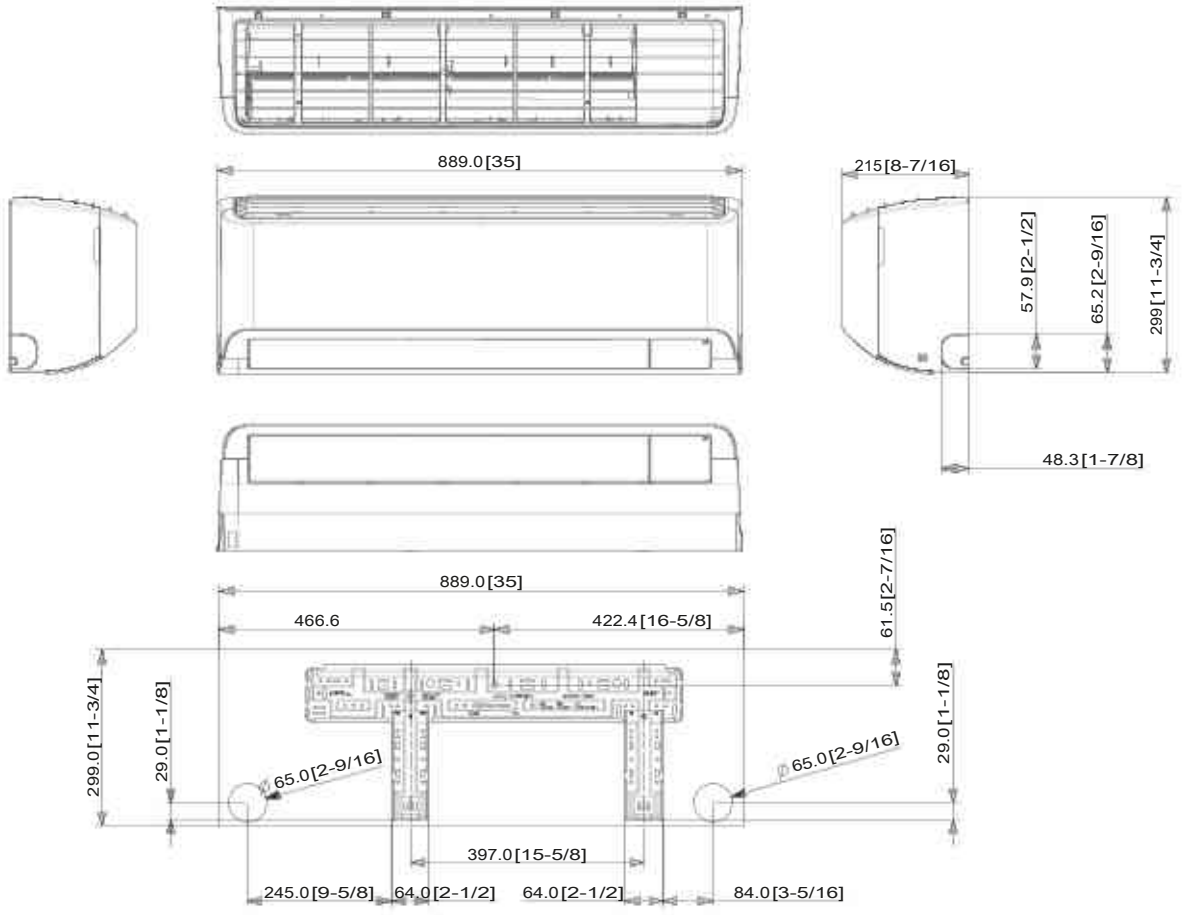


NO	Name	Description
1	Refrigerant gas pipe	ø12.70 (1/2) Flare
2	Refrigerant liquid pipe	ø6.35 (1/4) Flare
3	Drain pipe connection	ID 18 Hose

Dimensional drawings

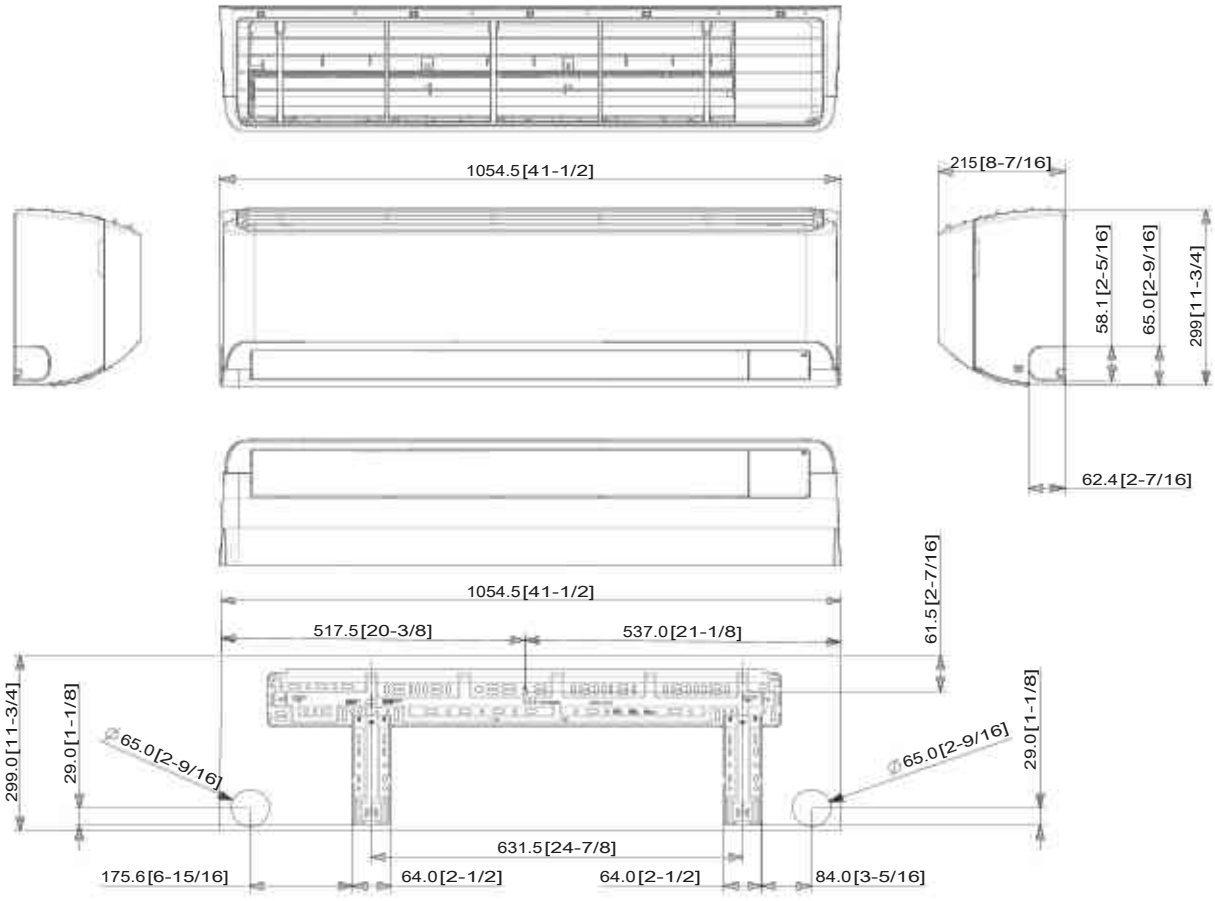
WindFree™ Deluxe HEE R32

AC026/035BNAPKG/EU | Units: mm [inches]



WindFree™ Deluxe HEE R32

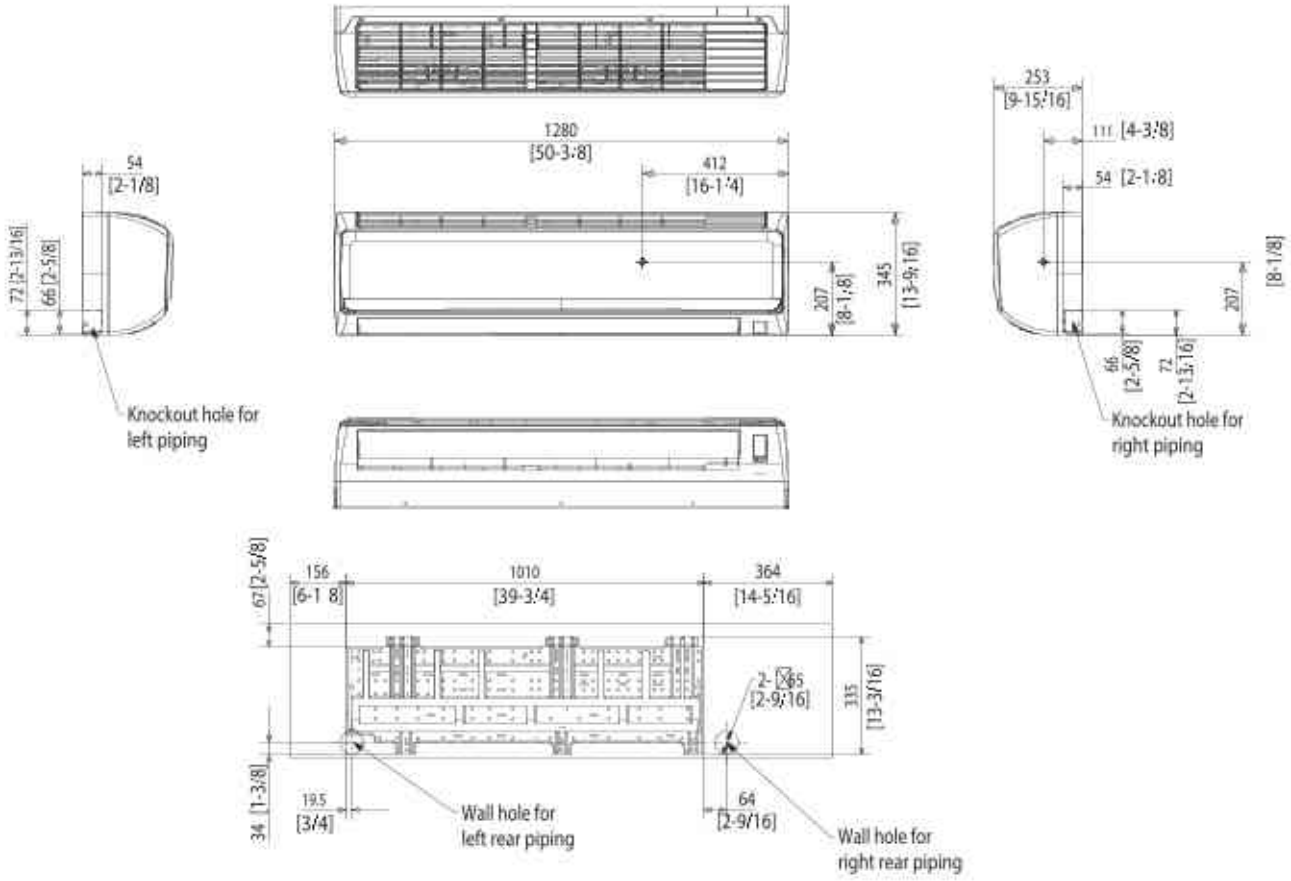
AC052/071BNAPKG/EU Units: mm [inches]



Dimensional drawings

Max Wall-Mounted R32

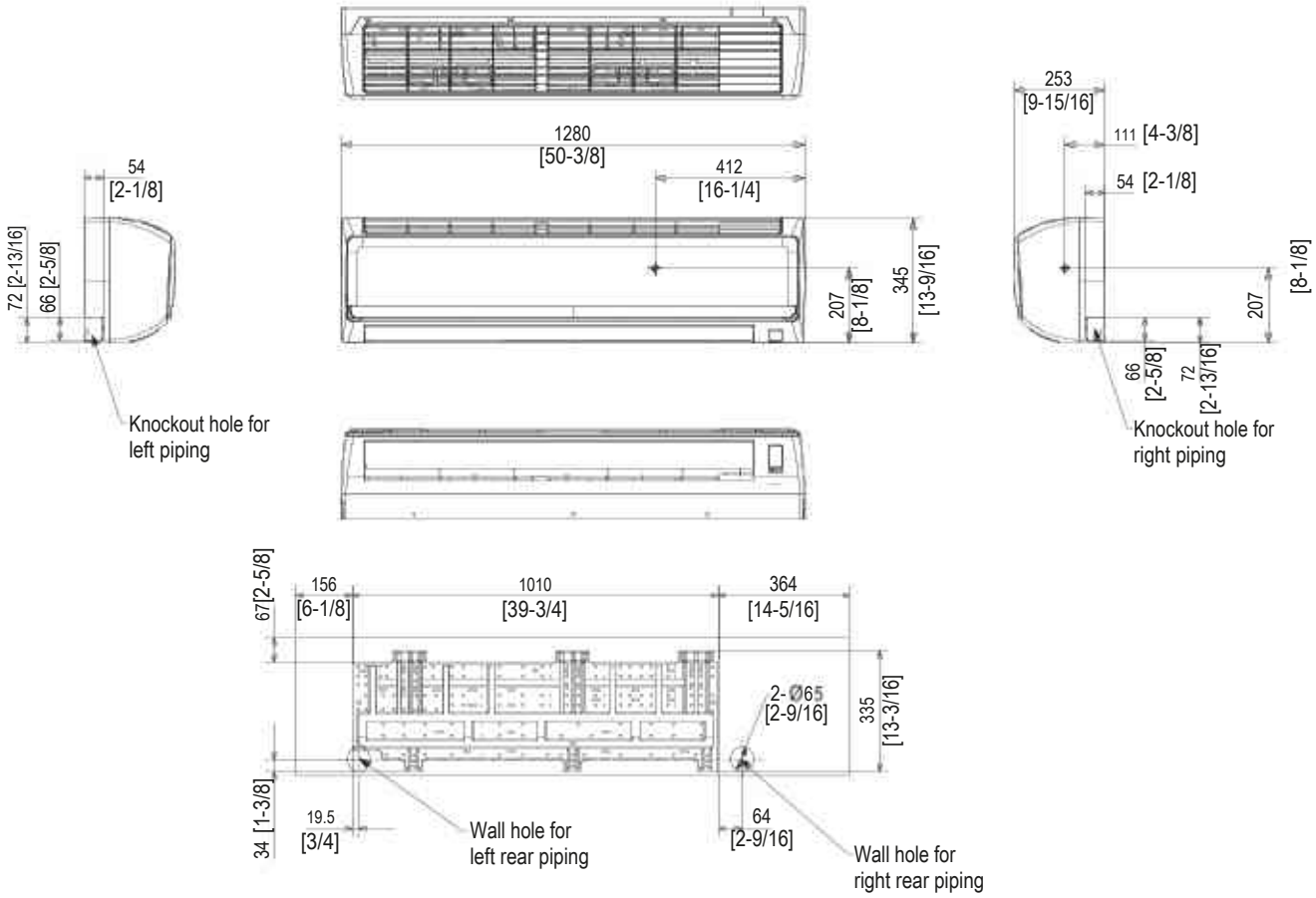
AC100*NTD**/EU | Units: mm [inches]



