SAMSUNG

Climate Solutions



Product Catalogue

Residential & Light Commercial

2020

Highlights for 2020

Wind-Free™

Samsung introduced the market's first air conditioner with Wind-Free™ technology in 2017. Wind-Free™ Cooling disperses fresh air gently and evenly through thousands of micro-holes, creating "Still Air" conditions[1]. It allows people to live, work and relax comfortably without experiencing unpleasant cold drafts. For 2020, Samsung is introducing a completely new Wind-Free™ range in a modernised design, featuring new intelligent technologies for enhanced indoor comfort and improved energy efficiency.

With the announcement of the new Wind-Free™ range, Samsung simultaneously renews its offer of other wall-mounted air conditioners for 2020. Superseding the New Triangle and Boracay models, the new Samsung Cebu and Luzon models benefit from similar technological improvements and feature the same newly designed platform with a rectangular and clean silhouette, that fits harmoniously into any space.



NEW

Wind-Free™ Elite

A+++ | A+++



- New compressor with Digital Inverter Boost technology for improved energy efficiency.
- Equipped with NASA communication protocol.
- Available for Residential (RAC) in capacity range 2.5–3.5 kW.
- Available for Multi Split (FJM) in capacity range 2.0–6.8 kW.



NEW

Wind-Free™ Avant

A++ | A++



- New compressor with Digital Inverter Boost technology for improved energy efficiency.
- Equipped with NASA communication protocol.
- Available for Residential (RAC) in capacity range 2.5–6.8 kW.
- Available for Multi Split (FJM) in capacity range 2.0–6.8 kW.
- Available from mid-2020 for Commercial (CAC) in capacity range 2.6–7.1 kW.



NEW

Wind-Free™ Comfort

A++ | A+



- New compressor with Digital Inverter Boost technology for improved energy efficiency.
- Equipped with NASA communication protocol.
- Available for Residential (RAC) in capacity range 2.5–6.8 kW.
- Available for Multi Split (FJM) in capacity range 2.0–6.8 kW.

[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.

NEW

Cebu

A++ | A+



- New compressor with Digital Inverter Boost technology for improved energy efficiency.
- Equipped with NASA communication protocol.
- Available for Residential (RAC) in capacity range 2.5–6.8 kW.
- Available for Multi Split (FJM) in capacity range 2.0–6.8 kW.



NEW

Luzon

A++ | A+



- New compressor with Digital Inverter Boost technology for improved energy efficiency.
- Equipped with NASA communication protocol.
- Available for Residential (RAC) in capacity range 2.5–6.8 kW.
- Available for Multi Split (FJM) in capacity range 2.0–6.8 kW.



AR35 and AR30

A++ | A+



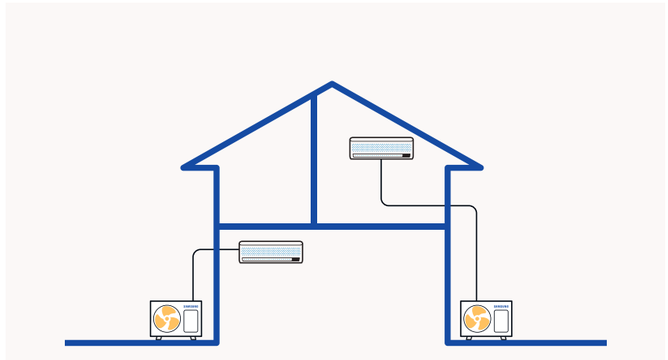
- AR35 available for Residential (RAC) in capacity range 2.5–6.8 kW.
- AR30 available for Residential (RAC) in capacity range 2.5–3.5 kW.

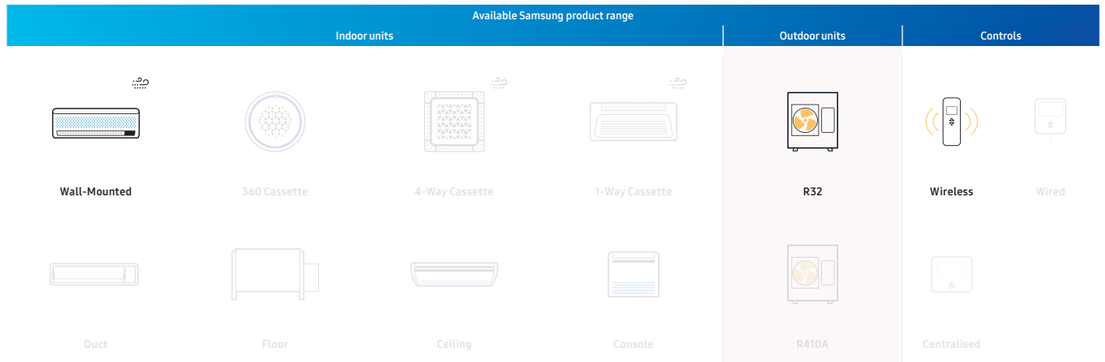
Energy labels as shown are based on 9k Btu versions and are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.
For more detailed product information and technical specifications, please consult the respective product pages of this Product Catalogue.

Product overview

Residential (RAC)

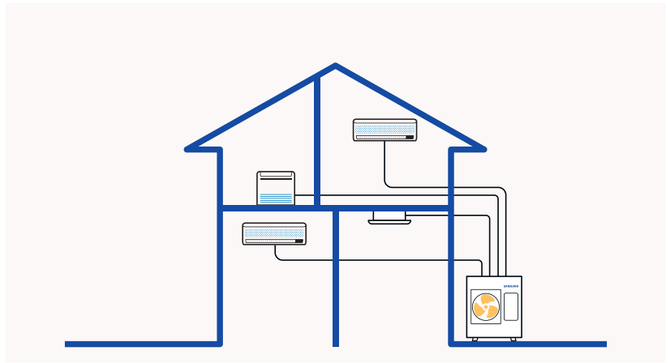
A Samsung Residential single split air conditioner is relatively easy to install and connects an outdoor unit to one single wall-mounted indoor unit. It is an ideal climate solution for the targeted cooling or heating of single rooms, ranging from living rooms to bedrooms.

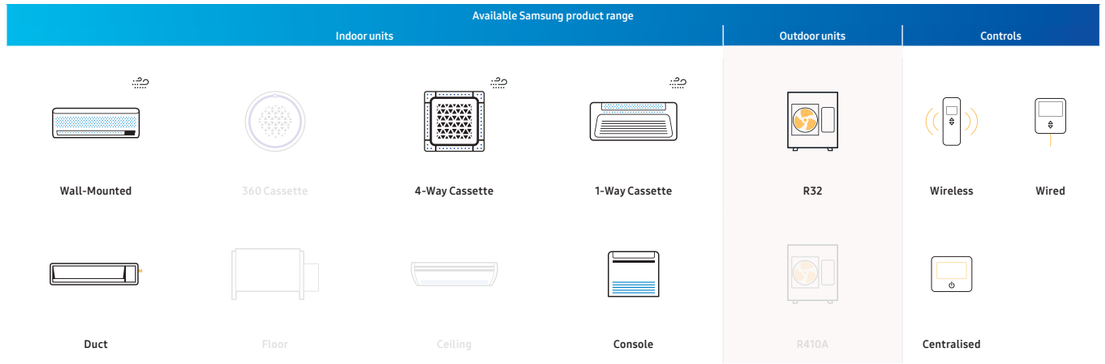




Multi Split (FJM)

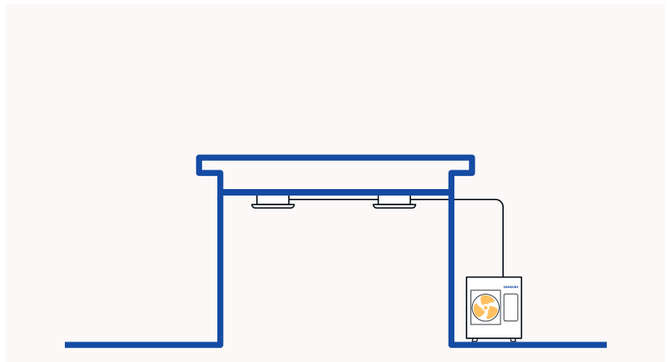
The versatility of a Samsung Multi Split air conditioner allows the option of connecting an outdoor unit to up to five indoor units. This is the recommended option when the indoor climate of multiple rooms has to be individually managed, such as in houses or small business premises.

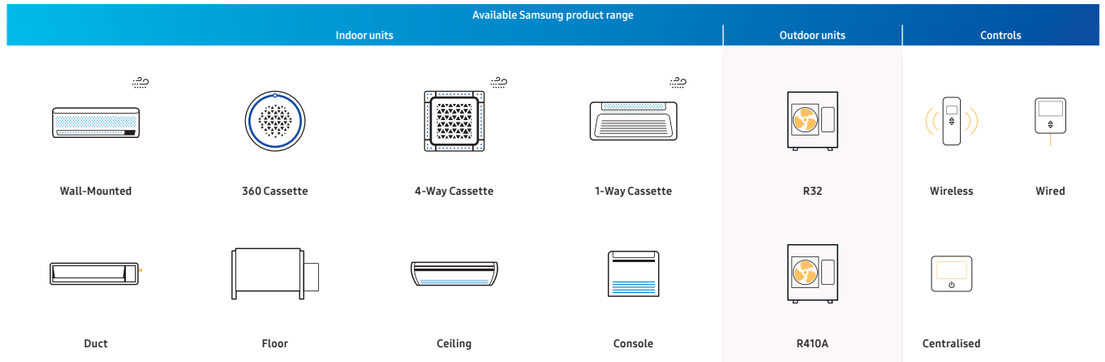




Commercial (CAC)

A Samsung Commercial 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.





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.

= available as Wind-Free™. Wind-Free™ version of Wall-Mounted for Commercial (CAC) will be available from mid-2020.

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MSP Duct
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Wind-Free™ Mini 4-Way Cassette MARKET FIRST
Wind-Free™ 4-Way Cassette MARKET FIRST
Wind-Free™ 1-Way Cassette MARKET FIRST
LSP Duct
MSP Duct
HSP Duct
Triangle Wall-Mounted
Max Wall-Mounted
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Ceiling
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4-Way Cassette High Efficiency
Mini 4-Way Cassette High Efficiency
MSP Duct High Efficiency
Max Wall-Mounted High Efficiency

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Design and support
Samsung Climate Solutions Partner Portal
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 direct Samsung representative.

Samsung Climate Solutions at a glance



At Samsung, we focus on providing cutting-edge innovations in indoor climate comfort and being a leader in intelligent digital connectivity solutions.

Our market-centric product ranges

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



Services we provide to empower our partners

Milestone highlights that make us proud

1974
Samsung introduces its first air conditioner.

2005
Samsung Electronics enters the European market for commercial air conditioning.

2017
Samsung Electronics opens Samsung Electronics Air Conditioner Europe B.V. (SEACE) in Amsterdam.

2014



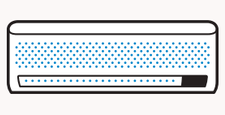
Arrival of the Samsung TDM concept, an all-in-one heat pump solution for heating, cooling and domestic hot water supply.

2015



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

2017



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

Our flagship technologies that enrich people's lives

Wind-Free™



Wind-Free™ Cooling

SmartThings



Wi-Fi Control

b.IoT



Building Management System

Our European footprint with the locations from which we operate



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

Samsung reference projects in the spotlight

Greenwood Fish Market





Cara Loh
Marketing Manager

Greenwood Fish Market, Singapore
Greenwood Fish Market
Block, 8D Dempsey Rd, #01-01, Singapore

"Greenwood Fish Market is located on Dempsey Hill and has glass walls on both sides that provide a beautiful view. People love it due to the feeling that they're eating their meal surrounded by nature. However, because more solar heat comes in during the daytime, much more powerful air conditioning is necessary to keep the indoor room temperature pleasant. Samsung has provided us with the optimal solution. The 4-Way Cassette and 360 Cassette, which emit more air without the interference of blades, are installed in the perfect locations in the retail, dining and waiting zones, creating pleasant indoor conditions at all times. We are very satisfied."

Application

Restaurant

Samsung products installed

360 Cassette | 4-Way Cassette | Duct | CAC outdoor unit

Introduction

Samsung reference projects in the spotlight

Kapiolani Residence





Timothy Yi
President

Kapiolani Residence
1391 Kapiolani Blvd #104, Honolulu, HI 96814, USA

“Kapiolani Residence is a large residential building with 45 floors and 485 households, located in the centre of Honolulu. We provide a refrigerator, washing machine, microwave oven and oven as a standard service for the convenience of the residents. All of the appliances are made by Samsung. Samsung is the best in the industry for air conditioning systems and general home appliances. It’s the only company to have succeeded in both industries. The greatest benefit for me in buying all of the products as a package from the same manufacturer is that I can talk to just one contact person for cost negotiation and product installation. And residents also benefit from an easy maintenance process.”

Application

Apartment

Samsung products installed

Wall-Mounted | Duct | FJM outdoor unit | RAC outdoor unit

Introduction

Regulations and standards

Samsung strives to provide customers with new eco-friendly experiences and lead the way to a sustainable future for the global community through innovative and eco-friendly products and technology. We endeavour to comply with international environmental standards, and European and national laws and regulations across our climate solutions operations. Samsung also conducts environmental improvement activities across all product development, production, distribution, use and disposal phases.

Ecodesign

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

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

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

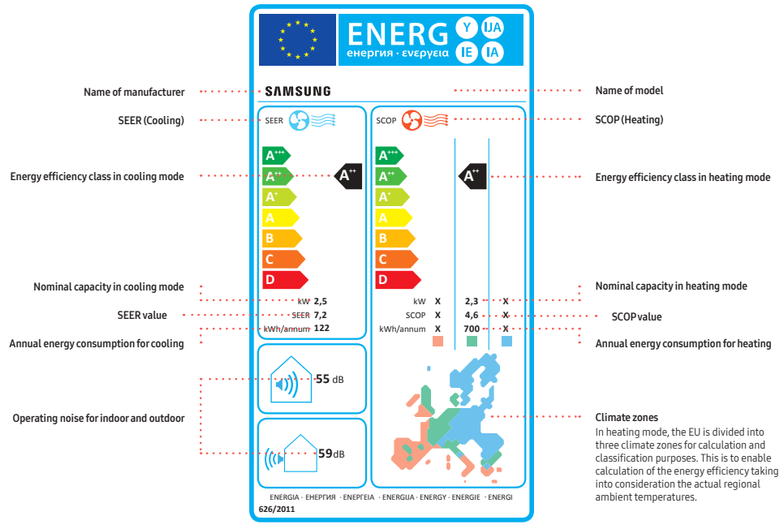
	LOTS 1/2	LOT 10	LOT 21
In effect since	26 September 2015	1 January 2013	1 January 2018
Applicable products	A2W heat pumps < 400 kW	Air conditioners < 12 kW	Air conditioners > 12 kW
Energy label required	✓	✓	
Samsung product range	 EHS	 RAC | FJM | CAC	 CAC | DVM | HVM

Energy label

Since January 2013, all air conditioners with a rated capacity of < 12 kW for cooling or heating must bear an energy label indicating their energy efficiency in compliance with EU Regulation No. 626/2011 (LOT 10). As of January 2019, the energy efficiency scale ranges from A+++ to D, with A+++ being the most efficient. The energy label should provide the minimum necessary information such as the product model, energy efficiency class, average annual energy consumption, SEER/SCOP values and noise level. The energy efficiency class is determined by measurements and calculations and should fall within the ranges indicated in the table below.

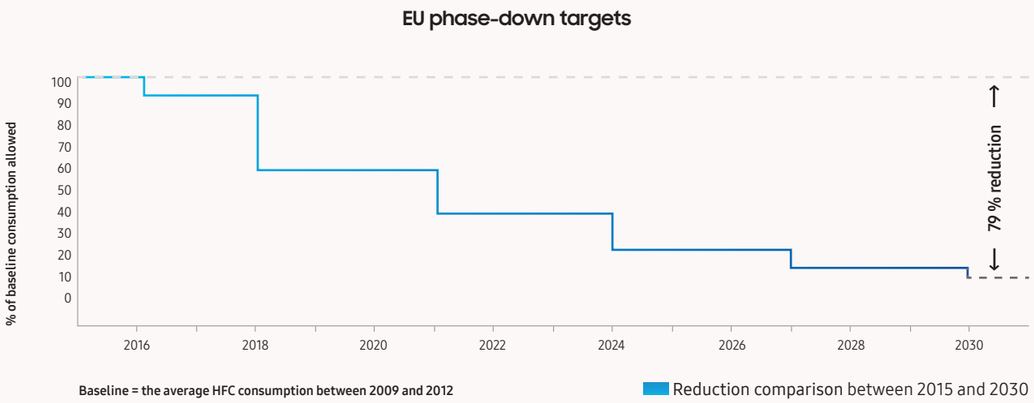
Energy Efficiency Class	SEER (Cooling)	SCOP (Heating)
A+++	SEER ≥ 8.50	SCOP ≥ 5.10
A++	6.10 ≤ SEER < 8.50	4.60 ≤ SCOP < 5.10
A+	5.60 ≤ SEER < 6.10	4.00 ≤ SCOP < 4.60
A	5.10 ≤ SEER < 5.60	3.40 ≤ SCOP < 4.00
B	4.60 ≤ SEER < 5.10	3.10 ≤ SCOP < 3.40
C	4.10 ≤ SEER < 4.60	2.80 ≤ SCOP < 3.10
D	3.60 ≤ SEER 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

Except single duct and double duct air conditioners.



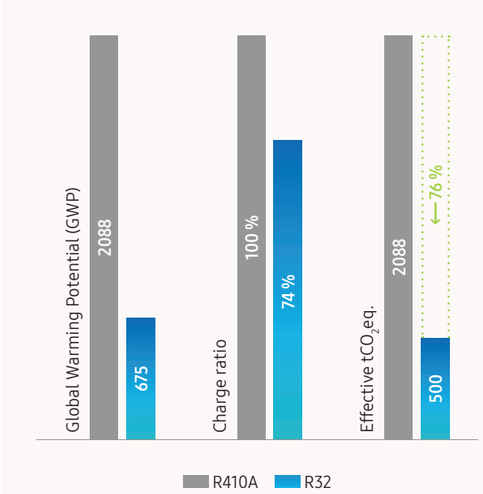
F-Gas regulation

The EU aims to reduce the environmental impact of F-gases through the reduction of the CO_2 equivalent consumption of HFCs (hydrofluorocarbons). EU regulation 517/2014 prescribes a phase-down of HFCs, where the quantities of HFCs that are placed on the market are gradually reduced through the allocation of quotas by the European Commission. The phase-down targets are expressed in CO_2 equivalents (= kg x GWP - Global Warming Potential) and aim to reduce HFC consumption by 79 % in 2030. For new installations of single split air conditioners with a refrigerant charge below 3 kg, the GWP limit is set at 750 starting in 2025. The regulation has been put into force to encourage industry and users to transition to refrigerants with a lower GWP. Samsung is accelerating the transition towards lower GWP refrigerants, such as R32, and will continue to invest in environmentally friendly alternatives.



R32 Refrigerant

R32 refrigerant contributes to meeting the F-gas regulation targets as described in EU regulation 517/2014. Air conditioners with R32 refrigerant have a Global Warming Potential (GWP) of 675, which is significantly lower than the GWP of R410A (2088). 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, and a high refrigeration capacity and thermal conductivity, meaning high efficiency and a reduction in charging volume. Samsung's single split Residential (RAC), Multi Split (FJM) and Commercial (CAC) product ranges up to 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, which applies the principles of extended producer responsibility. This Directive stipulates the safe collection, treatment, recycling and environmentally sound disposal of all electrical and electronic equipment. Working with collective recycling schemes in each EU member state, Samsung co-finances the take-back and recycling of electronic products.

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.

Innovations in detail





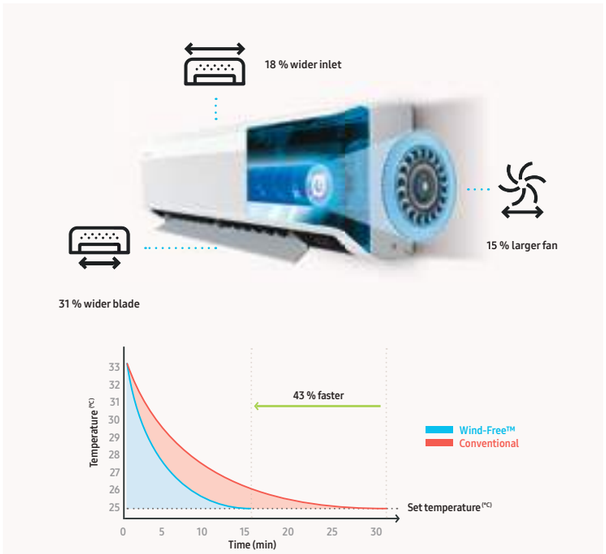


Wall-Mounted

Fast Cooling

Samsung wall-mounted air conditioners with Wind-Free™ technology cool quickly from corner to corner, making people comfortable whenever they want and wherever they are. Powerboost with Digital Inverter TT (Twin Tube) technology dramatically shortens the time it takes for the compressor to reach maximum power when it starts operating, so it cools the air 43 % faster[1]. Its advanced design also features a 15 % larger fan, 18 % wider inlet and a 31 % wider blade than conventional models. This means that cool air is dispersed farther and wider into every corner of a room, reaching up to 15 metres[2].

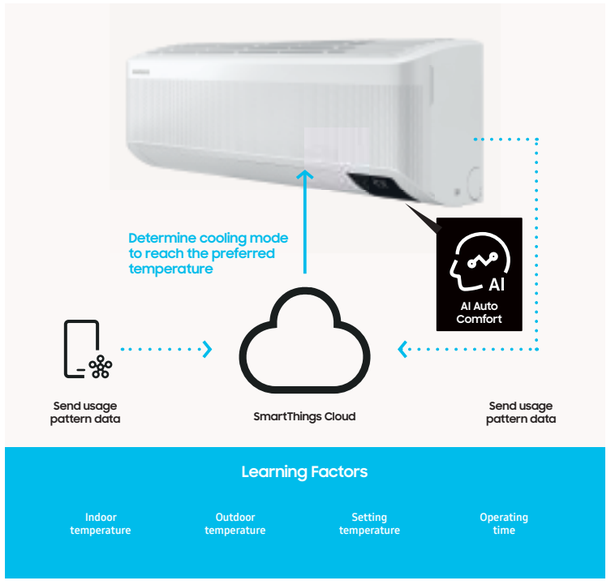
[1] Tested on the AR12TXCAAWKEU model compared with the Samsung conventional model AQ12EASER under specific testing conditions and may vary depending on environmental factors and use.
[2] Tested on the AR24TXFCAWKNEU model under specific testing conditions and may vary depending on environmental factors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

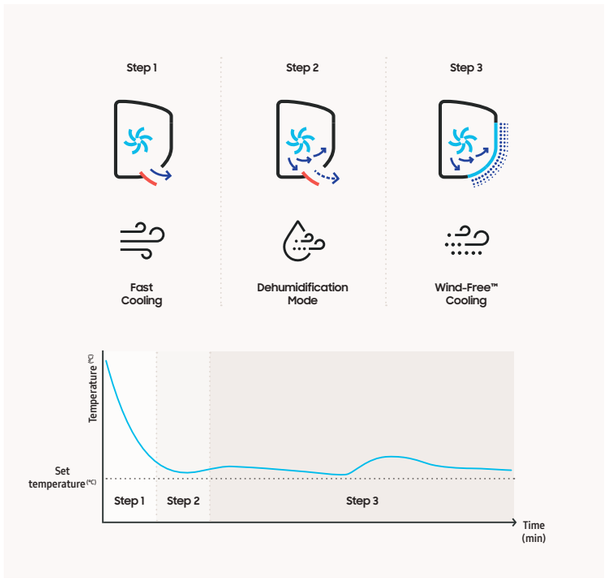


AI Auto Comfort

AI Auto Comfort introduces residents to the experience of intelligent climate 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 users' preferred temperature and the outside temperature, it automatically switches to the most appropriate mode, including Wind-Free™, Fast and Normal Cooling, to maintain optimal, comfortable room conditions.

[1] AI = Artificial Intelligence. A Wi-Fi connection and Samsung SmartThings application account are required.
[2] Stores user data, preferences and usage patterns, enabling it to suggest the most useful options.





Wind-Free™ Cooling

Wind-Free™ 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. And it consumes 77 % less energy than Fast Cooling mode[3] so people can stay comfortably cool while reducing energy costs.

[1] ASHRAE (the American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as air currents moving at speeds below 0.15 m/s, with no cold drafts.
[2] Tested on the AR12TXCAAWKNEU model in an anechoic environment. Wind-Free™ mode generates 23 dB(A) of noise, compared to 26 dB(A) produced by the conventional Samsung model. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ according to operating conditions.
[3] Tested on the AR12TVEAAWKNAP model under specific testing conditions, based on the power consumption of Fast Cooling mode vs. Wind-Free™ Cooling mode.



Smart Control

Control the temperature at home, anytime and anywhere. The SmartThings App[1] enables people 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. And with the Bixby 2.0 Artificial Intelligence (AI) system[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.

[1] Available on Android and iOS devices. A Wi-Fi connection and Samsung SmartThings account are required.
[2] Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian and Spanish. Portuguese is scheduled to be supported by the end of 2019.

Innovations in detail

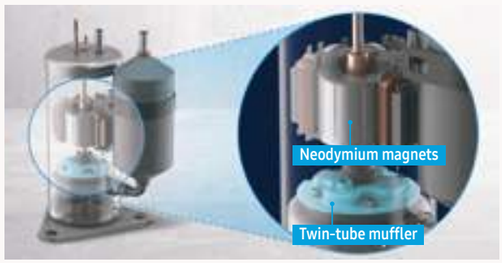
Wall-Mounted

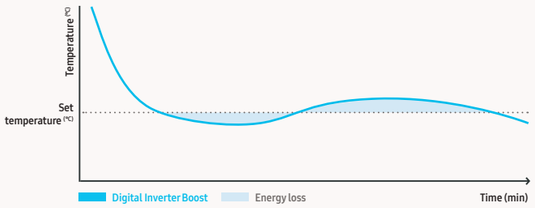
Motion Detect Sensor

Cool the home efficiently whether someone is there or not. If the Motion Detect Sensor (MDS) detects a lack of movement after 20 minutes[1], it automatically switches to Wind-Free™ mode to save energy. Subject to conditions, after 40 minutes it increases the temperature by 2 °C in Wind-Free™ mode. And after a further 40 minutes it enters standby (Soft off) mode. But as soon as it detects any activity it returns to working normally. It can also be set to avoid blowing air towards people, or alternatively, to follow them as they move around.

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







Digital Inverter Boost

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

[1] Tested on the AR09TXCAAWKNEU model compared with the previous Samsung Wind-Free™ model AR09NXCXAWKNEU.

Step 1: Easy Filter Plus

Keep the air conditioner working efficiently with limited effort. 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, it's very effective at capturing dust and therefore keeping the Heat Exchanger clean and working efficiently. The special coating on the filter helps protect residents from 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.



Easy to detach



Easy to clean



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

Antibacterial process



99 % Anti-bacteria

99 % Anti-virus

98 % Anti-allergy



Wind-Free™ models: filter is located under Easy Filter Plus

Non-Wind-Free™ models: filter is located inside the grille

Step 2: Tri-Care Filter

The Tri-Care Filter keeps the air hygienic 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 hairs. It also has a filter with Zeolite coating that captures fine dust, and helps to reduce potentially dangerous viruses, bacteria and allergens in the air[1].

[1] Tested by Korean test lab (FITI/KRICT) for anti-bacteria and anti-virus properties, and by Japanese test lab (ITEA) for anti-allergy properties. Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use. Tested on AR13TYCABWKNST model.

Innovations in detail

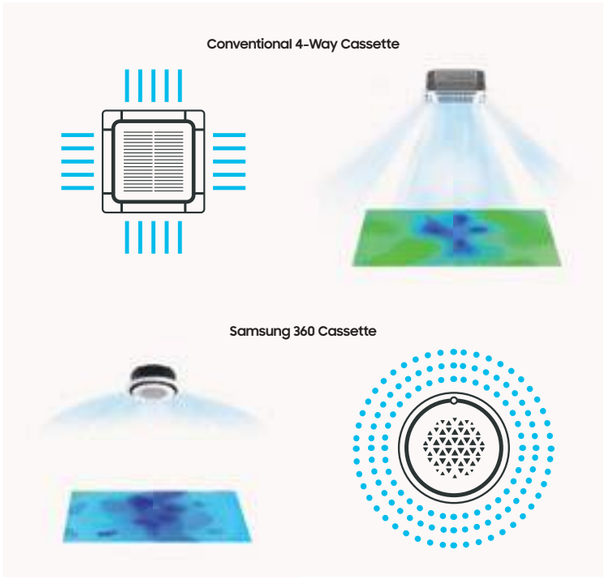


360 Cassette

Circular airflow

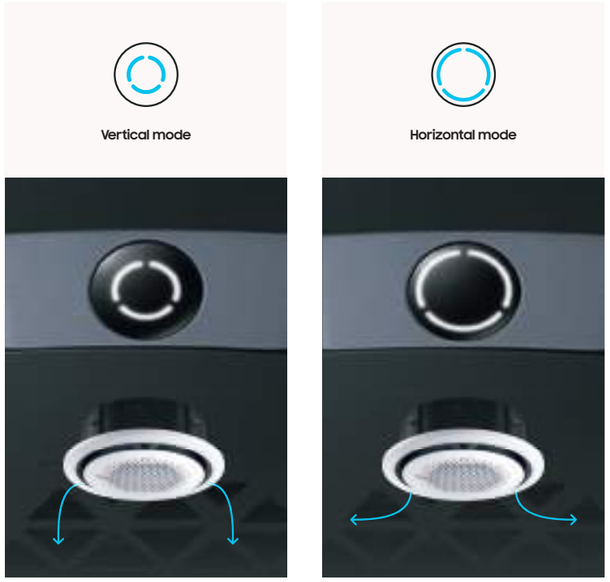
Unlike traditional 4-Way cassette units[1], which create areas of uneven airflow[2], the 360 Cassette ensures that cool air reaches every single corner. Its circular outlet blows cool air in every direction. The bladeless design keeps things comfortably cool without creating a cold draft[3], and without blades blocking the airflow, it sends 25 % more air even further[1].

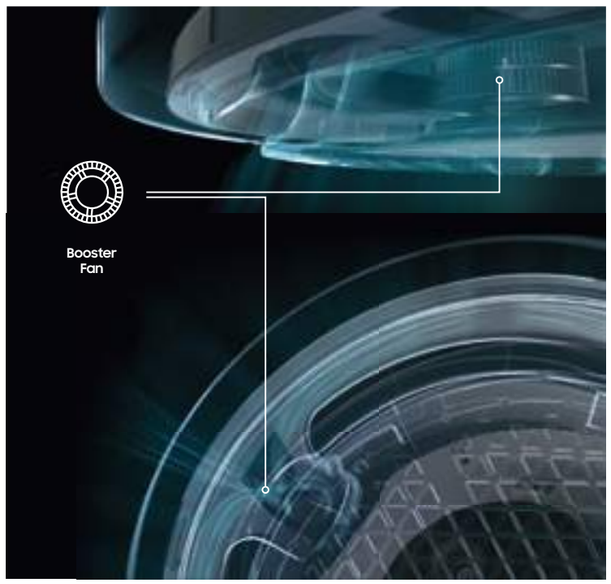
[1] Samsung testing compares the 360 Cassette to a conventional 4-Way cassette type air conditioner.
[2] The temperature difference is less than 0.6 °C within a 9.3 m radius.
[3] No cold draft between 0–1.5 m in height (with a 14.0 kW indoor unit) within a 5 m radius.



LED display

The unit features a stylish panel and an intuitive LED display. This allows users to choose and change the direction of airflow. Users have a choice of settings, and controlling the air in an individual zone is easy.





Airflow control

The air supply is easily adjusted without the use of flaps. Three booster fans alter the direction of airflow from within the cassette's hollow space.
A rain-like distribution of air (known as the 'Coandă' effect) keeps the room cool and comfortable at all times.



Stylish design

The 360 Cassette adds a touch of style to any room. It comes in black or white, in a square or circular design, and can be fitted into the ceiling or exposed on the surface of any material. It suits any type of background, from wood to concrete and wallpaper to paint.

Innovations in detail



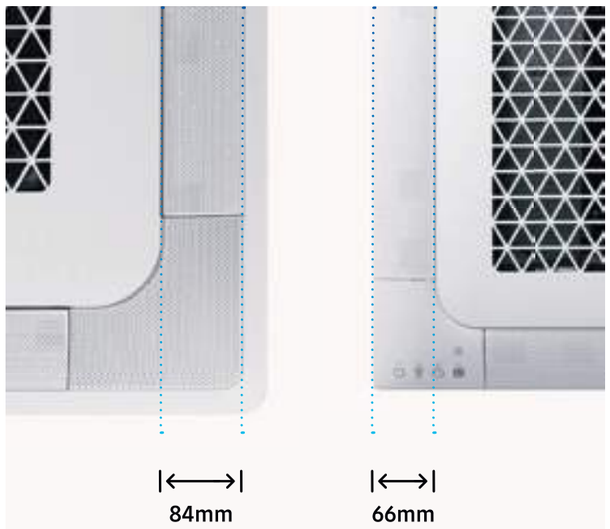
Wind-Free™ 4-Way Cassette

Wind-Free™ technology

Wind-Free™ Cooling is some of Samsung's most advanced technology. The Wind-Free™ 4-Way Cassette directs air through 15,700 micro-holes in the panel, while the Wind-Free™ Mini 4-Way Cassette directs air through 9,000 micro-holes in the panel. These micro-holes are essential for creating a type of airflow called "Still Air"[1], which cools the room gradually and noticeably without drafts.

[1] ASHRAE (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.

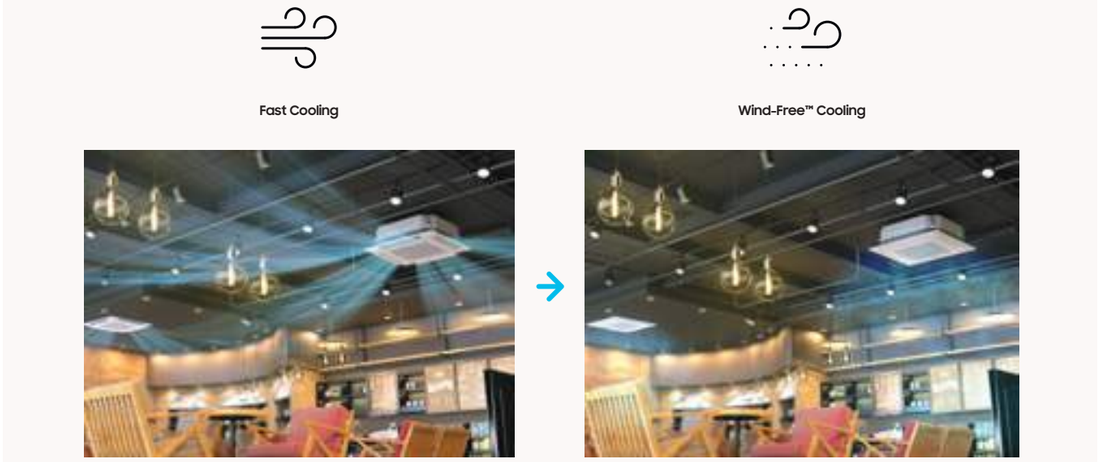




Optimised blades

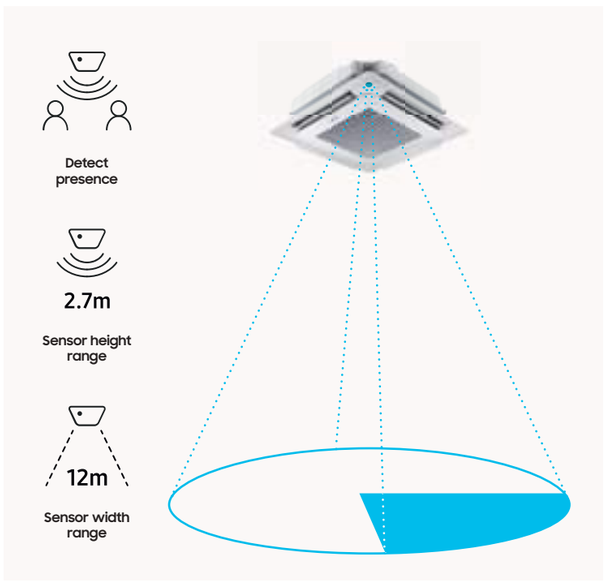
The larger, optimised blades[1] (84 mm Wind-Free™ 4-Way Cassette, 66 mm Wind-Free™ Mini 4-Way Cassette) facilitate a wider cooling range and improved air circulation within the room. This advanced technology also cools the space much faster, leaving no zone untouched.

[1] Samsung testing compares the Wind-Free™ 4-Way and Mini 4-Way Cassette to a conventional 4-Way Cassette type air conditioner.



Smart Comfort Operation

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



Motion Detect Sensor (optional)

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

Introduction

Innovations in detail



Wind-Free™ 1-Way Cassette

Wind-Free™ technology

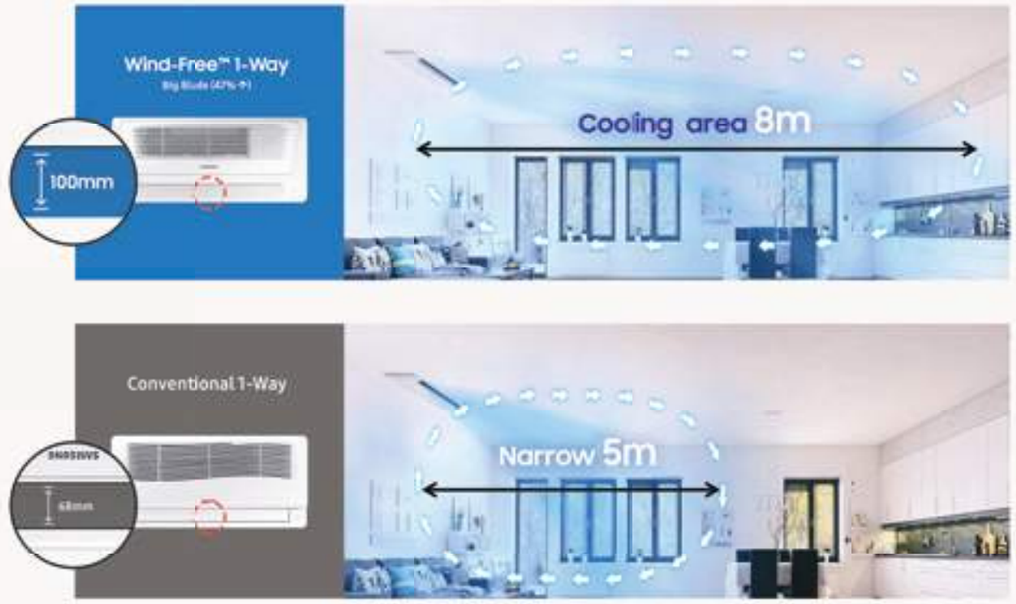
Wind-Free™ Cooling is some of Samsung's most advanced technology. The Wind-Free™ 1-Way Cassette directs air through tiny holes in the panel, dispersing a gentle flow of air. These 13,000 micro-holes are essential for creating a type of airflow called "Still Air"[1], which cools the room gradually and 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.



Wind-Free™ 1-Way Cassette

13,000 micro-holes





Slim installation/small footprint

At a height of only 152 mm[1], the Wind-Free™ 1-Way Cassette is a compact and lightweight device (8–13.5 kg[2]). 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] Up to 3.6 kW, larger models measure 155 mm.
[2] 1.7 kW and 2.2 kW models weigh 8 kg. The 5.6 kW and 7.1 kW models weigh 13.5 kg.

Wider cooling range

The larger, optimised blade[1] 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 m^2, leaving no zone untouched.

[1] Samsung testing compares the Wind-Free™ 1-Way Cassette to a conventional 1-Way Cassette-type air conditioner.
[2] Based on the 7.1 kW indoor unit.

Introduction

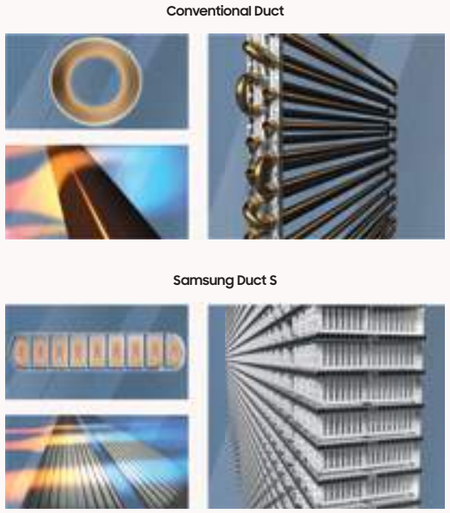
Innovations in detail



Duct S

Flat microchannel heat evaporator/ condenser

Samsung's innovative FME/FMC technology provides increased efficiency compared with the conventional fin and tube type. These modern innovations have also enabled a reduction in the size of the unit.

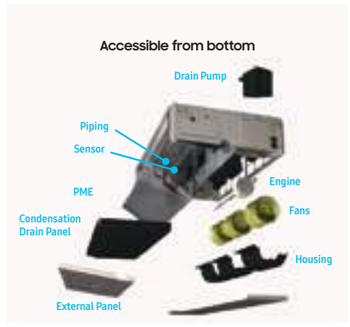


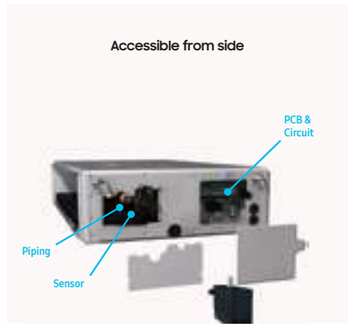
Indoor discharge temperature

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



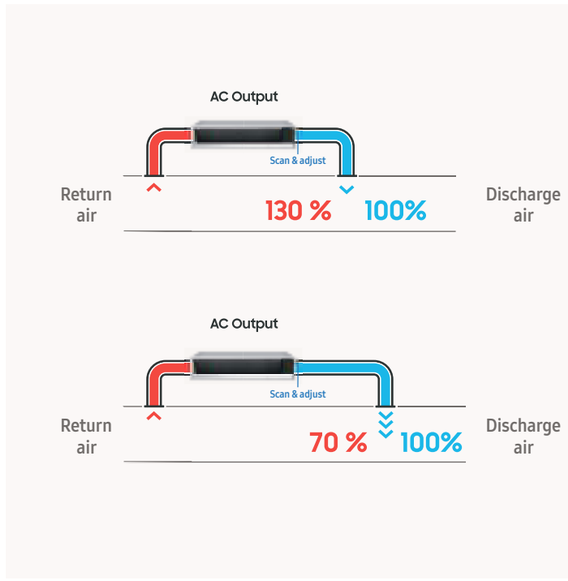






Easy installation and maintenance

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



Automatic ESP setting

The automatic operation of the external static pressure feature is very simple to set up.

This auto setting enables you 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. Please contact your Samsung representative to find out which indoor units feature this function.

Introduction

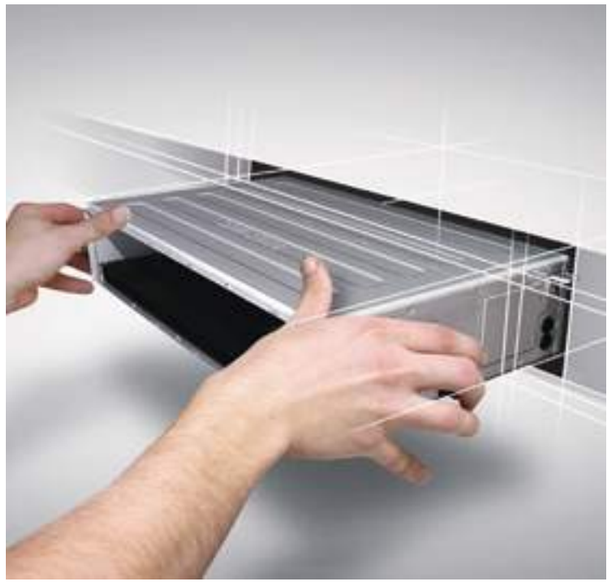
Innovations in detail



Slim Duct S

Slim design for small ceiling spaces

The Slim Duct S is a slim 200 mm in width, making it much narrower than conventional products. This allows for easy installation and maintenance in all kinds of spaces.





Built-in drain pump

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

Introduction

Residential

Line-up

Model	Indoor Unit	Outdoor unit (2.5 kW & 3.5 kW)	2.5 kW	3.5 kW	Outdoor unit (5.2 kW & 6.8 kW)	5.2 kW	6.8 kW
Wind-Free™ Elite			•	•			
Wind-Free™ Avant			•	•		•	•
Wind-Free™ Comfort			•	•		•	•
Cebu			•	•		•	•
Luzon			•	•		•	•
AR35			•	•		•	•
AR30			•	•			

Range	Indoor Unit	Outdoor unit (2.5 kW & 3.5 kW)	2.5 kW	3.5 kW
Nordic Smart			•	•
Nordic Comfort			•	•



Residential

Selection guide



Model		Wind-Free™ Elite	Wind-Free™ Avant	Wind-Free™ Comfort	Cebu	Luzon
Energy Efficiency	Energy Label (SEER/SCOP)[1]	A+++ A+++	A++ A++	A++ A+	A++ A+	A++ A+
Certification	Eurovent	●	●	●	●	●
Airflow	Wind-Free™ Cooling	●	●	●		
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Manual	Manual
	Airflow Control Step (Cool/Fan)	5/4	5/4	5/4	5/4	5/4
	Auto Fan Speed	●	●	●	●	●
Air Purification	PM 10 Filter	●	●			
	Easy Filter Plus/HD Filter	●	●	●	●	●
	Tri-Care Filter	●	●			
	Allergy Care	●	●			
	Anti-Bacteria Coating	●	●	●	●	●
	Anti-Virus Coating	●	●			
	Auto Clean (Self-Cleaning)	●	●	●	●	●
Functions	Samsung SmartThings	●	●	●	●	
	Smart Operation (AI)	●	●	●	●	
	MDS (Motion Detect Sensor)	●				
	Filter Cleaning Indicator	●	●	●	●	●
	Indoor Temperature Display	●	●	●	●	●
	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	●	●	●	●	●



AR35	AR30
A++ A+	A++ A+
●	●
Auto	Auto
Manual	Manual
3/3	3/3
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●



Model			Smart	Comfort
Energy Efficiency	Energy Label (SEER/SCOP)[1]		A+++ A++	rtt++ A++
Certification	Eurovent		●	●
Airflow	Wind-Free™ Cooling			
	Triangle Technology		●	●
	Air Direction Control (Up/Down)		Auto	Auto
	Air Direction Control (Left/Right)		Auto	Manual
	Airflow Control Step (Cool/Fan)		5/4	5/4
	Auto Fan Speed		●	●
Air Purification	SPi Ioniser		●	
	PM 2.5 Filter			
	Easy Care Filter		●	●
	Tri-Care Filter			
	Allergy Care		●	●
	Anti-Bacteria Coating		●	●
	Anti-Virus Coating		●	●
	Auto Clean (Self-Cleaning)		●	●
Functions	Wi-Fi Control with Samsung SmartThings		●	
	Filter Cleaning Indicator		●	●
	Indoor Temperature Display		●	●
	Remote Controller		●	●
	Display On/Off	88 Display 88	●	●
		88 Display LED	●	●
		3 LED Display		
	Beep On/Off		●	●
	24-Hour Timer/Real Timer		24 Hr	24 Hr
	Auto Changeover		●	●
	Auto Restart		●	●
Operating Mode	2-Step Cooling		●	●
	Fast Cooling		●	●
	Comfort Cooling		●	●
	Good Sleep		●	●
	Single User		●	●
	Dehumidification		●	●
	Auto		●	●
	Fan		●	●
	Quiet		●	●
Triple Protector	Anti-Corrosion Fin		●	●
	Compressor Protector		●	●
	PBA Protector		●	●

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

Residential

Nomenclature

Residential Units

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

1	**Classification**	**AR**	Residential Air Conditioner (RAC)
2	**Capacity**		x1,000 Btu/h
3	**Year**	**T**	2020
4	**Product Type**	**X**	Inverter R32
5	**Feature**	**C**	MDS + Wi-Fi + Tri-Care Filter
		E	Wi-Fi +Tri-Care Filter
		F	Wi-Fi
		H	HD Filter
6	**Design**	**A**	Wind-Free™ Elite/Avant
		C	Wind-Free™ Comfort
		Y	Cebu
		Z	Luzon
		Q	AR
7	**Series**	**A**	First Series
		B	Second Series
8	**Colour**	**WK**	DA White
		SI	Shining White
9	**Unit Type**	**N**	Indoor Unit
		X	Outdoor Unit



Specifications

Wind-Free™ Elite

- Three-step cooling: Fast Cooling mode, Dehumidification mode and Wind-Free™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort and Motion Detect Sensor.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
- Equipped with NASA communication protocol.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fin and controller from power surges.




Indoor Unit / Outdoor Unit			AR09TXCAAWKNEU / AR09TXCAAWKXEU	AR12TXCAAWKNEU / AR12TXCAAWKXEU
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min–Max)	kW	0.9–3.6	0.9–4.8
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min–Max)	kW	0.8–7.1	0.8–7.3
	Heating @ -5 °C	kW	4.15	4.83
	Heating @ -10 °C	kW	3.98	4.62
	Heating @ -15 °C	kW	3.92	4.52
Performance				
Energy Efficiency Cooling	SEER[1]	W/W	8.8/A+++	8.5/A+++
	Power Consumption	kWh/a	99	144
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP[1]	W/W	5.1/A+++	5.1/A+++
	Power Consumption	kWh/a	631	659
	Pdesignh (average)	kW	2.3	2.4
	COP[1]	W/W	4.74	4.26
Moisture Removal		L/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min	11.1	12.1
	Outdoor Unit	m^3/min	45.0	45.0
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	39/16	40/16
	Outdoor Unit High	dB(A)	45	46
Operating Temperature Range	Cooling	°C	-10~46	-10~46
	Heating	°C	-15~24	-15~24
Electrical Data				
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	540	885
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	4.4
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	10.6	10.6
	Outdoor Unit	kg	32.5	32.5
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.97	0.97
	Charging Ton Equivalent CO_2	tCO_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	3/15	3/15
Piping Height	Max	m	8	8
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm




Indoor Unit / Outdoor Unit			AR09TXCAAWKNEU / AR09TXCAAWKXEU	AR12TXCAAWKNEU / AR12TXCAAWKXEU
Functions				
Airflow	Wind-Free™ Cooling		●	●
	Air Direction Control (Up/Down)		Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto
	Auto Fan Speed		●	●
Air Purification	Tri-Care Filter		●	●
	Easy Filter Plus		●	●
	Auto Clean (Self-Cleaning)		●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)		●	●
	AI Auto Comfort with Wi-Fi		●	●
	Auto Mode (without Wi-Fi)			
	Fast Cooling		●	●
	Good Sleep		●	●
	Eco		●	●
	Dehumidification		●	●
	Fan		●	●
	Quiet		●	●
Other Functions	Samsung SmartThings		●	●
	MDS (Motion Detect Sensor)		●	●
	Indoor Temperature Display		●	●
	Display On/Off	88 Display	●	●
	Beep On/Off		●	●
	Auto Changeover		●	●
	Auto Restart		●	●

Accessory



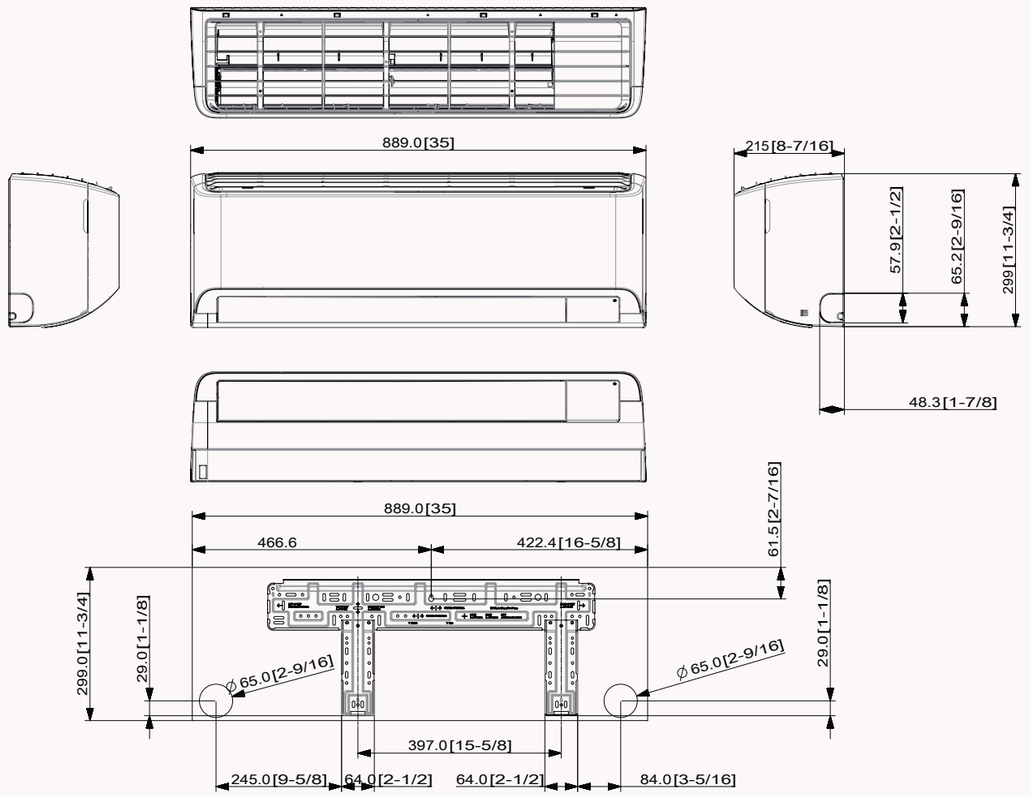
Wireless Remote Controller (included)

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

Dimensional drawings

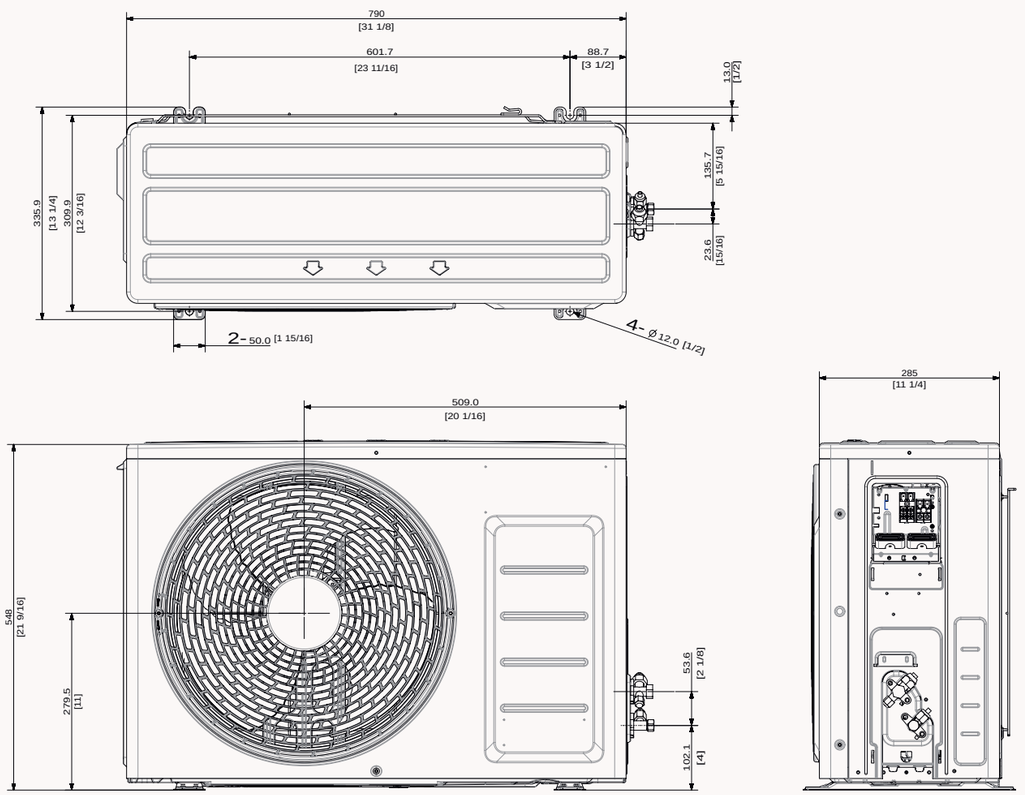
Wind-Free™ Elite - Indoor

AR09/12TXCAAWKNEU



Wind-Free™ Elite - Outdoor

AR09/12TXCAAWKXEU



Specifications

Wind-Free™ Avant R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and Wind-Free™ 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.
- Equipped with NASA communication protocol.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fin and controller from power surges.



Indoor Unit / Outdoor Unit			AR09TXEAAWKNEU / AR09TXEAAWKXEU	AR12TXEAAWKNEU / AR12TXEAAWKXEU	AR18TXEAAWKNEU / AR18TXEAAWKXEU	AR24TXEAAWKNEU / AR24TXEAAWKXEU
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5.0	6.5
	Cooling (Min–Max)	kW	1.0–3.4	1.0–4.0	1.6–6.7	1.4–7.6
	Heating @ +7 °C	kW	3.2	4.0	6.0	7.4
	Heating (Min–Max)	kW	0.72–5.00	0.74–5.50	1.30–8.00	1.20–9.70
	Heating @ -5 °C	kW	3.62	3.59	5.07	6.04
	Heating @ -10 °C	kW	3.37	3.33	4.70	5.65
	Heating @ -15 °C	kW	3.12	3.07	4.63	5.60
Performance						
Energy Efficiency Cooling	SEER[1]	W/W	7.9/ A++	7.3/ A++	6.8/ A++	6.4/ A++
	Power Consumption	kWh/a	111	168	257	355
	Pdesignc	kW	2.5	3.5	5.0	6.5
	EER	W/W	4.39	3.76	3.60	3.33
Energy Efficiency Heating	SCOP[1]	W/W	4.6/ A++	4.6/ A++	4.1/ A+	4.0/ A+
	Power Consumption	kWh/a	670	730	1,298	1,435
	Pdesignh (average)	kW	2.2	2.4	3.8	4.1
	COP[1]	W/W	4.21	3.74	3.53	3.15
Moisture Removal		l/h	1.0	1.5	2.0	2.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min	9.5	10.5	15.7	17.6
	Outdoor Unit	m^3/min	45.0	45.0	50.0	50.0
Sound Power	Indoor Unit (Cooling)	dB(A)	57	57	58	62
	Outdoor Unit (Cooling)	dB(A)	59	62	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	38/16	40/16	41/25	45/26
	Outdoor Unit High	dB(A)	45	46	51	54
Operating Temperature Range	Cooling	°C	-10~46	-10~46	-10~46	-10~46
	Heating	°C	-15~24	-15~24	-15~24	-15~24
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	570	930	1,390	1,950
	Heating	W	760	1,070	1,700	2,350
Operating Current	Cooling	A	3.4	4.5	6.4	8.8
	Heating	A	3.7	5.1	7.8	10.5
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	9.9	9.9	12.2	12.5
	Outdoor Unit	kg	29.9	29.9	39.7	43.7
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0.94	0.94	1.30	1.30
	Charging Ton Equivalent CO_2	tCO_2e	0.63	0.63	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)	9.52 (3/8)	9.20 (3/8)
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



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

Accessory



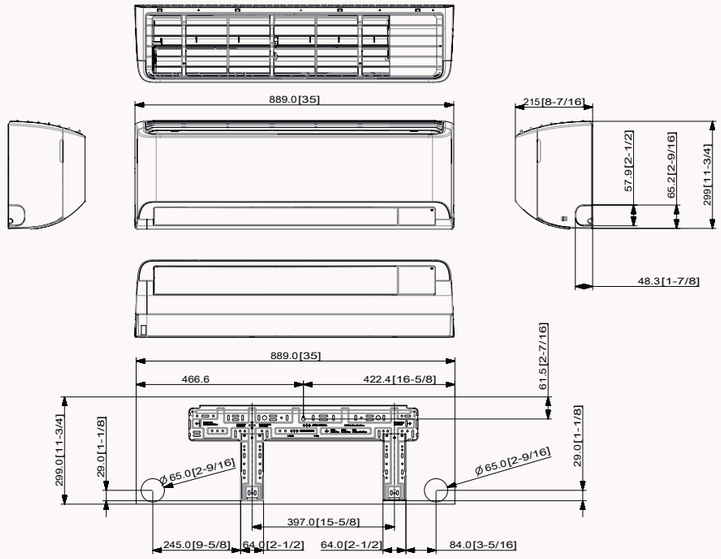
Wireless Remote Controller (included)

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

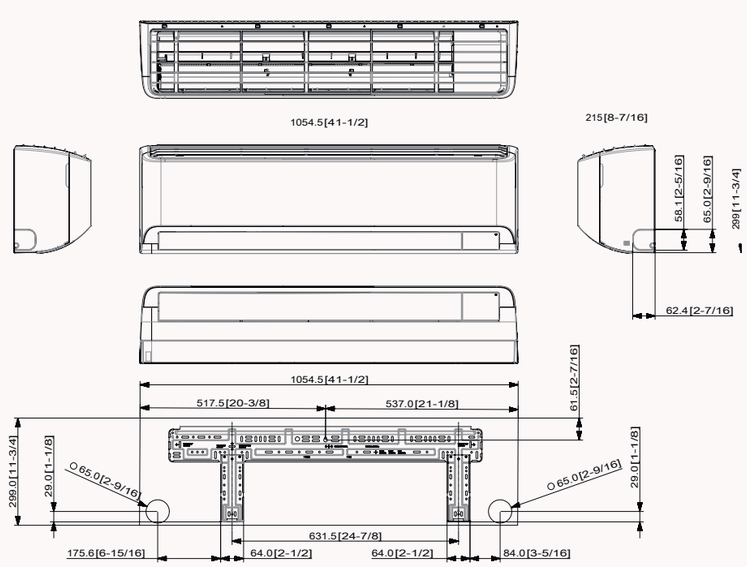
Dimensional drawings

Wind-Free™ Avant - Indoor

AR09/12TXEAAWKNEU

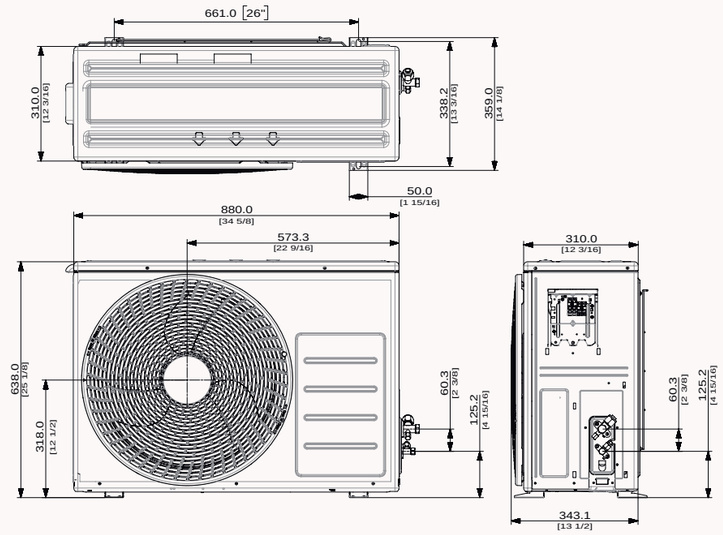


AR18/24TXEAAWKNEU

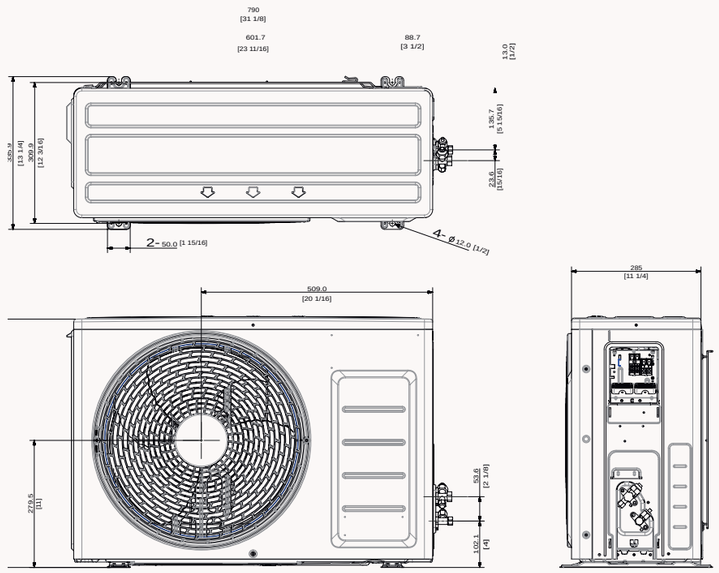


Wind-Free™ Avant - Outdoor

AR18/24TXEAAWKXEU



AR18/24TXEAAWKXEU



Specifications

Wind-Free™ Comfort R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and Wind-Free™ Cooling mode.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
- Equipped with NASA communication protocol.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fin and controller from power surges.



Indoor Unit / Outdoor Unit			AR09TXFCAWKNEU / AR09TXFCAWKXEU	AR12TXFCAWKNEU / AR12TXFCAWKXEU	AR18TXFCAWKNEU / AR18TXFCAWKXEU	AR24TXFCAWKNEU / AR24TXFCAWKXEU
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5.0	6.5
	Cooling (Min–Max)	kW	0.9–3.4	0.9–4.0	1.6–6.7	1.4–7.6
	Heating @ +7 °C	kW	3.2	3.5	6.0	7.4
	Heating (Min–Max)	kW	0.9–4.5	0.9–5.0	1.3–8.0	1.2–9.4
	Heating @ -5 °C	kW	2.74	3.09	4.84	6.00
	Heating @ -10 °C	kW	2.48	2.87	4.57	5.55
	Heating @ -15 °C	kW	2.29	2.58	4.58	5.66
Performance						
Energy Efficiency Cooling	SEER[1]	W/W	6.7/A++	6.5/A++	6.8/A++	6.4/A++
	Power Consumption	kWh/a	131	188	257	355
	Pdesignc	kW	2.5	3.5	5.0	6.5
	EER	W/W	3.57	2.87	3.60	3.33
Energy Efficiency Heating	SCOP[1]	W/W	4.0/A+	4.0/A+	3.8/A	3.8/A
	Power Consumption	kWh/a	735	770	1,400	1,511
	Pdesignh (average)	kW	2.1	2.2	3.8	4.1
	COP[1]	W/W	3.81	3.72	3.51	3.15
Moisture Removal		l/h	1.0	1.5	2.0	2.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min	10.3	10.7	16.6	17.3
	Outdoor Unit	m^3/min	28.0	28.0	50.0	50.0
Sound Power	Indoor Unit (Cooling)	dB(A)	54	56	58	62
	Outdoor Unit (Cooling)	dB(A)	63	64	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	37/19	38/19	41/25	45/26
	Outdoor Unit High	dB(A)	46	47	51	54
Operating Temperature Range	Cooling	°C	-10~46	-10~46	-10~46	-10~46
	Heating	°C	-15~24	-15~24	-15~24	-15~24
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	700	1,200	1,390	1,950
	Heating	W	840	940	1,710	2,350
Operating Current	Cooling	A	3.4	4.5	6.4	8.8
	Heating	A	3.7	5.1	7.8	10.5
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	660 x 475 x 242	660 x 475 x 242	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	8.9	8.9	11.5	11.6
	Outdoor Unit	kg	23.0	23.0	39.7	43.2
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0.70	0.70	1.30	1.15
	Charging Ton Equivalent CO_2	tCO_2e	0.47	0.47	0.88	0.78
	Additional Refrigerant Charging	g/m	15	15	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15	3/30	3/30
Piping Height	Max	m	8	8	15	15
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm



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

Accessory



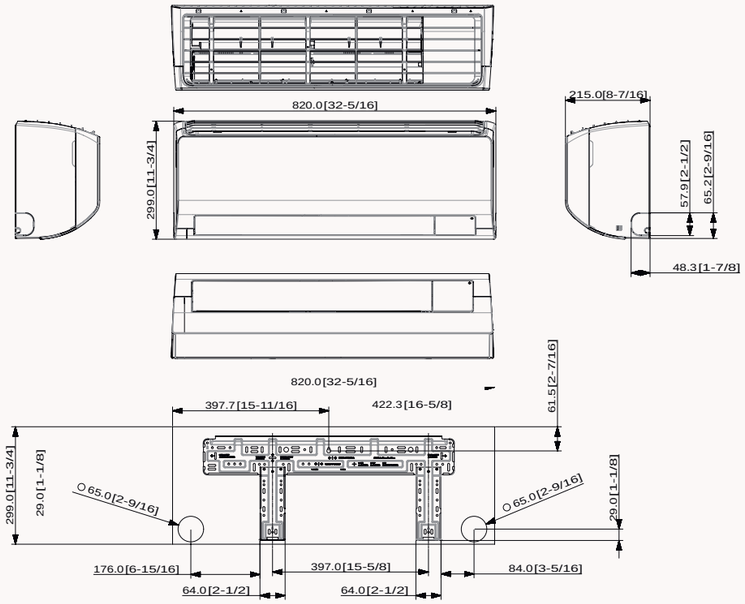
Wireless Remote Controller (included)

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

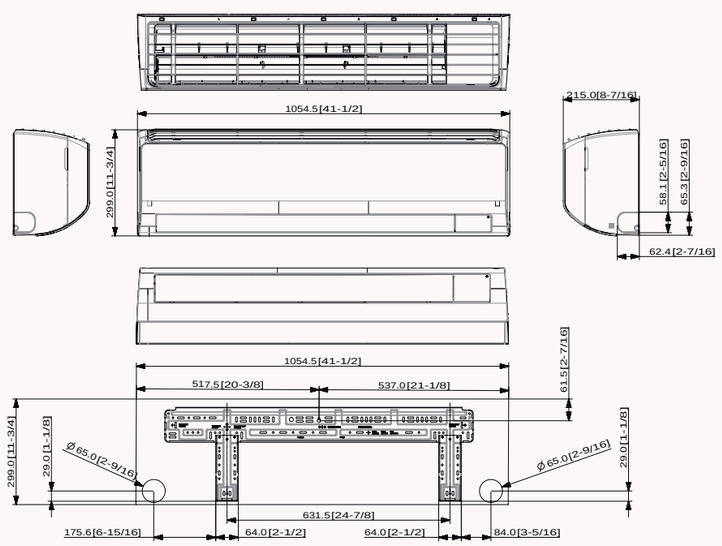
Dimensional drawings

Wind-Free™ Comfort - Indoor

AR09/12TXFCAWKNEU

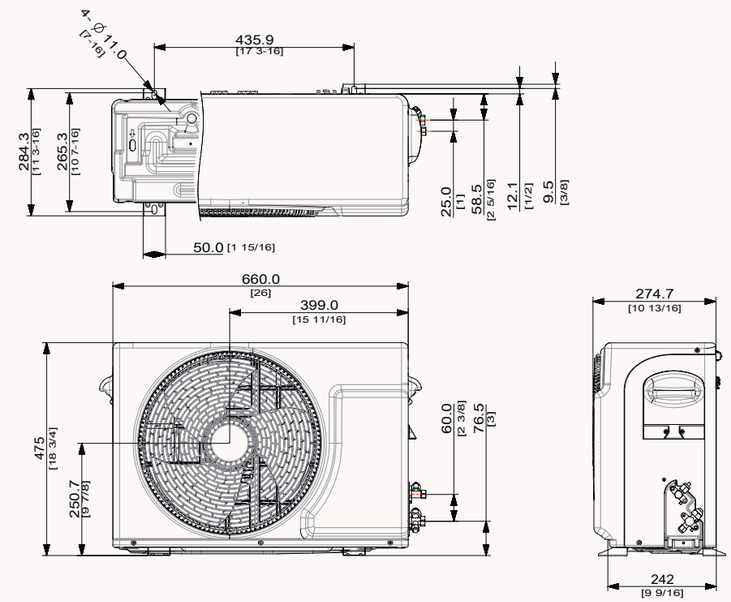


AR18/24TXFCAWKNEU

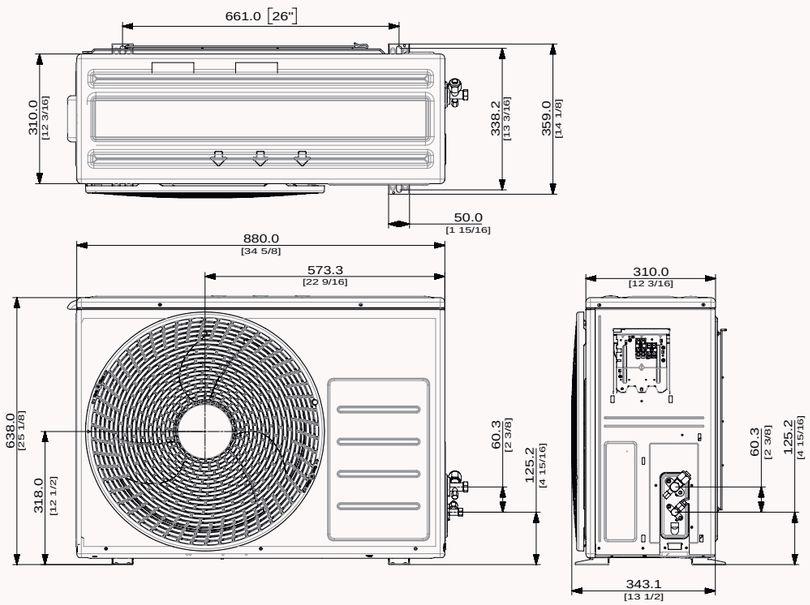


Wind-Free™ Comfort - Outdoor

AR09/12TXFCAWKXEU



AR18/24TXFCAWKXEU



Specifications

Cebu R32

- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
- Equipped with NASA communication protocol.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fin and controller from power surges.