Dimensional drawings

Max Wall-Mounted HEE R32

AC100BNTPKG/EU | Units: mm [inches]



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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	AC052RNCDKG/EU	AC071RNCDKG/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)	m³/min		12.6/11.3/10.0	15.2/14.1/13.1
Sound Power	Indoor Unit	dB(A)		60	64
	Outdoor Unit	dB(A)		62	65
Sound Pressure	Indoor Unit (H/M/L)	dB(A)		41/39/36	46/44/42
	Outdoor Unit (H/L)	dB(A)		48/48	51/49
Fan/Outdoor Unit	Type			Sirocco	Sirocco
	Power	W		40	40
	Number of Fans	-		2	2
Operating Temperature Range	Cooling	°C		-15~50	-15~50
	Heating	°C		-20.0~24.0	-20.0~24.0
Electrical Data					
Power Source	Indoor Unit	Φ, #, V, Hz		1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz		1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz		-	-
Compressor Type	Outdoor Unit	Type		Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW		0.48/1.58/1.90	0.35/2.87/3.60
	Heating	kW		0.43/1.92/3.05	0.35/3.05/3.95
Current Input	Cooling (Min/Std/Max)	A		2.8/7.2/9.0	2.0/12.4/16.0
	Heating (Min/Std/Max)	A		2.4/8.5/14.5	2.0/13.2/17.0
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm		1,000 x 200 x 650	1,000 x 200 x 650
	Outdoor Unit	mm		880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg		20.0	20.0
	Outdoor Unit	kg		43.0	51.0
Refrigerant					
Refrigerant	Type			R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg		1.2/10 m	1.7/15 m
	Charging Ton Equivalent CO_2	tCO_2e		0.81	1.15
	Additional Refrigerant Charging	g/m		15	25
Piping Connections	Liquid Pipe	ø, inch		1/4	1/4
	Gas Pipe	ø, inch		1/2	5/8
Piping Length	Min/Max	m		3/30	3/50
Piping Height	Max	m		20	30
Piping Connections	Drain Pipe	ø, mm		ID 18	ID 18

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

Controls and Accessories



NEW

Wireless Remote Controller

AR-CH01E



Wireless Remote Controller

AR-EH03E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG01JN/MWR-WG01KN

Wi-Fi Kit

MIM-H04EN



External Thermostat

MRW-TA

Specifications

Ceiling HEE R32

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





			Indoor Unit	AC052BNCPKG/EU	AC071BNCPKG/EU
			Outdoor Unit - Mono-Phase	AC052BXAPKG/EU	AC071BXAPKG/EU
			Outdoor Unit - Tri-Phase	-	AC071BXAPNG/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW		1.30 / 5.00 / 8.00	2.30 / 7.10 / 9.50
	Heating up to +7 °C (Min/Nominal/Max)	kW		1.30 / 6.00 / 10.00	1.80 / 8.00 / 10.50
	Heating @ -5 °C	kW			
	Heating @ -15 °C	kW			
Performance					
Energy Efficiency Cooling	SEER[1]	W/W		8.0/ A++	7.1/ A++
	Power Consumption	kWh/a		219	350
	Pdesignc	kW		5	7.1
	EER	W/W		4.42	3.78
Energy Efficiency Heating	SCOP[1]	W/W		4.8 / A++	4.4/ A+
	Power Consumption	kWh/a		1167	1495
	Pdesignh (average)	kW		4	4.7
	COP[1]	W/W		4.58	3.79
Airflow Rate	Indoor Unit (H/M/L)	m³/min		19.0 / 16.1 / 13.8	20.5 / 17.6 / 15.3
Sound Power	Indoor Unit	dB(A)		56	58
	Outdoor Unit	dB(A)		63	64
Sound Pressure	Indoor Unit (H/M/L)	dB(A)		41/39/36	46/44/42
	Outdoor Unit (H/L)	dB(A)		48/48	51/49
Fan/Outdoor Unit	Type			BLDC	BLDC
	Power	W		125	125
	Number of Fans	-		1	1
Operating Temperature Range	Cooling	°C		-20~52	-20~52
	Heating	°C		-25.0~24.0	-25.0~24.0
Electrical Data					
Power Source	Indoor Unit	Φ, #, V, Hz		1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz		1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz		-	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type		Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW		0.26 / 1.13 / 2.50	0.47 / 1.88 / 3.10
	Heating	kW		0.23 / 1.31 / 3.40	0.36 / 2.11 / 4.30
Current Input	Cooling (Min/Std/Max)	A		1.7 / 5.3 / 11.0	2.5 / 8.8 /13.8
	Heating (Min/Std/Max)	A		1.5 / 6.1 / 14.9	2.6 / 9.8 / 19.1
	Cooling - Tri-Phase (Min/Std/Max)	A			1.1 / 3.1 / 4.9
	Heating - Tri-Phase (Min/Std/Max)	A			0.8 / 3.5 / 6.7
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm		1,350 x 235 x 675	1,350 x 235 x 675
	Outdoor Unit	mm		880 x 798 x 310	940 x 998 x 330
Net Weight	Indoor Unit	kg		20.0	20.0
	Outdoor Unit	kg		50	75
Refrigerant					
Refrigerant	Type			R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg		1.7/20 m	2.7/30 m
	Charging Ton Equivalent CO_2	tCO_2e		1.15	1.82
	Additional Refrigerant Charging	g/m			
Piping Connections	Liquid Pipe	ø, inch		1/4	3/8
	Gas Pipe	ø, inch		1/2	5/8
Piping Length	Min/Max	m		5 / 50	5 / 55
Piping Height	Max	m		30	30
Piping Connections	Drain Pipe	ø, mm		ID 18	ID 18

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

Controls and Accessories



Wireless Remote Controller

AR-CH01E



Wireless Remote Controller

AR-EH04E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG01JN/MWR-WG01KN

Wi-Fi Kit

MIM-H04EN



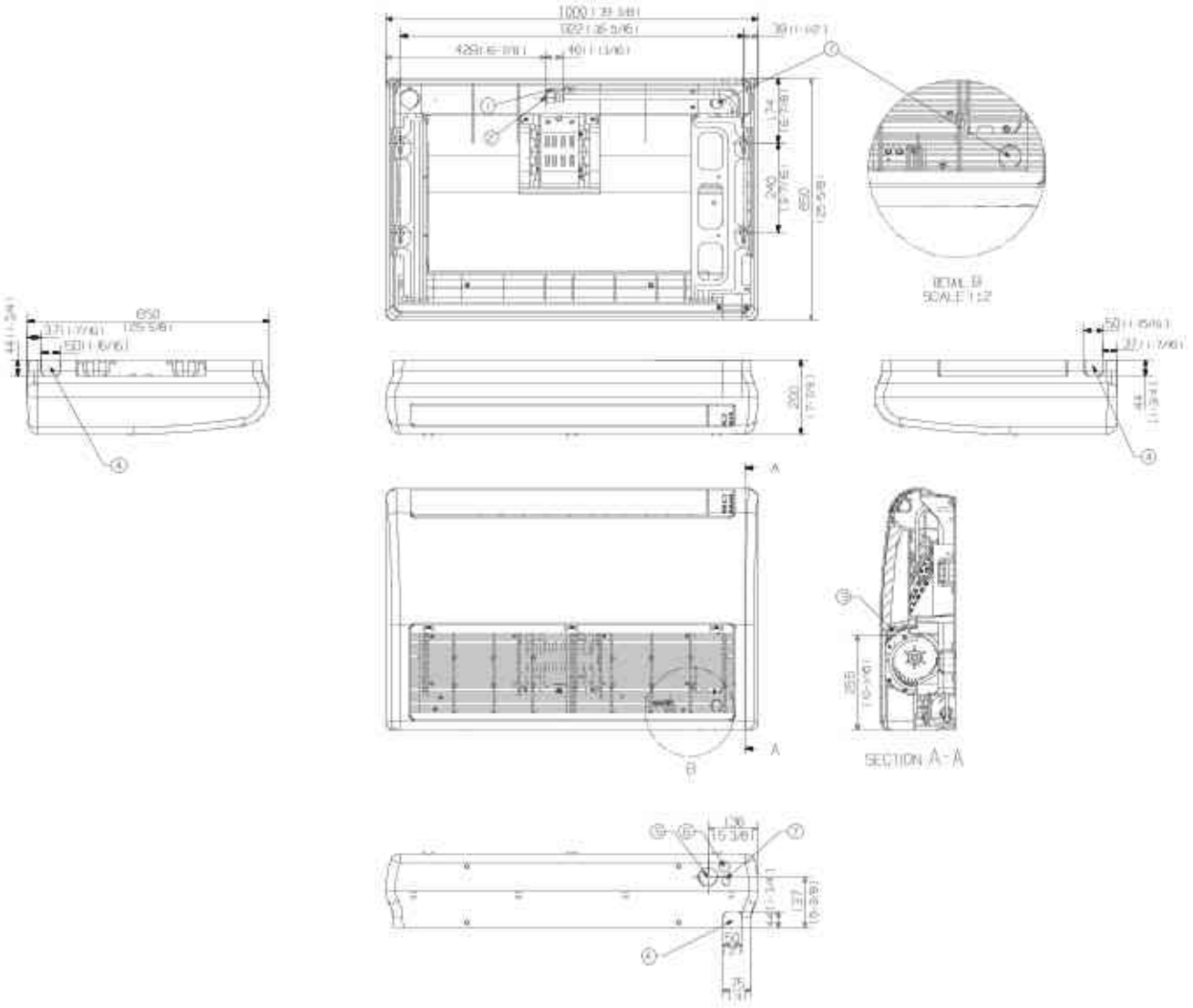
External Thermostat

MRW-TA

Dimensional drawings

Ceiling R32

AC052/071*NCDK*/EU — **Units: mm [inches]**



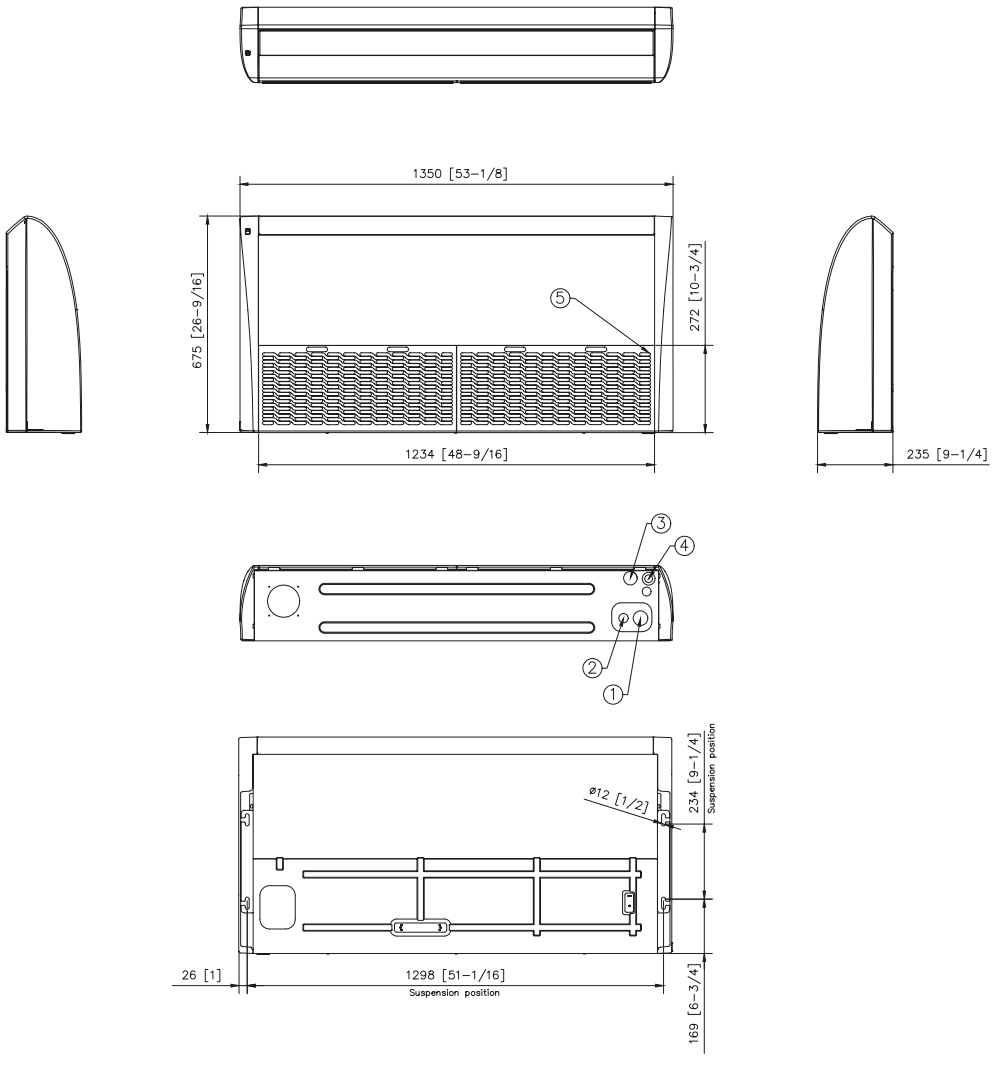
NO	Name	Description	
		AC052RNCDKH/EU	AC071RNCDKH/EU
1	Liquid piping	ø6.35 (1/4)	
2	Gas piping	ø12.70 (1/2)	ø15.88 (5/8)
3	Condensation drain piping	ID 18 [11/16] Hose	
4	Piping connection		
5	Connection for external air	ø50 [2]	
6	Connection of the condensation drain pipe		
7	Connection of the communication cables		