Indoor Unit / Outdoor Unit			AR09TXFYAWKNEU / AR09TXFYAWKXEU	AR12TXFYAWKNEU / AR12TXFYAWKXEU	AR18TXFYAWKNEU / AR18TXFYAWKXEU	AR24TXFYAWKNEU / AR24TXFYAWKXEU
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5.0	6.5
	Cooling (Min–Max)	kW	0.9–3.4	0.9–4.0	1.6–6.7	1.4–7.6
	Heating @ +7 °C	kW	3.2	3.5	6.0	7.4
	Heating (Min–Max)	kW	0.9–4.5	0.9–5.0	1.3–8.0	1.2–9.4
	Heating @ -5 °C	kW	2.74	3.09	4.84	6.00
	Heating @ -10 °C	kW	2.48	2.87	4.57	5.55
	Heating @ -15 °C	kW	2.29	2.58	4.58	5.66
Performance						
Energy Efficiency Cooling	SEER[1]	W/W	6.7/ A++	6.5/ A++	6.8/ A++	6.4/ A++
	Power Consumption	kWh/a	131	188	257	355
	Pdesignc	kW	2.5	3.5	5.0	6.5
	EER	W/W	3.57	2.87	3.60	3.33
Energy Efficiency Heating	SCOP[1]	W/W	4.0/ A+	4.0/ A+	3.8/ A	4.0/ A
	Power Consumption	kWh/a	735	770	1,400	1,511
	Pdesignh (average)	kW	2.1	2.2	3.8	4.1
	COP[1]	W/W	3.81	3.72	3.53	3.15
Moisture Removal		l/h	1.0	1.5	2.0	2.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min	10.5	10.9	16.5	17.2
	Outdoor Unit	m^3/min	28.0	28.0	50.0	50.0
Sound Power	Indoor Unit (Cooling)	dB(A)	54	56	58	62
	Outdoor Unit (Cooling)	dB(A)	63	64	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	37/19	38/19	41/25	45/26
	Outdoor Unit High	dB(A)	46	47	51	54
Operating Temperature Range	Cooling	°C	-10~46	-10~46	-10~46	-10~46
	Heating	°C	-15~24	-15~24	-15~24	-15~24
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	700	1,220	1,390	1,950
	Heating	W	840	940	1,700	2,350
Operating Current	Cooling	A	3.6	5.6	6.4	8.8
	Heating	A	4.0	4.5	7.8	10.5
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	660 x 475 x 242	660 x 475 x 242	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	9.1	9.1	11.5	11.6
	Outdoor Unit	kg	22.6	22.6	39.7	43.2
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0.70	0.70	1.30	1.30
	Charging Ton Equivalent CO_2	tCO_2e	0.47	0.47	0.88	0.88
	Additional Refrigerant Charging	g/m	15	15	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15	3/15	3/15
Piping Height	Max	m	8	8	8	8
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm

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

Accessory



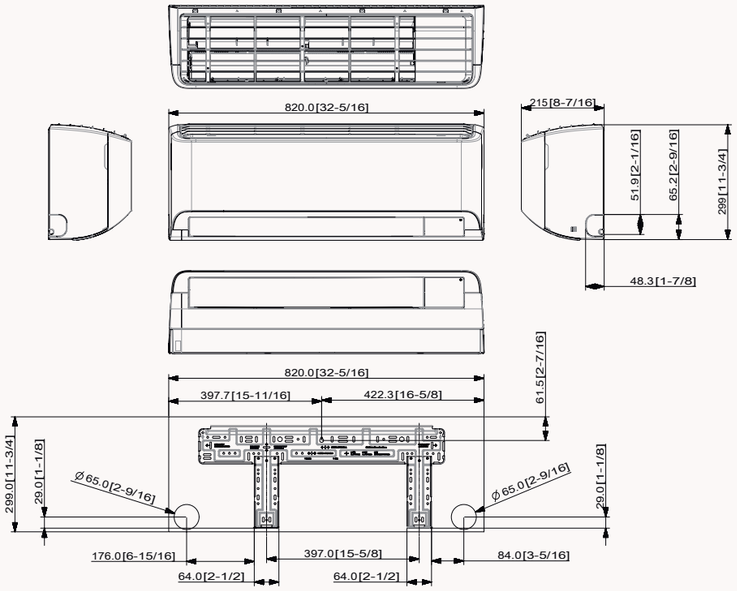
Wireless Remote Controller (included)

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

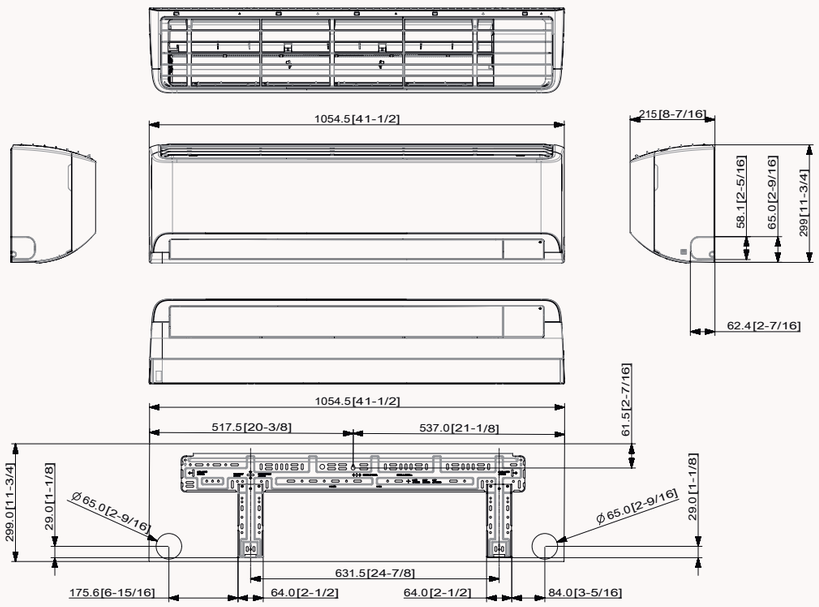
Dimensional drawings

Cebu - Indoor

AR09/12TXFYAWKNEU

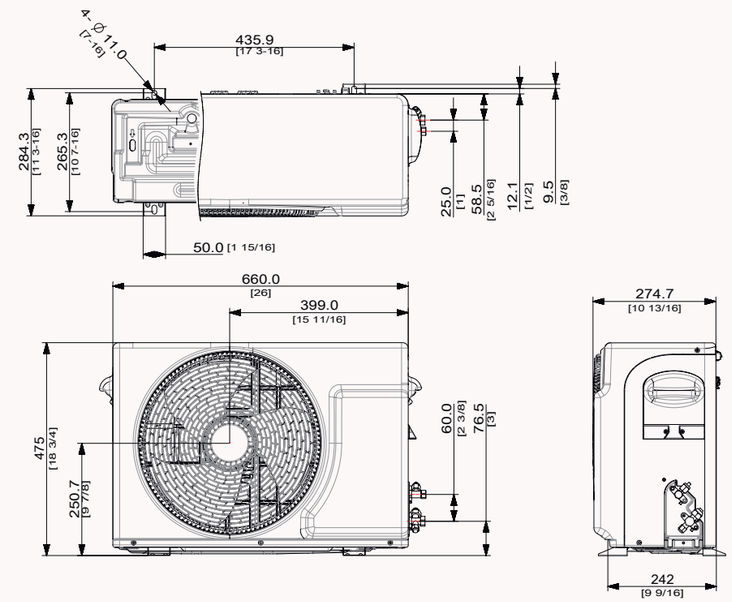


AR18/24TXFYAWKNEU

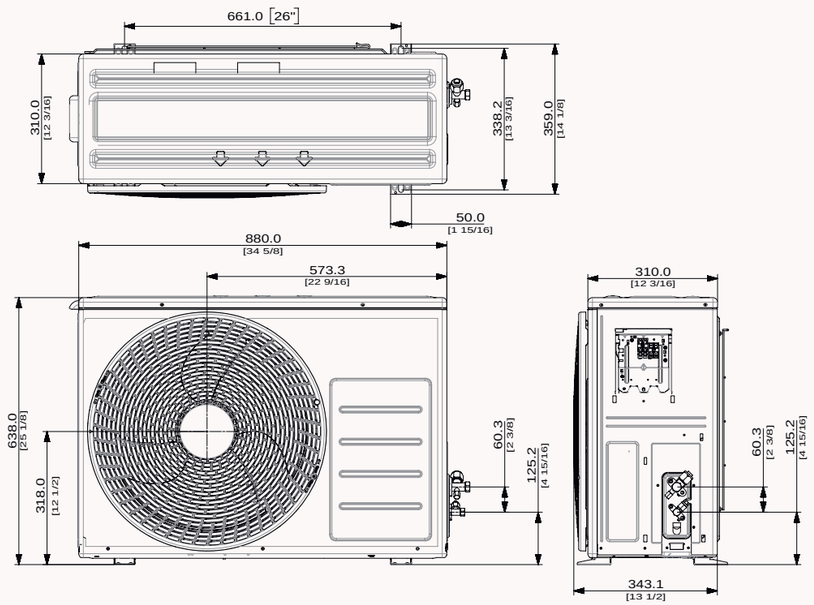


Cebu - Outdoor

AR09/12TXFYAWKXEU



AR18/24TXFYAWKXEU



Residential

Specifications

Luzon R32

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

Indoor Unit / Outdoor Unit			AR09TXHZAWKNEU / AR09TXHZAWKXEU	AR12TXHZAWKNEU / AR12TXHZAWKXEU	AR18TXHZAWKNEU / AR18TXHZAWKXEU	AR24TXHZAWKNEU / AR24TXHZAWKXEU
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5.0	6.5
	Cooling (Min–Max)	kW	0.9–3.4	0.9–4.0	1.6–6.7	1.4–7.6
	Heating @ +7 °C	kW	3.2	3.5	6.0	7.4
	Heating (Min–Max)	kW	0.9–4.5	0.9–5.0	1.3–8.0	1.2–9.4
	Heating @ -5 °C	kW	2.74	3.09	4.84	6.00
	Heating @ -10 °C	kW	2.48	2.87	4.57	5.55
	Heating @ -15 °C	kW	2.29	2.58	4.58	5.66
Performance						
Energy Efficiency Cooling	SEER[1]	W/W	6.7/ A++	6.5/ A++	6.8/ A++	6.4/ A++
	Power Consumption	kWh/a	131	188	257	355
	Pdesignc	kW	2.5	3.5	5.0	6.5
	EER	W/W	3.57	2.87	3.60	3.33
Energy Efficiency Heating	SCOP[1]	W/W	4.0/ A+	4.0/ A+	3.8/ A	4.0/ A
	Power Consumption	kWh/a	735	770	1,400	1,511
	Pdesignh (average)	kW	2.1	2.2	3.8	4.1
	COP[1]	W/W	3.81	3.72	3.51	3.15
Moisture Removal		L/h	1.0	1.5	2.0	2.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min	10.5	10.9	16.5	17.2
	Outdoor Unit	m^3/min	28.0	28.0	50.0	50.0
Sound Power	Indoor Unit (Cooling)	dB(A)	54	56	58	62
	Outdoor Unit (Cooling)	dB(A)	63	64	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	37/19	38/19	41/25	45/26
	Outdoor Unit High	dB(A)	46	47	51	54
Operating Temperature Range	Cooling	°C	-10~46	-10~46	-10~46	-10~46
	Heating	°C	-15~24	-15~24	-15~24	-15~24
Electrical Data						
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	700	1,220	1,390	1,950
	Heating	W	840	940	1,710	2,350
Operating Current	Cooling	A	3.6	5.6	6.4	8.8
	Heating	A	4.0	4.5	7.8	10.5
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm	660 x 475 x 242	660 x 475 x 242	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg	9.1	9.1	11.5	11.6
	Outdoor Unit	kg	22.6	22.6	39.7	43.2
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0.70	0.70	1.30	1.30
	Charging Ton Equivalent CO_2	tCO_2e	0.47	0.47	0.88	0.88
	Additional Refrigerant Charging	g/m	15	15	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3.8)	9.52 (3.8)	12.70 (1/2)	15.88 (5/8)
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15	3/30	3/30
Piping Height	Max	m	8	8	15	15
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm

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

Accessory



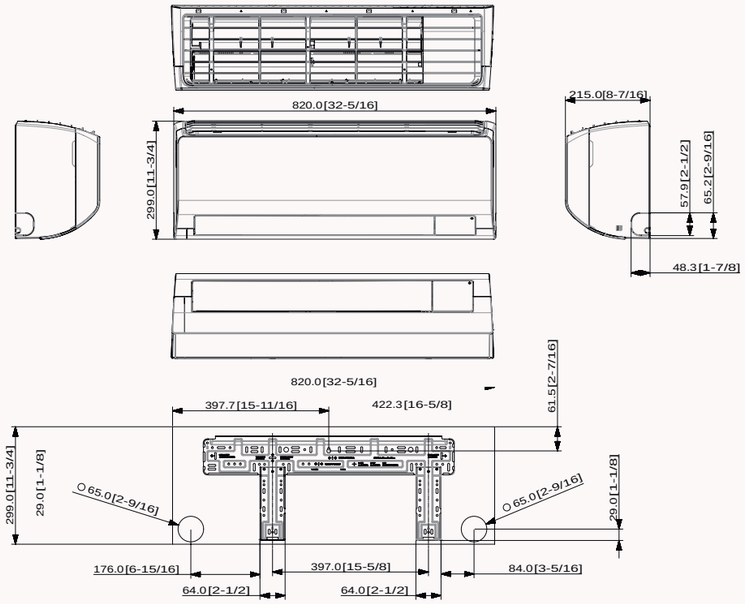
Wireless Remote Controller (included)

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

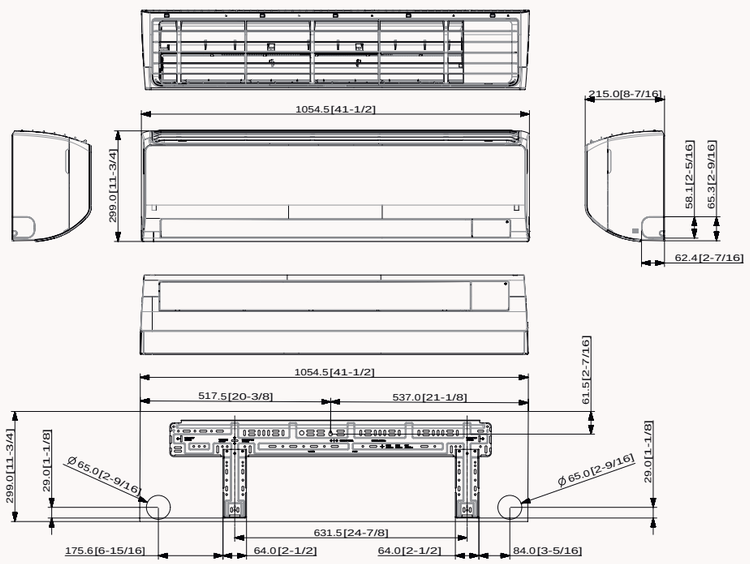
Dimensional drawings

Luzon - Indoor

AR09/12TXHZAWKNEU

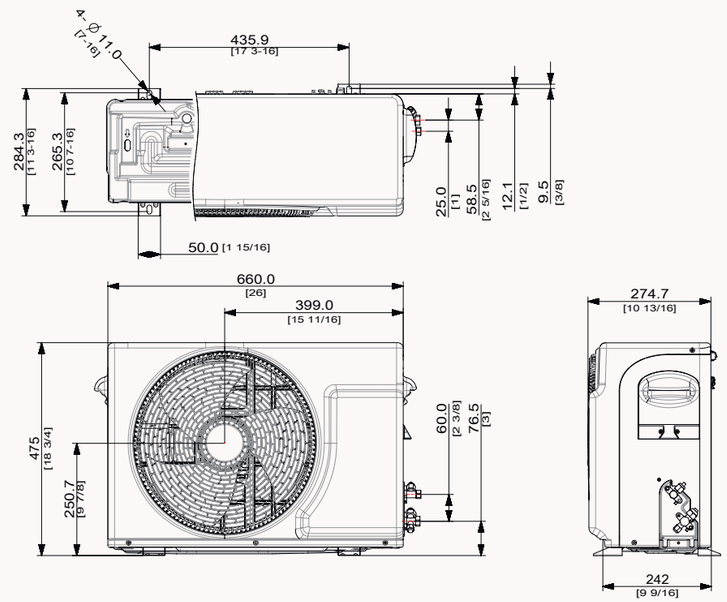


AR18/24TXHZAWKNEU

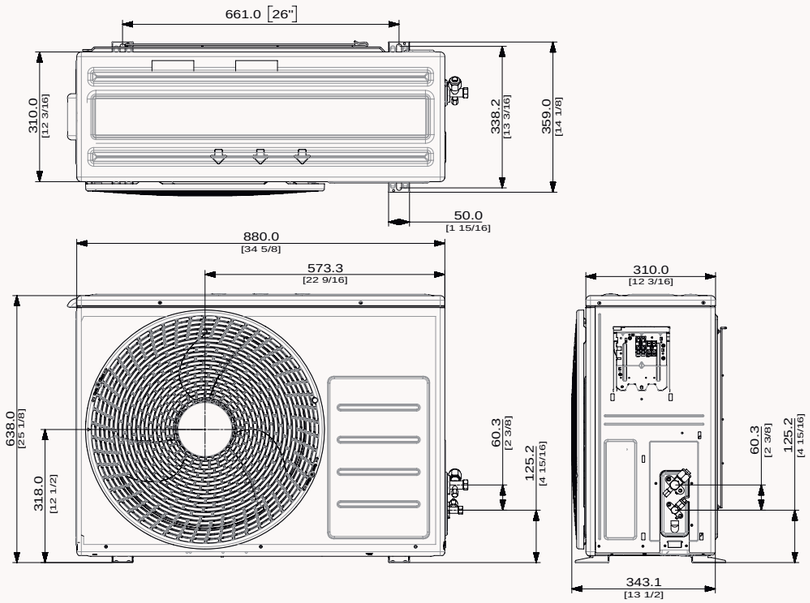


Luzon - Outdoor

AR09TXHZAWKXEU



AR18/24TXHZAWKXEU



Specifications

AR35 and AR30 R32

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



Indoor Unit / Outdoor Unit			AR09TXHQASINEU / AR09TXHQASIXEU	AR12TXHQASINEU / AR12TXHQASIXEU	AR18TXHQASINEU / AR18TXHQASIXEU	AR24TXHQASINEU / AR24TXHQASIXEU	AR09TXHQBWKNEU / AR09TXHQBWKXEU	AR12TXHQBWKNEU / 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
	Heating @ -5 °C	kW	TBA	TBA	TBA	TBA	TBA	TBA
	Heating @ -10 °C	kW	TBA	TBA	TBA	TBA	TBA	TBA
	Heating @ -15 °C	kW	TBA	TBA	TBA	TBA	TBA	TBA
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	256	412	156	211
	Pdesignc	kW	2.8	3.6	5.2	7.0	2.8	3.6
	EER	W/W	3.43	2.90	3.43	2.87	3.43	2.90
Energy Efficiency Heating	SCOP[1]	W/W	4.0/ A+	3.9/ A	4.0/ A+	3.9/ A	4.0/ A+	3.9/ A
	Power Consumption	kWh/a	910	969	1,435	1,723	910	969
	Pdesignh (average)	kW	2.6	2.7	4.1	4.8	2.6	2.7
	COP[1]	W/W	3.91	3.50	3.56	2.71	3.91	3.50
Moisture Removal		L/h	1.0	1.2	1.8	2.6	1.0	1.2
Maximum Airflow (Cooling)	Indoor Unit	m^3/min	7.77	9.00	14.00	16.33	7.77	9.00
	Outdoor Unit	m^3/min	TBA	TBA	TBA	TBA	TBA	TBA
Sound Power	Indoor Unit (Cooling)	dB(A)	55	55	55	59	55	55
	Outdoor Unit (Cooling)	dB(A)	62	65	63	68	62	65
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	36/20	37/22	42/25	43/28	36/20	37/22
	Outdoor Unit High	dB(A)	49	50	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	3.3	5.3	6.9	10.4	3.3	5.3
	Heating	W	3.2	4.7	6.4	11.7	3.2	4.7
Operating Current	Cooling	A	770.0	1,213.0	1,539.0	2,450.0	770.0	1,213.0
	Heating	A	750.0	1,088.0	1,480.0	2,700.0	750.0	1,088.0
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	800 x 554 x 333	845 x 702 x 363	720 x 495 x 270	720 x 495 x 270
Net Weight	Indoor Unit	kg	8.1	8.1	10.5	12.5	8.1	8.1
	Outdoor Unit	kg	23.2	23.2	34.0	52.0	23.2	23.2
Refrigerant								
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Charging (for 5 m)	kg	0.55	0.55	1.00	1.60	0.55	0.55
	Charging Ton Equivalent CO_2	tCO_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, inch	1/4	1/4	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	3/8	3/8	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	TBA	TBA	TBA	TBA	TBA	TBA



Indoor Unit / Outdoor Unit			AR09TXHQASINEU / AR09TXHQASIXEU	AR12TXHQASINEU / AR12TXHQASIXEU	AR18TXHQASINEU / AR18TXHQASIXEU	AR24TXHQASINEU / AR24TXHQASIXEU	AR09TXHQBWKNEU / AR09TXHQBWKXEU	AR12TXHQBWKNEU / 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		●	●	●	●	●	●

Accessory



Wireless Remote Controller (included)

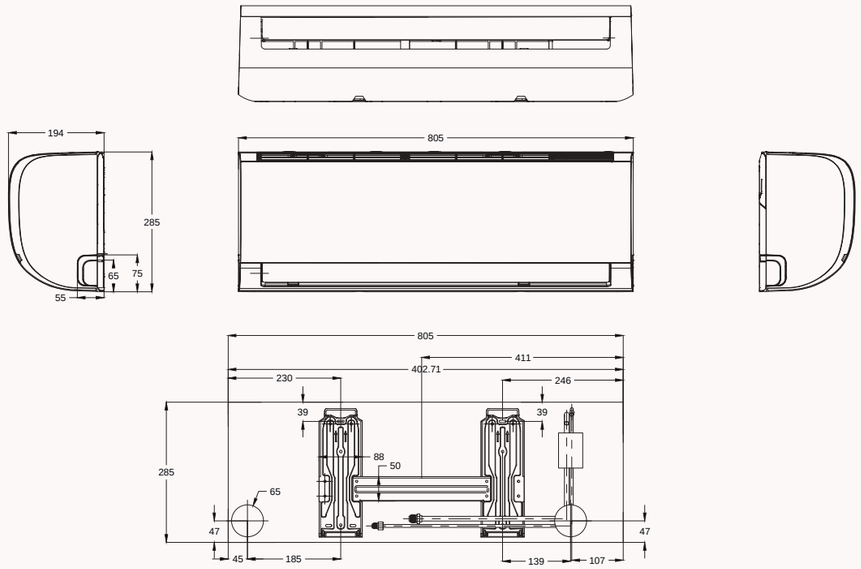
[1]Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Residential

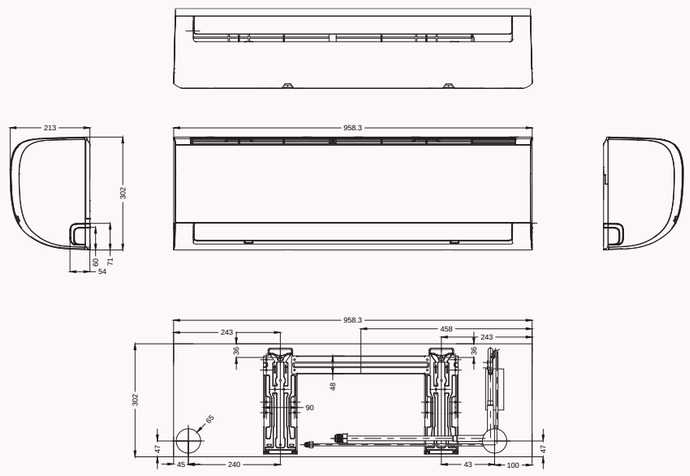
Dimensional drawings

AR35 and AR30

AR09/12TXHQASINEU

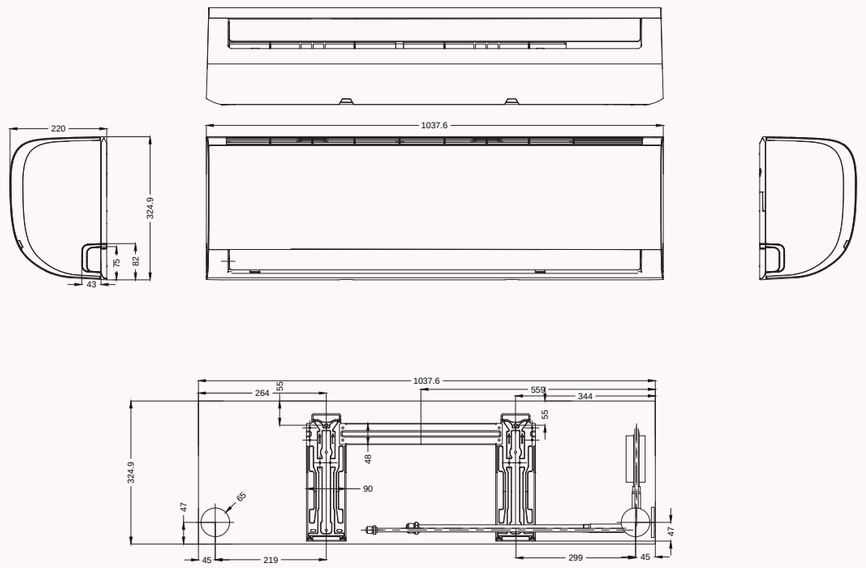


AR18TXHQASINEU



AR35 and AR30

AR24TXHQASINEU



Specifications

Nordic Smart R32

- Heating down to -30 °C.
- Digital Inverter Compressor.
- 2-Step Cooling mode.
- Easy Filter Plus system.
- Wi-Fi Control with Samsung SmartThings.



Indoor Unit Outdoor Unit			AR09NXPDPWKNEE AR09NXPDPWKXEE	AR12NXPDPWKNEE AR12NXPDPWKXEE
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min–Max)	kW	0.9–3.6	0.9–4.2
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min–Max)	kW	0.8–7.1	0.8–7.3
	Heating @ -5 °C	kW	TBA	TBA
	Heating @ -10 °C	kW	TBA	TBA
	Heating @ -15 °C	kW	TBA	TBA
Performance				
Energy Efficiency Cooling	SEER[1]	W/W	8.8/ A+++	8.5/ A+++
	Power Consumption	kWh/a	99	144
	Pdesignc	kW	TBA	TBA
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP[1]	W/W	4.9/ A++	4.8/ A++
	Power Consumption	kWh/a	657	875
	Pdesignh (average)	kW	TBA	TBA
	COP[1]	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min	10.2	10.9
	Outdoor Unit	m^3/min	TBA	TBA
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)	44	45
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 Consumption	Cooling	W	540	885
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	4.4
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	896 x 261 x 261	896 x 261 x 261
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	11.8	11.8
	Outdoor Unit	kg	35.0	35.0
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	1.05	1.05
	Charging Ton Equivalent CO_2	tCO_2e	0.71	0.71
	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



Indoor Unit Outdoor Unit			AR09NXPDPWKNEE AR09NXPDPWKXEE	AR12NXPDPWKNEE AR12NXPDPWKXEE
Functions				
Airflow	Wind-Free™ Cooling			
	Air Direction Control (Up/Down)		Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto
	Auto Fan Speed		●	●
Air Purification	SPi Ioniser		●	●
	PM 2.5 Filter			
	Easy Filter Plus		●	●
	Allergy Care		●	●
	Anti-Bacteria Coating		●	●
	Auto Clean (Self-Cleaning)		●	●
Operating Mode	2-Step Cooling		●	●
	Fast Cooling		●	●
	Comfort Cooling		●	●
	Good Sleep		●	●
	Dehumidification		●	●
	Fan		●	●
	Quiet		●	●
Other Functions	Wi-Fi Control with Samsung SmartThings		●	●
	Filter Cleaning Indicator		●	●
	Indoor Temperature Display		●	●
	Display On/Off	88 Display	●	●
	Beep On/Off		●	●
	Auto Changeover		●	●
	Auto Restart		●	●

Accessory



Wireless Remote Controller (included)

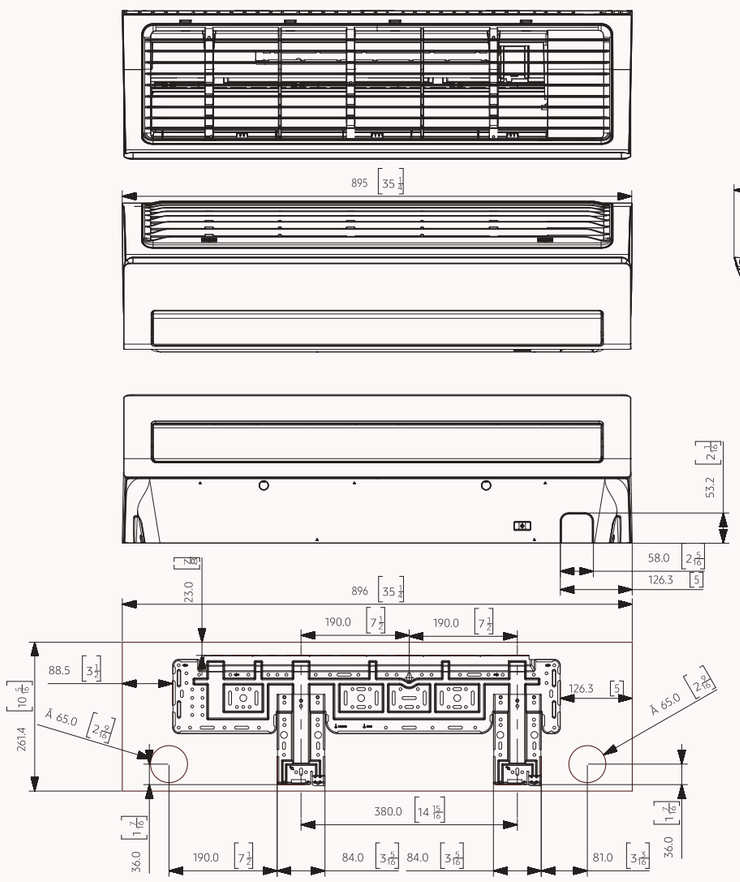
[1]Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Residential

Dimensional drawings

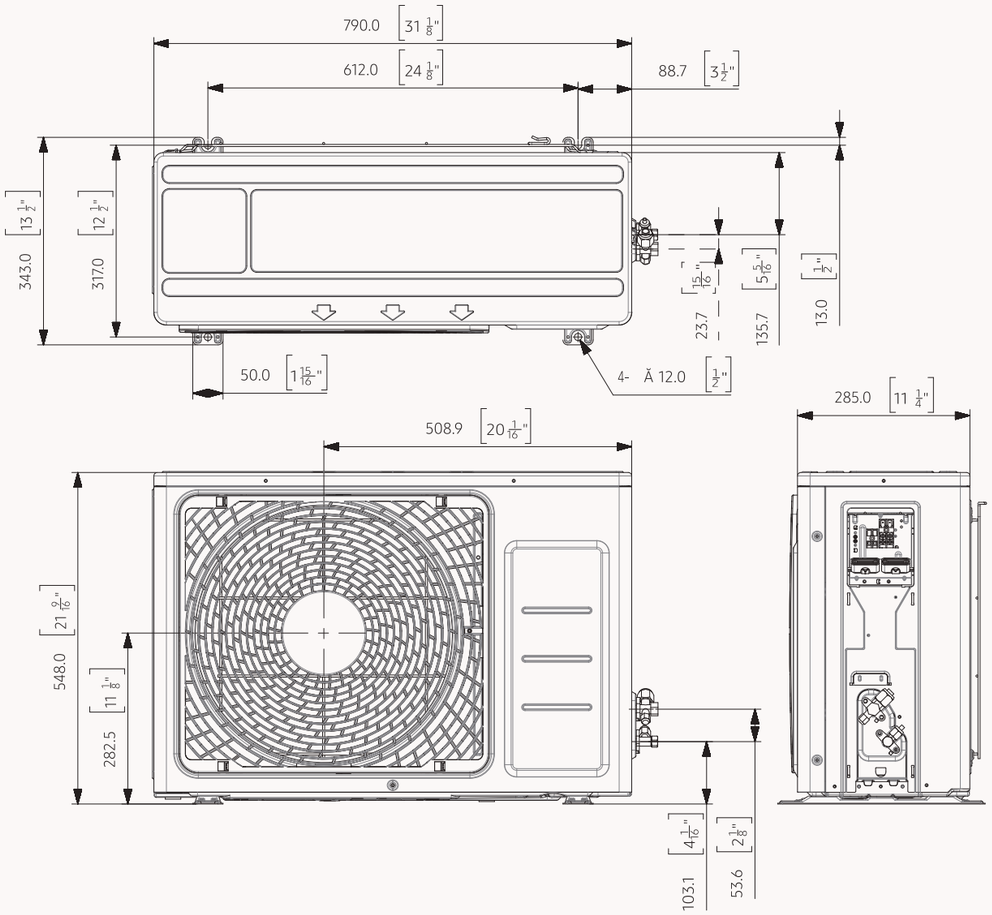
Nordic Smart - Indoor

AR09/12NXPDPWKNEE



Nordic Smart - Outdoor

AR09/12NXPDPWKXEE



Residential

Specifications

Nordic Comfort R32

- Heating down to -30 °C.
- Digital Inverter Compressor.
- 2-Step Cooling mode.
- Easy Filter Plus system.



Indoor Unit / Outdoor Unit			AR09NXFSPWKNEE / AR09NXFSPWKXEE	AR12NXFSPWKNEE / AR12NXFSPWKXEE
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min–Max)	kW	0.9~3.4	0.9~4.2
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min–Max)	kW	0.8~7.0	0.8~7.2
	Heating @ -5 °C	kW	TBA	TBA
	Heating @ -10 °C	kW	TBA	TBA
	Heating @ -15 °C	kW	TBA	TBA
Performance				
Energy Efficiency Cooling	SEER	W/W	8.5/ A+++	7.7/ A++
	Power Consumption	kWh/a	103	159
	Pdesignc	kW	TBA	
	EER	W/W	4.55	3.85
Energy Efficiency Heating	SCOP	W/W	4.6/ A++	4.5/ A+
	Power Consumption	kWh/a	700	933
	Pdesignh (average)	kW	TBA	
	COP[1]	W/W	4.51	4.04
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m^3/min	9.8	10.5
	Outdoor Unit	m^3/min	TBA	
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)	44	45
Operating Temperature Range	Cooling	°C	-15~46	-15~46
	Heating	°C	-25~24	-25~24
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 Consumption	Cooling	W	550	910
	Heating	W	710	990
Operating Current	Cooling	A	2.8	4.2
	Heating	A	3.5	4.6
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	896 x 261 x 261	896 x 261 x 261
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	10.8	10.8
	Outdoor Unit	kg	33.6	33.6
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.92	0.92
	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



Indoor Unit / Outdoor Unit			AR09NXFSPWKNEE / AR09NXFSPWKXEE	AR12NXFSPWKNEE / AR12NXFSPWKXEE
Functions				
Airflow	Wind-Free™ Cooling			
	Air Direction Control (Up/Down)		Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto
	Auto Fan Speed		●	●
Air Purification	SPi Ioniser		●	●
	PM 2.5 Filter			
	Easy Filter Plus		●	●
	Allergy Care		●	●
	Anti-Bacteria Coating		●	●
	Auto Clean (Self-Cleaning)		●	●
Operating Mode	2-Step Cooling		●	●
	Fast Cooling		●	●
	Comfort Cooling		●	●
	Good Sleep		●	●
	Dehumidification		●	●
	Fan		●	●
	Quiet		●	●
Other Functions	Wi-Fi Control with Samsung SmartThings			
	Filter Cleaning Indicator		●	●
	Indoor Temperature Display		●	●
	Display On/Off	88 Display	●	●
	Beep On/Off		●	●
	Auto Changeover		●	●
	Auto Restart		●	●

Accessory



Wireless
Remote Controller (included)

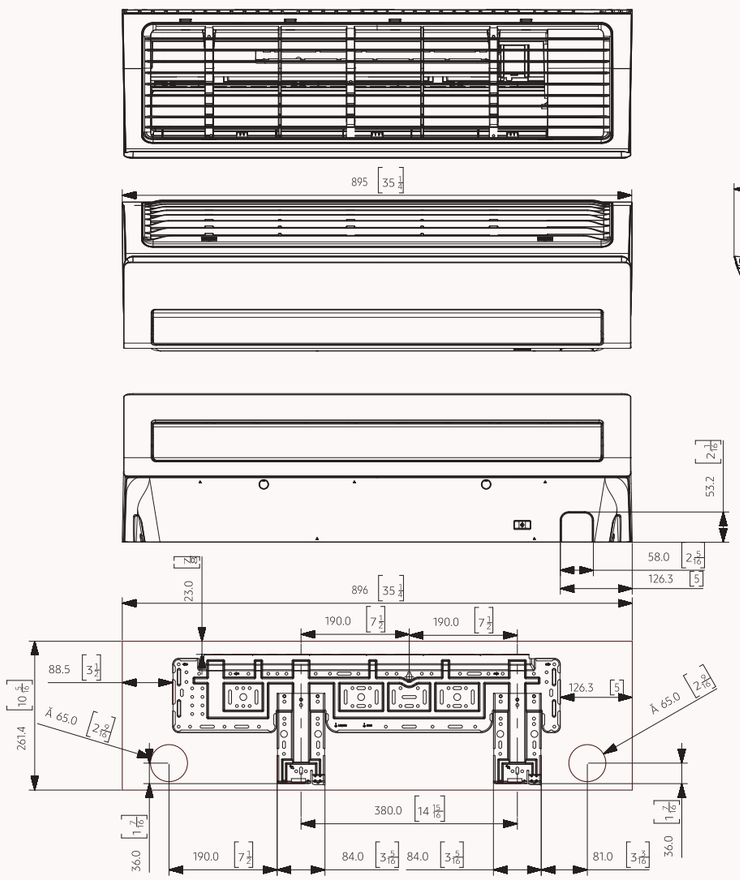
[1]Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Residential

Dimensional drawings

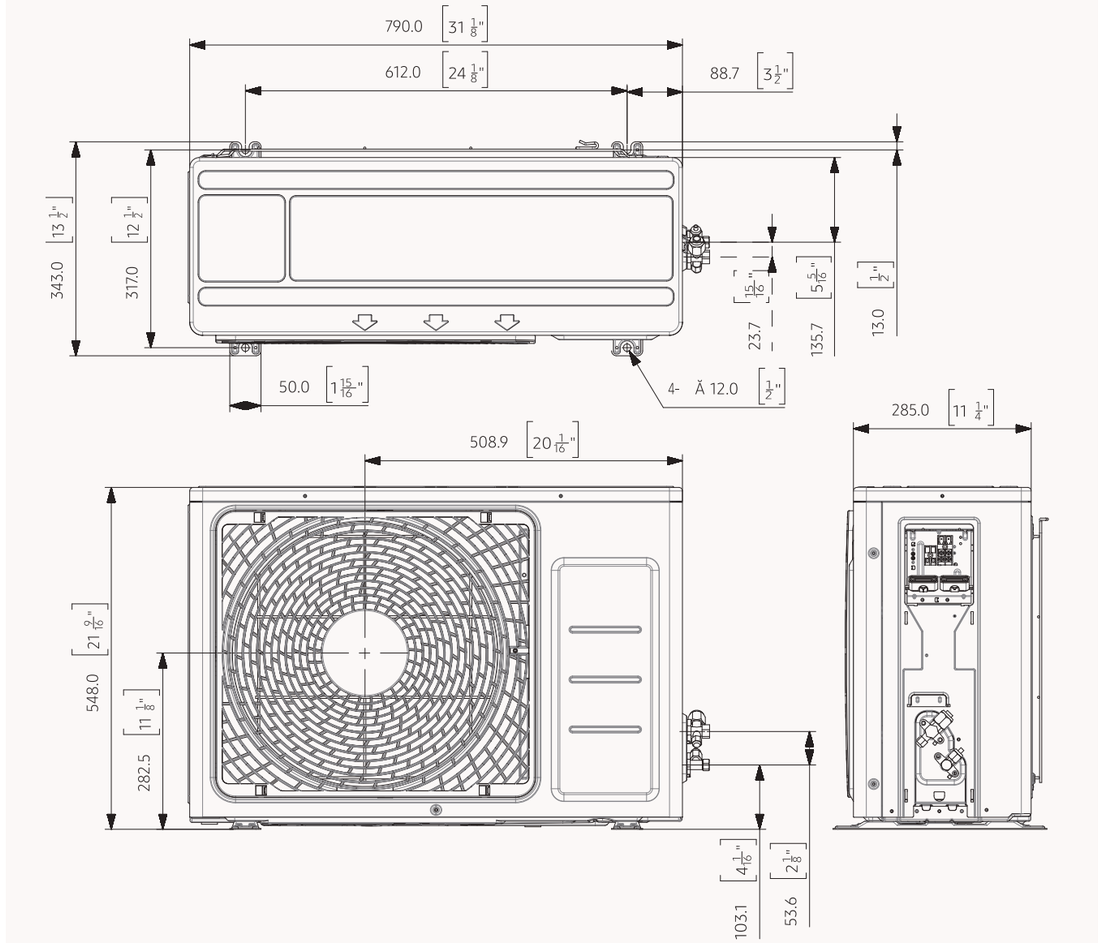
Nordic Comfort - Indoor

AR09/12NXFSPWKNEE



Nordic Comfort - Outdoor

AR09/12NXFSPWKXEE



Multi Split

Line-up

Indoor

Model		1.6 kW	2.0 kW	2.5 kW	3.5 kW	5.2 kW	6.8 kW
Wind-Free™ Elite			•	•	•		
Wind-Free™ Avant			•	•	•	•	•
Wind-Free™ Comfort			•	•	•	•	•
Cebu			•	•	•	•	•
Luzon			•	•	•	•	•
Wind-Free™ Mini 4-Way Cassette		•	•	•	•	•	
Wind-Free™ 1-Way Cassette				•	•		
MSP Duct					•		
LSP Slim Duct			•	•			
Console			•	•	•		