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

Dimensional drawings

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	-

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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	AC100RNCDKG/EU	AC120RNCDKG/EU	AC140RNCDKG/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	0.80/4.50/6.45
	Heating	kW		0.46/3.25/5.40	0.70/3.83/5.60	0.70/4.54/7.36
Current Input	Cooling (Min/Std/Max)	A		3.0/14.6/20.4	5.1/19.1/24.0	3.7/19.7/28.0
	Heating (Min/Std/Max)	A		2.5/14.2/23.0	3.9/17.0/26.0	3.5/19.8/32.0
	Cooling - Tri-Phase (Min/Std/Max)	A		1.5/5.0/7.1	1.7/6.6/10.0	2.1/7.0/10.5
	Heating - Tri-Phase (Min/Std/Max)	A		1.2/5.1/8.4	1.5/6.2/12.0	1.9/7.0/12.0
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm		1,650 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675
	Outdoor Unit	mm		940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg		42.0	42.0	41.5
	Outdoor Unit	kg		75.0	81.0	91.5
Refrigerant						
Refrigerant	Type			R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Factory Charging	kg		2.7/30 m	2.7/30 m	2.9/30 m
	Charging Ton equivalent CO_2	tCO_2e		1.82	1.82	1.96
	Additional Refrigerant Charging	g/m		50	50	50
Piping Connections	Liquid Pipe	ø, inch		3/8	3/8	3/8
	Gas Pipe	ø, inch		5/8	5/8	5/8
Piping Length	Min/Max	m		50	50	75
Piping Height	Max	m		30	30	30
Piping Connections	Drain Pipe	ø, mm		VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)

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

Controls and Accessories



NEW

Wireless Remote Controller

AR-CH01E



Wireless Remote Controller

AR-EH03E



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG01JN/MWR-WG01KN

Wi-Fi Kit

MIM-H04EN



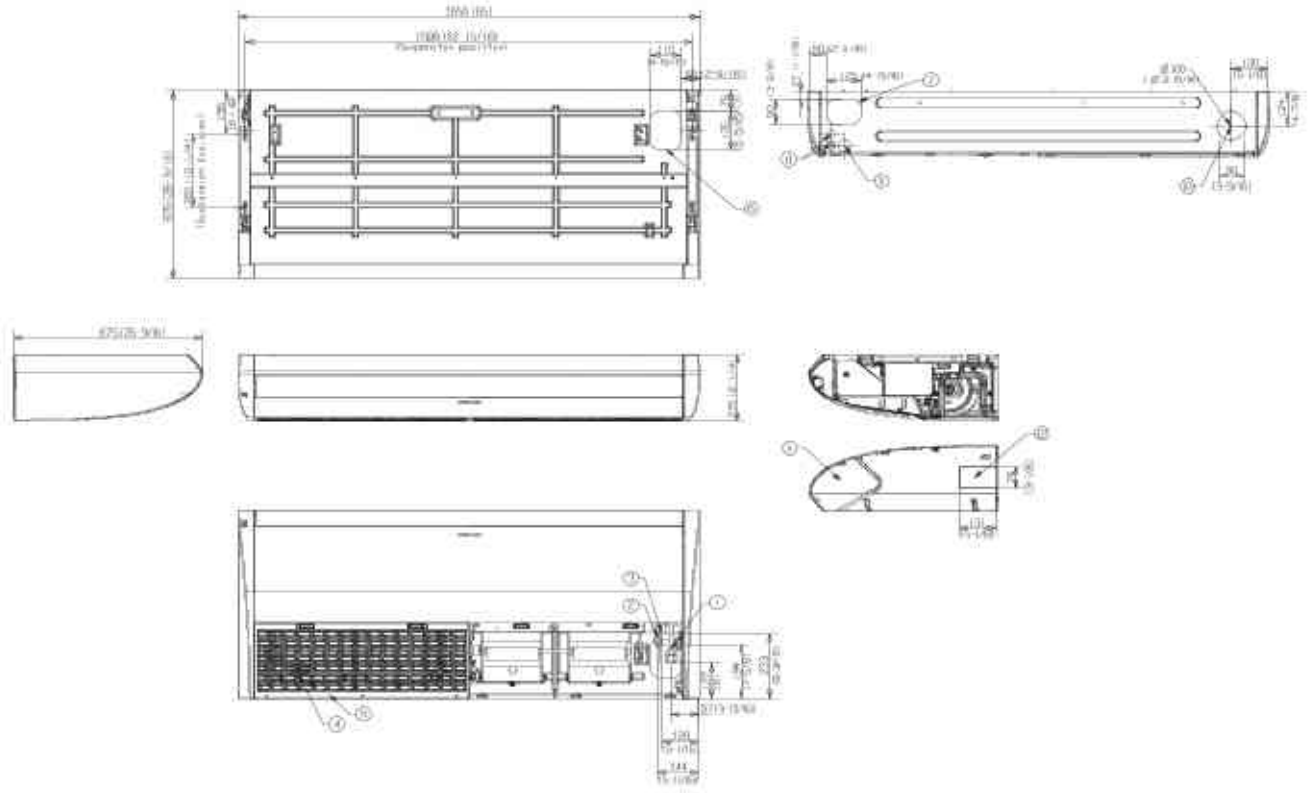
External Thermostat

MRW-TA

Dimensional drawings

Big Ceiling R32

AC100/120/140*NCDK*/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)	

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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	AC100BNPDKH/EU	AC140BNPDKH/EU
			Outdoor Unit - Mono-Phase	AC100BXPDKH/EU	-
			Outdoor Unit - Tri-Phase	-	AC140BXPDNH/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_2e		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

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

Controls and Accessories



External Thermostat

MRW-TA



On/Off controller

MIM-B14

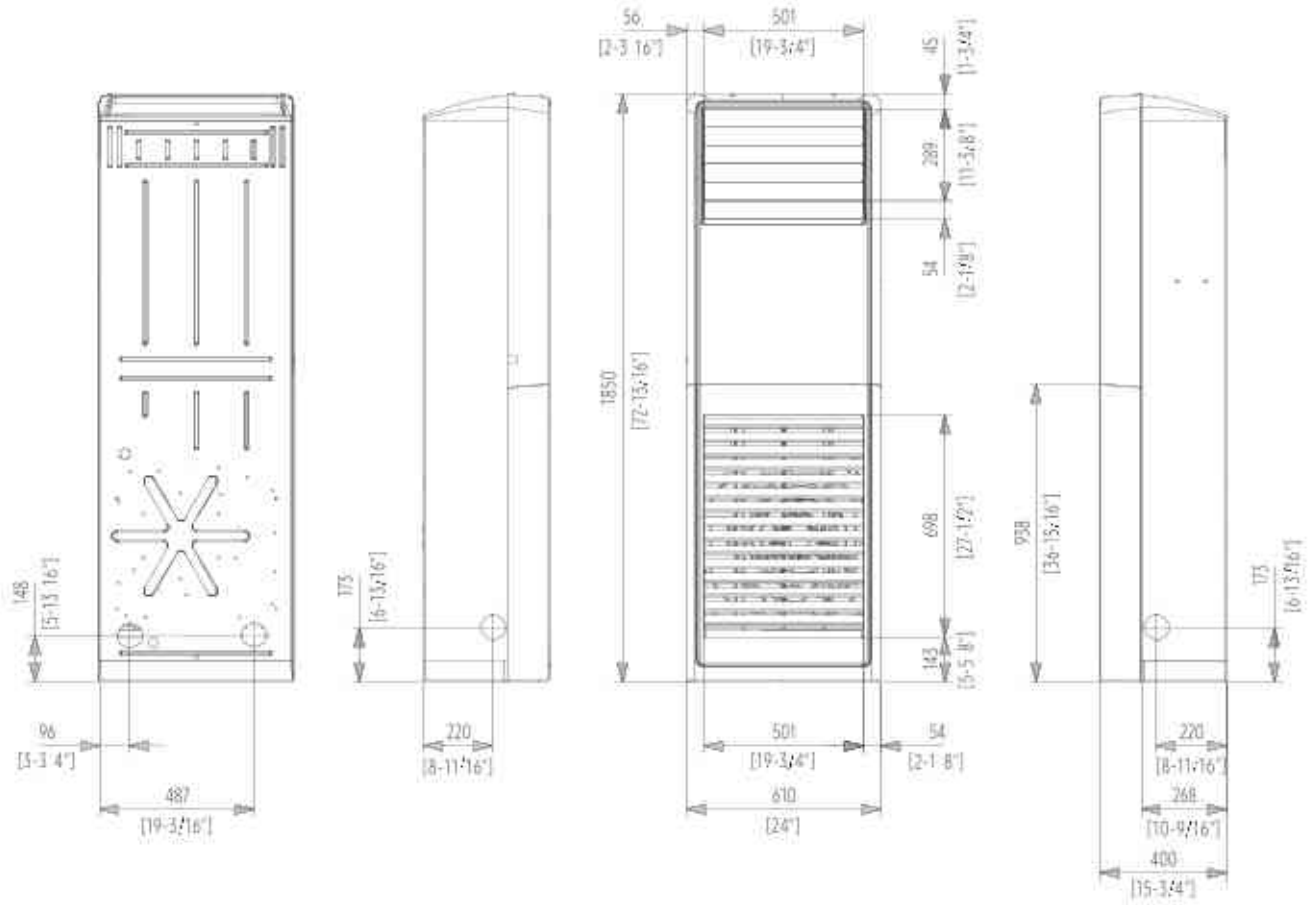
Wi-Fi Kit

MIM-H04EN

Dimensional drawings

Floor-Standing (R410A)

AC100/140BNPDKH/EU	Units: mm [inches]



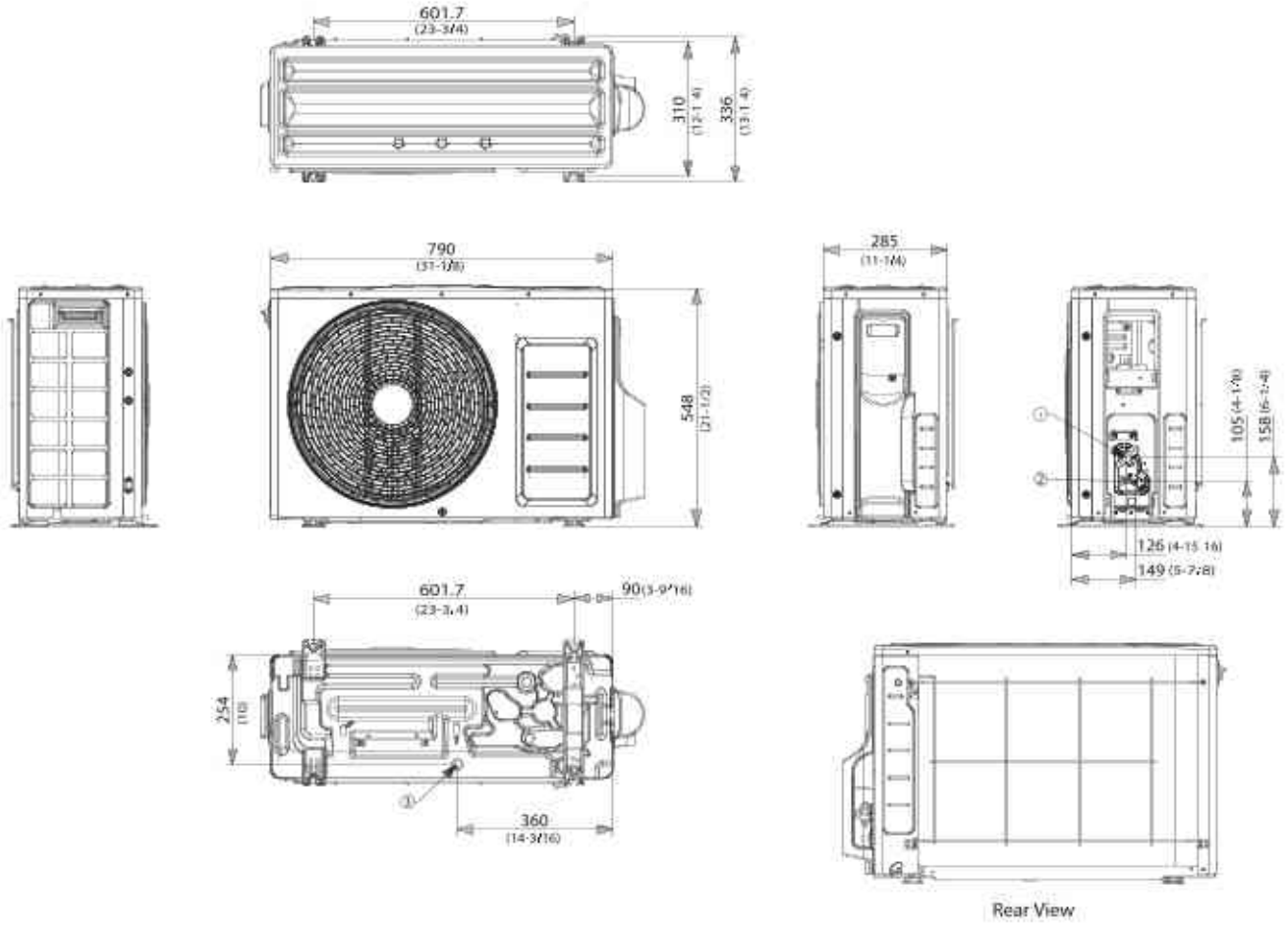
NO	Name	Description	
		AC100BNPDKH/EU	AC140BNPDKH/EU
1	Liquid pipe connection	9.52 (3/8")	9.52 (3/8")
2	Gas pipe connection	15.88 (5/8")	15.88 (5/8")
3	Drain pipe connection	-	-
4	Power supply & Communication wiring conduit	-	-

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Dimensional drawings

Outdoor Units (2.6kW/3.5kW)

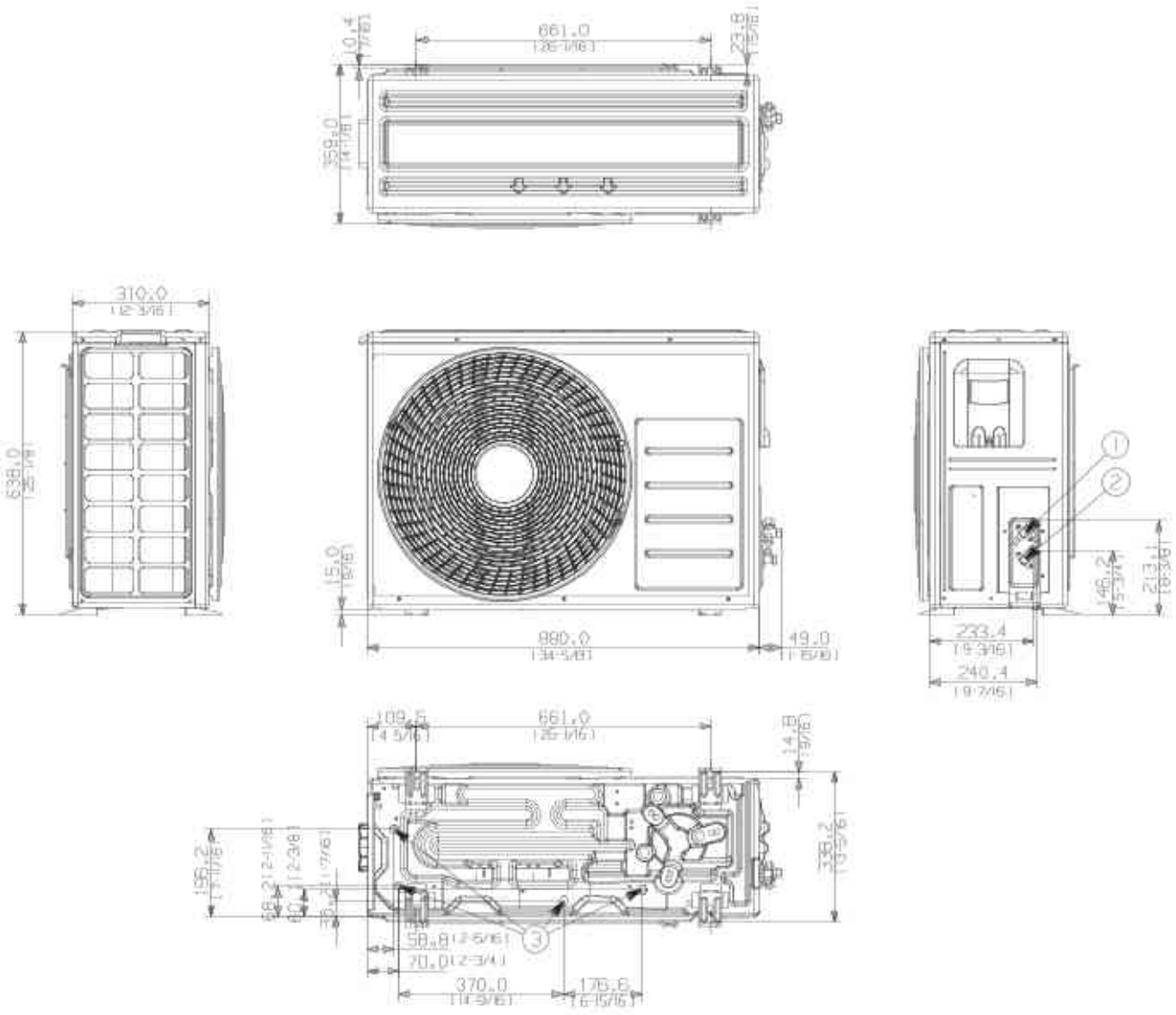
AC026/035RXADKG/EU	Units: mm [inches]



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]

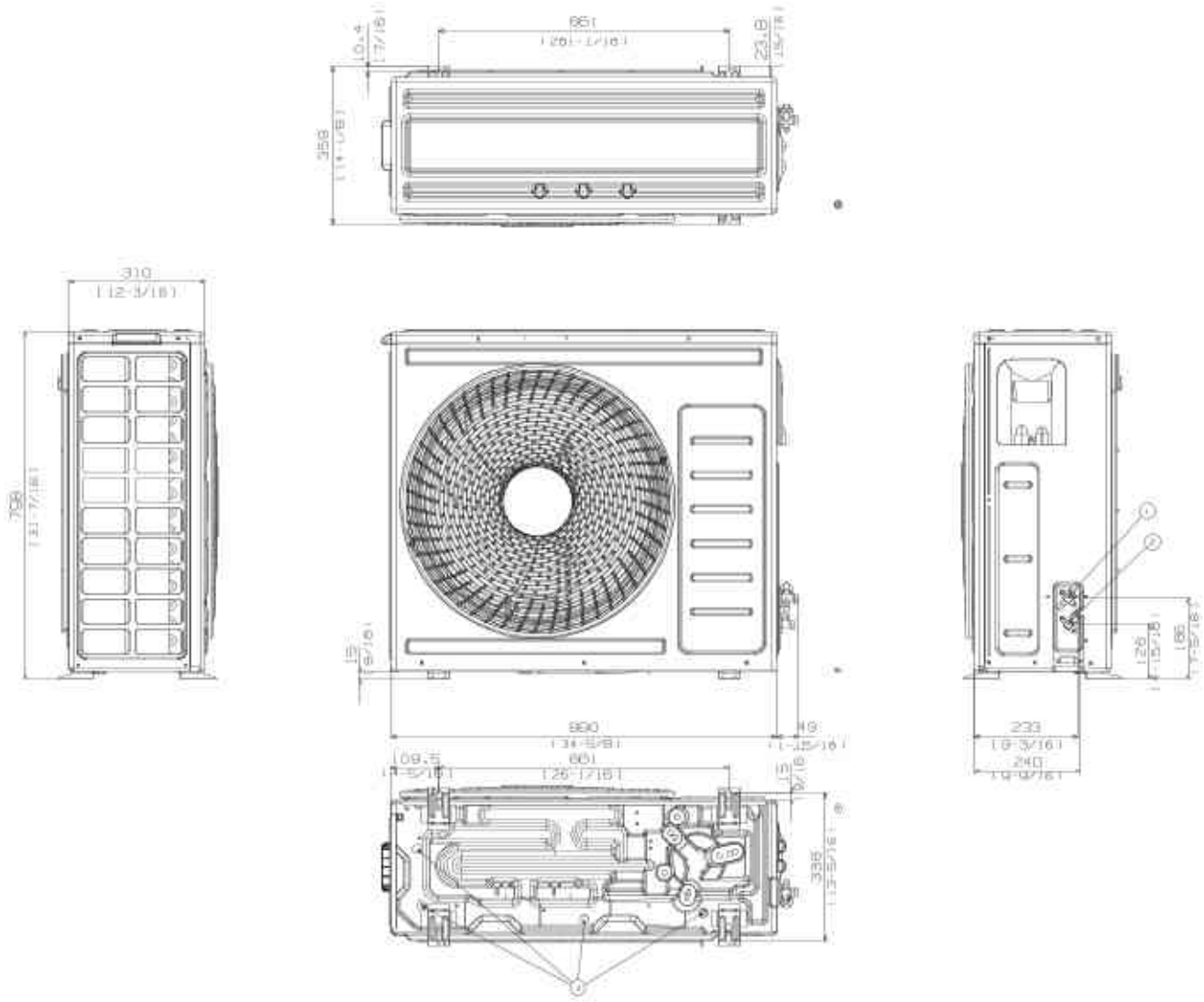


NO	Name	Description
1	Refrigerant gas pipe	ø12.70 (1/2)
2	Refrigerant liquid pipe	ø6.35 (1/4)
3	Drain hole	ø20

Dimensional drawings

Outdoor Units (7.1kW)

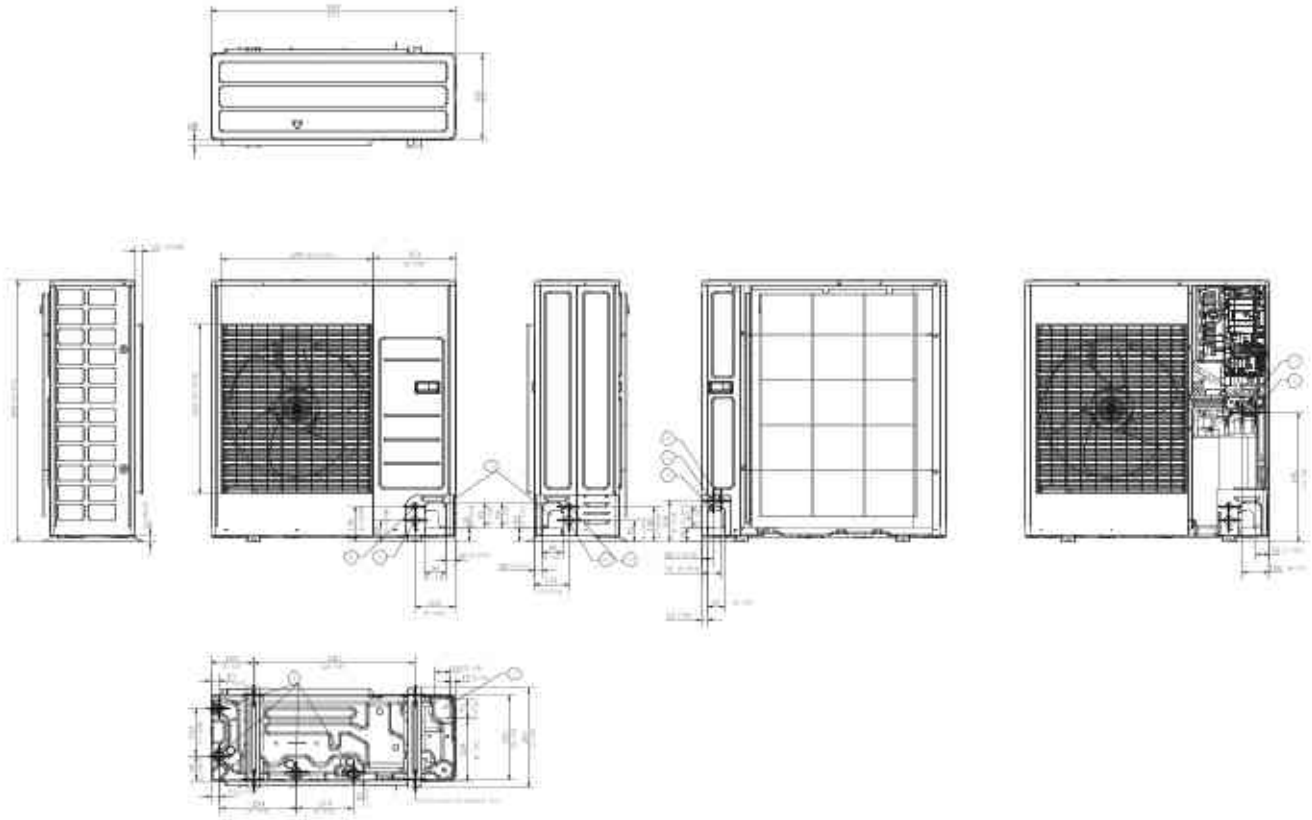
AC071RXADKG/EU	Units: mm [inches]



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]

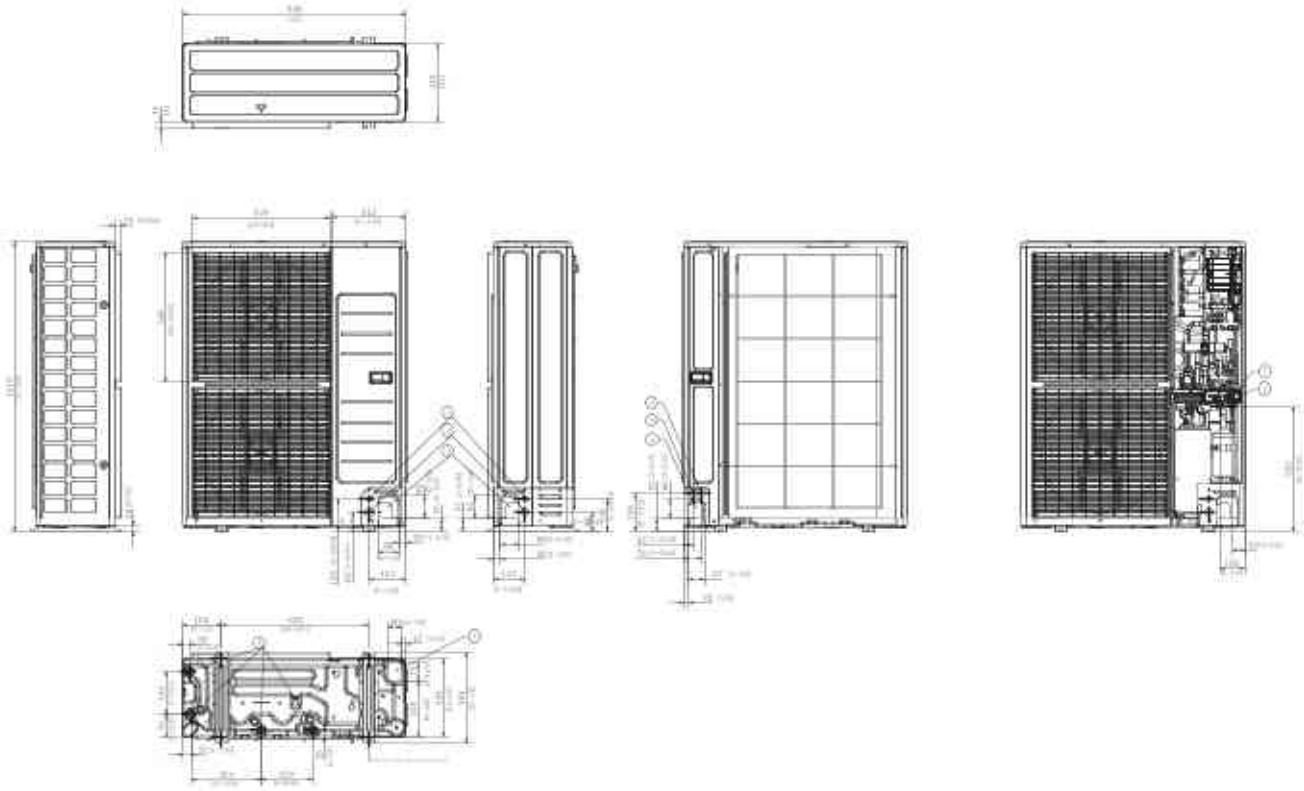


NO	Name	Description
1	Liquid pipe connection	ø9.52 (3/8)
2	Gas pipe connection	ø15.88 (5/8)
3	Piping intake knock-out hole	Front/Side/Rear/Bottom
4	Power wiring conduits	Front/Side/Rear, ø34 (ø1 3/8)
5	Communication wiring conduits	Front/Side/Rear, ø22 (ø7/8)
6	Drain hole	Connect with the provided drain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