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



Multi Split

Selection guide

		Wall-Mounted				
						
Model		Wind-Free™ Elite	Wind-Free™ Avant	Wind-Free™ Comfort	Cebu	Luzon
Airflow	Wind-Free™ Cooling	●	●	●		
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Manual	Manual
	Airflow Control Step (Cool/Fan)	5/4	5/4	5/4	5/4	5/4
	Auto Fan Speed	●	●	●	●	●
Air Purification	PM 10 Filter	●	●			
	Easy Filter Plus/HD Filter	●	●	●	●	●
	Tri-Care Filter	●	●			
	Allergy Care	●	●	●	●	●
	Anti-Bacteria Coating	●	●			
	Anti-Virus Coating	●	●	●	●	●
Functions	Samsung SmartThings	●	●	●	●	●
	Smart Operation (AI)	●	●	●	●	
	MDS (Motion Detect Sensor)	●				
	Humidity Sensor	●	●	●		
	Filter Cleaning Indicator	●	●	●	●	●
	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	Optional	Optional
	Centralised Controller Compatibility	Optional	Optional	Optional	Optional	Optional
Others	EEV Included	●	●	●	●	●
	Drain Pump Included					

	Cassette		Duct		Others
					
Model	Wind-Free™ Mini 4-Way Cassette	Wind Free™ 1-Way Cassette	MSP Duct	LSP Slim Duct	Console
Airflow	●	●			
Air Purification					
Functions	Optional	Optional	Optional	Optional	Optional
	Optional				
	●	●			
Operating Mode					
	●	●			
Triple Protector					
Controls					●
	Optional	Optional	Optional	Optional	Optional
	Optional	Optional	Optional	Optional	Optional
Others	●	●	●	●	●
	●	●	Optional	Optional	

Multi Split

Multi Split

Nomenclature

Multi Split - Indoor units

AJ	026	T	B	N	D	E	G	EU
1	2	3	4	5	6	7	8	

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

Multi Split - Outdoor units

AJ	026	T	C	J	2	E	G	EU
1	2	3	4	5	6	7	8	

1	**Classification**	**AJ**	Multi Split - Free Joint Multi (FJM)
2	**Capacity**		**x1/10 kW (3 digits)**
3	**Version**	**T**	2020
4	**Product Type**	**C**	Outdoor Unit (non-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
		K	1Φ, 220~240V, 50/60Hz
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

FJM 2020 NASA

Model			Wind-Free™ Elite			Wind-Free™ Avant					Wind-Free™ Comfort				
Indoor unit model code			AR07TXCAAWKNEU/09/12			AR07TXEAAWKNEU/09/12					AR07TXFCAWKNEU/ 09/12/18/24				
Refrigerant type	Outdoor unit model code	Capacity (kW)	2.0	2.5	3.5	2.0	2.5	3.5	5.2	6.8	2.0	2.5	3.5	5.2	6.8
R32 NASA	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 FJM NASA






Model			Wind-Free™ Mini 4-Way Cassette					Wind-Free™ 1-Way		Slim Duct			Console		
Indoor unit model code			AJ016TNNDKG/EU/20/26/35/52					AJ026TN1DKG/EU/35		AJ026TNLDEG/EU/35/52			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 NASA	AJ040TXJ2KG/EU	4.0						●	●				●	●	
	AJ050TXJ2KG/EU	5.0	●	●	●	●		●	●	●	●		●	●	●
	AJ052TXJ3KG/EU	5.2	●	●	●	●		●	●	●	●		●	●	●
	AJ068TXJ3KG/EU	6.8	●	●	●	●	●	●	●	●	●	●			
	AJ080TXJ4KG/EU	8.0	●	●	●	●	●	●	●	●	●	●			
	AJ100TXJ5KG/EU	10.0	●	●	●	●	●	●	●	●	●	●			

FJM 2020 NASA

Cebu	Luzon
AR07TXFYAWKNEU/09/12/18/24	AR07TXHZAWKNEU/09/12/18/24

2.0	2.5	3.5	5.2	6.8	2.0	2.5	3.5	5.2	6.8
●	●	●			●	●	●		
●	●	●	●		●	●	●	●	
●	●	●	●		●	●	●	●	
●	●	●	●		●	●	●	●	
●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●

Specifications

Outdoor units R32

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







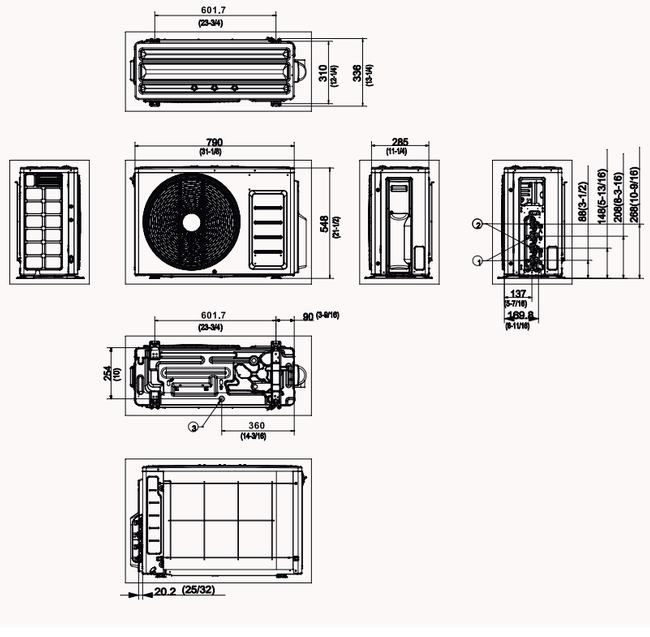

Outdoor Unit			AJ040TXJ2KG/EU	AJ050TXJ2KG/EU	AJ052TXJ3KG/EU	AJ068TXJ3KG/EU	AJ080TXJ4KG/EU	AJ100TXJ5KG/EU
Maximum number of connectable indoor units			2	2	3	3	4	5
Capacity								
Capacity	Cooling (Nominal)	kW	4.0	5.0	5.2	6.8	8.0	10.0
	Heating @ +7 °C	kW	4.2	5.6	6.3	8.0	9.3	12.0
	Heating @ -5 °C	kW	3.16	4.22	4.22	6.02	7.00	9.03
	Heating @ -10 °C	kW	2.70	3.60	3.60	5.14	5.97	7.70
	Heating @ -15 °C	kW	2.23	2.98	2.98	4.25	4.94	6.38
Performance								
Energy Efficiency Cooling	SEER[1]	W/W	8.54	8.54	8.51	7.75	7.75	8.00
	Power Consumption	kWh/a	164	205	206	293	330	TBA
	Pdesignc	kW	4.0	5.0	5.0	6.5	7.3	TBA
	EER	W/W	4.44	4.10	4.16	3.78	4.06	3.64
Energy Efficiency Heating	SCOP[1]	W/W	4.60	4.64	4.60	4.32	4.10	4.32
	Power Consumption	kWh/a	922	1,270	1,400	1,833	2,009	TBA
	Pdesignh (average)	kW	3.1	4.2	4.6	5.7	5.9	TBA
	COP[1]	W/W	4.64	4.38	4.77	4.42	4.37	4.26
Airflow Rate		m^3/min	29.7	33.1	38.0	47.5	47.5	75.0
Sound Power		dB(A)	60	61	61	64	64	70
Sound Pressure	Cooling	dB(A)	45	46	46	48	48	54
	Heating	dB(A)	46	47	48	50	50	56
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Discharge direction		Front (horizontal)	Front (horizontal)	Front (horizontal)	Front (horizontal)	Front (horizontal)	Front (horizontal)
	Power	W	40	40	125	125	125	125
	Number of Fans	-	1	1	1	1	1	1
Operating Temperature Range	Cooling	°C	-5.0~46.0	-5.0~46.0	-10.0~46.0	-10.0~46.0	-10.0~46.0	-10.0~46.0
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Electrical Data								
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type			Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power Consumption	Cooling	kW	0.90	1.22	1.25	1,80	1.97	2.75
	Heating	kW	0.90	1.28	1.32	1.81	2.13	2.82
Operating Current	Cooling	A	4.1	5.6	5.5	8.1	8.9	12.2
	Heating	A	4.1	5.9	6.1	8.2	9.5	12.8
Dimensions								
Net Dimensions (W x H x D)		mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330
Net Weight		kg	32.0	33.0	44.5	57.5	57.5	76.5
Refrigerant								
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)				R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	kg	0.98	1.18	1.55	2.00	2.00	2.70
	Chargeless Piping Length	m	30.0	30.0	30.0	30.0	40.0	40.0
	Charging Ton equivalent CO_2	tCO_2e	0.66	0.80	1.05	1.35	1.35	1.82
	Additional Refrigerant Charging	g/m				10	10	10
Piping Connections	Liquid Pipe	ø, inch	1/4 x 2	1/4 x 2	1/4 x 3	1/4 x 3	1/4 x 4	1/4 x 5
	Gas Pipe	ø, inch	3/8 x 2	3/8 x 2	3/8 x 2 + 1/2	3/8 + 1/2 x 2	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 3
Piping Length	Total Piping Length	m	30	30	50	50	70	75
	Min/Max	m	3/25	3/25	3/25	3/25	3/25	3/25
Piping Height	Max Height (ID-ID)	m	7.5	7.5	7.5	7.5	7.5	7.5
	Max Height (OD-ID)	m	15	15	15	15	15	15

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

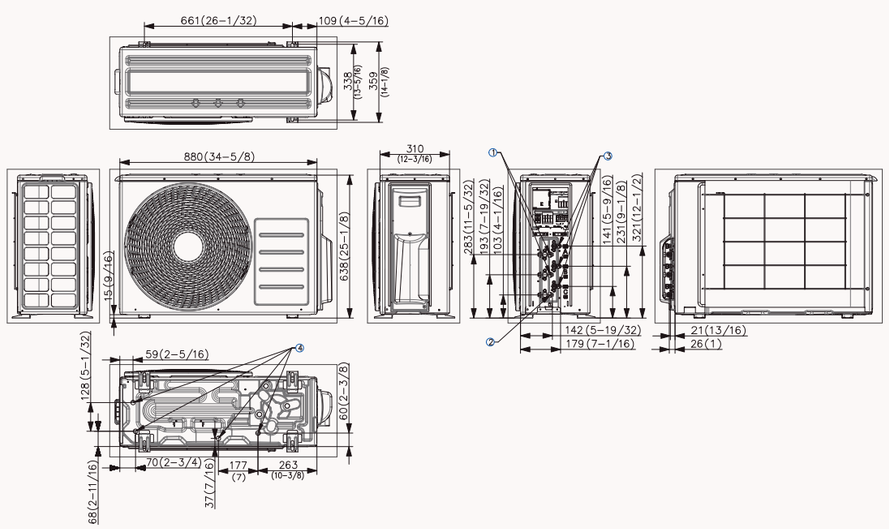
Dimensional drawings

Outdoor units

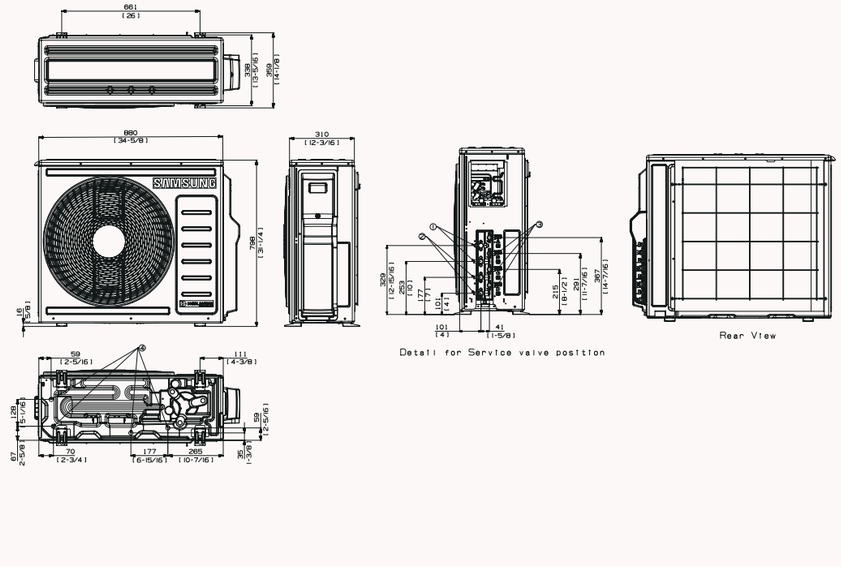
AJ040/50TXJ2KG/EU



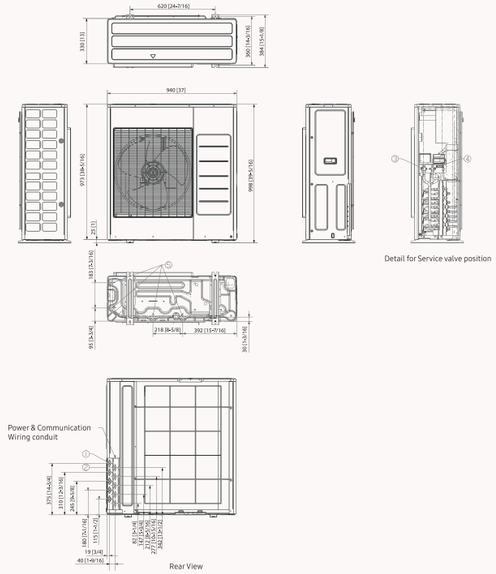
AJ052TXJ3KG



AJ068/80TXJ3EG/EU



AJ100TXJ5EG/EU



Multi Split

Specifications

Wind-Free™ Elite R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and Wind-Free™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort and Motion Detect Sensor.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.



Indoor Unit			AR07TXCAAWKNEU	AR09TXCAAWKNEU	AR12TXCAAWKNEU
Capacity					
Capacity	Cooling	kW	2.0	2.5	3.5
	Heating @ +7 °C	kW	2.2	3.2	4.0
Performance					
Moisture Removal		l/h	TBA	1.0	1.5
Airflow Rate		m^3/min	10.7	11.1	12.1
Sound Power	Cooling	dB(A)	56	56	58
Sound Pressure	H/L	dB(A)	37/19	39/16	40/16
Electrical Data					
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	40	40	40
	Heating	W	40	40	40
Current Input	Cooling	A	0.4	0.4	0.4
	Heating	A	0.4	0.4	0.4
Dimensions					
Net Dimensions (W x H x D)		mm	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215
Net Weight		kg	10.3	10.3	10.3
Refrigerant					
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16



Indoor Unit			AR07TXCAAWKNEU	AR09TXCAAWKNEU	AR12TXCAAWKNEU
Functions					
Airflow	Wind-Free™ Cooling		●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto
	Auto Fan Speed		●	●	●
Air Purification	Tri-Care Filter		●	●	●
	Easy Filter Plus		●	●	●
	Auto Clean (Self-Cleaning)		●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)		●	●	●
	AI Auto Comfort with Wi-Fi		●	●	●
	Auto Mode (without Wi-Fi)				
	Fast Cooling		●	●	●
	Good Sleep		●	●	●
	Eco		●	●	●
	Dehumidification		●	●	●
	Fan		●	●	●
	Quiet		●	●	●
Other Functions	Samsung SmartThings		●	●	●
	MDS (Motion Detect Sensor)		●	●	●
	Indoor Temperature Display	88 Display	●	●	●
	Display On/Off		●	●	●
	Beep On/Off		●	●	●
	Auto Changeover		●	●	●
	Auto Restart		●	●	●

Accessory

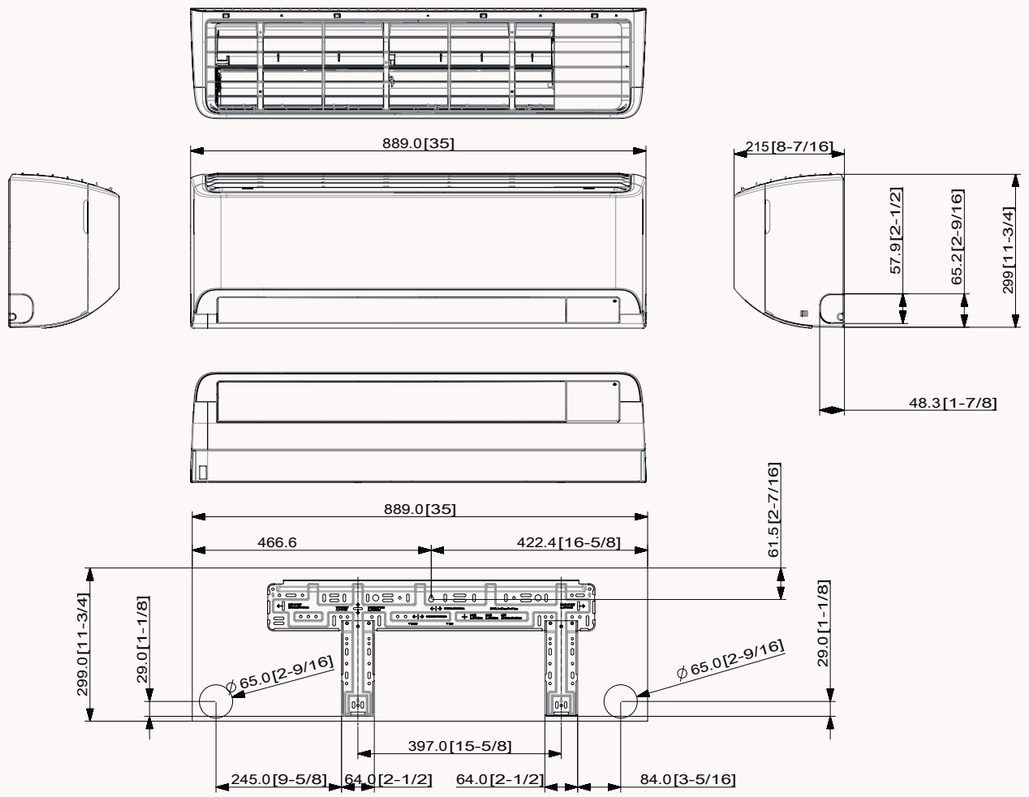
Wireless Controller (included)

Multi Split

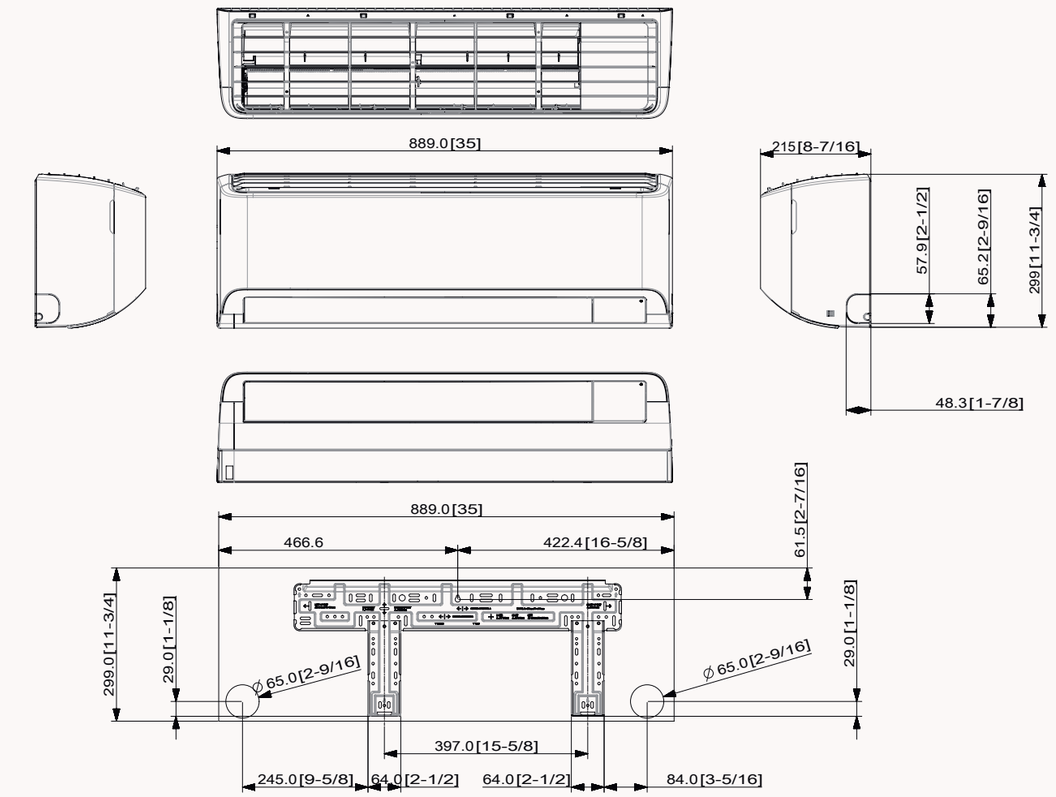
Dimensional drawings

Wind-Free™ Elite

AR07/09TXCAAWKNEU



AR12TXCAAWKNEU



Multi Split

Specifications

Wind-Free™ Avant R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and Wind-Free™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.







Indoor Unit			AR07TXEAAWKNEU	AR09TXEAAWKNEU	AR12TXEAAWKNEU	AR18TXEAAWKNEU	AR24TXEAAWKNEU
Capacity							
Capacity	Cooling	kW	2.0	2.5	3.5	5.0	6.5
	Heating @ +7 °C	kW	2.2	3.2	4.0	6.0	7.4
Performance							
Moisture Removal		l/h	TBA	1.0	1.5	2.0	2.5
Airflow Rate		m^3/min	10.7	9.5	10.5	15.7	17.6
Sound Power	Cooling	dB(A)	56	57	57	58	62
Sound Pressure	H/L	dB(A)	37/19	38/16	40/16	41/25	45/26
Electrical Data							
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	40	40	40	40	40
	Heating	W	40	40	40	40	40
Current Input	Cooling	A	0.4	0.4	0.4	0.4	0.4
	Heating	A	0.4	0.4	0.4	7.8	0.4
Dimensions							
Net Dimensions (W x H x D)		mm	828 x 267 x 265	828 x 267 x 265	828 x 267 x 265	1,065 x 301 x 311	1,065 x 301 x 311
Net Weight		kg	9.4	9.4	9.4	13.2	13.4
Refrigerant							
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2	5/8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16	ID 16
Functions							
Airflow	Wind-Free™ Cooling		●	●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto	Auto
	Auto Fan Speed		●	●	●	●	●
Air Purification	Tri-Care Filter		●	●	●	●	●
	Easy Filter Plus		●	●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)						
	AI Auto Comfort with Wi-Fi		●	●	●	●	●
	Auto Mode (without Wi-Fi)						
	Fast Cooling		●	●	●	●	●
	Good Sleep		●	●	●	●	●
	Eco		●	●	●	●	●
	Dehumidification		●	●	●	●	●
	Fan		●	●	●	●	●
	Quiet		●	●	●	●	●
Other Functions	Samsung SmartThings		●	●	●	●	●
	MDS (Motion Detect Sensor)						
	Indoor Temperature Display	88 Display	●	●	●	●	●
	Display On/Off		●	●	●	●	●
	Beep On/Off		●	●	●	●	●
	Auto Changeover		●	●	●	●	●
	Auto Restart		●	●	●	●	●

Accessory

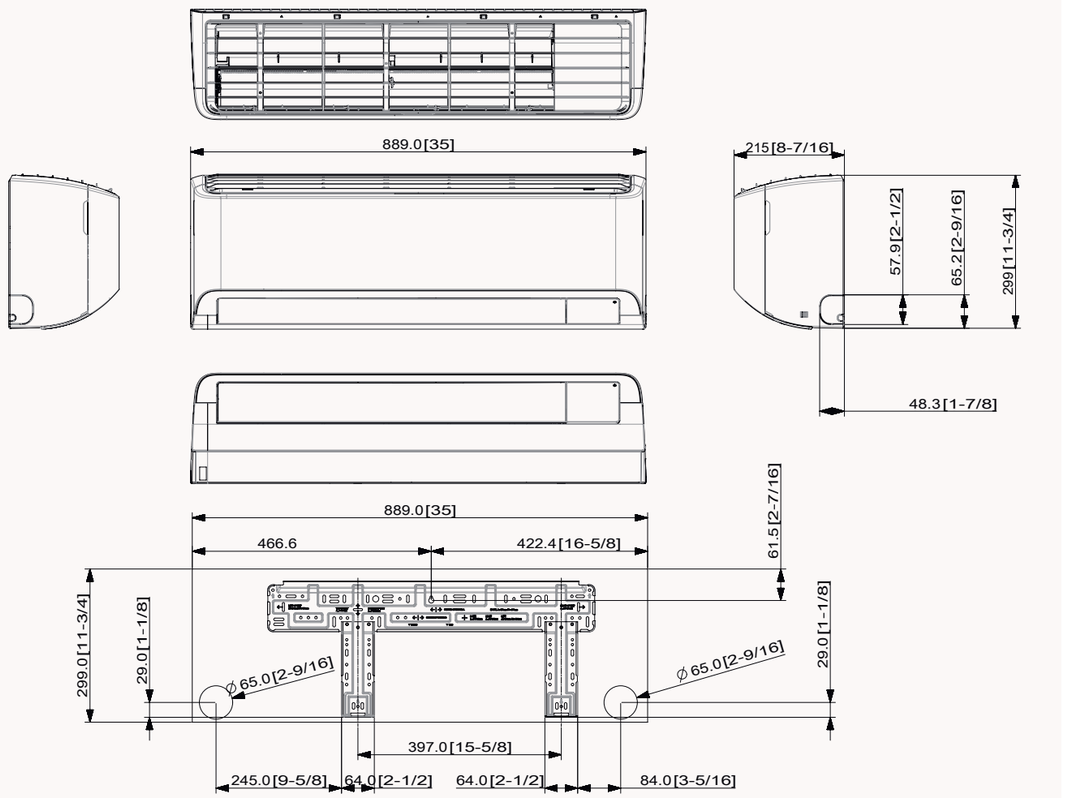


Wireless Remote Controller (included)

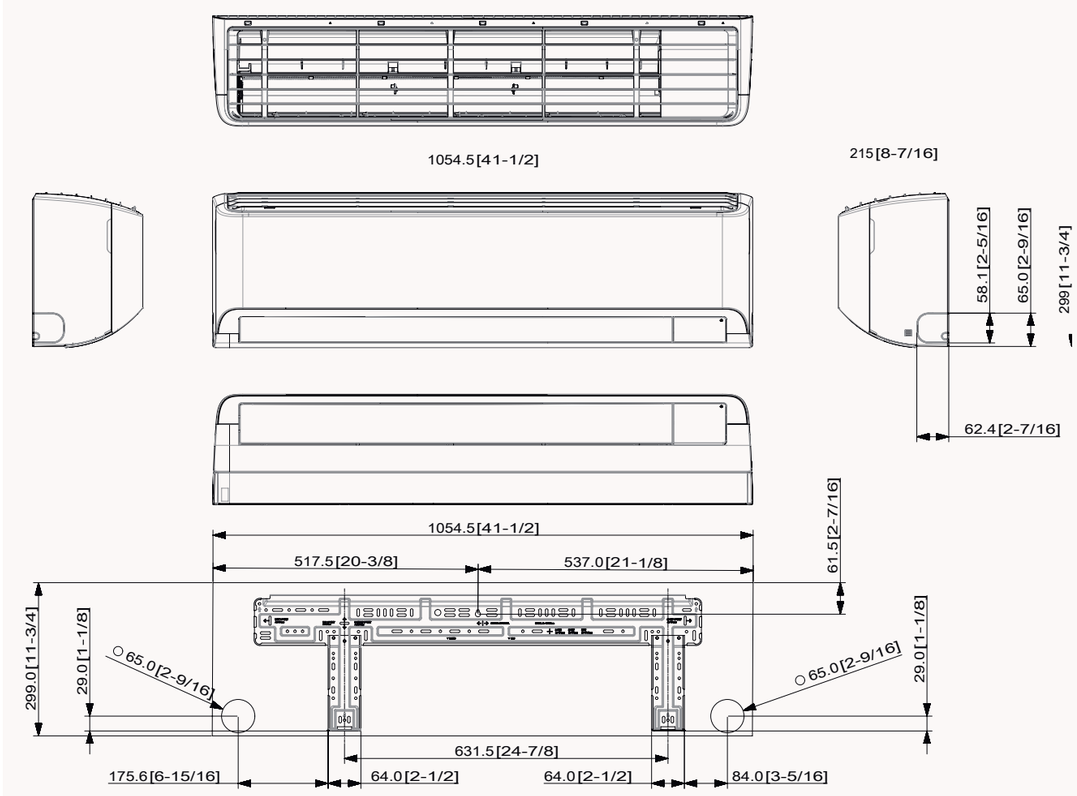
Dimensional drawings

Wind-Free™ Avant

AR07/09/12TXEAAWKNEU



AR18/24TXEAAWKNEU



Specifications

Wind-Free™ Comfort R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and Wind-Free™ Cooling mode.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.







Indoor Unit			AR07TXFCAWKNEU	AR09TXFCAWKNEU	AR12TXFCAWKNEU	AR18TXFCAWKNEU	AR24TXFCAWKNEU
Capacity							
Capacity	Cooling	kW	2.0	2.5	3.5	5.0	6.5
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0	7.4
Performance							
Moisture Removal		l/h	TBA	1.0	1.5	2.0	2.5
Airflow Rate		m^3/min	9.9	10.3	10.7	16.6	18.6
Sound Power	Cooling	dB(A)	54	54	56	58	TBA
Sound Pressure	H/L	dB(A)	36/19	37/19	38/19	41/25	TBA
Electrical Data							
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	30	30	30	TBA	TBA
	Heating	W	30	30	30	TBA	TBA
Current Input	Cooling	A	0.3	0.3	0.3	TBA	TBA
	Heating	A	0.3	0.3	0.3	TBA	TBA
Dimensions							
Net Dimensions (W x H x D)		mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	8.9	8.9	8.9	12.2	12.2
Refrigerant							
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2	5/8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16	ID 16
Functions							
Airflow	Wind-Free™ Cooling		●	●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto	Auto
	Auto Fan Speed		●	●	●	●	●
Air Purification	Tri-Care Filter						
	Easy Filter Plus		●	●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)						
	AI Auto Comfort with Wi-Fi		●	●	●	●	●
	Auto Mode (without Wi-Fi)						
	Fast Cooling		●	●	●	●	●
	Good Sleep		●	●	●	●	●
	Eco		●	●	●	●	●
	Dehumidification		●	●	●	●	●
	Fan		●	●	●	●	●
	Quiet		●	●	●	●	●
Other Functions	Samsung SmartThings		●	●	●	●	●
	MDS (Motion Detect Sensor)						
	Indoor Temperature Display	88 Display	●	●	●	●	●
	Display On/Off		●	●	●	●	●
	Beep On/Off		●	●	●	●	●
	Auto Changeover		●	●	●	●	●
	Auto Restart		●	●	●	●	●

Accessory

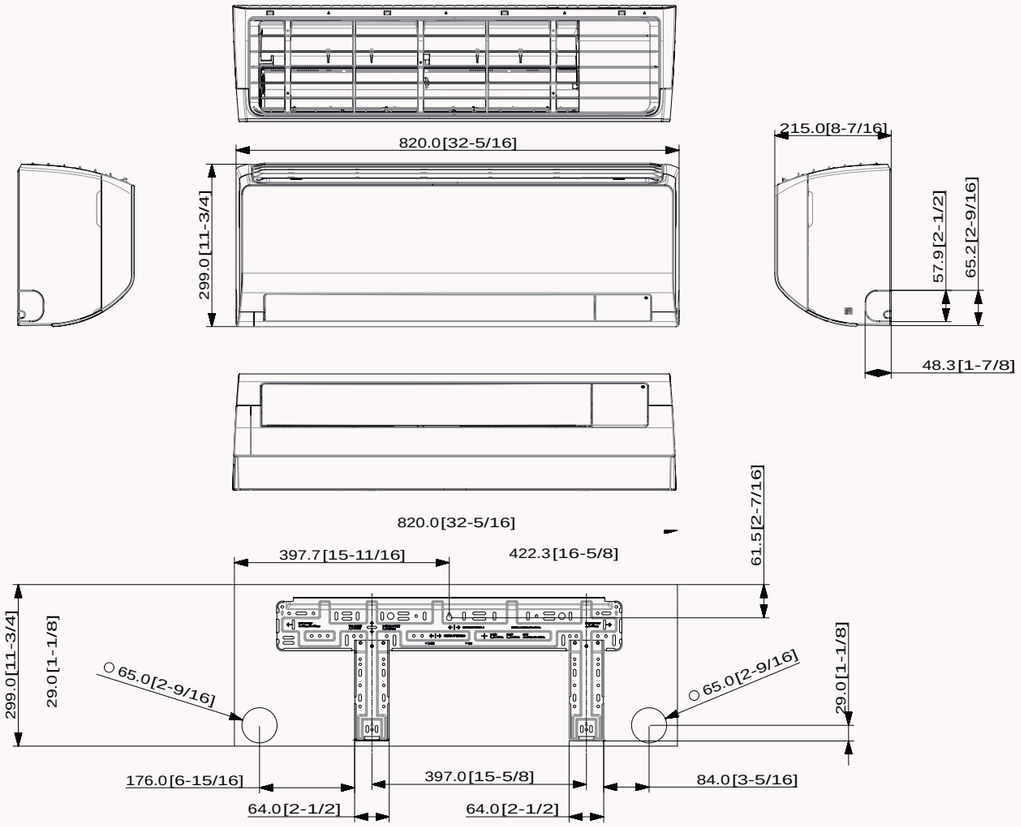


Wireless
Remote Controller (included)

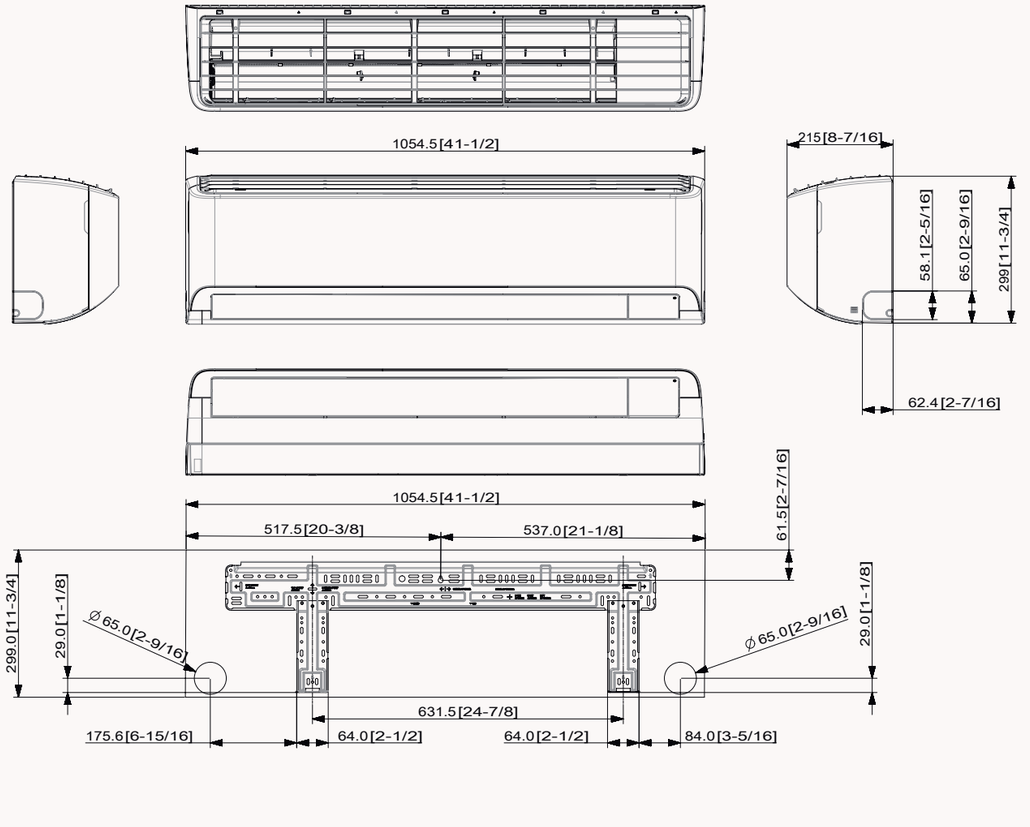
Dimensional drawings

Wind-Free™ Comfort

AR07/09/12TXFCAWKNEU



AR18/24TXFCAWKNEU



Specifications

Cebu R32

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

Indoor Unit			AR07TXFYAWKNEU	AR09TXFYAWKNEU	AR12TXFYAWKNEU	AR18TXFYAWKNEU	AR24TXFYAWKNEU
Capacity							
Capacity	Cooling	kW	2.0	2.5	3.5	5.0	6.5
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0	7.4
Performance							
Moisture Removal		l/h	-	1.0	1.5	2.0	2.5
Airflow Rate		m^3/min	9.9	10.5	10.9	16.5	18.4
Sound Power	Cooling	dB(A)	54	TBA	TBA	58	TBA
Sound Pressure	H/L	dB(A)	36/19	TBA	TBA	41/25	TBA
Electrical Data							
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	30	30	30	TBA	TBA
	Heating	W	30	30	30	TBA	TBA
Current Input	Cooling	A	0.3	0.3	0.3	TBA	TBA
	Heating	A	0.3	0.3	0.3	TBA	TBA
Dimensions							
Net Dimensions (W x H x D)		mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	8.9	8.9	8.9	12.2	12.2
Refrigerant							
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2	5/8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16	ID 16
Functions							
Airflow	Wind-Free™ Cooling						
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	Manual	Manual	Manual	Manual
	Auto Fan Speed		●	●	●	●	●
Air Purification	Tri-Care Filter						
	Easy Filter Plus		●	●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)						
	AI Auto Comfort with Wi-Fi		●	●	●	●	●
	Auto Mode (without Wi-Fi)						
	Fast Cooling		●	●	●	●	●
	Good Sleep		●	●	●	●	●
	Eco		●	●	●	●	●
	Dehumidification		●	●	●	●	●
	Fan		●	●	●	●	●
	Quiet		●	●	●	●	●
Other Functions	Samsung SmartThings		●	●	●	●	●
	MDS (Motion Detect Sensor)						
	Indoor Temperature Display	88 Display	●	●	●	●	●
	Display On/Off		●	●	●	●	●
	Beep On/Off		●	●	●	●	●
	Auto Changeover		●	●	●	●	●
	Auto Restart		●	●	●	●	●