Dimensional drawings

Outdoor Units (14kW)

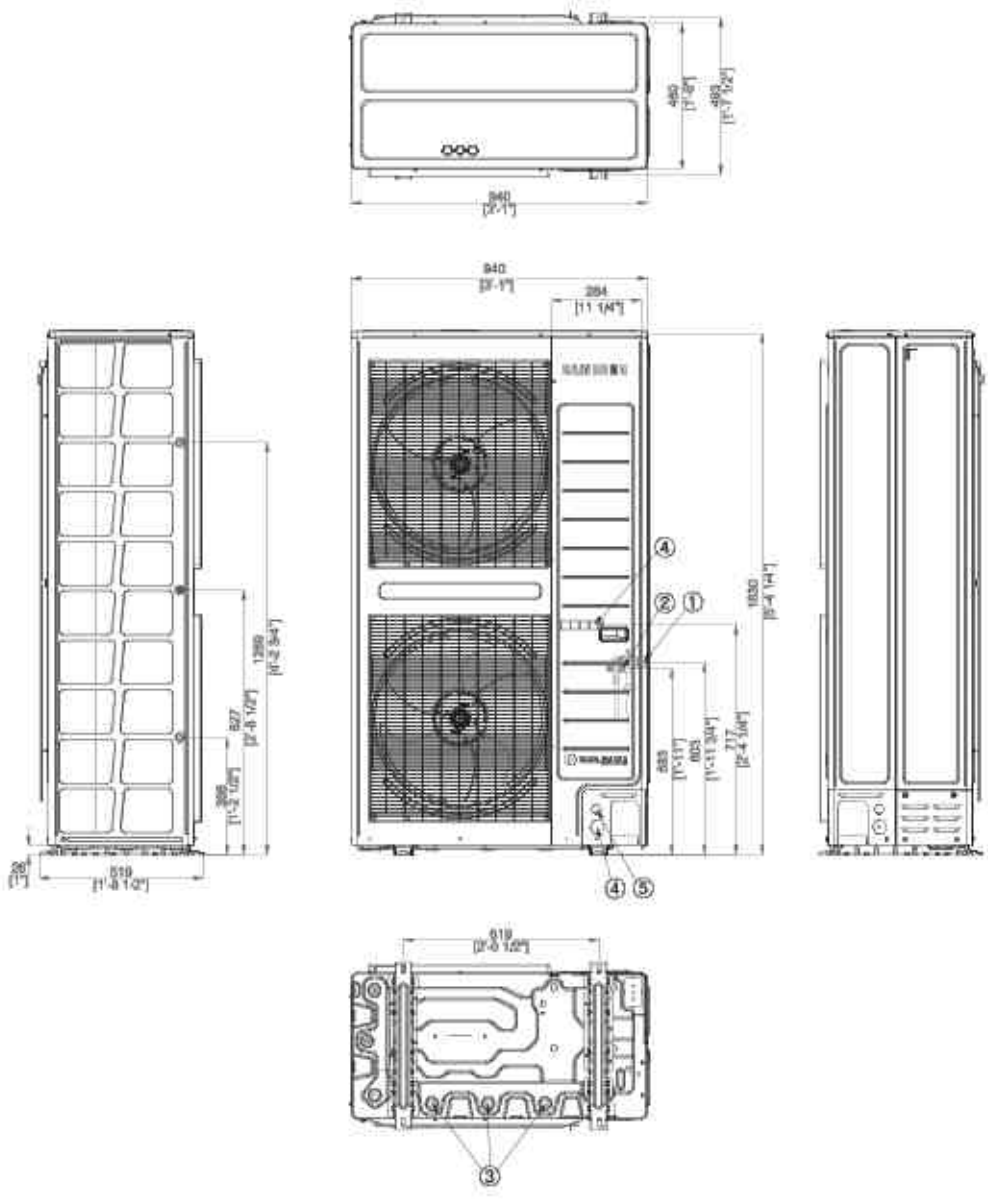
AC140RXAD*G/EU, AC140BXPDNH/EU — **Units: mm [inches]**



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]

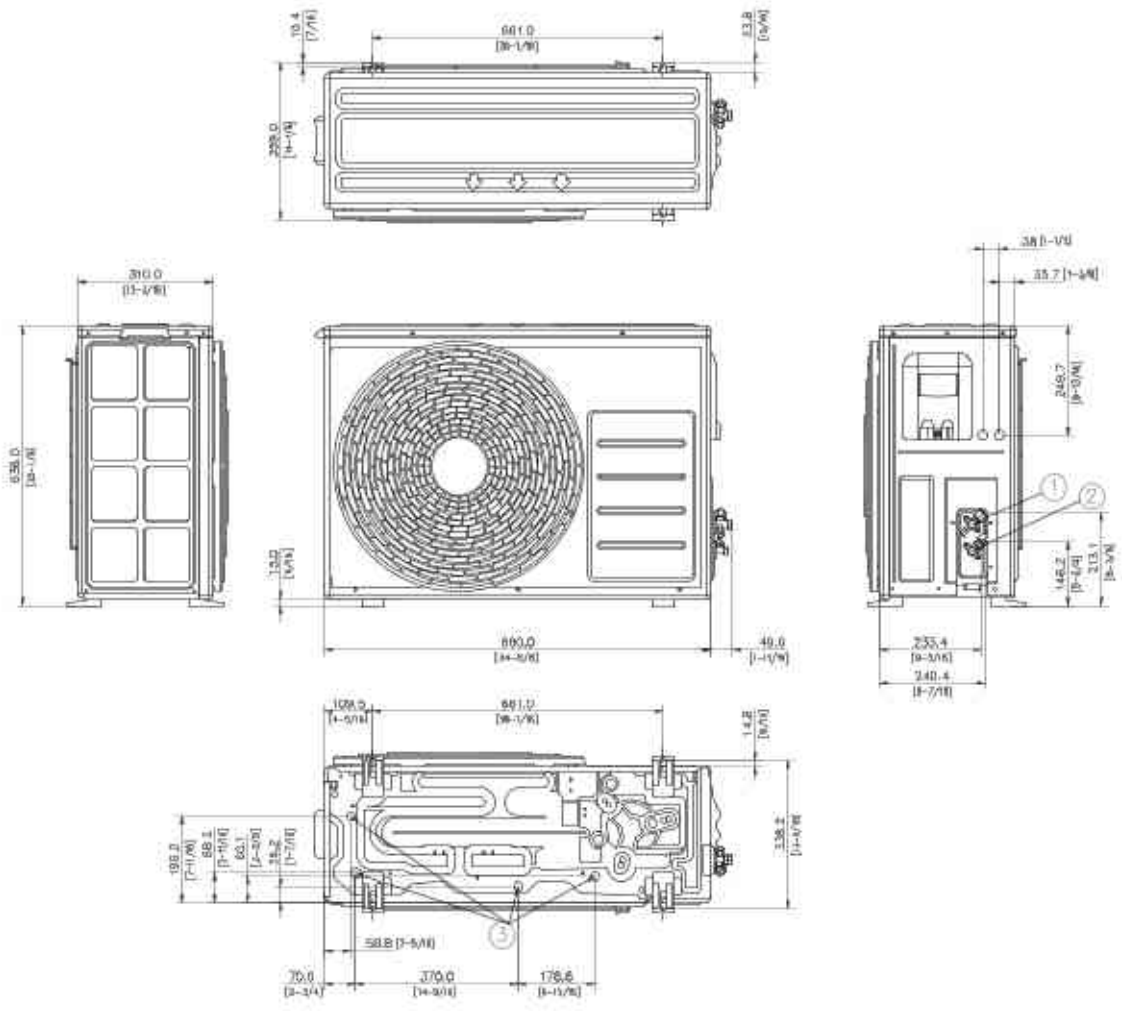


NO	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain hole
4	Power wiring conduits
5	Communication wiring conduits

Dimensional drawings

Outdoor Units HEE (2.6kW/3.5kW)

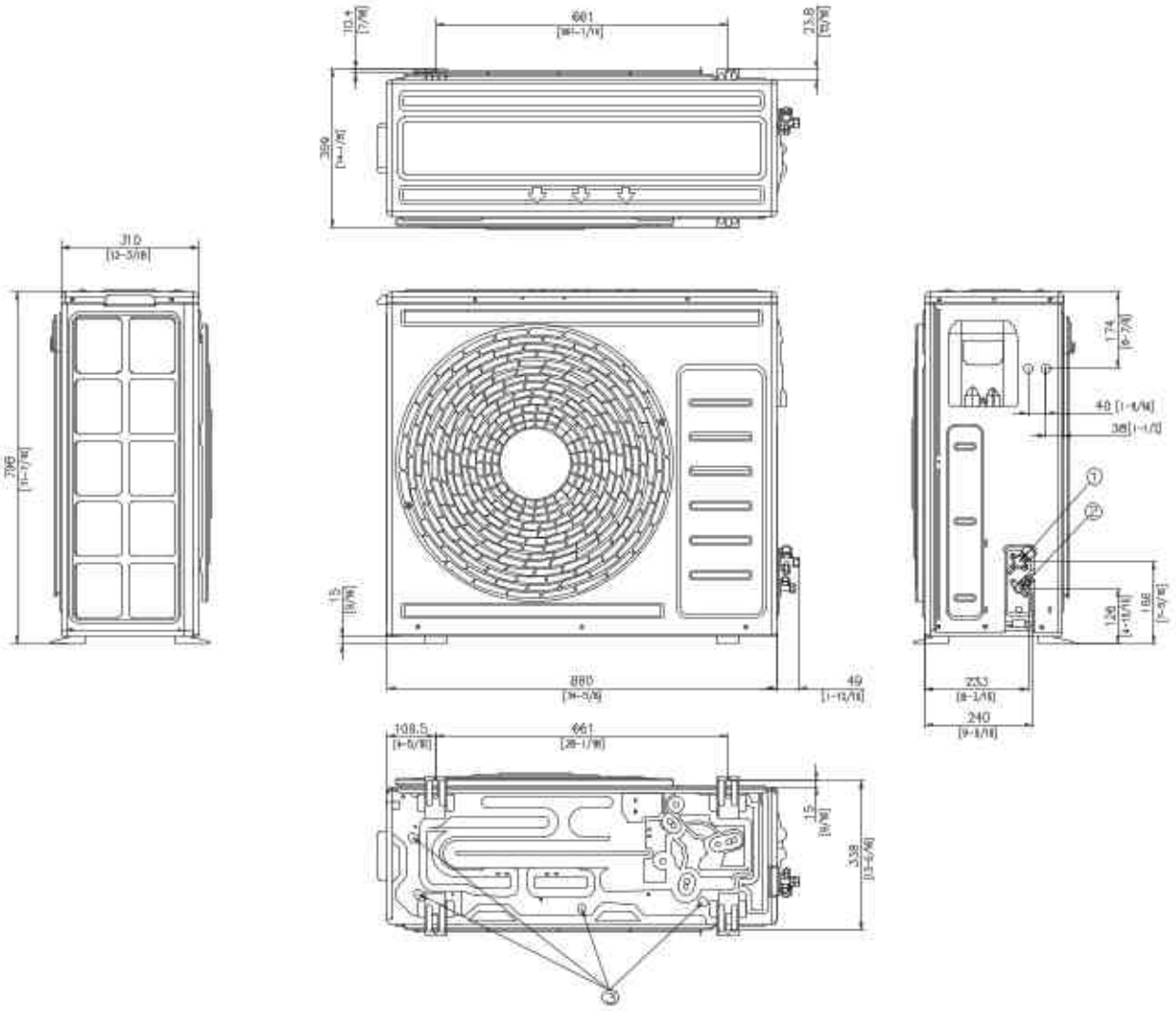
AC026/035BXAPKG/EU — **Units: mm [inches]**



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

Outdoor Units HEE (5.2kW/6.0kW)

AC052BXAPKG/EU	Units: mm [inches]