Accessory



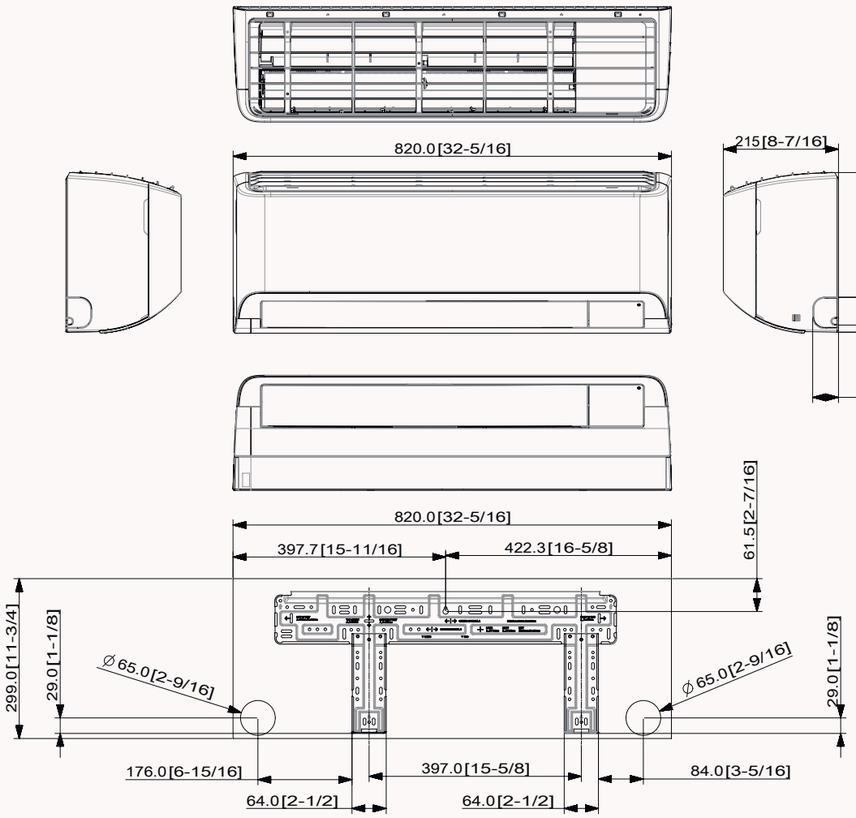
Wireless Remote Controller (included)

Multi Split

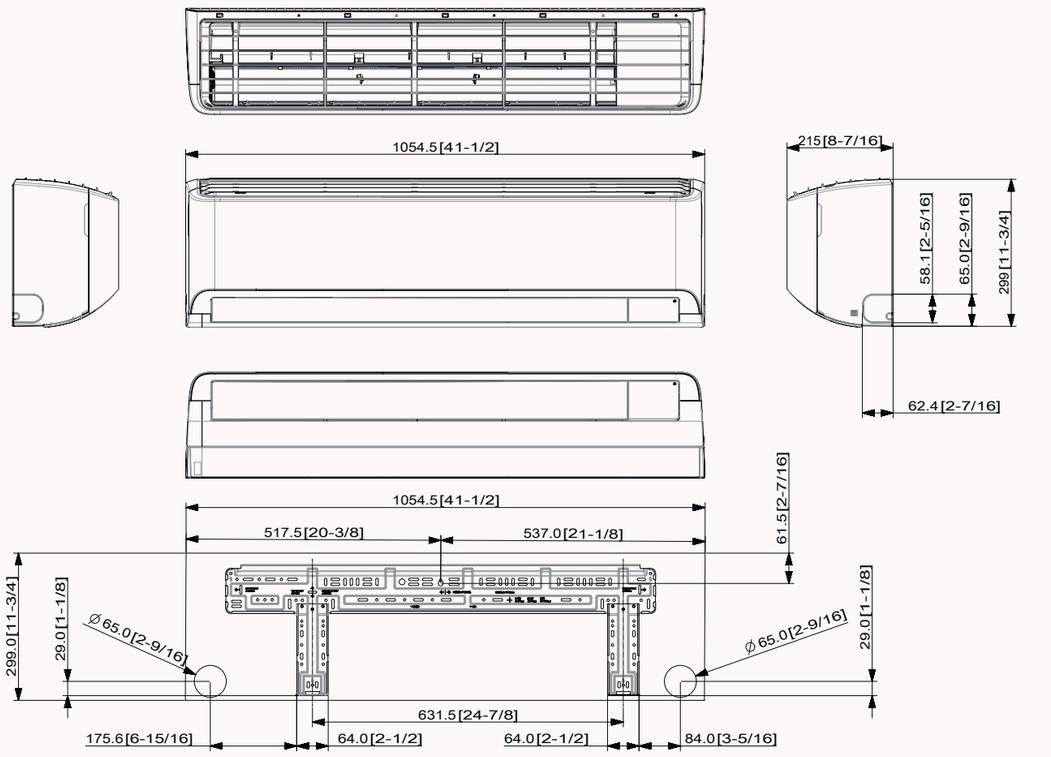
Dimensional drawings

Cebu

AR07/09/12TXFYAWKNEU



AR18/24TXFYAWKNEU



Multi Split

Specifications

Luzon R32

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

Indoor Unit			AR07TXHZAWKNEU	AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
Capacity							
Capacity	Cooling	kW	2.0	2.5	3.5	5.0	6.5
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0	7.4
Performance							
Moisture Removal		l/h	-	1.0	1.5	2.0	2.5
Airflow Rate		m^3/min	9.9	10.5	10.9	16.5	18.4
Sound Power	Cooling	dB(A)	54	54	56	58	62
Sound Pressure	H/L	dB(A)	36/19	37/19	38/19	41/25	45/26
Electrical Data							
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Power Consumption	Cooling	W	30	30	30	TBA	TBA
	Heating	W	30	30	30	TBA	TBA
Current Input	Cooling	A	0.3	0.3	0.3	TBA	TBA
	Heating	A	0.3	0.3	0.3	TBA	TBA
Dimensions							
Net Dimensions (W x H x D)		mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	8.9	8.9	8.9	12.2	12.2
Refrigerant							
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2	5/8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16	ID 16
Functions							
Airflow	Wind-Free™ Cooling						
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	Manual	Manual	Manual	Manual
	Auto Fan Speed		●	●	●	●	●
Air Purification	Tri-Care Filter						
	Easy Filter Plus		●	●	●	●	●
	Auto Clean (Self-Cleaning)		●	●	●	●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)						
	AI Auto Comfort with Wi-Fi						
	Auto Mode (without Wi-Fi)		●	●	●	●	●
	Fast Cooling		●	●	●	●	●
	Good Sleep		●	●	●	●	●
	Eco		●	●	●	●	●
	Dehumidification		●	●	●	●	●
	Fan		●	●	●	●	●
	Quiet		●	●	●	●	●
Other Functions	Samsung SmartThings						
	MDS (Motion Detect Sensor)						
	Indoor Temperature Display	88 Display	●	●	●	●	●
	Display On/Off		●	●	●	●	●
	Beep On/Off		●	●	●	●	●
	Auto Changeover		●	●	●	●	●
	Auto Restart		●	●	●	●	●

Accessory



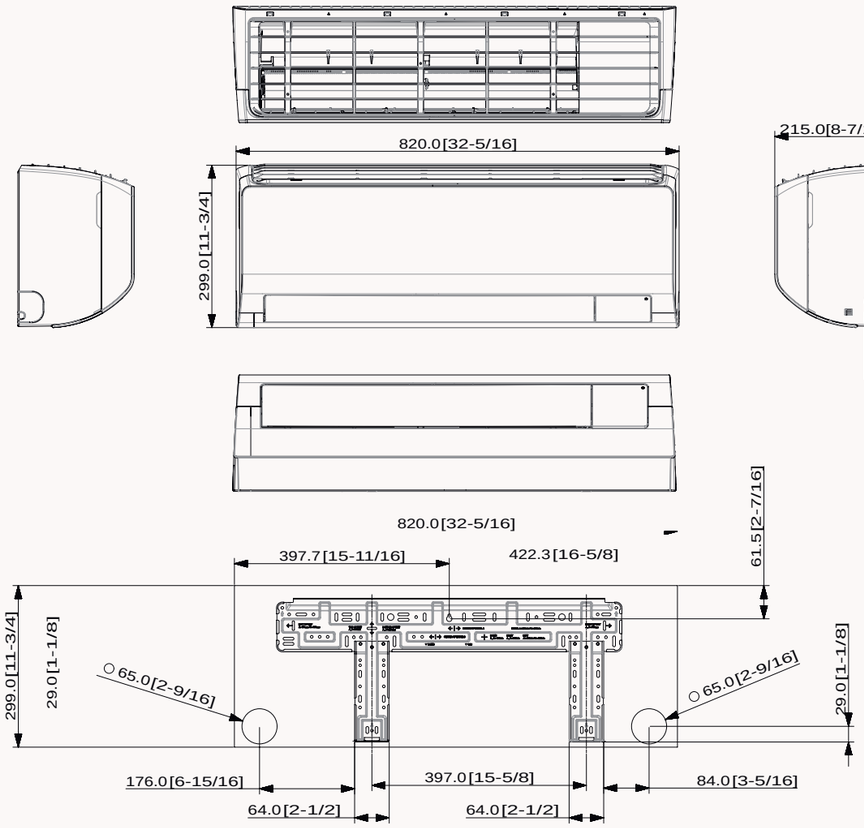
Wireless Remote Controller (included)

Multi Split

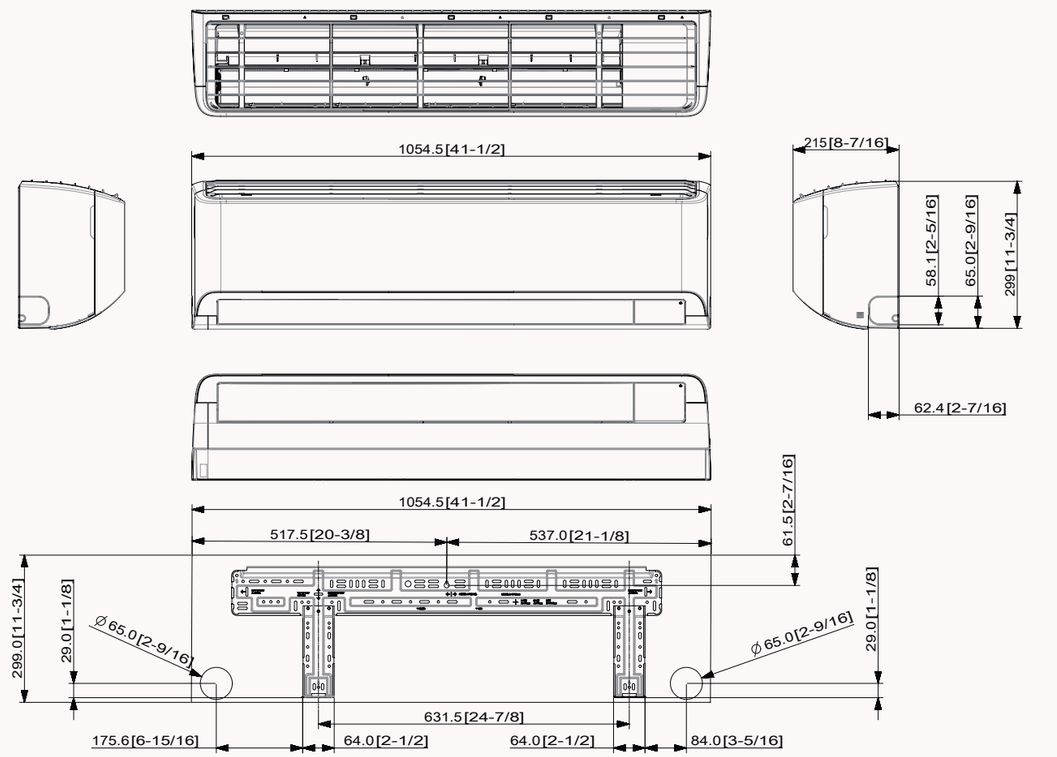
Dimensional drawings

Luzon

AR07/09/12TXHZAWKNEU



AR18/24TXHZAWKNEU



Multi Split

Specifications

Wind-Free™ Mini 4-Way Cassette

- 2-Step Cooling: Fast Cooling & Wind-Free™ 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		m³/min	9.0/8.2/6.9	9.0/8.2/6.9	9.0/8.2/6.9	10.5/9.0/7.4	10.5/9.0/7.4
Sound Power	Cooling	dB(A)	49	49	49	53	55
Sound Pressure	H/M/L	dB(A)	33/29/24	33/29/24	33/29/24	35/31/27	39/36/32
Electrical Data							
Power Source		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
Power Consumption	Cooling	W	19	19	19	22	28
	Heating	W	19	19	19	22	28
Current Input	Cooling	A	0.51	0.51	0.51	0.52	0.53
	Heating	A	0.51	0.51	0.51	0.52	0.53
Dimensions							
Net Dimensions (W x H x D)		mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Net Weight		kg	11.5	11.5	11.5	11.5	11.8
Refrigerant							
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others							
Panel	Model Code		PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Net Dimensions (W x H x D)	mm	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Net Weight	kg	2.7	2.7	2.7	2.7	2.7
Accessories	Drain Pump		Included	Included	Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24	750/24

Accessories





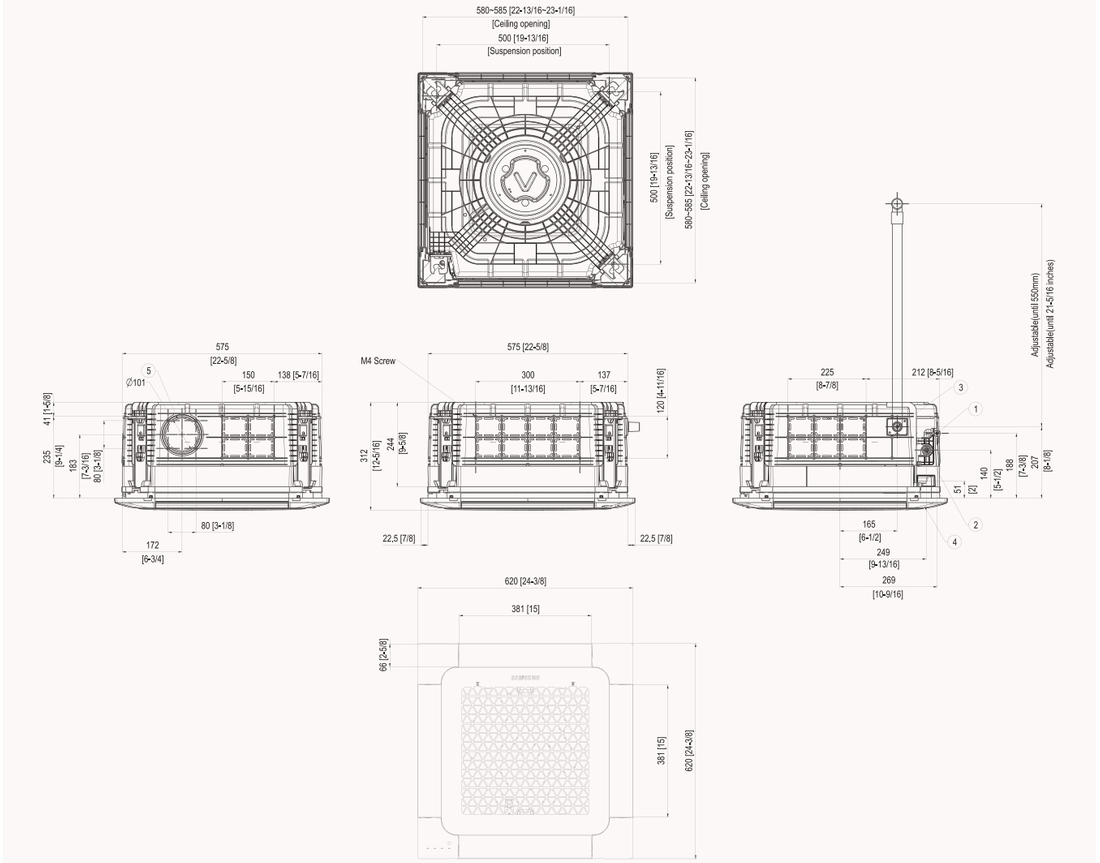



Advanced Wired Controller	Simple Type Controller	Touch Controller	Wired Remote Controller	Wi-Fi Kit	Panel (Required)
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MWR-WE13N	MIM-H04EN	PC4SUFMAN

Dimensional drawings

Wind-Free™ Mini 4-Way Cassette

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



NO	Name	Description				
		4.5 kW	5.6 kW	7.1 kW	9.0 kW	5.2 kW
1	Liquid pipe connection	ø6.35 (1/4)				
2	Gas pipe connection	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				

Specifications

Wind-Free™ 1-Way Cassette

- 2-Step Cooling: Fast Cooling & Wind-Free™ 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		m³/min	6.2/5.2/4.2	7.6/6.6/5.6
Sound Power	Cooling	dB(A)	50	55
Sound Pressure	H/M/L	dB(A)	32/29/26	37/33/30
Electrical Data				
Power Source		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
Power Consumption	Cooling	W	45	50
	Heating	W	45	50
Current Input	Cooling	A	0.23	0.25
	Heating	A	0.23	0.25
Dimensions				
Net Dimensions (W x H x D)		mm	970 x 135 x 410	970 x 135 x 410
Net Weight		kg	10.0	10.0
Refrigerant				
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8
Piping Connections	Drain Pipe	ø, mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)
Others				
Panel	Model Code		PC1NWFMAN	PC1NWFMAN
	Net Dimensions (W x H x D)	mm	1,198 x 35 x 500	1,198 x 35 x 500
	Net Weight	kg	4.3	4.3
Accessories	Drain Pump		Included	Included
	Max. Lifting Height/ Displacement	mm / litres/h	750/24	750/24

Accessories







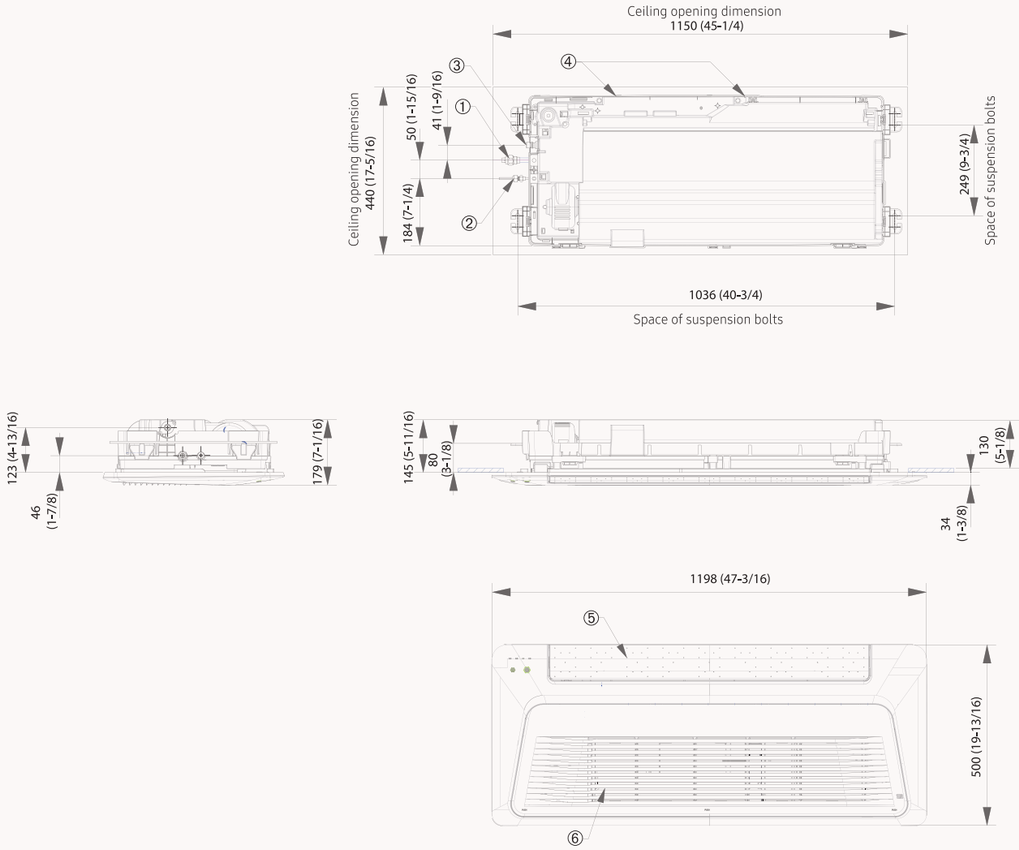


Wireless Remote Controller	Advanced Wired Controller	Simple Type Controller	Touch Controller	Wired Remote Controller	Wi-Fi Kit	Panel (Required)
AR-EH03E	MWR-WG00JN/ MWR-WG00KN	MWR-SH00N	MWR-SH11N	MWR-WE13N	MIM-H04EN	PC1NWFMAN

Dimensional drawings

Wind-Free™ 1-Way Cassette

AJ026/035TN1DKG/EU



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

Multi Split

Specifications

MSP Duct (drain pump included)

- High efficiency microchannel heat exchanger.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Auto Restart function.
- Condensation drain pump.
- Long-life HD 40 permanent filter is included.
- Auto ESP function.
- SPi Ioniser.



Indoor Unit			AJ052TNMDEG/EU
Capacity			
	Cooling	kW	5.2
	Heating up to +7 °C	kW	5.6
Performance			
Airflow Rate		m³/min	16.3/15.0/13.5
Sound Power	Cooling	dB(A)	59
Sound Pressure	H/M/L	dB(A)	42/41/39
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	1.04
	Heating	A	1.04
Dimensions			
Net Dimensions (W x H x D)		mm	900 x 260 x 480
Net Weight		kg	28.3
Refrigerant			
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-M075SGU3
	Max. Lifting Height/ Displacement	mm / litres/h	750/24
	Air Filter		Removable/Washable

Accessories



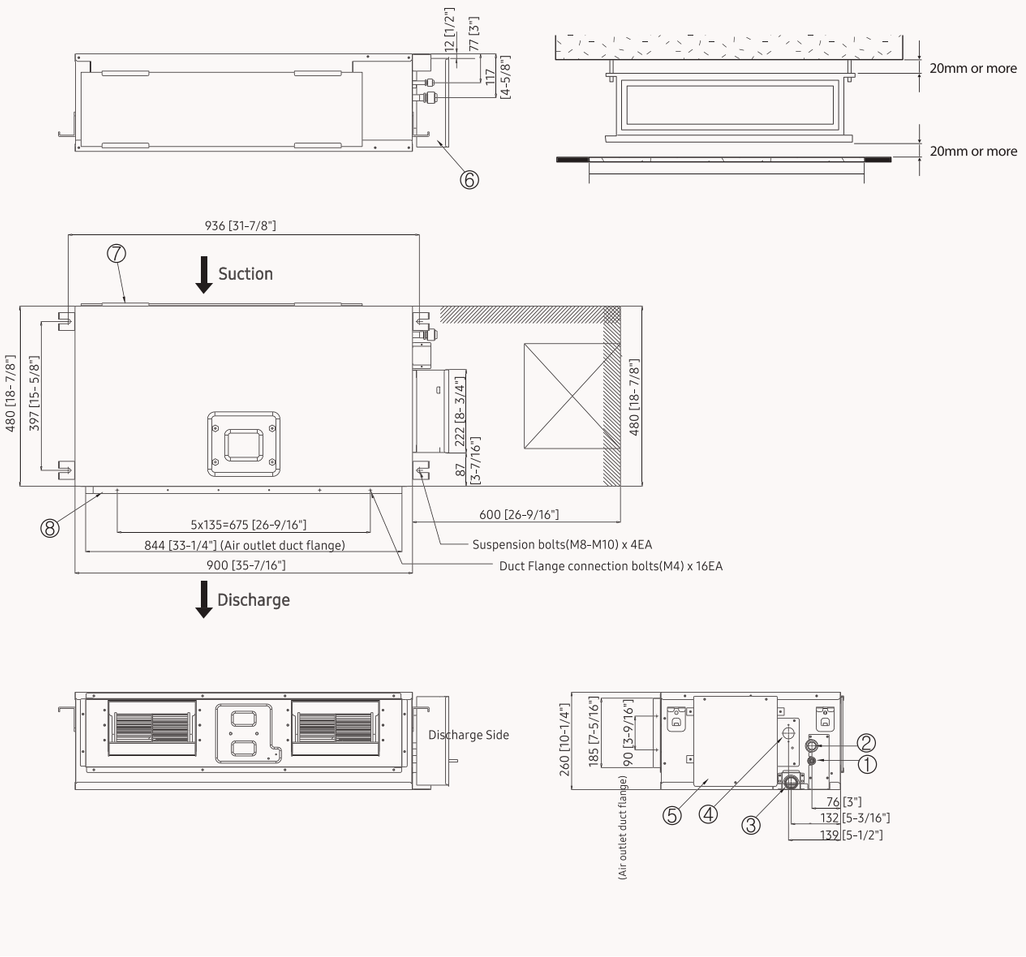



Advanced Wired Controller	Simple Type Controller	Touch Controller	Wired Remote Controller	Wi-Fi Kit
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MWR-WE13N	MIM-H04EN

Dimensional drawings

MSP Duct (drain pump included)

AJ052TNMDEG**



NO	Name	Description
1	Liquid pipe connection	ø6.35 (1/4)
2	Gas pipe connection	ø12.70 (1/2)
3	Drain pipe connection	VP25 (OD 32, ID 25)
4	Knock-out hole for drain pump	Option kit
5	Control unit	
6	Power supply/communication wiring conduits	
7	Return air side	
8	Air outlet duct flange	

Specifications

LSP Duct (drain pump included)

- High efficiency microchannel heat exchanger.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Auto Restart function.
- Condensation drain pump.
- Long-life HD 40 permanent filter is included.
- Auto ESP function.
- SPi Ioniser.




Indoor Unit			AJ026TNLDEG/EU	AJ035TNLDEG/EU
Capacity				
	Cooling	kW	2.6	3.5
	Heating up to +7 °C	kW	2.9	3.8
Performance				
Airflow Rate		m³/min	8.6/7.6/6.6	9.8/8.8/7.8
Sound Power	Cooling	dB(A)	53	53
Sound Pressure	H/M/L	dB(A)	30/28/25	32/30/27
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	80	80
	Heating	W	80	80
Current Input	Cooling	A	0.4	0.4
	Heating	A	0.4	0.4
Dimensions				
Net Dimensions (W x H x D)		mm	900 x 199 x 600	900 x 199 x 600
Net Weight		kg	23.3	23.3
Refrigerant				
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others				
Accessories	Drain Pump		MDP-E075SEE3	MDP-E075SEE3
	Max. Lifting Height/ Displacement	mm / litres/h	750/24	750/24
	Air Filter		Removable/Washable	Removable/Washable

Accessories



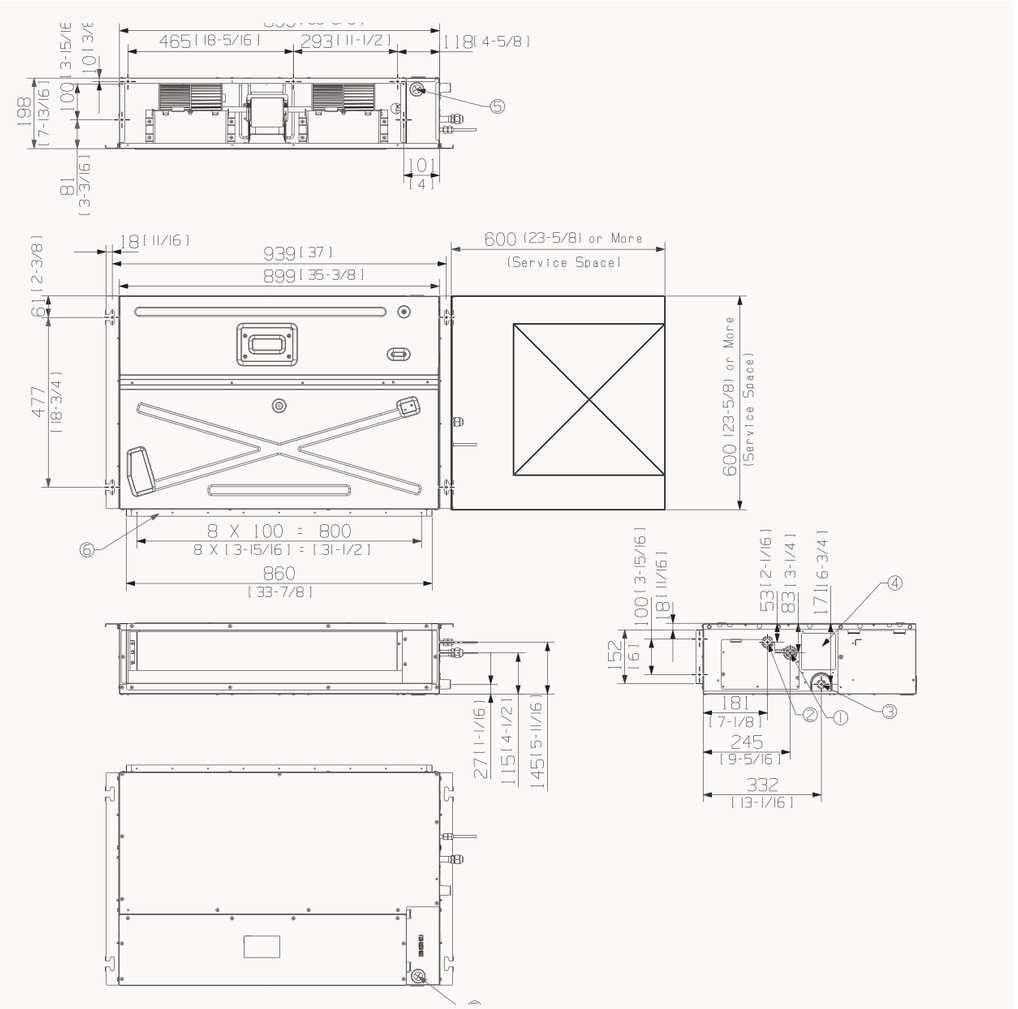



Advanced Wired Controller	Simple Type Controller	Touch Controller	Wired Remote Controller	Wi-Fi Kit
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MWR-WE13N	MIM-H04EN

Dimensional drawings

LSP Duct

AJ***TNLDEG/EU



NO	Name	Description
1	Gas pipe connection	ø9.52 (3/8)
2	Liquid pipe connection	ø6.35 (1/4)
3	Drain pipe connection	VP25 (OD 32, ID 25)
4	Knock-out hole for drain pump	Option kit
5	Power supply/communication wiring conduits	
6	Air outlet duct flange	

Specifications

Console

- SPi Ioniser (included).
- Slim design: only 100 mm in width.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Two separate air outlets, upper (cooling) and bottom (heating) to avoid stratification.
- Long-life washable permanent filter.
- Auto Restart function.



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)

Accessories



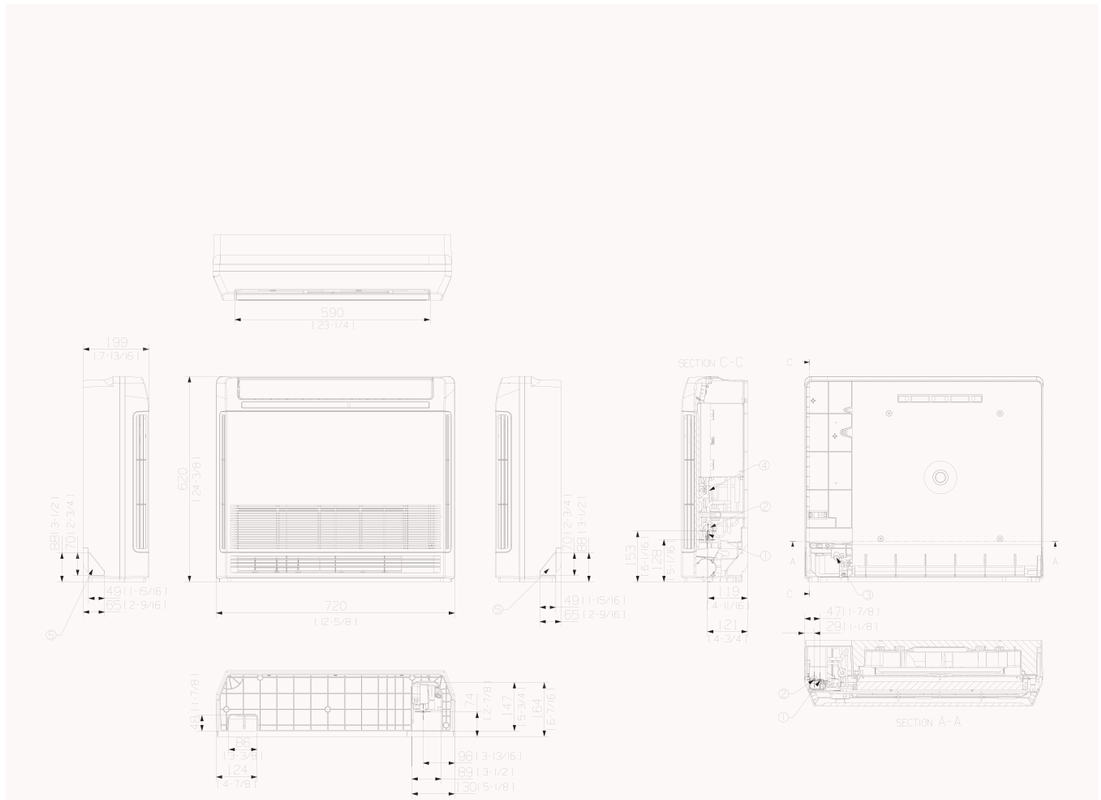



Advanced Wired Controller	Simple Type Controller	Touch Controller	Wired Remote Controller	Wi-Fi Kit
MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N	MWR-WE13N	MIM-H04EN

Dimensional drawings

Console

AJ***TNJDKG/EU



NO	Name	Description	
		AJ026RBJDEG/EU MH026FJEA	AJ035/052RBJDEG/EU MH035/052FJEA
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		

Multi Split

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	Seasonal Efficiency (According to EN14825)	SEER	Qce
			A	B	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX	EER	Class		kWh
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	Seasonal Efficiency (According to EN14825)	SCOP	P design	Qhe
			A	B	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX	COP[1]	Class		kW	kWh
AJ040TXJ2KG 2 Unit	7	7	2,100	2,100	1,000	4,200	4,700	280	900	1,180	1.4	4.1	5.4	4.67	A++	4.64	3.05	922
	7	9	1,840	2,360	1,000	4,200	4,700	280	920	1,190	1.4	4.2	5.4	4.57	A++	4.61	3.05	927
	7	12	1,550	2,650	1,000	4,200	4,700	280	930	1,200	1.4	4.3	5.5	4.52	A++	4.61	3.05	927
	9	9	2,100	2,100	1,000	4,200	4,700	280	940	1,210	1.4	4.3	5.5	4.47	A++	4.61	3.05	927
	9	12	1,800	2,400	1,000	4,200	4,700	280	950	1,220	1.4	4.3	5.6	4.42	A++	4.61	3.05	927

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

4-2. AJ050TXJ2KG/EU

Cooling

Outdoor Unit	A	B	Cooling Capacity W		Capacity W			Power Consumption W			Current A			Effic. NOM. Cooling at 35 °C/27 °C	Seasonal Efficiency (According to EN14825)	SEER	Qce
			A	B	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX	EER	Class		kWh
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	Seasonal Efficiency (According to EN14825)	SCOP	P design	Qhe
			A	B	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX	COP[1]	Class		kW	kWh
AJ040TXJ2KG 2 Unit	7	7	2,200	2,200	1,400	4,400	4,700	280	1,010	1,210	1.4	4.6	5.5	4.36	A++	4.61	3.05	927
	7	9	2,230	2,870	1,400	5,100	5,460	280	1,310	1,610	1.4	6	7.4	3.89	A++	4.61	4.21	1,277
	7	12	2,060	3,540	1,400	5,600	6,300	280	1,290	1,710	1.4	5.9	7.8	4.34	A++	4.61	4.21	1,277
	7	18	1,530	4,170	1,400	5,600	6,300	280	1,270	170	1.4	5.7	7.8	4.41	A++	4.61	4.07	1,237
	9	9	2,800	2,800	1,400	5,600	6,300	280	1,280	1,700	1.4	5.9	7.8	4.38	A++	4.64	4.21	1,270
	9	12	2,400	3,200	1,400	5,600	6,300	280	1,290	1,710	1.4	5.9	7.8	4.34	A++	4.61	4.21	1,277
	9	18	2,020	3,680	1,400	5,600	6,300	280	1,270	170	1.4	5.7	7.8	4.41	A++	4.61	4.07	1,237
	12	12	2,800	2,800	1,400	5,600	6,300	280	1,300	1,720	1.4	5.9	7.9	4.31	A++	4.61	4.21	1,277
	12	18	2,280	3,420	1,400	5,600	6,300	280	1,280	1,720	1.4	5.8	7.9	4.38	A++	4.61	4.07	1,237

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

Combination guide

4-3. AJ052TXJ3KG/EU

Cooling

Outdoor Unit		A	B	C	Cooling Capacity W			Capacity W			Power Consumption W			Current A			Effic. NOM. Cooling at 35 °C/27 °C	Seasonal Efficiency (According to EN14825)	SEER	Qce
					A	B	C	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX	EER	Class		kWh
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	Seasonal Efficiency (According to EN14825)	SCOP	P design	Qhe
					A	B	C	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX	EER	Class		kWh	kWh
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

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

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	Seasonal Efficiency (According to EN14825)	SEER	Qce
					A	B	C	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX	EER	Class		kWh
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	Seasonal Efficiency (According to EN14825)	SCOP	P design	Qhe
					A	B	C	MIN	STD	MAX	MIN	STD	MAX	MIN	STD	MAX	EER	Class		kWh	kWh
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

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

Multi Split

Combination guide

4-5. AJ080TXJ4KG/EU

Cooling

Outdoor Unit		A	B	C	D	Cooling Capacity W A	Cooling Capacity W B	Cooling Capacity W C	Cooling Capacity W D	Capacity W MIN	Capacity W STD	Capacity W MAX	Power Consumption W MIN	Power Consumption W STD	Power Consumption W MAX	Current A MIN	Current A STD	Current A MAX	Effic. NOM. Cooling at 35 °C/ 27 °C EER	Seasonal Efficiency (According to EN14825) Class	SEER	Qce kWh
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 A	Heating Capacity W B	Heating Capacity W C	Heating Capacity W D	Capacity W MIN	Capacity W STD	Capacity W MAX	Power Consumption W MIN	Power Consumption W STD	Power Consumption W MAX	Current A MIN	Current A STD	Current A MAX	Effic. NOM. Heating at 7 °C/20 °C COP[1]	Seasonal Efficiency (Accord- ing to EN14825) Class	SCOP	P design kW	Qhe kWh
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

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

Multi Split

Combination guide

4-6. AJ100TXJ5KG/EU

Cooling

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

Combination guide

4-6. AJ100TXJ5KG/EU

Cooling

Outdoor Unit		A	B	C	D	E	Cooling Capacity W A	Cooling Capacity W B	Cooling Capacity W C	Cooling Capacity W D	Cooling Capacity W E	Capacity W MIN	Capacity W STD	Capacity W MAX	Power Consumption W MIN	Power Consumption W STD	Power Consumption W MAX	Current A MIN	Current A STD	Current A MAX	Effic. NOM. Cooling at 35 °C/27 °C EER	Seasonal Efficiency (According to EN14825) Class	SEER	Qce kWh
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 A	Heating Capacity W B	Heating Capacity W C	Heating Capacity W D	Heating Capacity W E	Capacity W MIN	Capacity W STD	Capacity W MAX	Power Consumption W MIN	Power Consumption W STD	Power Consumption W MAX	Current A MIN	Current A STD	Current A MAX	Effic. NOM. Heating at 7 °C/ 20 °C COP[1]	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kW	Qhe 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