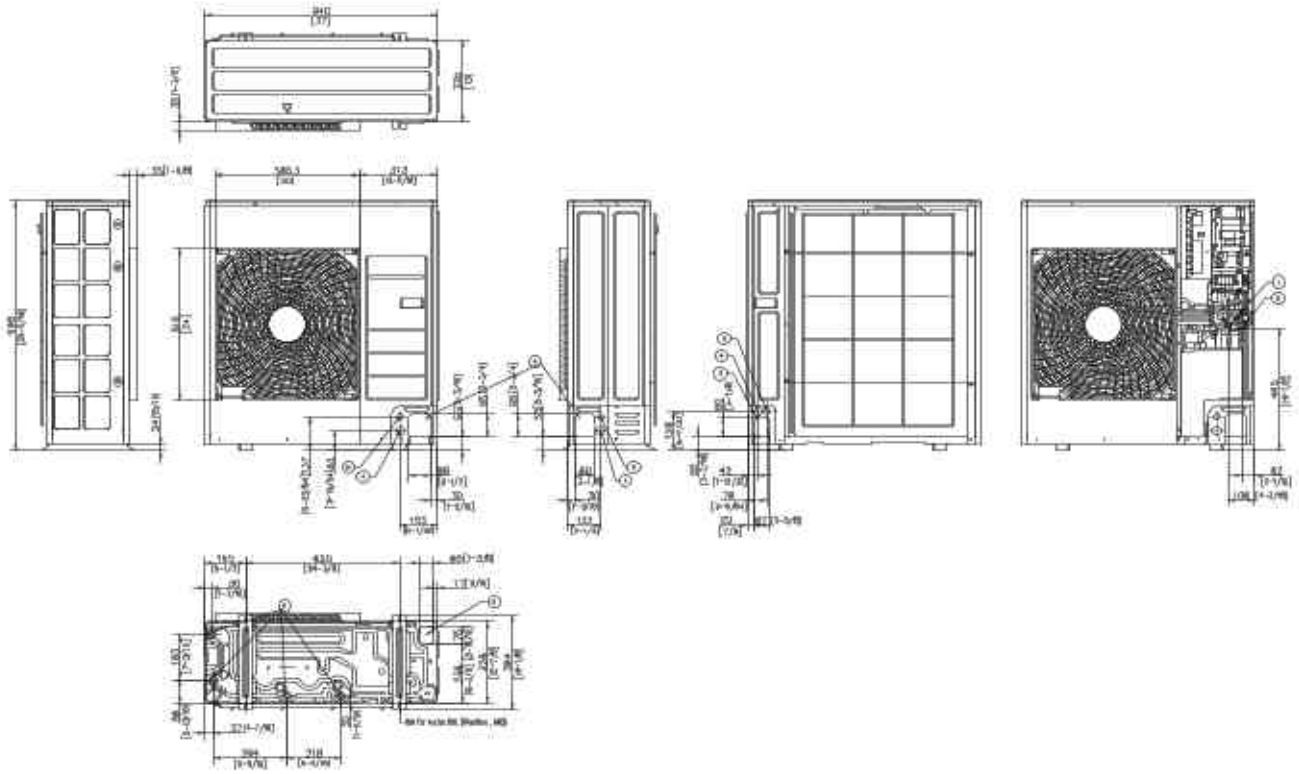


NO	Name	Description
1	Refrigerant gas pipe	Φ12.7 (1/2)
2	Refrigerant liquid pipe	Φ6.35 (1/4)
3	Drain Hole	Connection with the provided drain plug.

Dimensional drawings

Outdoor Units HEE (7.1kW)

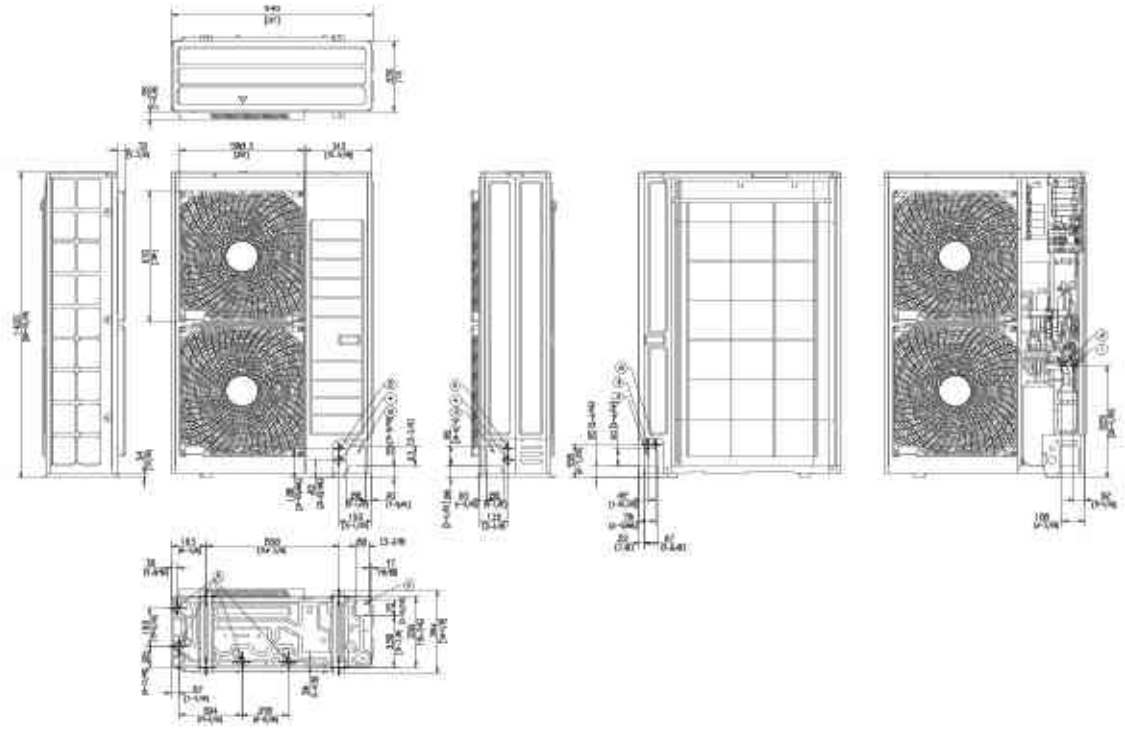
AC071BXAPKG/EU, AC071BXAPNG — Units: mm [inches]



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.

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Controls





System Air Conditioner

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*.

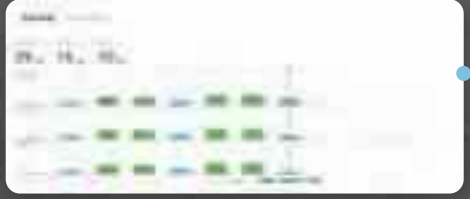


I Detailed view of energy consumption

* By day, week, month and year.
** 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.

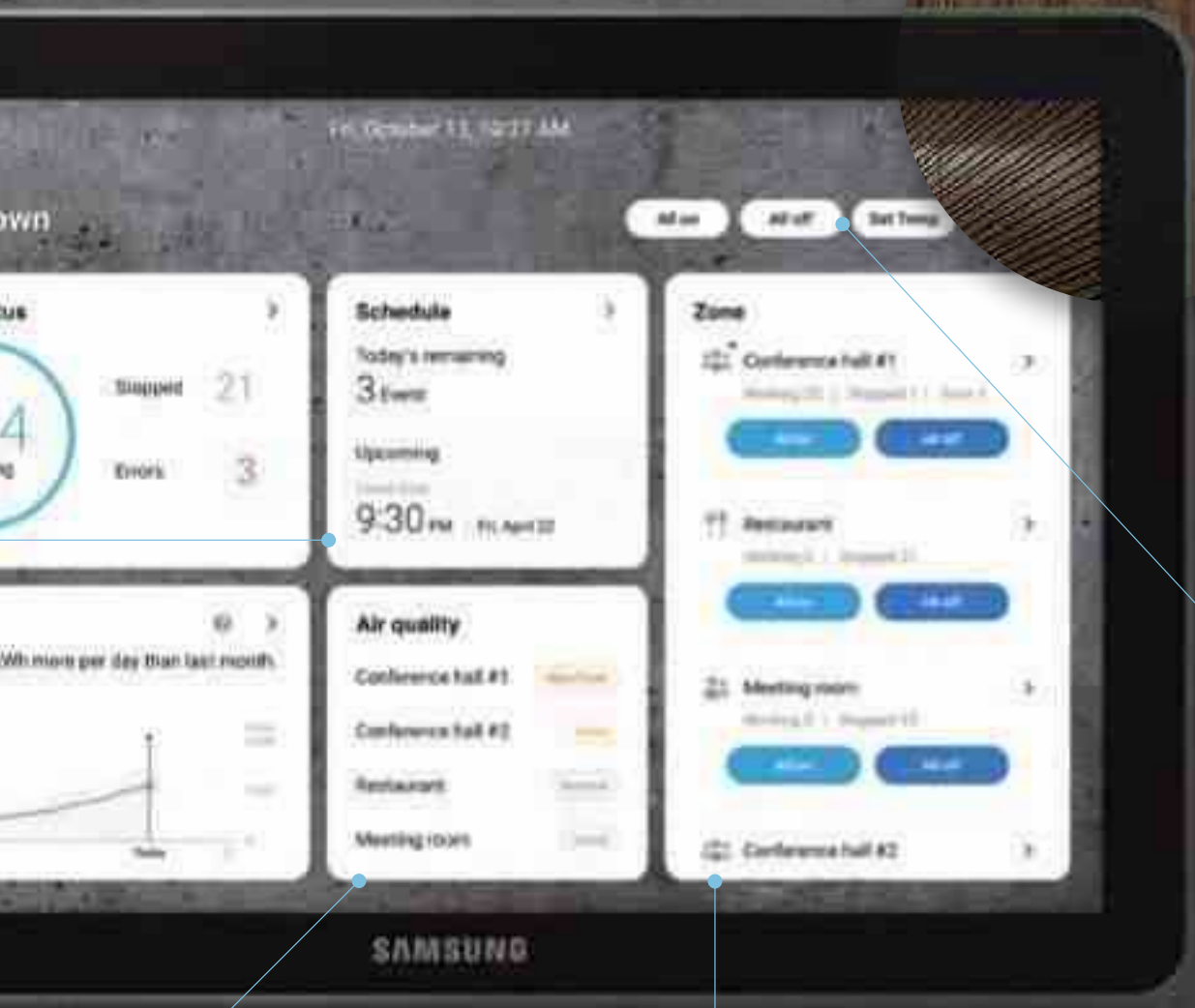


I Detailed view of the real-time air quality*

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



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.



Effortless Service

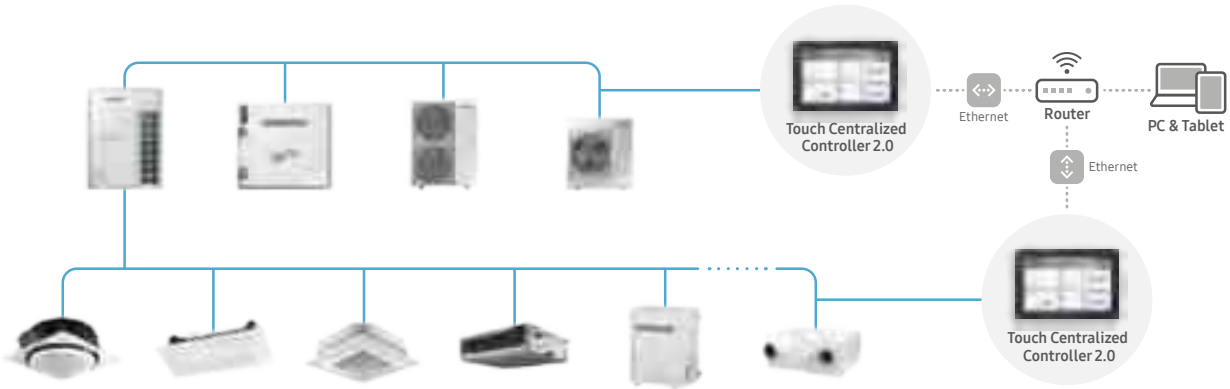
Service History

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 notificiation of errors
- Troubleshooting history management of up to 1 year



System Configuration



* Please contact your installer or sales expert of Samsung Air Conditioner to connect to ventilation systems (* shown above), inluding 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.

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)			₪
	Control (R1/R2)			₪
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)
		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			₪
	Power Consumption			₪
	Air Quality			₪
Expandable Device	In-site (Connection with Local Network)			PC/Tablet
	Supported Browser (PC/Tablet)			Web (Chrome)

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

Line-up

	Product	Model	Image	Matchable Products
Individual Control System	SolarCell Remote Controller	Included with RAC order AR-CH01E (order separately for FJM and CAC IDU)	 NEW	RAC WindFree™ Elite S2 RAC WindFree™ Avant Black RAC WindFree™ Avant S2 RAC WindFree™ Comfort S2 RAC Cebu S2
	Wireless Remote Controller	AR-EH03M AR-EH03E AR-EH04E**		FJM, CAC, DVM, FCU ** for CAC HEE
	Advanced Wired Controller	MWR-WG01JN MWR-WG01KN	 NEW	FJM, CAC, DVM, ERV Plus, HVM Chiller
	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		FJM, CAC, DVM, ERV Plus, HVM Chiller
	Wi-Fi Kit 2.0	MIM-H04EN		All (except HVM Chiller & 3rd party FCU)
	CAC R32 AHU kit	MXD-K100XN1		For CAC R32 and R410A (0-10V capacity control for R32 only)
	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 MIM-S10N (TBD)		
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		

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Features and Dimensional drawings

Individual Control System

Wireless Remote Controller / AR-CH01E

- Operation ON/OFF control
- Mode (Auto, Cool, Fan, Dry, Heat)
- Operation temperature setting
- Air flow direction
- Fan speed control
- Indoor unit option code setting

Options (depends on selected model code)
- Option/Setting selection/ Model selection (Standard/360)
- WindFree™ cooling function
- Long wind/Quiet/Purify/Turbo fan speed
- Filter replacement alarm reset
- Heating range (Temperature control in heat mode 8 °C to 30 °C)
- Individual blade control
- Auto Clean
- Motion detection
- Freeze wash
- Lighting/ Beep
- ON/OFF timer
- Good Sleep
- AI Features
- AI Comfort
- AI Diagnostics
- Power & Dimensions:
- 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



Wired Remote Controller / MWR-WG01JN & MWR-WG01KN NEW

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

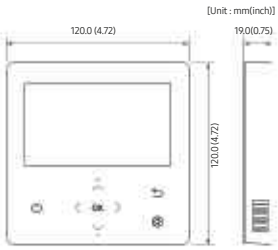
Energy saving operation
- Upper/lower temperature limit setting
- Automatically stops operating when not used for certain period of time as set by user

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-WG01JN: English, French, Spanish, Portuguese, Dutch, German
- MWR-WG01KN: 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

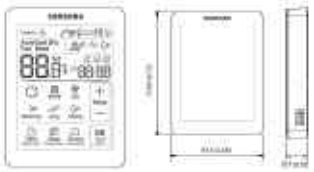




Touch Controller / MWR-SH11N

- 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



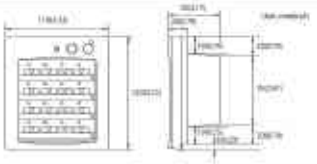


Centralised Control System

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 **NEW**
- Intuitive control (2D layout view) **NEW**
- Remote control by PC/Tablet (In-site) **NEW**
- Net dimensions (W x H x D): 245.7 x 164.5 x 30.9 mm