Outdoor Unit		A	B	C	D	E	Heating Capacity W A	Heating Capacity W B	Heating Capacity W C	Heating Capacity W D	Heating Capacity W E	Capacity W MIN	Capacity W STD	Capacity W MAX	Power Consumption W MIN	Power Consumption W STD	Power Consumption W MAX	Current A MIN	Current A STD	Current A MAX	Effic. NOM. Heating at 7 °C/ 20 °C COP[1]	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kW	Qhe 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 A	Heating Capacity W B	Heating Capacity W C	Heating Capacity W D	Heating Capacity W E	Capacity W MIN	Capacity W STD	Capacity W MAX	Power Consumption W MIN	Power Consumption W STD	Power Consumption W MAX	Current A MIN	Current A STD	Current A MAX	Effic. NOM. Heating at 7 °C/ 20 °C COP[1]	Seasonal Efficiency (According to EN14825) Class	SCOP	P design kW	Qhe kWh
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

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

Commercial

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					•	•	•	•
Wind-Free™ 4-Way Cassette				•	•	•	•	•
Wind-Free™ Mini 4-Way Cassette		•	•	•	•			
Wind-Free™ 1-Way Cassette		•	•					
Triangle Wall-Mounted		•	•	•	•			
Max Wall-Mounted						•		
LSP Duct		•	•	•	•			
MSP Duct			•	•	•	•	•	•
Console		•	•	•				
Ceiling	 			•	•	•	•	•

CAC R410A

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

CAC R410A High Efficiency

Type		2.6 kW	3.5 kW	7.1 kW	10 kW	12 kW
						
4-Way Cassette				•	•	•
Mini 4-Way Cassette		•	•			
Triangle Wall-Mounted		•	•	•		
Max Wall-Mounted					•	
MSP Duct			•	•	•	•

Selection guide

		Cassette				
						
Model		360 Cassette	Wind-Free™ Mini 4-Way Cassette	Wind-Free™ 4-Way Cassette	Wind-Free™ 1-Way Cassette	4-Way Cassette
Airflow	Wind-Free™ Cooling		●	●	●	
	360 Degree Air Supply	●				
Air Purification	SPi Ioniser	Optional	Optional	Optional	Optional	Optional
	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)		Optional	Optional		
Operating Mode	Quiet					
Controls	Remote Controller Included					
Others	Drain Pump Included	●	●	●	●	●

		Cassette	Duct		
					
Model		Mini 4-Way Cassette	LSP Duct	MSP Duct	HSP Duct
Airflow	Wind-Free™ Cooling				
	360 Degree Air Supply				
Air Purification	SPi Ioniser	Optional			
	Long-life Filter		●	●	●
Functions	Samsung SmartThings	Optional	Optional	Optional	Optional
	Wi-Fi Kit Compatibility	Optional	Optional	Optional	Optional
	Humidity Sensor	●			
	MDS (Motion Detect Sensor)				
Operating Mode	Quiet				
Controls	Remote Controller Included				
Others	Drain Pump Included	●	Optional	Optional	Optional

		Wall-Mounted		Others		
						
Model		Triangle Wall-Mounted	Max Wall-Mounted	Console	Ceiling	Floor-Standing
Airflow	Wind-Free™ Cooling					
	360 Degree Air Supply					
Air Purification	SPi Ioniser			●		
	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	●		●		
Others	Drain Pump Included					

Commercial



Commercial

Nomenclature

Commercial - Indoor units

AC	120	R	N	4	P	K	H	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**	**H**	2014
		J	2015
		K	2016
		M	2017
		N	2018
		R	2019
		T	2020
4	**Product Type**	**N**	Indoor Unit (NASA)
5	**Product Notation**	**1**	Wind-Free™ 1-Way Cassette
		N	Wind-Free™ Mini 4-Way Cassette
		4	360 Cassette, Wind-Free™ 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**	**H**	Heat Pump

Commercial - Outdoor units

AC	120	R	X	A	D	K	H	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**	**H**	2014
		J	2015
		K	2016
		M	2017
		N	2018
		R	2019
		T	2020
4	**Product Type**	**X**	Outdoor Unit (NASA)
5	**Feature 1**	**A**	Inverter + Side + General Temperature
		S	Inverter + Side + Low Temperature
6	**Feature 2**	**C**	Deluxe + Low Temperature
		D	Deluxe
		P	Premium
7	**Voltage Rating**	**E**	1Φ, 220~240 V, 50 Hz
		G	3Φ, 380~415 V, 50 Hz
		K	1Φ, 220~240 V, 50/60 Hz
		N	3Φ, 380~415 V, 50/60 Hz
8	**Mode**	**G**	Heat Pump (R32)
		H	Heat Pump (R410A)

Twin/Triple/Quad combinations

CAC R32

Indoor Unit		Outdoor Unit			
		AC071RXADKG/EU	AC100RXADKG/EU AC100RXADNG/EU	AC120RXADKG/EU AC120RXADNG/EU	AC140RXADKG/EU AC140RXADNG/EU
	kW	7	10	12	14
360 Cassette	7.0				2
	10.0				
	12.0				
Wind-Free™ 4-Way Cassette	5.0		2	3	3
	7.0				2
	10.0				
	12.0				
Wind-Free™ 4-Way Mini Cassette	3.5	2	3	4	4
	5.0		2	3	3
	7.0				2
Wind-Free™ 1-Way Cassette	3.5	2	3	4	4
Triangle Wall-Mounted	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	2	3	4	4
	5.0		2	3	3
Ceiling	5.0		2	3	3
	7.0				2
	10.0				
	12.0				



Commercial

Specifications

360 Cassette R32

- 360° air supply.
- Bladeless discharge thanks to three small booster fans.
- Built-in condensation drain pump (750 mmH2O).
- High ceiling mode for heights up to 4.6 m (12.8/14.0 kW), 3.9 m (11.2 kW), 3.5 m (4.5~9.0 kW).
- SPi Ioniser (optional).
- Circular or square cassette 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	TBA	-
	Pdesignc	**kW**	7.1	10.0	TBA	-
	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	TBA	-
	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)**	**m³/min**	51.0	72.0	72.0	110.0
Sound Power	**Indoor Unit**	**dB(A)**	53	61	61	61
	Outdoor Unit	**dB(A)**	65	69	70	69
Sound Pressure	**Indoor Unit (H/M/L)**	**dB(A)**	36/33/29	44/39/33	45/40/35	45/41/37
	Outdoor Unit (H/L)	**dB(A)**	51/49	54/52	56/54	54/53
Fan/Outdoor Unit	**Type**		Turbo	Turbo	Turbo	Turbo
	Power	**W**	65	97	97	97
	Number of Fans	**-**	1	1	1	1
External Static Pressure	**Min/Std/Max**	**Pa**				
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



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
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
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	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
	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

Accessories



Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit	External Thermostat	Panel (Mandatory)	Panel (Mandatory)	Panel (Mandatory)	Panel (Mandatory)	SPi Ioniser
AR-KH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRW-TA	PC4NUDMAN	PC4NUNMAN	PC4NBDMAN	PC4NBNMAN	MSD-CAN1

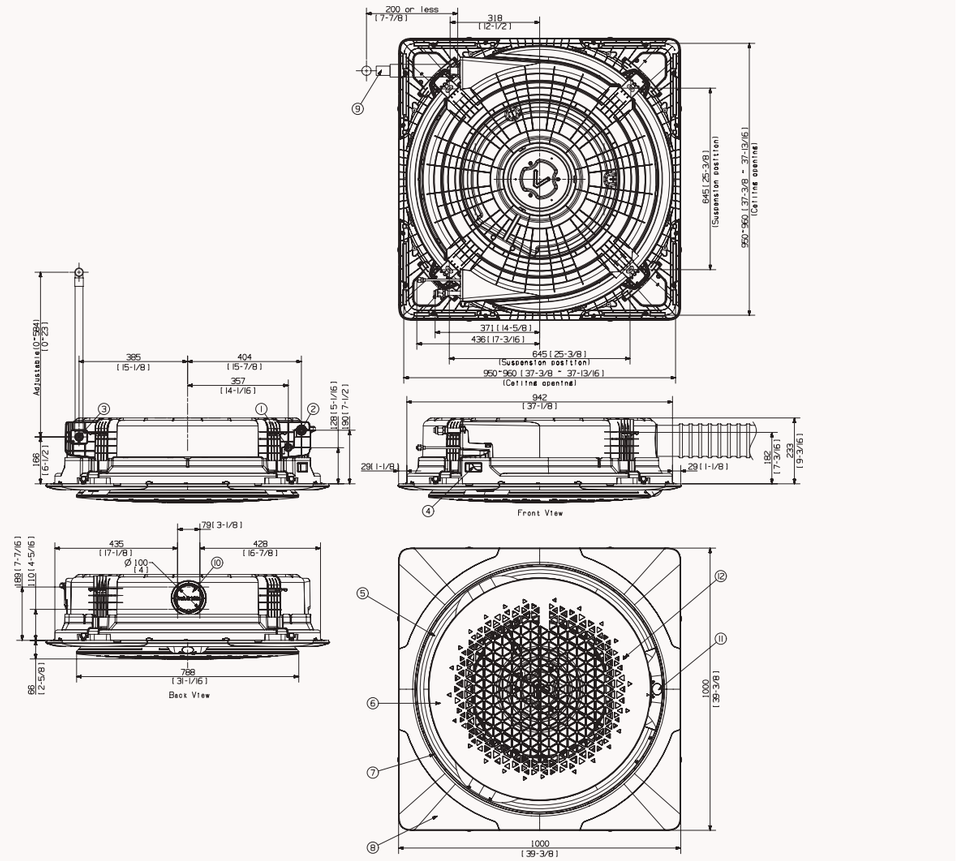
[1] Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.

Commercial

Dimensional drawings

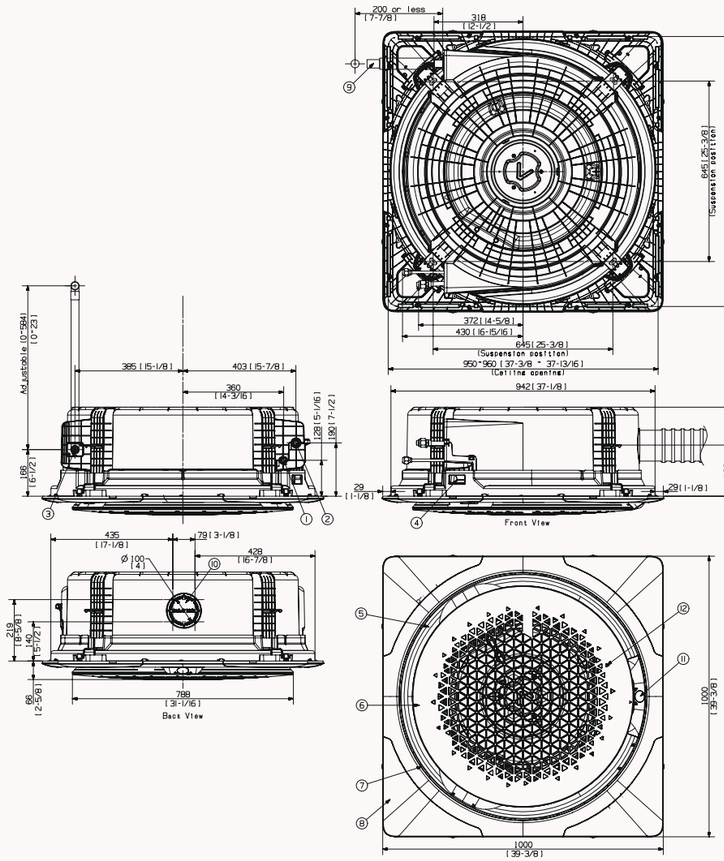
360 Cassette (square)

AC071*N4PK*/EU



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

AC090/100/120/140*N4PK*/EU

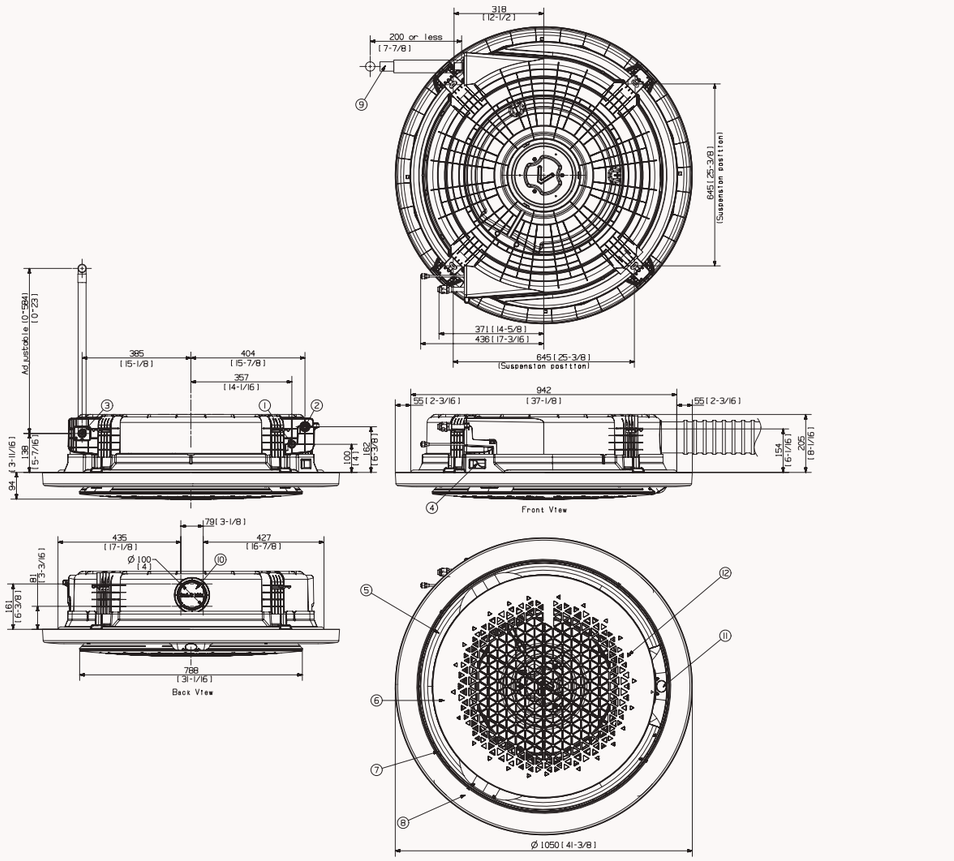


NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air supply	
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Knock-out hole - external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

Dimensional drawings

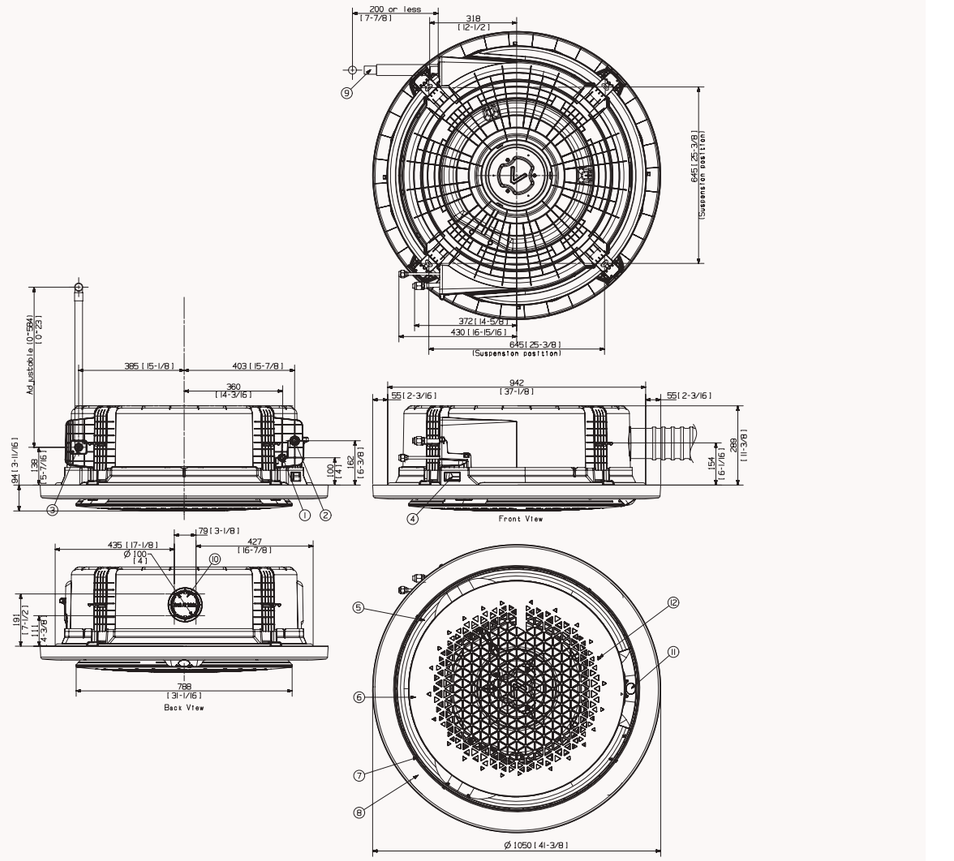
360 Cassette (circle)

AC071*N4PK*/EU



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

AC090/100/120/140*N4PK*/EU



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

Specifications

Wind-Free™ Mini 4-Way Cassette

- 2-Step Cooling: Fast Cooling & Wind-Free™ 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 Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RNNDKG/EU AC026RXADKG/EU	AC035RNNDKG/EU AC035RXADKG/EU	AC052RNNDKG/EU AC052RXADKG/EU	AC071RNNDKG/EU AC071RXADKG/EU
Capacity						
	Cooling (Min/Nominal/Max)	**kW**	0.87/2.60/4.10	0.88/3.50/4.50	1.30/5.00/6.20	1.50/6.80/8.30
	Heating @ +7 °C (Min/Nominal/Max)	**kW**	0.98/3.40/4.10	1.00/4.00/4.80	1.30/5.50/7.50	1.90/7.50/9.00
	Heating @ -5 °C	**kW**	3.3	3.9	5.4	7.4
	Heating @ -15 °C	**kW**	3.00	3.50	4.80	6.50
Performance						
Energy Efficiency Cooling	**SEER[1]**	**W/W**	7.1/ A++	7.0/ A++	6.7/ A++	6.1/ A++
	Power Consumption	**kWh/a**	128	175	261	390
	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)**	**m³/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
External Static Pressure	**Min/Std/Max**	**Pa**				
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 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 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
Refrigerant						



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RNNDKG/EU AC026RXADKG/EU	AC035RNNDKG/EU AC035RXADKG/EU	AC052RNNDKG/EU AC052RXADKG/EU	AC071RNNDKG/EU AC071RXADKG/EU
Refrigerant	**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

Accessories



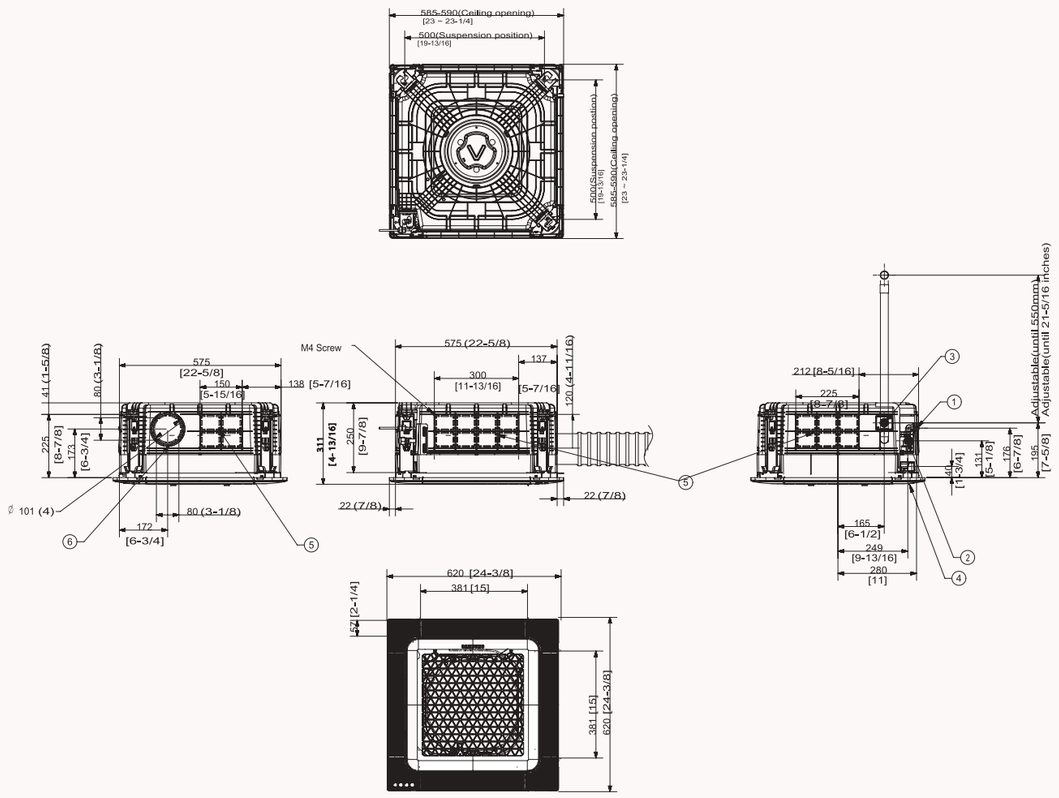
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Panel (Mandatory)	External Thermostat	Wi-Fi Kit	SPi Ioniser
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	PC4SUFMAN	MRW-TA	MIM-H04EN	MSD-CAN1

[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

Wind-Free™ Mini 4-Way Cassette

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



Commercial

Specifications

Wind-Free™ 4-Way Cassette

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



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC052RN4DKG/EU AC052RXADKG/EU -	AC071RN4DKG/EU AC071RXADKG/EU -	AC100RN4DKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RN4DKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RN4DKG/EU AC140RXADKG/EU AC140RXADNG/EU
Capacity							
	Cooling (Min/Nominal/Max)	kW	1.00/5.00/6.50	1.50/7.10/8.70	3.00/10.00/12.00	3.50/12.00/13.50	3.50/13.40/15.00
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.00/6.00/7.00	1.90/8.00/9.00	2.20/11.20/15.50	3.50/13.20/15.50	3.50/15.50/18.00
	Heating @ -5 °C	kW	5.90	7.80	11.00	12.90	15.20
	Heating @ -15 °C	kW	5.20	7.00	9.70	11.50	13.50
Performance							
Energy Efficiency Cooling	SEER[1]	W/W	7.6/ A++	6.7/ A++	7.0/ A++	6.0/ A+	6.6/ A++
	Power Consumption	kWh/a	230	371	500	TBA	-
	Pdesignc	kW	5.0	7.1	10.0	TBA	-
	EER	W/W	3.50	2.98	2.92	2.60	3.16
Energy Efficiency Heating	SCOP[1]	W/W	4.3/ A+	4.2/ A+	4.3/ A++	4.0/ A+	4.3/ A++
	Power Consumption	kWh/a	847	1,500	1,726	TBA	-
	Pdesignh (average)	kW	2.60	4.50	5.30	TBA	-
	COP[1]	W/W	4.03	3.27	3.61	3.18	3.16
Airflow Rate	Indoor Unit (H/M/L)	m³/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
External Static Pressure	Min/Std/Max	Pa					
Operating Temperature Range	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-20.0~24.0	-20.0~24.0	-20.0~24.0	-20.0~24.0	-20.0~24.0
Electrical Data							
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz	-	-	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz	3Φ, 4, 380~415 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/Nominal/Max)	Cooling	kW	0.33/1.43/2.30	0.35/2.38/3.60	0.60/3.42/4.70	0.90/4.60/5.30	0.80/4.62/6.45
	Heating	kW	0.25/1.49/2.50	0.35/2.45/3.95	0.46/3.10/5.40	0.75/4.15/5.60	0.70/4.90/7.36
Current Input	Cooling (Min/Std/Max)	A	1.5/6.5/9.5	2.0/10.3/16.0	3.0/15.2/ 20.4	4.3/20.1/24.0	3.7/20.0/ 28.0
	Heating (Min/Std/Max)	A	1.5/6.8/12.0	2.0/10.7/17.0	2.5/13.6/23.0	3.7/18.2/26.0	3.5/21.3/32.0
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	1.5/5.5/7.1	2.1/6.8/10.0	2.1/7.1/10.5
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	1.2/5.1/8.4	2.1/6.3/12.0	1.9/7.3/12.0
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Net Weight	Indoor Unit	kg	14.5	14.5	14.5	18.0	18.0
	Outdoor Unit	kg	43.0	51.0	75.0	81.0	91.5
Refrigerant							



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC052RN4DKG/EU AC052RXADKG/EU -	AC071RN4DKG/EU AC071RXADKG/EU -	AC100RN4DKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RN4DKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RN4DKG/EU AC140RXADKG/EU AC140RXADNG/EU
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

Accessories



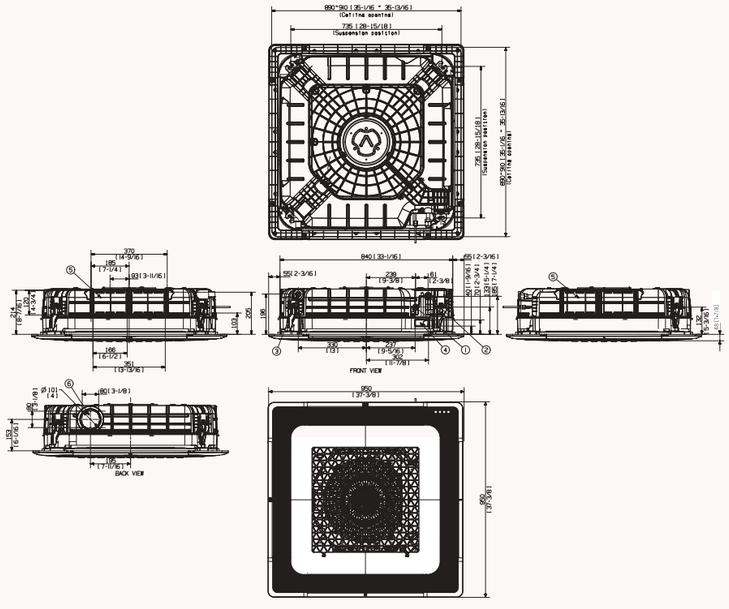
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Panel (Mandatory)	External Thermostat	Wi-Fi Kit	SPi Ioniser
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	PC4NUFMAN	MRW-TA	MIM-H04EN	MSD-CAN1

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

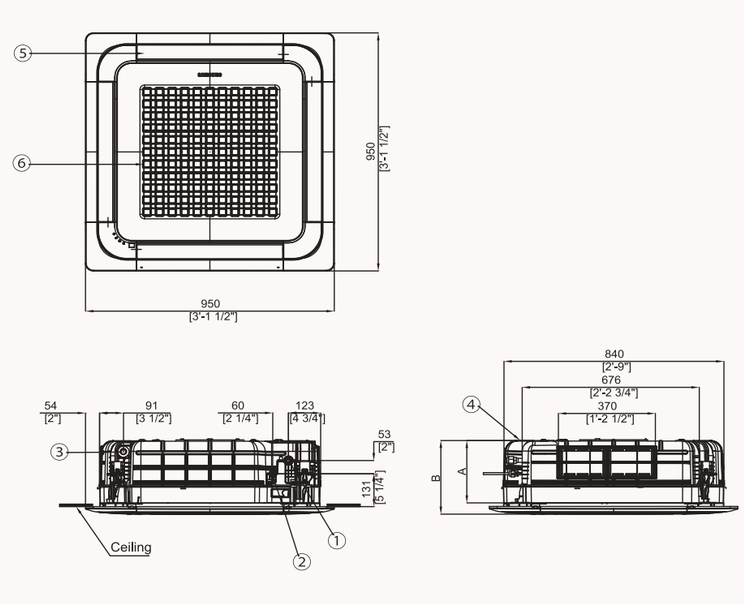
Dimensional drawings

Wind-Free™ 4-Way Cassette

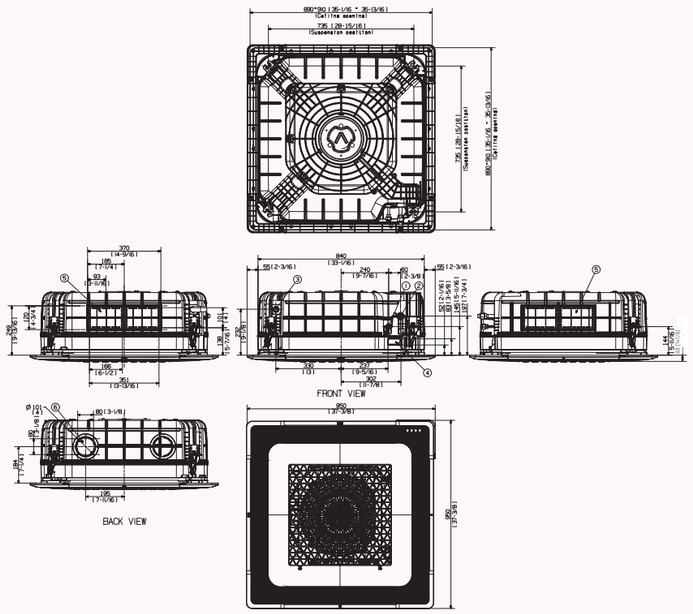
AC052/071*N4DK*/EU



AC071JN4CEH/EU, AC100JN4CEH/EU, AC125JN4CEH/EU



AC090/100/120/140*N4DK*/EU



Specifications

Wind-Free™ 1-Way Cassette

- 2-Step Cooling: Fast Cooling & Wind-Free™ Cooling.
- Blade angle between 37° and 87°, blade width 100 mm.
- Built-in humidity sensor.
- Height of only 152 mm.
- Built-in condensation drain pump (750 mmH2O).



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RN1DKG/EU AC026RXADKG/EU	AC035RN1DKG/EU AC035RXADKG/EU
Capacity				
	Cooling (Min/Nominal/Max)	**kW**	0.82/2.60/3.80	0.85/3.50/4.20
	Heating @ +7 °C (Min/Nominal/Max)	**kW**	0.98/3.30/4.40	1.00/4.00/5.00
	Heating @ -5 °C	**kW**	3.2	3.9
	Heating @ -15 °C	**kW**	2.9	2.8
Performance				
Energy Efficiency Cooling	**SEER[1]**	**W/W**	6.4/ 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
External Static Pressure	**Min/Std/Max**	**Pa**		
Operating Temperature Range	**Cooling**	**°C**	-15~46	-15~46
	Heating	**°C**	-20.0~24.0	-20.0~24.0
Electrical Data				
Power Source	**Indoor Unit**	**Φ, #, V, Hz**	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Mono-Phase	**Φ, #, V, Hz**	1Φ, 2, 220~240 V, 50 Hz	1Φ, 2, 220~240 V, 50 Hz
	Outdoor Unit Tri-Phase	**Φ, #, V, Hz**		
Compressor Type	**Outdoor Unit**	**Type**	Single BLDC	Single BLDC
Power (Min/Nominal/Max)	**Cooling**	**kW**	0.17/0.72/1.16	0.18/1.09/1.40
	Heating	**kW**	0.20/1.01/1.45	0.19/1.28/1.80
Current Input	**Cooling (Min/Std/Max)**	**A**	1.2/3.8/5.4	1.6/5.3/7.5
	Heating (Min/Std/Max)	**A**	1.4/5.0/7.0	1.3/6.2/10.5
	Cooling - Tri-Phase (Min/Std/Max)	**A**		
	Heating - Tri-Phase (Min/Std/Max)	**A**		
Dimensions				
Net Dimensions (W x H x D)	**Indoor Unit**	**mm**	970 x 135 x 410	970 x 135 x 410
	Outdoor Unit	**mm**	790 x 548 x 285	790 x 548 x 285
Net Weight	**Indoor Unit**	**kg**	9.2	9.2
	Outdoor Unit	**kg**	32.5	32.5



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RN1DKG/EU AC026RXADKG/EU	AC035RN1DKG/EU AC035RXADKG/EU
Refrigerant				
Refrigerant	**Type**		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Factory Charging	**kg**	0.9/20 m	0.9/20 m
	Charging Ton equivalent CO_2	**tCO_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

Accessories









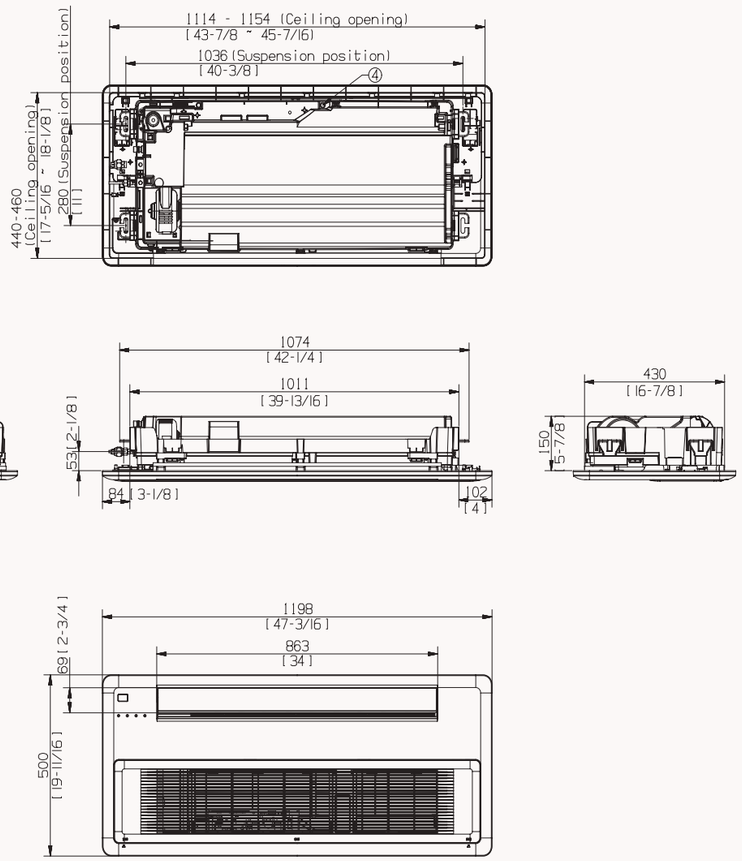
Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit	Panel (Mandatory)	External Thermostat
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	PC4NUNMAN	MRW-TA

[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

Wind-Free™ 1-Way Cassette

AC026/035MN1DKH/EU



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	



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 Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RNLDKG/EU AC026RXADKG/EU	AC035RNLDKG/EU AC035RXADKG/EU	AC052RNLDKG/EU AC052RXADKG/EU	AC071RNLDKG/EU AC071RXADKG/EU
Capacity						
	Cooling (Min/Nominal/Max)	**kW**	0.80/2.60/3.80	0.85/3.50/4.30	1.20/5.00/6.50	1.50/7.10/8.70
	Heating @ +7 °C (Min/Nominal/Max)	**kW**	0.98/3.30/4.30	1.00/4.00/5.00	1.10/6.00/7.20	1.90/8.00/9.00
	Heating @ -5 °C	**kW**	3.2	3.9	5.9	7.8
	Heating @ -15 °C	**kW**	2.9	3.5	5.2	7.0
Performance						
Energy Efficiency Cooling	**SEER**[1]	**W/W**	6.2/A++	6.1/A++	6.1/A++	6.0/A+
	Power Consumption	**kWh/a**	147	201	287	414
	Pdesignc	**kW**	2.60	3.50	5.00	7.10
	EER	**W/W**	3.82	3.12	2.96	2.98
Energy Efficiency Heating	**SCOP**[1]	**W/W**	4.0/A+	4.0/A+	3.9/A	3.9/A
	Power Consumption	**kWh/a**	700	700	862	1,328
	Pdesignh (average)	**kW**	2.0	2.0	2.4	3.7
	COP[1]	**W/W**	3.79	3.31	3.45	3.36
Airflow Rate	**Indoor Unit (H/M/L)**	**m³/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
	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**	700 x 199 x 600	700 x 199 x 600	1,100 x 200 x 450	1,100 x 200 x 450
	Outdoor Unit	**mm**	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310






Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RNLDKG/EU AC026RXADKG/EU	AC035RNLDKG/EU AC035RXADKG/EU	AC052RNLDKG/EU AC052RXADKG/EU	AC071RNLDKG/EU AC071RXADKG/EU
Net Weight	**Indoor Unit**	**kg**	19.0	19.0	23.5	23.5
	Outdoor Unit	**kg**	32.5	32.5	43.0	51.0
Refrigerant						
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-E075SEE3D	MDP-E075SEE3D	MDP-G075SP	MDP-G075SP
	Max. Lifting Height/Displacement	**mm / litres/h**	750/24	750/24	750/24	750/24

Accessories









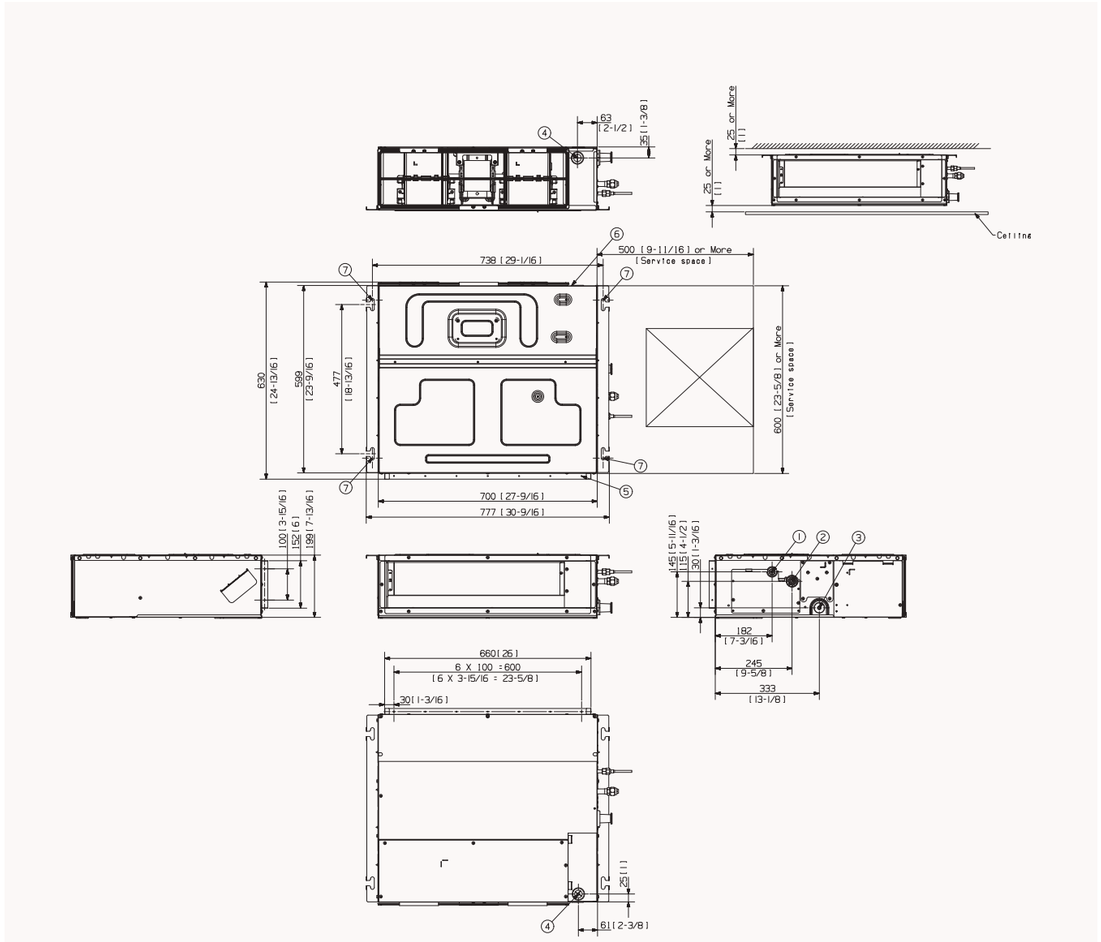
Drain Pump (optional)	Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat	SPi Ioniser
MDP-E075SEE3D	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04N	MRK-A10N (to be matched with AR-EH03E)	MRW-TA	MSD-EAN1

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

Dimensional drawings

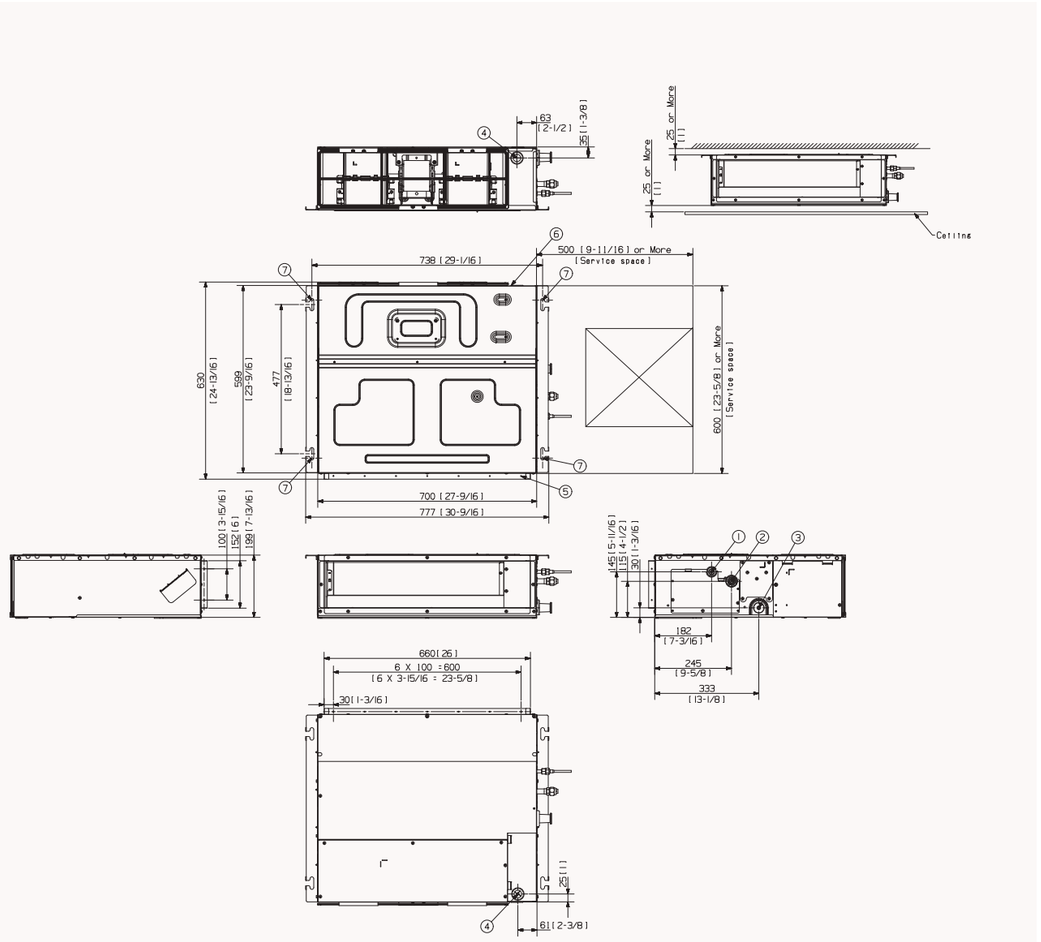
LSP Duct

AC026/035*NLDK*/EU



NO	Name	Description
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø9.52 (3/8)
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)

AC052/071*NLDK*/EU



NO	Name	Description
1	Liquid piping	ø6.35 (1/4)
2	Gas piping	ø9.52 (3/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air intake	
6	Air supply	
7	Air tie rods	Use M8~M10 bolt (4x)

Specifications

MSP Duct R32

- External static pressure range from 0 to 14 mmAq.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Long-life washable permanent filter is included.
- Auto Restart function.
- Built-in condensation drain pump (750 mmH2O).
- SPi Ioniser (optional).