Wi-Fi Kit 2.0 / MIM-H04EN

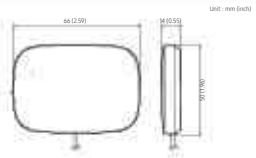
- Enhanced Convenience
- Voice Control available through a smartphone with Bixby
- Connected home with affordable units in every home using SmartThings
- Welcome cooling and heating based on Geo-fencing
- Individual indoor unit control
- Personalized Climate Environment
- Preferred automation
- Multi-device 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
- Compatible with CAC HEE Cassette (WindFree™ 4 Way, WindFree™ 4 Way 600x600, 360 Cassette)



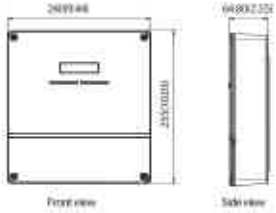


Integrated Control Systems

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 reduces 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.x or newer)



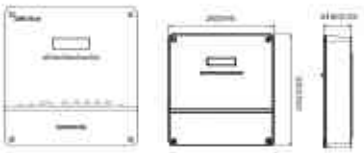
Gateway System

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

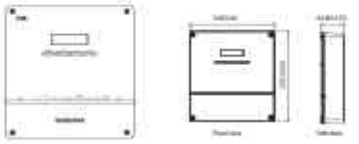




PIM (Pulse Interface Module) / MIM-B16N

- 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



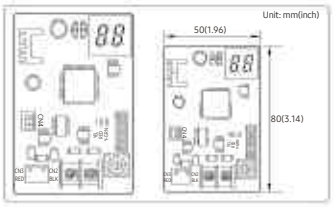


Modbus Interface Module / MIM-B19N

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

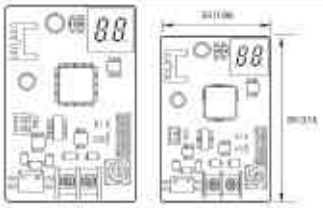




Interface Module / MIM-N01

- 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



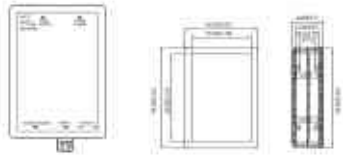


Installation/Test Run Solution

S-Converter / MIM-C02N / MIM-S10N (TBD)

- 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



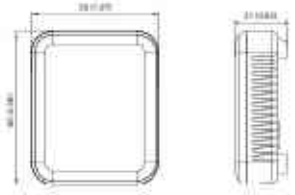


Others

External Room Sensor / MRW-TA

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

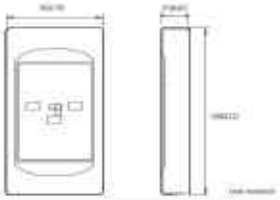




Operation Mode Selection Switch / MCM-C200

- 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

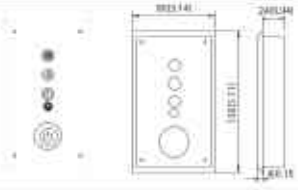




Wireless Receiver Kit / MRK-A10N

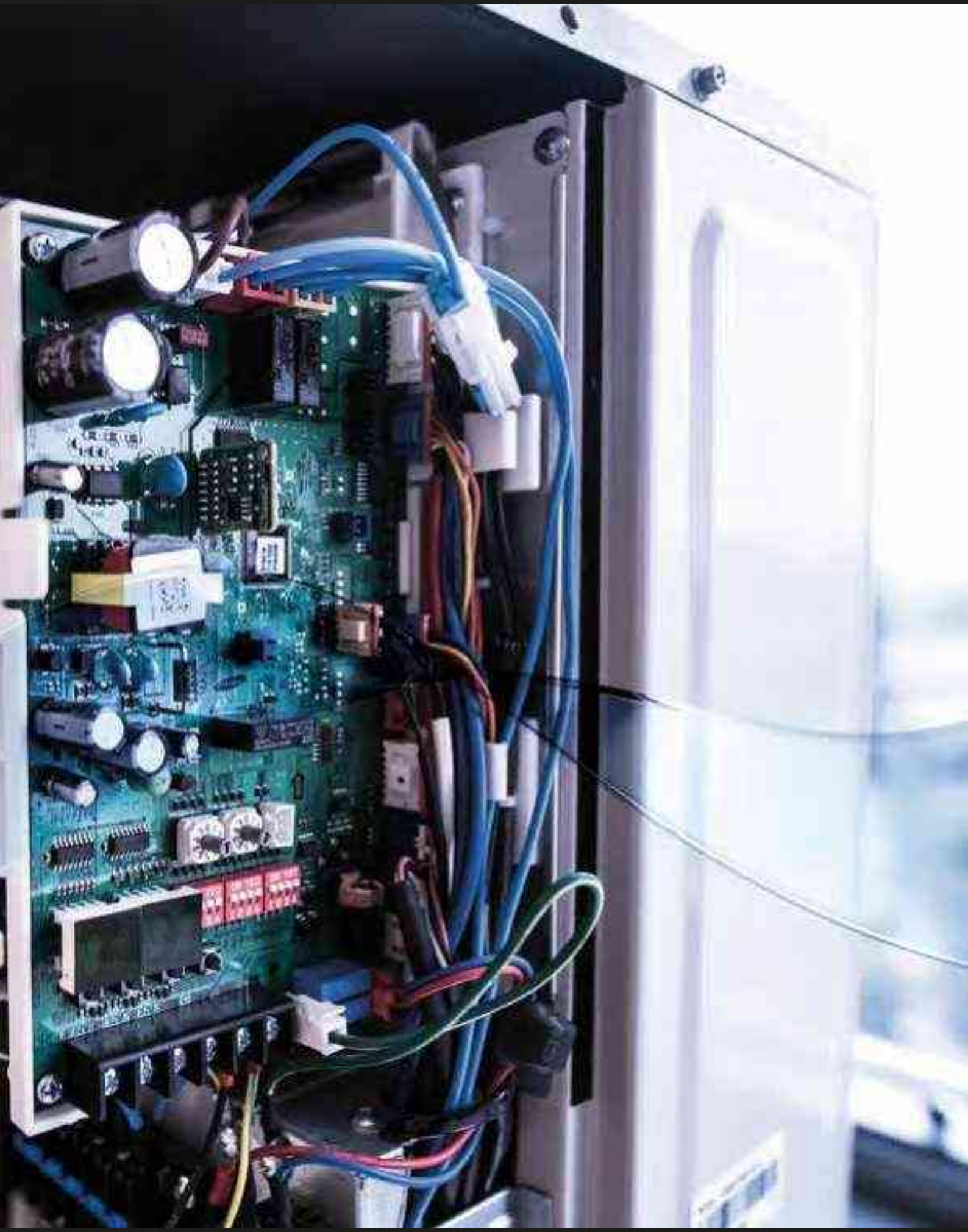
- Concealed wireless signal receiver
- Filter replacement sign
- Fan operation display
- Operation Timer setting display
- Operation ON/OFF button
- Operation On display LED (blue)
- Defrost operation display LED (red)





Accessories





Line-up panels

360 Cassette Front Panel

Motion Detect Sensor






	White Circle (Exposed installation)	Black Circle (Exposed installation)	White Square	Black Square	
Standard	**PC4NUNMAN**	**PC4NBNMAN**	**PC4NUDMAN**	**PC4NBDMAN**	**MCR-SME**
Standard Air Purification	**PC6EUCMAN**	-	-	-	
Standard Auto Elevation	**PC6EUXMAN**	-	-	-	
Universal SmartThings	**PC6EUSMANW**	**PC6EBSMANW**	**PC6NUSMANW**	**PC6NBSMANW**	
NEW Universal SmartThings Air Purification	**PC6EUCMANW**	-	-	-	
Universal SmartThings Auto Elevation	**PC6EUXMANW**	-	-	-	

WindFree™ 4-Way Cassette Front Panel

Motion Detect Sensor








	600x600 Mini White	900x900 White	900x900 Black	900 x 900	600 x 600
Standard	**PC4SUFMAN**	**PC4NUFMAN**	-	**MCR-SMC**	**MCR-SMD**
Standard Air Purification	-	**PC4NUCEAN**	-		
Standard Auto Elevation	-	**PC4NUXMAN**	-		
Universal SmartThings	**PC4SUFMANW**	**PC4NUFMANW**	**PC4NBFMANW**		
NEW Universal SmartThings Air Purification	-	**PC4NUCMANW**	-		
Universal SmartThings Auto Elevation	-	**PC4NUXMANW**	-		

WindFree™ 1-Way Cassette Front Panel





	1.7~2.2 kW	2.8~3.6 kW	5.6~7.1 kW
Standard	**PC1MWFMAN**	**PC1NWFMAN**	**PC1BWFMAN**
FCU	-	**PC1NWFMBN**	**PC1BWFMBN**
Universal SmartThings	**PC1MWFMANW**	**PC1NWFMANW**	**PC1BWFMANW**
NEW Universal SmartThings Air Purification	**PC1MWCMANW**	**PC1NWCMANW**	**PC1BWCMANW**

New Panel model codes ending with W in blue color are equipped with a factory-integrated Wi-Fi kit (MIM-H14EN), enabling seamless management of indoor units directly through the intuitive SmartThings App

*Only compatible with Universal DVM and CAC HEE Indoor Units.

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-N047SNC1D	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

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Design and support



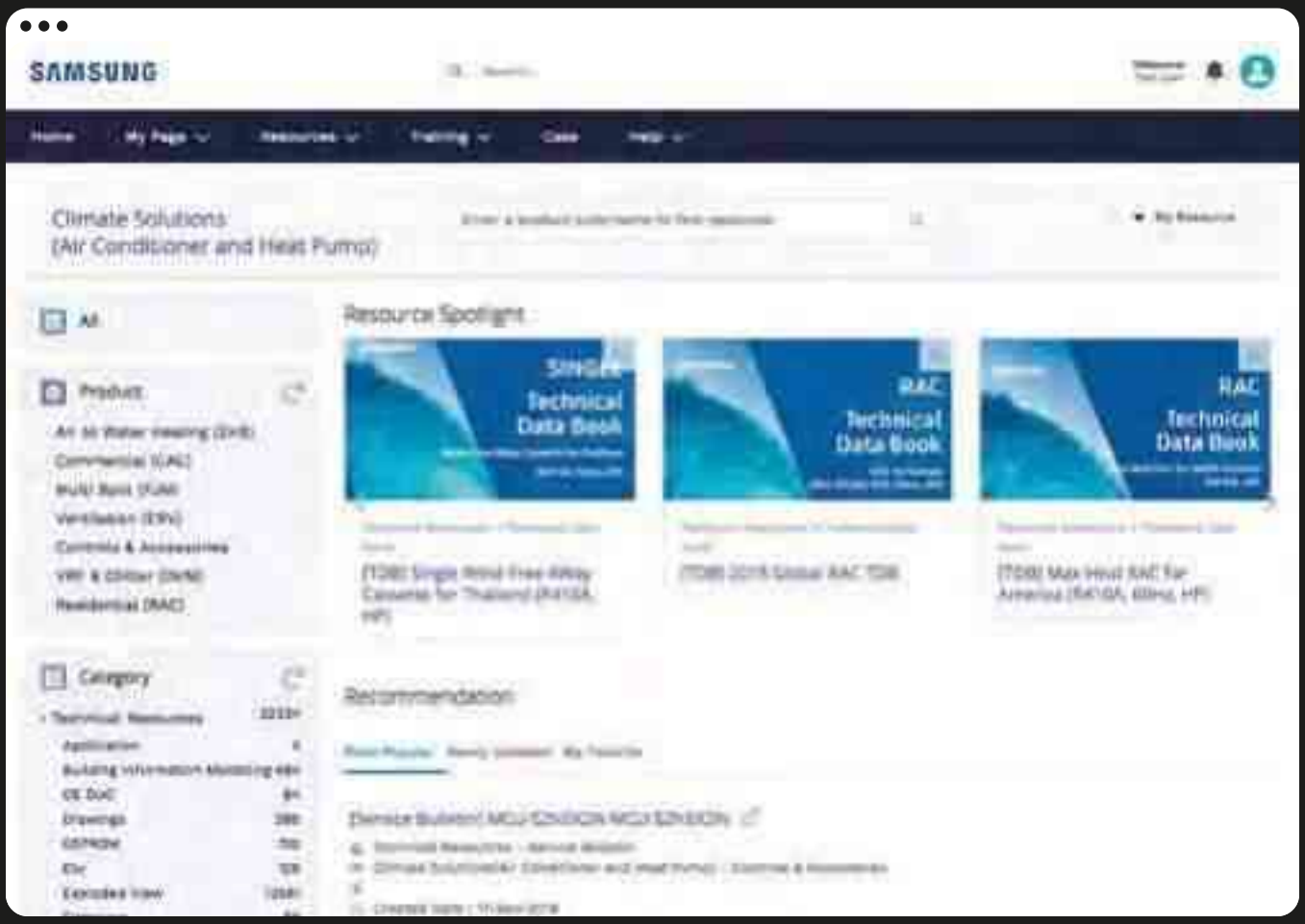

Welcome to the
Samsung Partner Porta
Welcome to the

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.

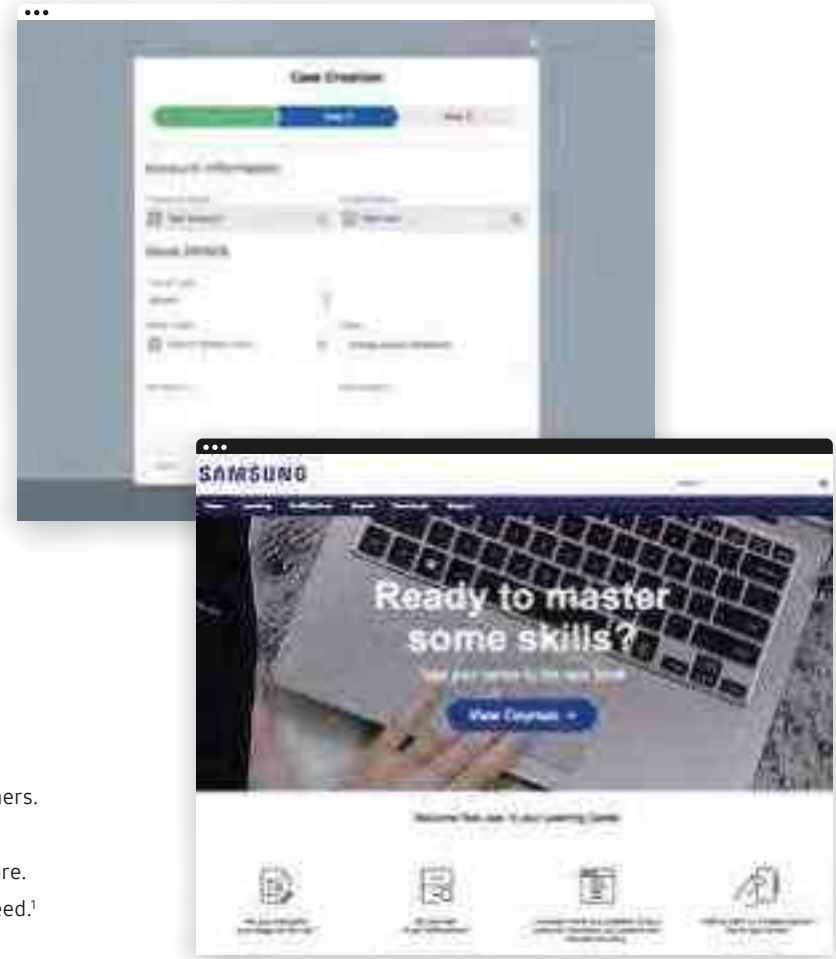
Access technical resources

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 browser[1] 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

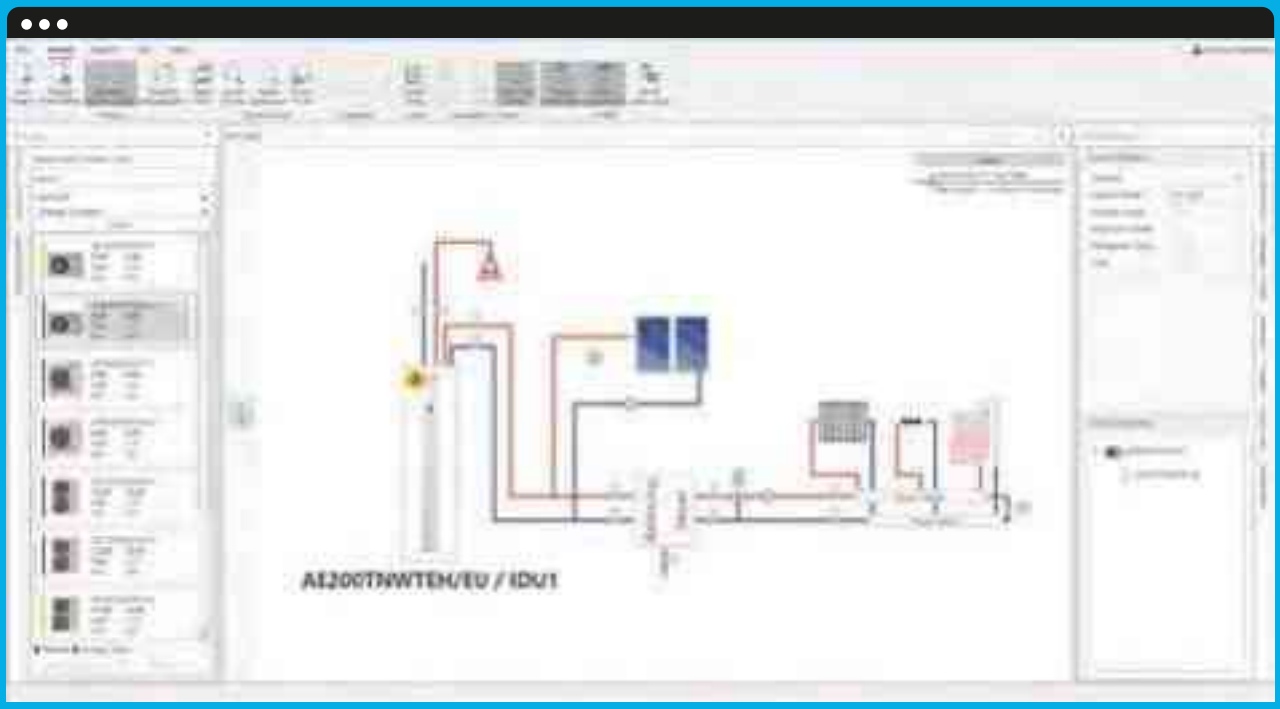
Control systems
Automatic control unit selection

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.

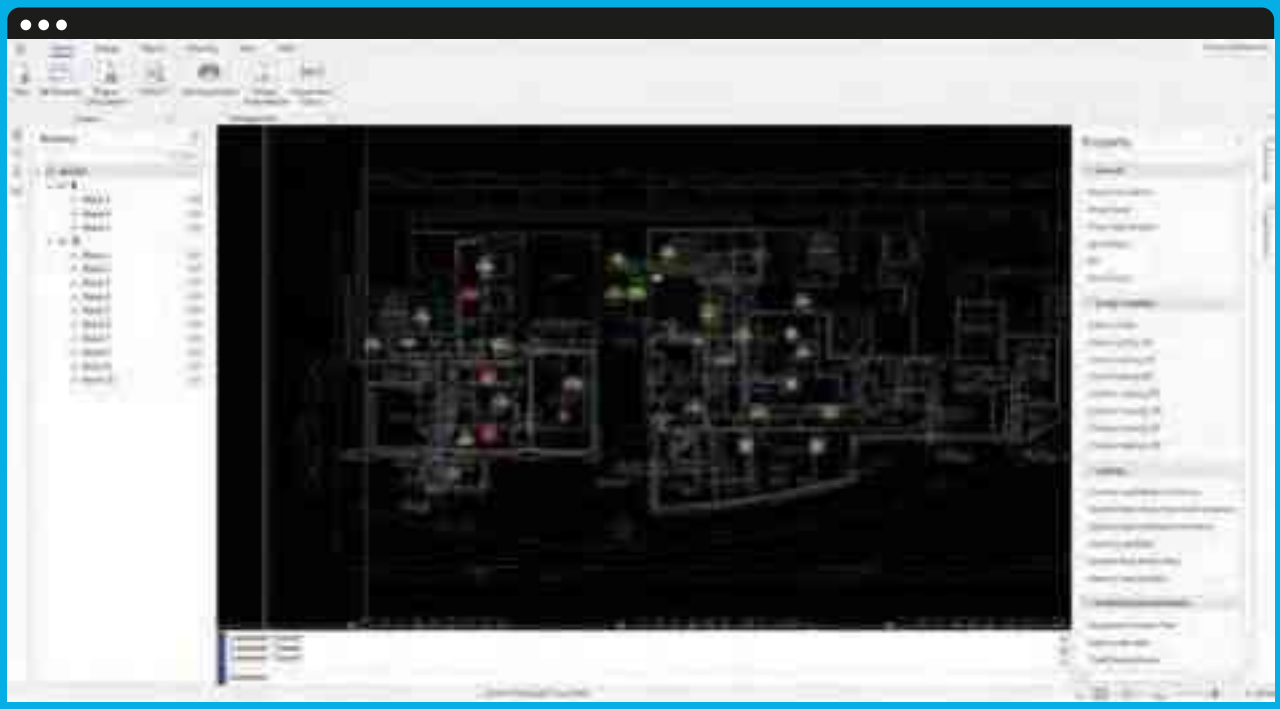
Pipe sizing & lengths
Automatic pipe drawing and selection

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



[1] 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 Portal[1]. 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.

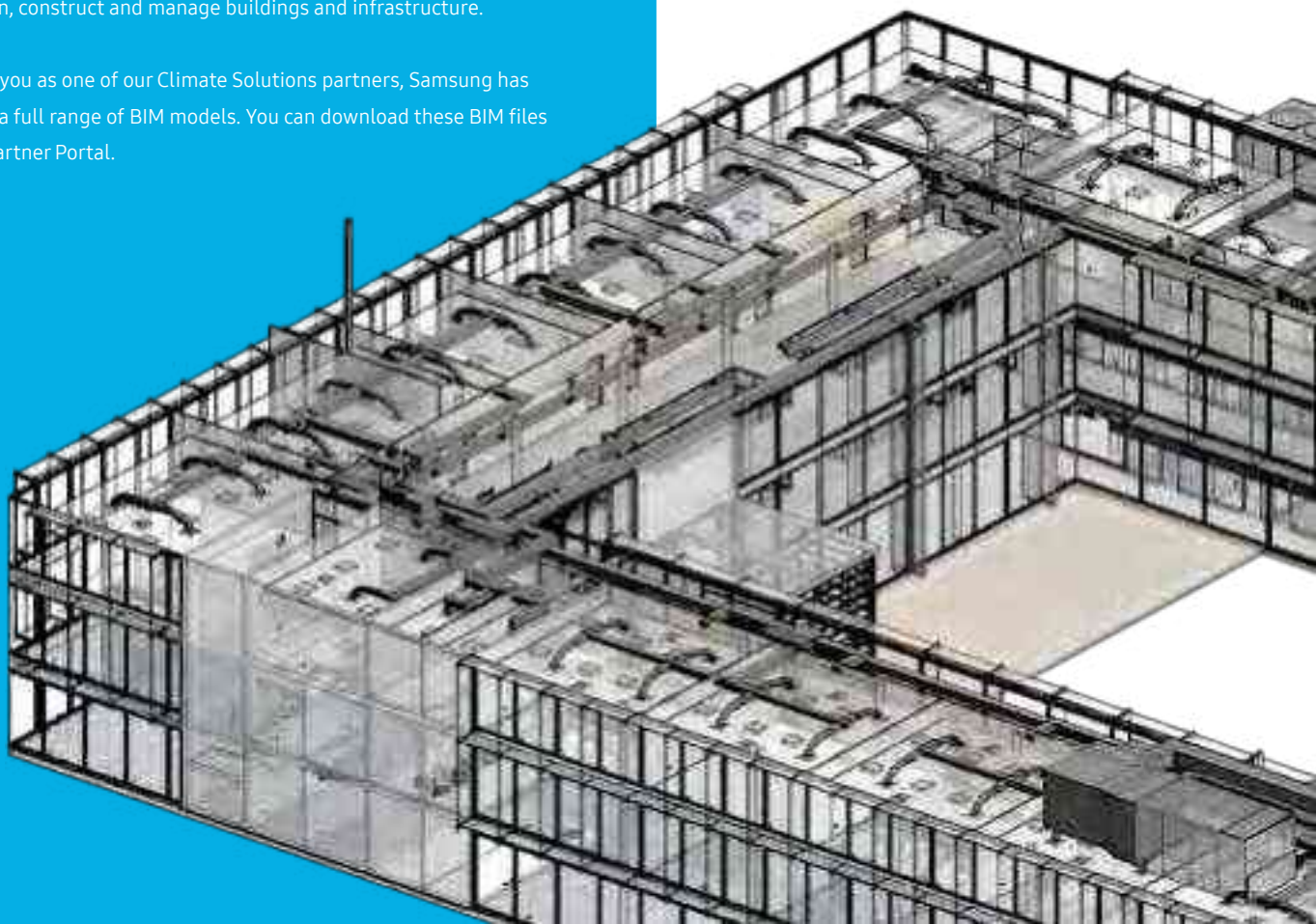
Samsung specialist design support

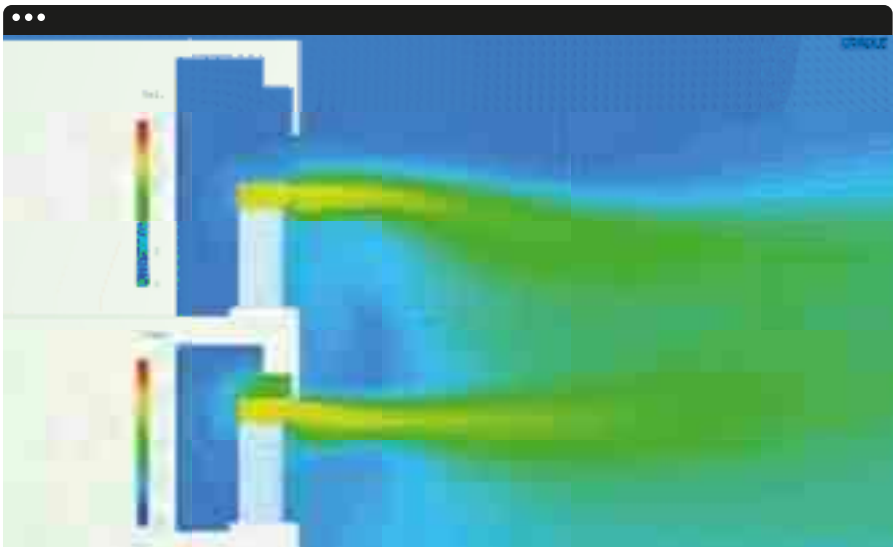
Bringing together technical expertise and practical experience in climate system design, Samsung provides a single point of contact for the design and management of cooling and heating installations in buildings. With assistance ranging from 3D visualisations with BIM support to CFD analysis to optimise 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 (BRE[1] 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

BREEAM®

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 tho Technical Resources on partnerhub.samsung.com/climate[1]. 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

1

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

Advanced courses

Technical training

2

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

Advanced courses

Design training

3

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

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

Samsung training centres in Europe

Amsterdam
The Netherlands

Athens
Greece

Lisbon
Portugal

Lyon
France

Manchester
United Kingdom

Chertsey
United Kingdom

Madrid
Spain

Milan
Italy

Warsaw
Poland

Zagreb
Croatia







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.

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

Notes

Notes

SAMSUNG

Find your flow.

Create your perfect environment

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

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