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC035RNMDKG/EU AC035RXADKG/EU	AC052RNMDKG/EU AC052RXADKG/EU	AC071RNMDKG/EU AC071RXADKG/EU	AC100RNMDKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RNMDKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RNMDKG/EU AC140RXADKG/EU AC140RXADNG/EU
Capacity								
	Cooling (Min/Nominal/Max)	**kW**	0.80/3.50/4.40	1.20/5.00/6.50	1.50/6.80/8.70	3.00/10.00/12.00	3.00/12.00/13.50	3.50/13.40/15.50
	Heating @ +7 °C (Min/Nominal/Max)	**kW**	1.10/4.00/4.70	1.10/6.00/7.20	1.90/8.00/9.00	2.20/11.20/15.50	2.50/13.20/17.00	3.50/15.50/18.00
	Heating @ -5 °C	**kW**	3.90	5.90	7.80	11.00	12.90	15.20
	Heating @ -15 °C	**kW**	3.50	5.20	7.00	9.70	11.50	13.50
Performance								
Energy Efficiency Cooling	**SEER[1]**	**W/W**	6.2/A++	6.3/A++	6.1/A++	5.9/A+	5.8/A+	6.0/A+
	Power Consumption	**kWh/a**	198	278	390	593	TBA	-
	Pdesignc	**kW**	3.5	5.0	6.8	10.0	TBA	-
	EER	**W/W**	TBA	TBA	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	TBA	-
	Pdesignh (average)	**kW**	2.0	2.4	3.7	5.2	6.5	
	COP[1]	**W/W**	TBC	TBC	3.20	3.20	3.42	3.34
Airflow Rate	**Indoor Unit (H/M/L)**	**m³/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**	TBA	TBA	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**	1.40/5.00/6.20	2.10/7.20/10.00	2.00/10.40/16.00	3.00/15.20/20.40	5.00/19.70/24.00	3.70/20.00/28.00
	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



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC035RNMDKG/EU AC035RXADKG/EU	AC052RNMDKG/EU AC052RXADKG/EU	AC071RNMDKG/EU AC071RXADKG/EU	AC100RNMDKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RNMDKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RNMDKG/EU AC140RXADKG/EU AC140RXADNG/EU
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
Refrigerant								
Refrigerant	**Type**		R32 (contains fluorinated greenhouse gases. GWP = 675)					
	Factory Charging	**kg**	0.9/20 m	1.2/10 m	1.7/15 m	2.7/30 m	2.7/30 m	2.9/30 m
	Charging Ton equivalent CO_2	**tCO_2e**	0.61	0.81	1.15	1.82	1.82	1.96
	Additional Refrigerant Charging	**g/m**			25	50	50	50
Piping Connections	**Liquid Pipe**	**ø, inch**	1/4	1/4	1/4	3/8	3/8	3/8
	Gas Pipe	**ø, inch**	3/8	1/2	5/8	5/8	5/8	5/8
Piping Length	**Min/Max**	**m**	3/20	3/30	3/50	50	50	75
Piping Height	**Max**	**m**	15	20	30	30	30	30
Piping Connections	**Drain Pipe**	**ø, mm**	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others								
Panel	**Model Code**							
	Net Dimensions (W x H x D)	**mm**						
	Net Weight	**kg**						
Accessories	**Drain Pump**		MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ
	Max. Lifting Height/ Displacement	**mm / litres/h**	750/24	750/24	750/24	750/24	750/24	750/24

Accessories









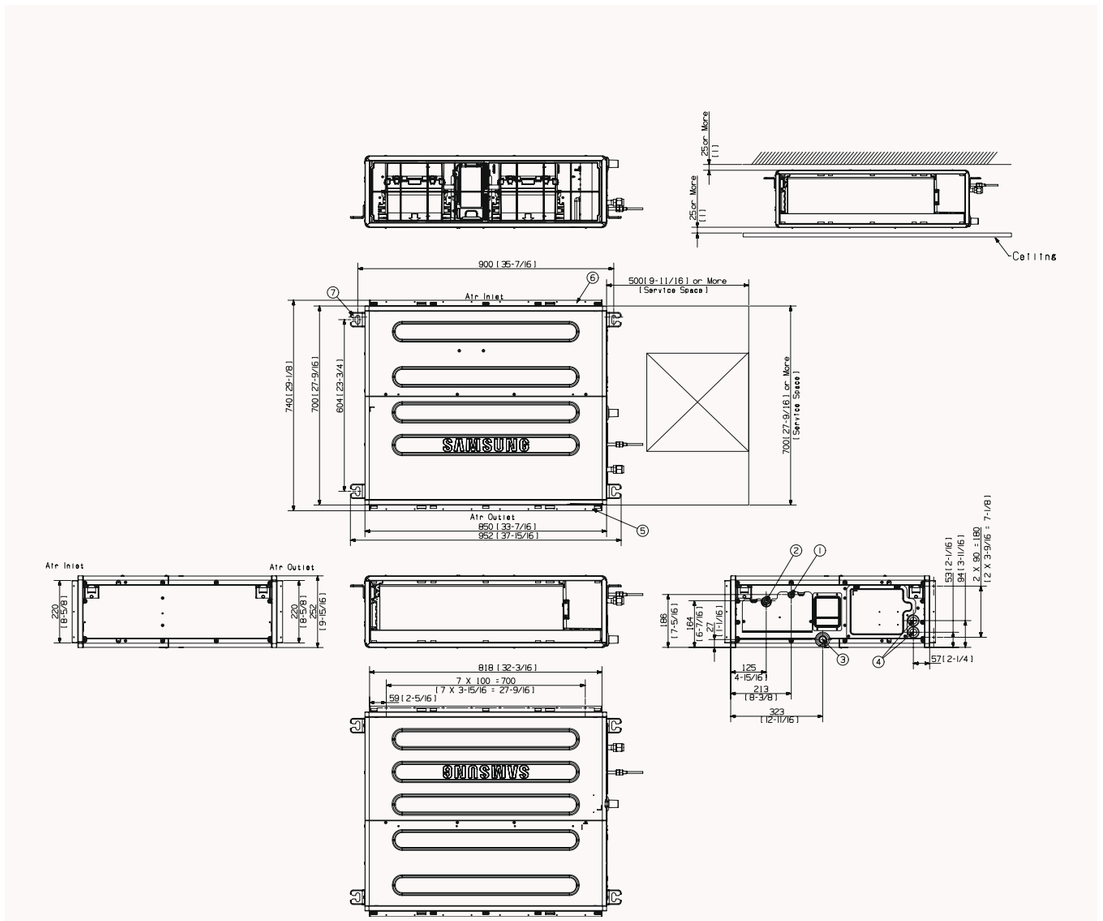

Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat	SPi Ioniser
MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA	MSD-EAN1

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

Dimensional drawings

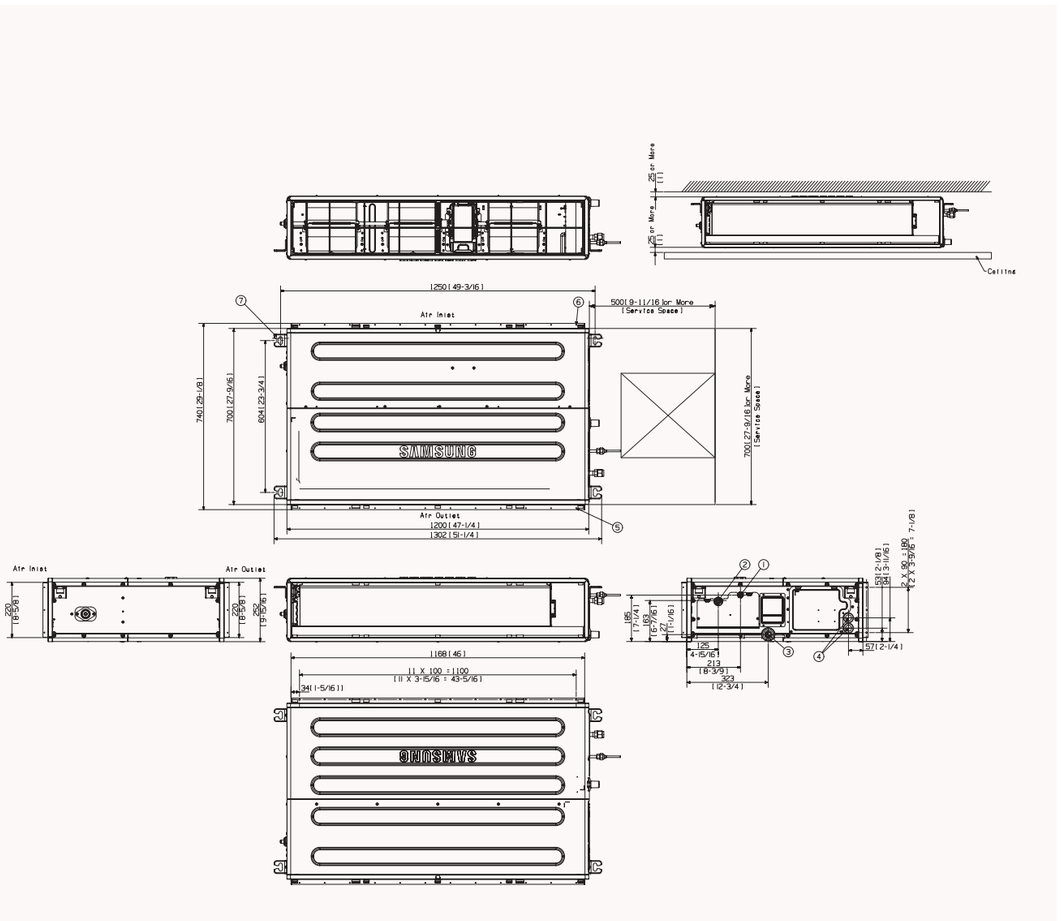
MSP Duct

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



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

AC090/100*NMDK*/EU

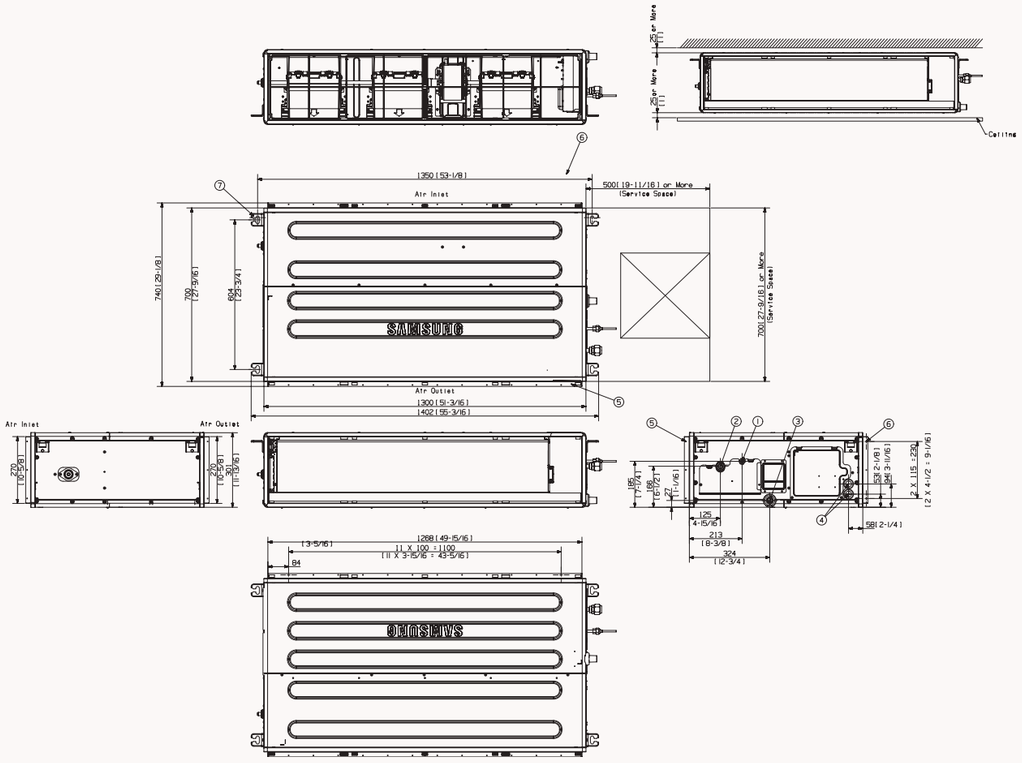


NO	Name	Description
1	Liquid piping	ø9.52 (3/8)
2	Gas piping	ø15.88 (5/8)
3	Condensation drain piping	VP25 (OD 32, ID 25)
4	Power supply/communication wiring conduits	
5	Air intake	
6	Air supply	
7	Air tie rods	Use M8~M10 bolt (4x)

Dimensional drawings

MSP Duct

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



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



Specifications

HSP Duct (R410A)

- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Long-life washable HD 40 permanent filter is included.
- Auto Restart function.
- Condensation drain pump (optional)




Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC200KNHPKH/EU AC200KXAPNH/EU	AC250KNHPKH/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	-	-
	Power Consumption	kWh/a	-	-
	Pdesignc	kW	-	-
	EER	W/W	3.10	2.61
Energy Efficiency Heating	SCOP	W/W	-	-
	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	1,350 x 450 x 910	92.0
	Outdoor Unit	kg	154.0	154.0




Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC200KNHPKH/EU AC200KXAPNH/EU	AC250KNHPKH/EU AC250KXAPNH/EU
Refrigerant				
Refrigerant	Type			
	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		

Accessories







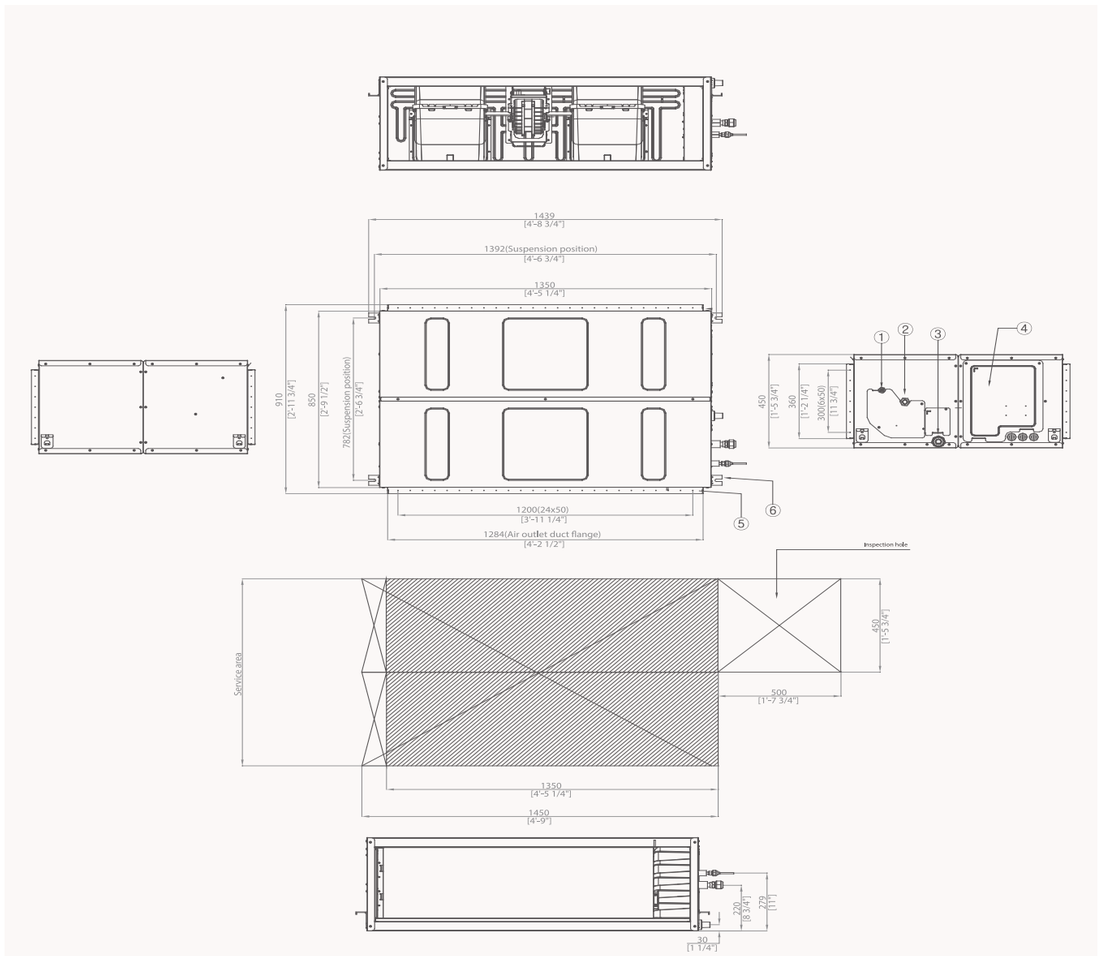


Drain Pump (optional)	Drain Pump (optional)	Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat
MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

Dimensional drawings

HSP Duct

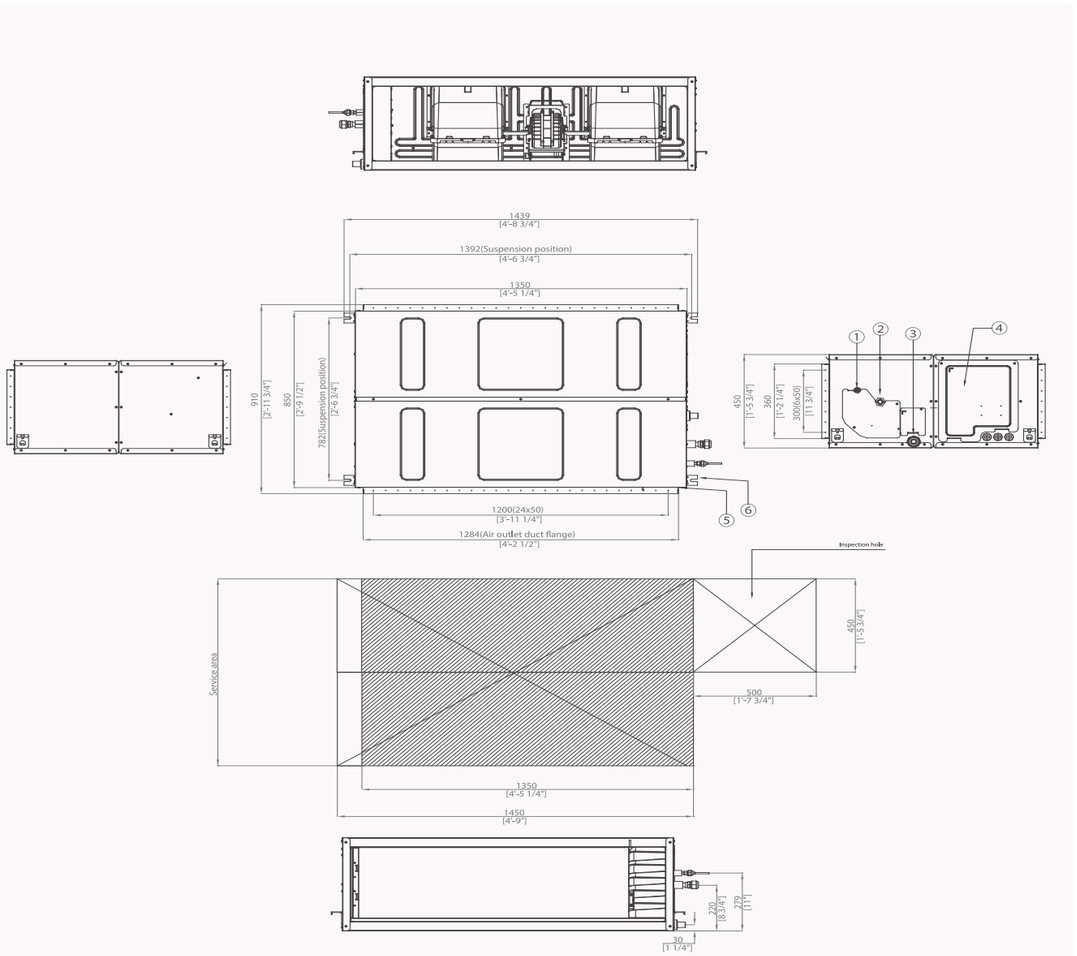
AC180JNHPKH/EU



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

HSP Duct (Big Duct)

AC200/250KNHPKH/EU



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

Specifications

Triangle Wall-Mounted R32

- Fan with inverter motor, HD Filter included.
- Good Sleep mode.

Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RNADKG/EU AC026RXADKG/EU	AC035RNADKG/EU AC035RXADKG/EU	AC052RNADKG/EU AC052RXADKG/EU	AC071RNADKG/EU AC071RXADKG/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	0.96/2.60/3.60	1.00/3.50/3.90	1.30/5.00/6.50	1.50/7.10/8.70
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.00/3.30/4.00	1.10/4.00/4.70	1.50/6.00/6.25	1.90/8.00/9.00
	Heating @ -5 °C	kW	3.2	3.9	5.9	7.8
	Heating @ -15 °C	kW	2.90	3.50	5.20	7.00
Performance						
Energy Efficiency Cooling	SEER[1]	W/W	6.6/A++	6.5/A++	6.2/A++	6.4/A++
	Power Consumption	kWh/a	138	188	282	388
	Pdesignc	kW	2.6	3.5	5.0	6.4
	EER	W/W	3.51	3.18	2.27	3.02
Energy Efficiency Heating	SCOP[1]	W/W	4.0/A+	4.0/A+	3.9/A	4.0/A+
	Power Consumption	kWh/a	700	700	862	1,260
	Pdesignh (average)	kW	2.0	2.0	2.4	3.6
	COP[1]	W/W	3.00	2.58	2.79	3.27
Airflow Rate	Indoor Unit (H/M/L)	m3/min	7.7/6.2/5.0	8.5/7.2/5.8	10.7/9.0/7.2	17.1/14.5/12.4
Sound Power	Indoor Unit	dB(A)	56	59	60	61
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	36/30/24/21	38/32/26/20	42/37/32/25	43/39/35/30
	Outdoor Unit (H/L)	dB(A)	47/46	61/48	48/48	51/49
Fan/Outdoor Unit	Type		Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Power	W	27	27	27	27
	Number of Fans	-	1	1	1	1
External Static Pressure	Min/Std/Max	Pa				
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	0.18/0.74/1.20	0.19/1.10/1.30	0.40/2.20/2.30	0.35/2.35/3.60
	Heating	kW	0.21/1.10/1.45	0.23/1.55/1.80	0.34/2.15/3.15	0.35/2.45/3.95
Current Input	Cooling (Min/Std/Max)	A	1.4/3.7/5.5	1.4/5.3/6.0	2.6/9.6/10.1	2.0/10.3/16.0
	Heating (Min/Std/Max)	A	1.3/5.1/7.0	1.4/6.9/10.5	2.3/9.4/14.0	2.0/10.7/17.0
	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	750 x 249 x 246	750 x 249 x 246	896 x 261 x 261	1,065 x 294 x 301
	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	7.6	7.6	10.8	14.4
	Outdoor Unit	kg	32.5	32.5	43.0	51.0

Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RNADKG/EU AC026RXADKG/EU	AC035RNADKG/EU AC035RXADKG/EU	AC052RNADKG/EU AC052RXADKG/EU	AC071RNADKG/EU AC071RXADKG/EU
Refrigerant						
Refrigerant	Type		R32 (Contains fluorinated greenhouse gases. GWP = 675)			
	Factory Charging	kg	0.9/20 m	0.9/20 m	1.2/10 m	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

Accessories



Wireless Remote Controller: AR-EH03E



Touch Controller: MWR-SH11N



Advanced Wired Controller: MWR-WE13N

Wi-Fi Kit: MIM-H04EN



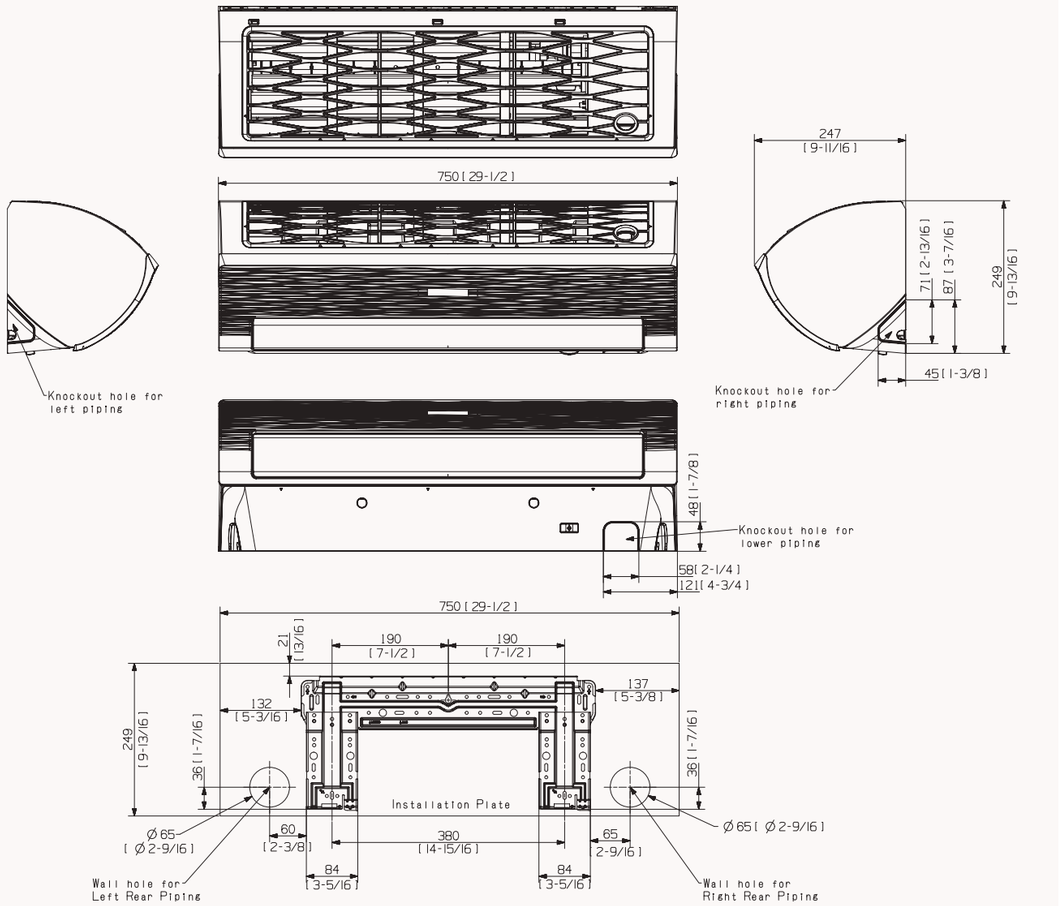
External Thermostat: MRW-TA

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

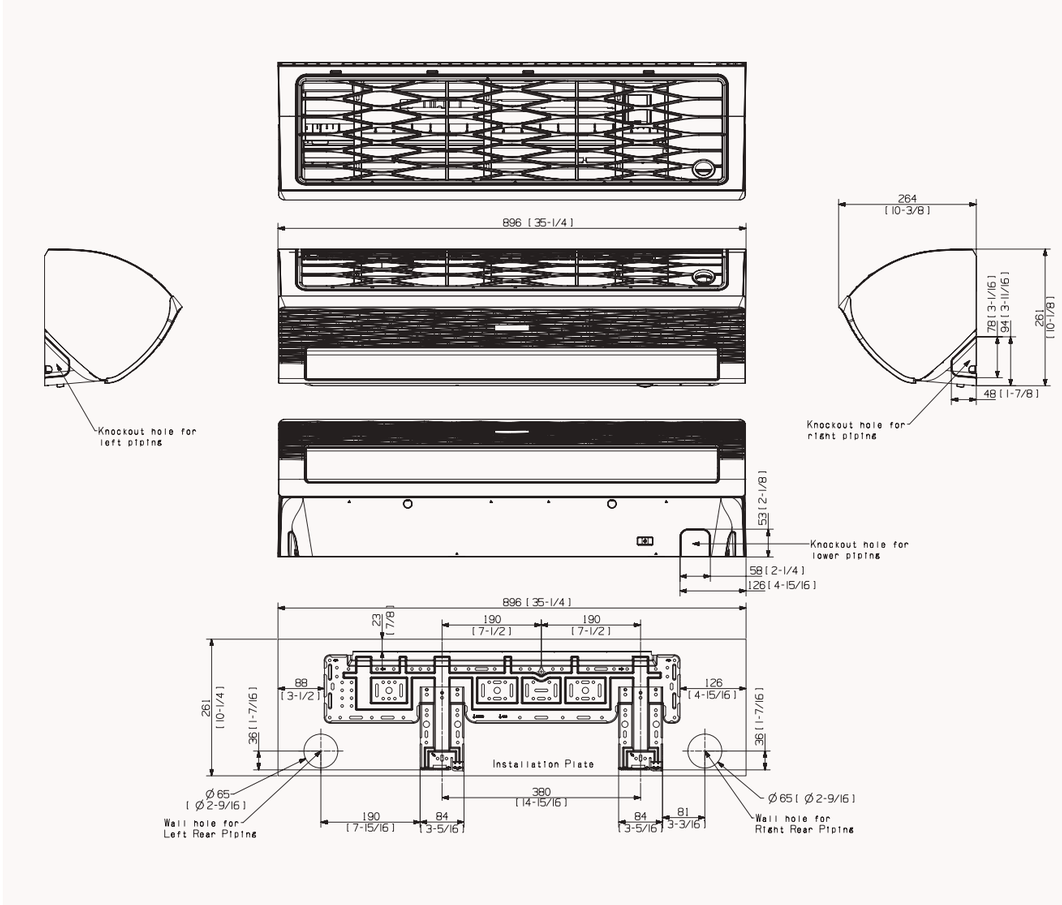
Dimensional drawings

Triangle Wall-Mounted

AC026/035*NADK*/EU



AC052*NADK*/EU



Specifications

Max Wall-Mounted R32

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



Indoor Unit			AC100RNTDKG/EU
Outdoor Unit - Mono-Phase			AC100RXADKG/EU
Outdoor Unit - Tri-Phase			AC100RXADNG/EU
Capacity			
	Cooling (Min/Nominal/Max)	kW	3.0/9.5/11.0
	Heating @ +7 °C (Min/Nominal/Max)	kW	2.2/10.8/15.5
	Heating @ -5 °C	kW	10.6
	Heating @ -15 °C	kW	9.4
Performance			
Energy Efficiency Cooling	SEER[1]	W/W	5.9/A+
	Power Consumption	kWh/a	564
	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
External Static Pressure	Min/Std/Max	Pa	
Operating Temperature Range	Cooling	°C	-15~50
	Heating	°C	-20.0~24.0
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)

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

Accessories



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN

Wi-Fi Kit

MIM-H04EN



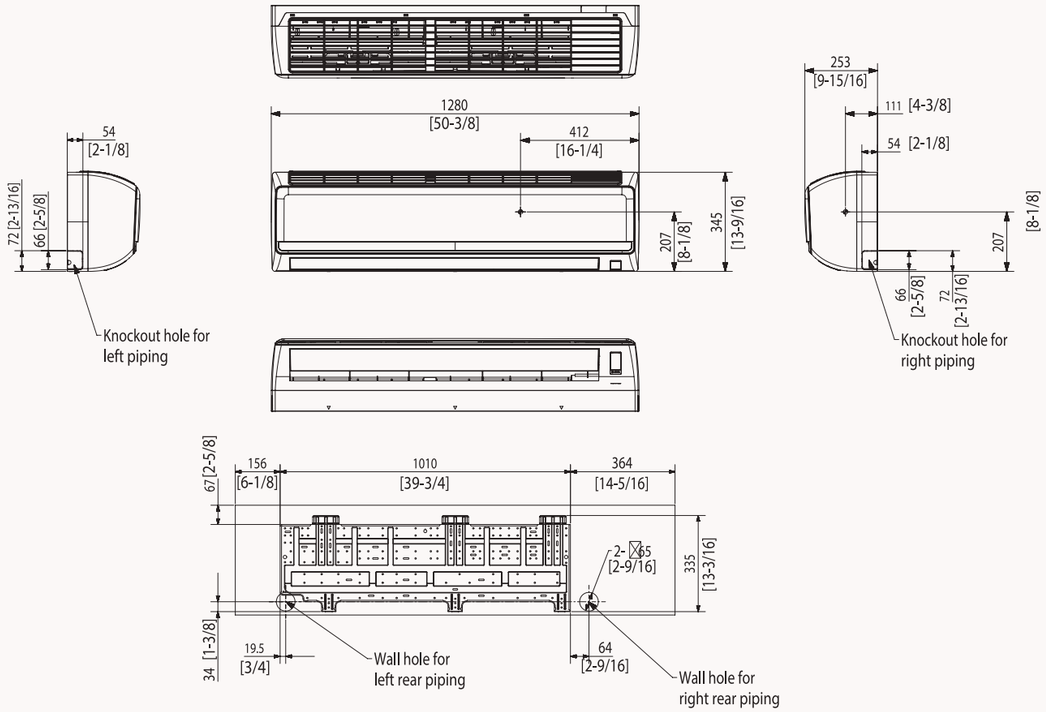
External Thermostat

MRW-TA

Dimensional drawings

Max Wall-Mounted

AC100*NTD**/EU



Specifications

Console R32

- SPi Ioniser (included).
- Slim design: only 100 mm in width.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Two separate air outlets, upper (cooling) and bottom (heating) to avoid stratification.
- Long-life washable permanent filter.
- Auto Restart function.





Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026RNJDKG/EU AC026RXADKG/EU	AC035RNJDKG/EU AC035RXADKG/EU	AC052RNJDKG/EU AC525RXADKG/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	1.0/2.6/3.4	1.0/2.6/3.4	1.9/5.0/5.5
	Heating @ +7 °C (Min/Nominal/Max)	kW	1.0/3.5/4.2	1.1/4.0/4.6	1.5/5.6/6.5
	Heating @ -5 °C	kW	3.4	3.9	5.5
	Heating @ -15 °C	kW	3.00	3.50	4.90
Performance					
Energy Efficiency Cooling	SEER[1]	W/W	6.4/ A++	6.1/ A++	5.9/ A+
	Power Consumption	kWh/a	142	201	297
	Pdesignc	kW	2.6	3.5	5.0
	EER	W/W	3.61	3.12	2.79
Energy Efficiency Heating	SCOP[1]	W/W	4.2/ A+	4.1/ A+	4.0/ A+
	Power Consumption	kWh/a	667	683	840
	Pdesignh (average)	kW	2.0	2.0	2.4
	COP[1]	W/W	3.30	3.07	3.01
Airflow Rate	Indoor Unit (H/M/L)	m³/min	7.5/6.8/6.0	8.5/7.2/6.2	9.4/8.4/7.4
Sound Power	Indoor Unit	dB(A)	53	55	60
	Outdoor Unit	dB(A)	59	61	62
Sound Pressure	Indoor Unit (H/M/L/Silent)	dB(A)	36/31/26/23	38/34/30/24	43/39/35/32
	Outdoor Unit (H/L)	dB(A)	47/46	48/48	48/48
Fan/Outdoor Unit	Type		Turbo	Turbo	Turbo
	Power	W	37	35	35
	Number of Fans	-	1	1	1
External Static Pressure	Min/Std/Max	Pa			
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
	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	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 (LOT10) label classification 2019, on a scale from D to A+++.

Accessories



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN

Wi-Fi Kit

MIM-H04EN



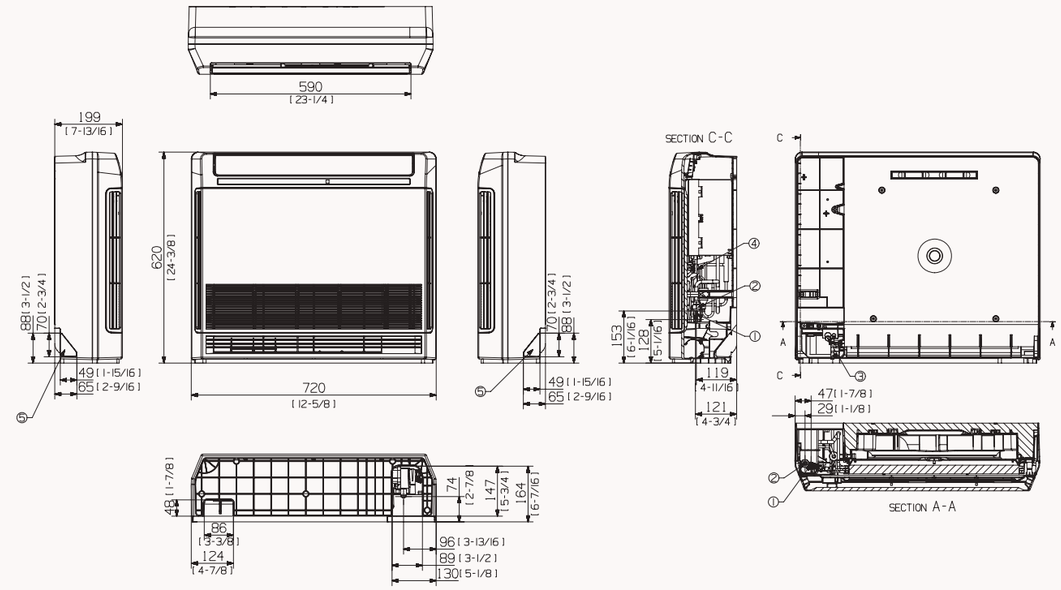
External Thermostat

MRW-TA

Dimensional drawings

Console

AC026/035/052*NJDK*/EU



NO	Name	Description	
		AC026*NJDK*/EU	AC035*NJDK*/EU AC052*NJDK*/EU
1	Liquid piping	ø6.35 (1/4)	
2	Gas piping	ø9.52 (3/8)	ø12.70 (1/2)
3	Condensation drain piping	ID 18 [11/16] Hose	
4	Power supply/communication wiring conduits		
5	Condensation drain piping		

Specifications

Ceiling R32

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





Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC052RNCDKG/EU AC052RXADKG/EU	AC071RNCDKG/EU AC071RXADKG/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	1.20/5.00/6.50	1.50/7.10/8.70
	Heating up to +7 °C (Min/Nominal/Max)	kW	1.70/6.00/7.70	1.90/8.00/9.00
	Heating @ -5 °C	kW	5.9	7.8
	Heating @ -15 °C	kW	5.20	7.00
Performance				
Energy Efficiency Cooling	SEER[1]	W/W	6.1/A++	5.6/A+
	Power Consumption	kWh/a	273	444
	Pdesignc	kW	5.0	7.1
	EER	W/W	3.05	2.42
Energy Efficiency Heating	SCOP[1]	W/W	3.9/A	3.9/A
	Power Consumption	kWh/a	862	1,256
	Pdesignh (average)	kW	2.4	3.5
	COP[1]	W/W	3.37	2.74
Airflow Rate	Indoor Unit (H/M/L)	m^3/min	12.6/11.3/10.0	15.2/14.1/13.1
Sound Power	Indoor Unit	dB(A)	60	64
	Outdoor Unit	dB(A)	62	65
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	41/39/36	46/44/42
	Outdoor Unit (H/L)	dB(A)	48/48	51/49
Fan/Outdoor Unit	Type		Sirocco	Sirocco
	Power	W	40	40
	Number of Fans	-	2	2
External Static Pressure	Min/Std/Max	Pa		
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
	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	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 (LOT10) label classification 2019, on a scale from D to A+++.

Accessories



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN

Wi-Fi Kit

MIM-H04EN



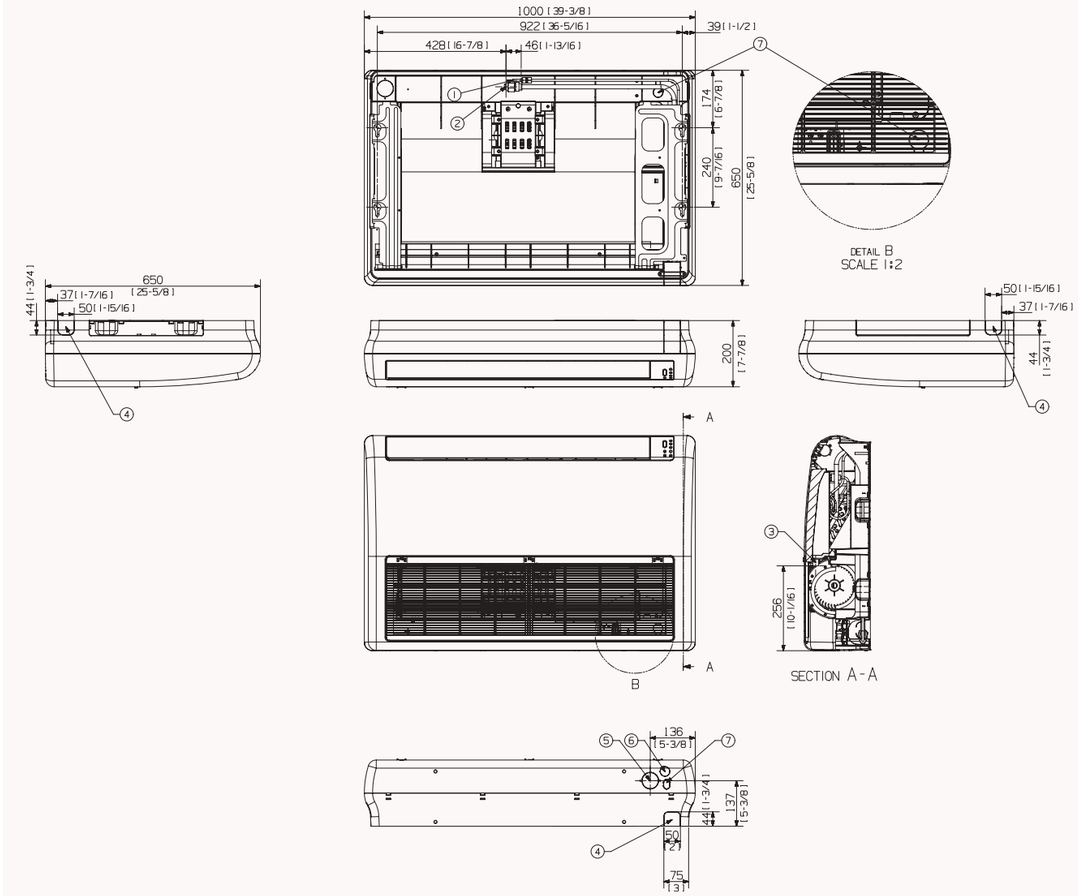
External Thermostat

MRW-TA

Dimensional drawings

Ceiling

AC052/071*NCDK*/EU



NO	Name	Description	
		AC052MNCDKH/EU	AC071MNCDKH/EU
1	Liquid piping	ø6.35 (1/4)	
2	Gas piping	ø12.70 (1/2)	ø15.88 (5/8)
3	Condensation drain piping	ID 18 [11/16] Hose	
4	Piping connection		
5	Connection for external air	ø50 [2]	
6	Connection of the condensation drain pipe		
7	Connection of the communication cables		

Specifications

Big Ceiling R32

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



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC100RNCDKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RNCDKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RNCDKG/EU AC140RXADKG/EU AC140RXADNG/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	3.00/10.00/12.00	3.0/12.0/13.5	3.50/13.40/15.50
	Heating up to +7 °C (Min/ Nominal/Max)	kW	3.0/12.0/13.5	3.0/12.0/13.5	3.50/15.50/18.00
	Heating @ -5 °C	kW	11.0	12.9	15.2
	Heating @ -15 °C	kW	9.7	11.5	13.5
Performance					
Energy Efficiency Cooling	SEER[1]	W/W	6.1/ A++	5.9/ A+	6.1/ A++
	Power Consumption	kWh/a	574	TBA	-
	Pdesignc	kW	10.0	TBA	-
	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	TBA	-
	Pdesignh (average)	kW	5.2	6.5	-
	COP[1]	W/W	3.44	3.44	3.41
Airflow Rate	Indoor Unit (H/M/L)	m³/min	26.0/23.0/19.0	26.0/23.0/19.0	30.0/24.0/20.0
Sound Power	Indoor Unit	dB(A)	60	62	64
	Outdoor Unit	dB(A)	69	70	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	42/38/34	44/41/37	48/42/38
	Outdoor Unit (H/L)	dB(A)	54/52	56/54	54/53
Fan/Outdoor Unit	Type		Sirocco	Sirocco	Sirocco
	Power	W	244	244	244
	Number of Fans	-	4	4	4
External Static Pressure	Min/Std/Max	Pa			
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 (LOT10) label classification 2019, on a scale from D to A+++.

Accessories



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN

Wi-Fi Kit

MIM-H04EN



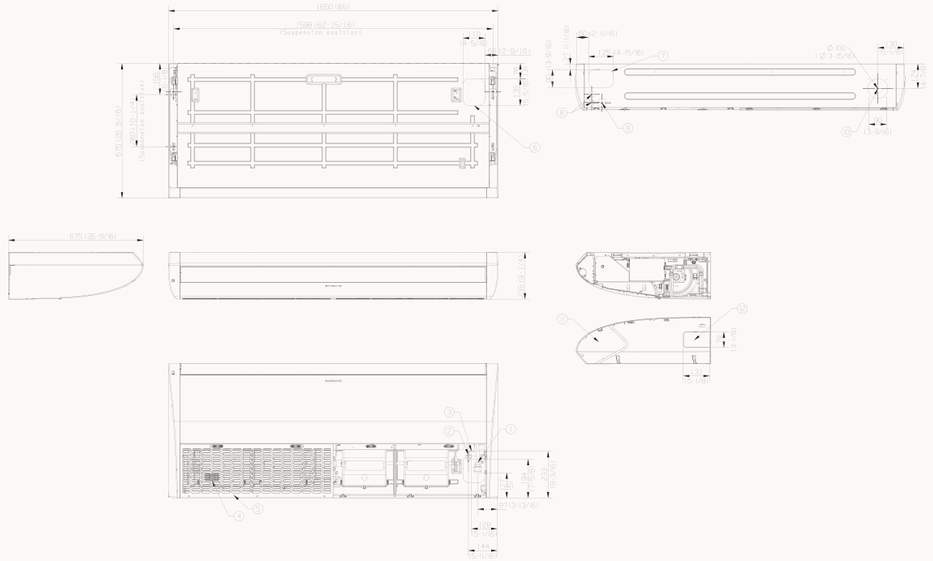
External Thermostat

MRW-TA

Dimensional drawings

Big Ceiling

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



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

Specifications

Floor-Standing (R410A)

- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- 'Silent' operation (sound pressure at low fan speed: 30~32 dB(A)).
- Long-life washable permanent filter.
- Auto Restart function.



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC100KNPDEH/EU AC100KXADEH/EU -	AC140KNPDEH/EU - AC140KXADGH/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	3.5/10.0/12.3	4.2/13.4/16.7
	Heating up to +7 °C (Min/ Nominal/Max)	kW	4.2/11.2/14.0	4.0/15.5/20.0
	Heating @ -5 °C	kW	11.00	15.20
	Heating @ -15 °C	kW	9.60	13.5
Performance				
Energy Efficiency Cooling	SEER[1]	W/W	5.8/A+	-
	Power Consumption	kWh/a	603	-
	Pdesignc	kW	10.0	-
	EER	W/W	2.7	3.1
Energy Efficiency Heating	SCOP[1]	W/W	4.1/A+	-
	Power Consumption	kWh/a	1,810	-
	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	35.5
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		Sirocco	Sirocco
	Power	W	97	154
	Number of Fans	-	1	1
External Static Pressure	Min/Std/Max	Pa		
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	3Φ, 4, 380~415 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	1.10/3.70/4.90	0.90/4.32/5.90
	Heating	kW	0.90/3.39/4.50	0.70/4.50/6.60
Current Input	Cooling (Min/Std/Max)	A	4.3/16.4/23.2	1.9/6.8/9.5
	Heating (Min/Std/Max)	A	4.1/14.9/20.5	1.4/6.7/10.7
	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	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	42.0	46.0
	Outdoor Unit	kg	72.0	85.0
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	50	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 (LOT10) label classification 2019, on a scale from D to A+++.

Accessories



Touch Controller

MWR-SH11N



Advanced Wired Controller

MWR-WG00JN/MWR-WG00KN

Wi-Fi Kit

MIM-H04EN



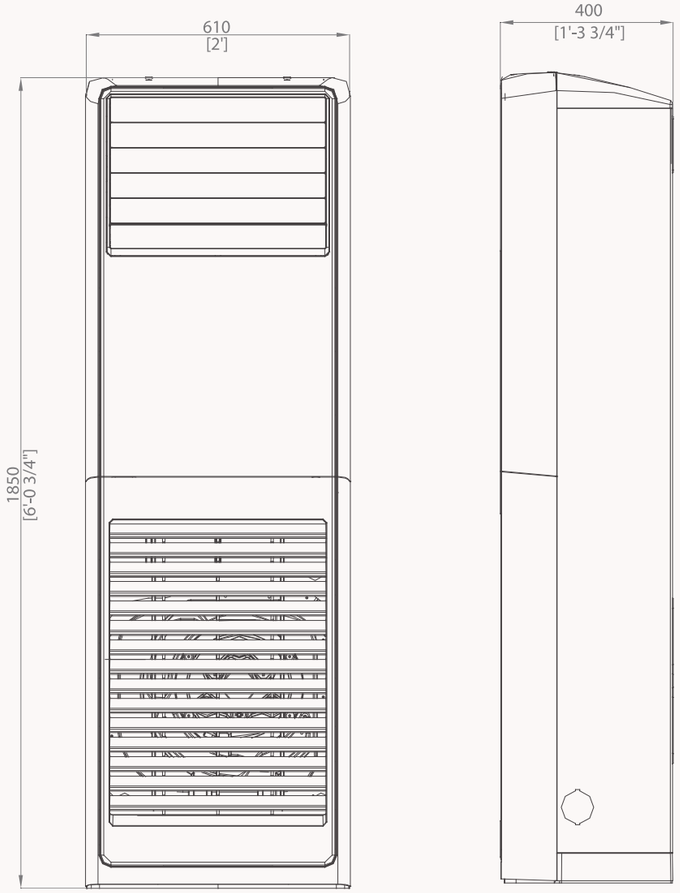
External Thermostat

MRW-TA

Dimensional drawings

Floor-Standing (R410A)

AC100KNPDEH/EU, AC140KNPDEH/EU



NO	Name	Description
1	Gas piping refrigerant	ø15.88 (5/8)
2	Liquid piping refrigerant	ø9.52 (3/8)
3	Condensation drain piping	

Specifications

4-Way Cassette (R410A High Efficiency)

- Four-way air supply via independently adjustable blades
- Adjustable blade angle between 35° and 63°.
- Built-in condensation drain pump (750 mmH2O).
- Compatible with Wi-Fi Kit controller.
- SPi Ioniser (optional).
- Motion Detect Sensor (optional).



Indoor Unit			AC071JN4CEH/EU	AC100JN4CEH/EU	AC125JN4CEH/EU
Outdoor Unit - Mono-Phase			AC071JXSCEH/EU	AC100JXSCEH/EU	-
Outdoor Unit - Tri-Phase			-	AC100JXSCGH/EU	AC125JXSCGH/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	1.70/7.10/8.50	2.20/10.00/12.00	2.20/12.50/14.00
	Heating up to +7 °C (Min/Nominal/Max)	kW	3.00/8.00/11.00	3.30/11.20/17.00	3.30/14.00/19.00
Performance					
Energy Efficiency Cooling	SEER[1]	W/W	6.7/A++	7.0/A++	-
	Power Consumption	kWh/a	371	500	-
	Pdesignc	kW	7.1	10.0	-
	EER	W/W	3.94	3.65	3.21
Energy Efficiency Heating	SCOP[1]	W/W	4.0/A+	4.1/A+	-
	Power Consumption	kWh/a	2,414	2,494	-
	Pdesignh (average)	kW	6.9	7.3	-
	COP[1]	W/W	4.02	4.01	3.71
Airflow Rate	Indoor Unit (H/M/L)	m^3/min	19.50/17.50/15.50	30.00/24.00/18.90	30.00/24.00/18.90
Sound Power	Indoor Unit	dB(A)	53	59	60
	Outdoor Unit	dB(A)	65	66	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	36/33/30	43/38/33	44/39/34
	Outdoor Unit (H/L)	dB(A)	49/49	50/50	52/52
Fan/Outdoor Unit	Type		Turbo	Turbo	Turbo
	Power	W	97	97	97
	Number of Fans	-	1	1	1
External Static Pressure	Min/Std/Max	Pa			
Operating Temperature Range	Cooling	°C	-20.0~50.0	-20.0~50.0	-20.0~50.0
	Heating	°C	-25~24	-25~24	-25~24
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
	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
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.71/1.80/2.20	0.74/2.74/3.54	0.74/3.89/4.25
	Heating	kW	0.68/1.99/5.08	0.68/2.79/6.90	0.68/3.77/7.20
Current Input	Cooling (Min/Std/Max)	A	3.60/8.10/10.00	3.60/12.00/15.60	
	Heating (Min/Std/Max)	A	3.40/9.00/22.00	3.30/12.40/30.00	
	Cooling - Tri-Phase (Min/Std/Max)	A		1.40/4.40/5.50	1.40/6.00/6.60
	Heating - Tri-Phase (Min/Std/Max)	A		1.30/4.50/11.00	1.30/6.00/11.00
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Outdoor Unit	mm	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330
Net Weight	Indoor Unit	kg	18.0	20.0	20.0
	Outdoor Unit	kg	96.0	96.0	96.0



Indoor Unit			AC071JN4CEH/EU	AC100JN4CEH/EU	AC125JN4CEH/EU
Outdoor Unit - Mono-Phase			AC071JXSCEH/EU	AC100JXSCEH/EU	-
Outdoor Unit - Tri-Phase			-	AC100JXSCGH/EU	AC125JXSCGH/EU
Refrigerant					
Refrigerant	Type		R410A (contains fluorinated greenhouse gases. GWP = 2.088)		
	Factory Charging	kg	2.90	2.90	2.90
	Charging Ton equivalent CO_2	tCO_2e	6.06	6.06	6.06
	Additional Refrigerant Charging	g/m	20	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	75	75	75
Piping Height	Max	m	30	30	30
Piping Connections	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others					
Panel	Model Code		PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Net Dimensions (W x H x D)	mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Net Weight	kg	5.9	5.9	5.9
Accessories	Drain Pump		Included	Included	Included
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24

Accessories










Wireless Remote Controller	Simple Type Controller	Touch Controller	Wired Remote Controller	Panel (Mandatory)	Wi-Fi Kit	SPi Ioniser	Motion Detect Sensor
MR-EH01	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC4NUSKAN	MIM-H04EN	MSD-CAN1	MCR-SMA

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

Commercial

Specifications

Mini 4-Way Cassette (R410A High Efficiency)

- Four-way air supply via independently adjustable blades
- Adjustable blade angle between 35° and 63°.
- Built-in condensation drain pump (750 mmH2O).
- Compatible with Wi-Fi Kit controller.
- SPi Ioniser (optional).
- Motion Detect Sensor (optional).




Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026JNNCEH/EU AC026JXSCEH/EU -	AC035JNNCEH/EU AC035JXSCEH/EU -
Capacity				
	Cooling (Min/Nominal/Max)	**kW**	0.85/2.60/3.50	0.90/3.50/4.20
	Heating up to +7 °C (Min/Nominal/Max)	**kW**	0.80/3.40/5.10	0.80/4.30/5.80
Performance				
Energy Efficiency Cooling	**SEER[1]**	**W/W**	7.9/ A++	7.6/ A++
	Power Consumption	**kWh/a**	115	161
	Pdesignc	**kW**	2.6	3.5
	EER	**W/W**	4.06	3.72
Energy Efficiency Heating	**SCOP[1]**	**W/W**	4.6/ A++	4.5/ A+
	Power Consumption	**kWh/a**	761	809
	Pdesignh (average)	**kW**	2.5	2.6
	COP[1]	**W/W**	4.10	3.64
Airflow Rate	**Indoor Unit (H/M/L)**	**m^3/min**	8.00/7.10/6.30	9.30/8.00/6.70
Sound Power	**Indoor Unit**	**dB(A)**	48	51
	Outdoor Unit	**dB(A)**	59	62
Sound Pressure	**Indoor Unit (H/M/L)**	**dB(A)**	32/29/25	34/30/26
	Outdoor Unit (H/L)	**dB(A)**	47/46	48/47
Fan/Outdoor Unit	**Type**		Turbo	Turbo
	Power	**W**	65	65
	Number of Fans	**-**	1	1
External Static Pressure	**Min/Std/Max**	**Pa**		
Operating Temperature Range	**Cooling**	**°C**	-20.0~50.0	-20.0~50.0
	Heating	**°C**	-25~24	-25~24
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**	BLDC Rotary	BLDC Rotary
Power (Min/Nominal/Max)	**Cooling**	**kW**	0.24/0.64/0.89	0.19/0.94/1.26
	Heating	**kW**	0.16/0.83/1.50	0.16/1.18/1.65
Current Input	**Cooling (Min/Std/Max)**	**A**	1.30/3.10/4.20	1.30/4.40/5.80
	Heating (Min/Std/Max)	**A**	1.10/3.90/6.00	1.10/5.40/7.00
	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
	Outdoor Unit	**mm**	790 x 548 x 285	790 x 548 x 285
Net Weight	**Indoor Unit**	**kg**	12.0	12.0
	Outdoor Unit	**kg**	35.0	35.0




Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC026JNNCEH/EU AC026JXSCEH/EU -	AC035JNNCEH/EU AC035JXSCEH/EU -
Refrigerant				
Refrigerant	**Type**		R410A (contains fluorinated greenhouse gases. GWP = 2.088)	
	Factory Charging	**kg**	1.27	1.27
	Charging Ton equivalent CO_2	**tCO_2e**	2.65	2.65
	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**	20	20
Piping Height	**Max**	**m**	15	15
Piping Connections	**Drain Pipe**	**ø, mm**	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Others				
Panel	**Model Code**		PC4SUSMAN / PC4SUSMEN	PC4SUSMAN / PC4SUSMEN
	Net Dimensions (W x H x D)	**mm**	670 x 45 x 670	670 x 45 x 670
	Net Weight	**kg**	2.7	2.7
Accessories	**Drain Pump**		Included	Included
	Max. Lifting Height/Displacement	**mm / litres/h**	750/24	750/24

Accessories









Wireless Remote Controller	Simple Type Controller	Touch Controller	Advanced Wired Controller	Panel (Mandatory)	Wi-Fi Kit	SPi Ioniser
MR-EH01	**MWR-SH00N**	**MWR-SH11N**	**MWR-WG00*N**	**PC4SUSMAN PC4SUSMEN**	**MIM-H04EN**	**MSD-CAN1**

[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 (R410A High Efficiency)

- External static pressure range from 0 to 14 mmAq.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000-step).
- Long-life washable permanent filter is included.
- Auto Restart function.
- Built-in condensation drain pump (750 mmH2O).
- SPi Ioniser (optional).



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC035JNMCEH/EU AC035JXSCEH/EU -	AC071JNMCEH/EU AC071JXSCEH/EU -	AC100JNMCEH/EU AC100JXSCEH/EU AC100JXSCGH/EU	AC125JNMCEH/EU - AC125JXSCGH/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	0.90/3.50/4.20	3.00/7.10/8.50	3.50/10.00/12.00	3.50/12.50/14.00
	Heating up to +7 °C (Min/Nominal/Max)	kW	0.80/4.30/5.80	3.00/8.00/11.00	3.70/11.20/17.00	3.70/14.00/19.00
Performance						
Energy Efficiency Cooling	SEER[1]	W/W	6.5/A++	6.1/A++	6.7/A++	-
	Power Consumption	kWh/a	188	407	522	-
	Pdesignc	kW	3.50	7.10	10.0	-
	EER	W/W	3.72	3.70	3.65	3.30
Energy Efficiency Heating	SCOP[1]	W/W	4.4/A+	4.0/A+	4.1/A+	-
	Power Consumption	kWh/a	764	2,414	2,765	-
	Pdesignh (average)	kW	2.4	6.9	8.1	-
	COP[1]	W/W	3.64	3.90	4.26/4.53	3.91
Airflow Rate	Indoor Unit (H/M/L)	m³/min	12.90/11.00/9.50	21.00/18.50/16.50	36.10/29.30/24.00	38.60/33.00/26.20
Sound Power	Indoor Unit	dB(A)	56	56	61	63
	Outdoor Unit	dB(A)	62	65	66	69
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	31/28/25	33/29/25	37/33/28	39/35/31
	Outdoor Unit (H/L)	dB(A)	48/47	49/49	50/50	52/52
Fan/Outdoor Unit	Type		Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	153	153	244	244
	Number of Fans	-	1	1	1	1
External Static Pressure	Min/Std/Max	Pa	0.00/24.50/147.00	0.00/29.40/147.00	0.00/39.20/147.00	0.00/50.96/147.00
Operating Temperature Range	Cooling	°C	-20.0~50.0	-20.0~50.0	-20.0~50.0	-20.0~50.0
	Heating	°C	-25~24	-25~24	-25~24	-25~24
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 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
Compressor Type	Outdoor Unit	Type	BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/Nominal/Max)	Cooling	kW	0.19/0.94/1.26	0.86/1.92/2.20	0.95/2.74/3.54	0.95/3.79/4.60
	Heating	kW	0.16/1.18/1.65	0.71/2.05/4.10	0.81/2.47/6.90	0.81/3.58/7.20
Current Input	Cooling (Min/Std/Max)	A	1.30/4.70/6.10	4.30/8.70/10.00	4.20/12.00/15.60	-
	Heating (Min/Std/Max)	A	1.15/5.40/7.00	3.60/9.30/18.00	4.30/11.80/30.00	-
	Cooling - Tri-Phase (Min/Std/Max)	A	-	-	1.90/4.40/5.50	1.40/6.00/7.00
	Heating - Tri-Phase (Min/Std/Max)	A	-	-	1.70/4.30/10.50	1.70/5.60/11.00
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	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	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330



Indoor Unit Outdoor Unit - Mono-Phase Outdoor Unit - Tri-Phase			AC035JNMCEH/EU AC035JXSCEH/EU -	AC071JNMCEH/EU AC071JXSCEH/EU -	AC100JNMCEH/EU AC100JXSCEH/EU AC100JXSCGH/EU	AC125JNMCEH/EU - AC125JXSCGH/EU
Net Weight	Indoor Unit	kg	25.0	32.0	36.0	36.0
	Outdoor Unit	kg	35.0	96.0	96.0	96.0
Refrigerant						
Refrigerant	Type		R410A (contains fluorinated greenhouse gases. GWP = 2.088)			
	Factory Charging	kg	1.27	2.90	2.90	2.90
	Charging Ton equivalent CO_2	tCO_2e	2.65	6.06	6.06	6.06
	Additional Refrigerant Charging	g/m	-	20	50	50
Piping Connections	Liquid Pipe	ø, inch	1/4	3/8	3/8	3/8
	Gas Pipe	ø, inch	3/8	5/8	5/8	5/8
Piping Length	Min/Max	m	20	75	75	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					
	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
	Max. Lifting Height/Displacement	mm / litres/h	750/24	750/24	750/24	750/24

Accessories



Drain Pump (included)	Drain Pump (optional)	Wireless Remote Controller	Touch Controller	Advanced Wired Controller	Wi-Fi Kit	Wireless Receiver Kit	External Thermostat	SPi Ioniser
MDP-G075SQ	MDP-G075SP	MR-EH01 (to be matched with MRK-A10N)	MWR-SH11N	MWR-WG00JN/ MWR-WG00KN	MIM-H04EN	MRK-A10N (to be matched with AR-EH03E)	MRW-TA	MSD-CAN1

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

Commercial

Specifications

Max Wall-Mounted (R410A High Efficiency)

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



Indoor Unit			AC100MNTCEH/EU
Outdoor Unit - Mono-Phase			AC100JXSCEH/EU
Outdoor Unit - Tri-Phase			AC100JXSCGH/EU
Capacity			
	Cooling (Min/Nominal/Max)	**kW**	0.85/3.45/4.20
	Heating up to +7 °C (Min/Nominal/Max)	**kW**	0.72/3.64/6.90
Performance			
Energy Efficiency Cooling	**SEER[1]**	**W/W**	6.0/A+
	Power Consumption	**kWh/a**	583
	Pdesignc	**kW**	10.0
	EER	**W/W**	2.9
Energy Efficiency Heating	**SCOP[1]**	**W/W**	4.0/A+
	Power Consumption	**kWh/a**	2,275
	Pdesignh (average)	**kW**	6.5
	COP[1]	**W/W**	3.08
Airflow Rate	**Indoor Unit (H/M/L)**	**m^3/min**	24.00/21.50/19.00
Sound Power	**Indoor Unit**	**dB(A)**	65
	Outdoor Unit	**dB(A)**	66
Sound Pressure	**Indoor Unit (H/M/L)**	**dB(A)**	49 (High)
	Outdoor Unit	**dB(A)**	1
Fan/Outdoor Unit	**Type**		Crossflow Fan
	Power	**W**	58
	Number of Fans	-	2
External Static Pressure	**Min/Std/Max**	**Pa**	
Operating Temperature Range	**Cooling**	**°C**	-20.0~50.0
	Heating	**°C**	-25~24
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**	0.85/3.45/4.20
	Heating	**kW**	0.72/3.64/6.90
Current Input	**Cooling (Min/Std/Max)**	**A**	4.2/15.1/18.5
	Heating (Min/Std/Max)	**A**	3.6/16.0/30.0
	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**	1,280 x 253 x 345
	Outdoor Unit	**mm**	940 x 1,420 x 330
Net Weight	**Indoor Unit**	**kg**	18.5
	Outdoor Unit	**kg**	96.0
Refrigerant			



Indoor Unit			AC100MNTCEH/EU
Outdoor Unit - Mono-Phase			AC100JXSCEH/EU
Outdoor Unit - Tri-Phase			AC100JXSCGH/EU
Refrigerant	**Type**		R410A (contains fluorinated greenhouse gases. GWP = 2.088)
	Factory Charging	**kg**	2.90
	Charging Ton equivalent CO_2	**tCO_2e**	6.06
	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**	75
Piping Height	**Max**	**m**	30
Piping Connections	**Drain Pipe**	**ø, mm**	ID 18

Accessories







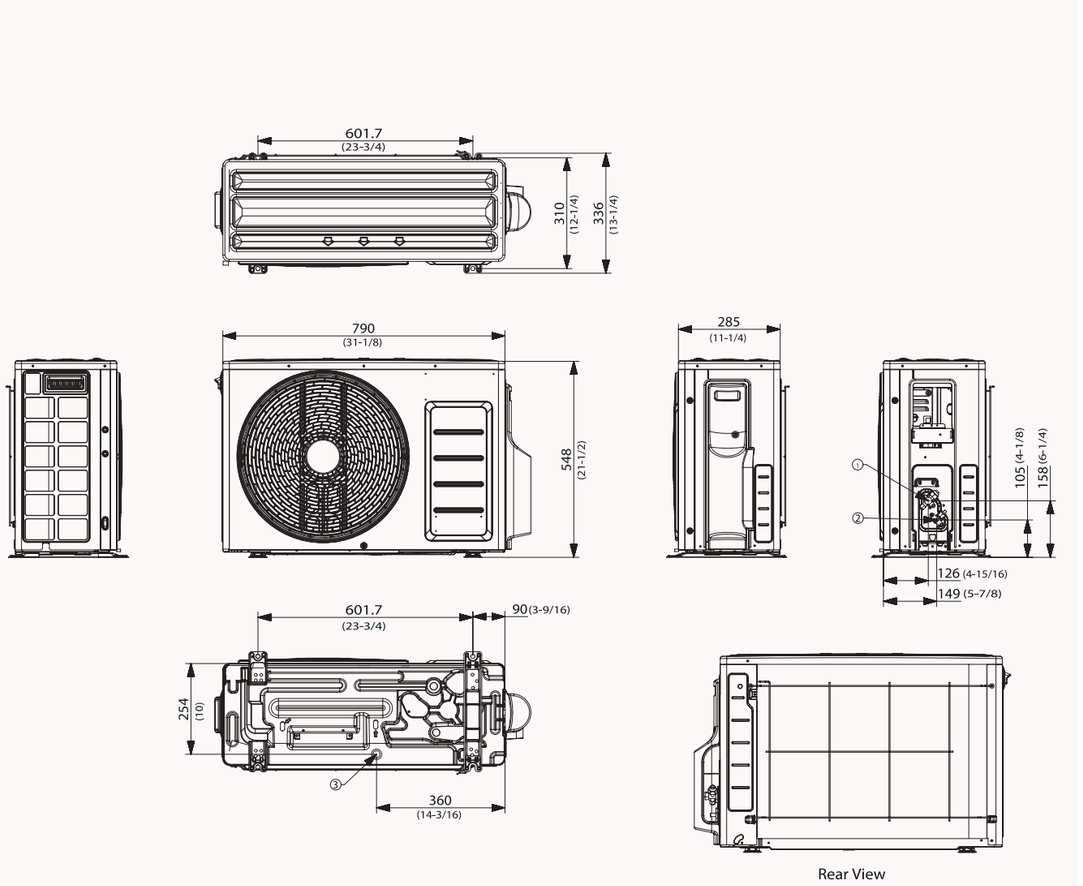
Touch Controller	Wired Remote Controller	Wi-Fi Kit	External Thermostat
MWR-SH11N	MWR-WE13N	MIM-H04EN	MRW-TA

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

Dimensional drawings

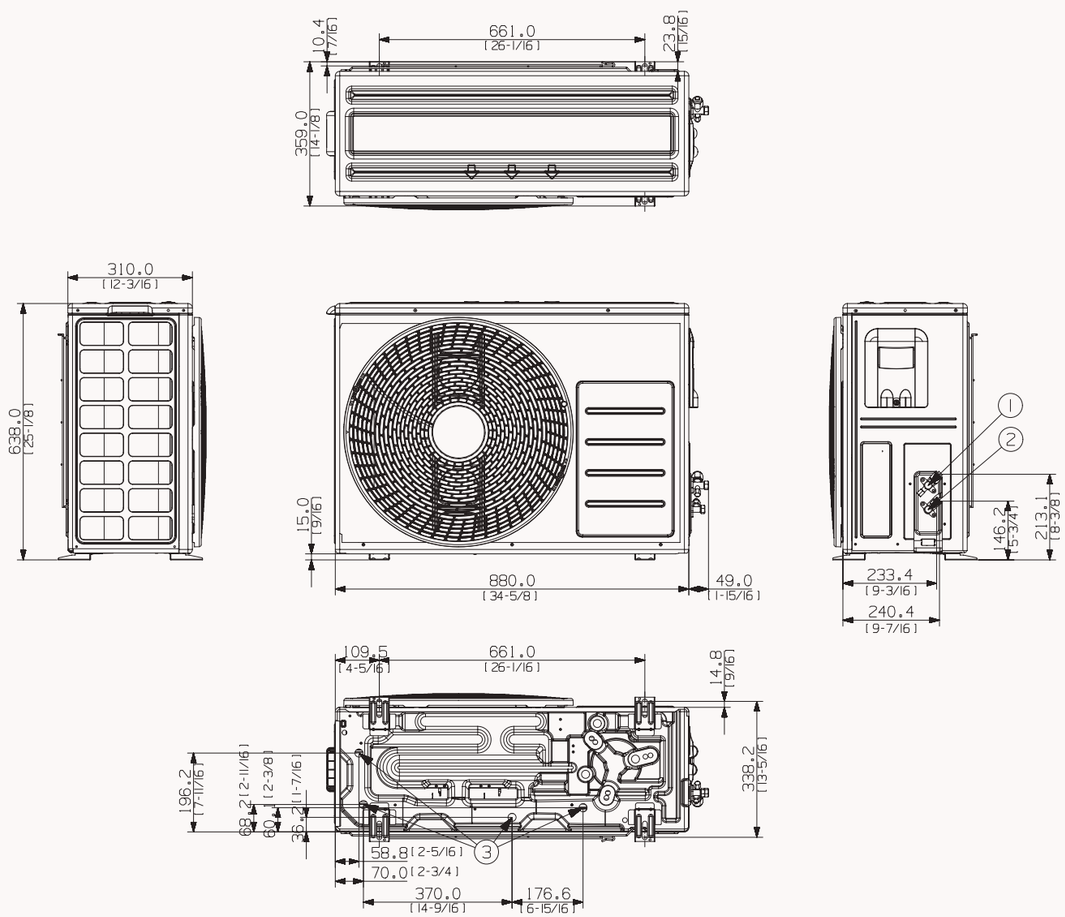
Outdoor Units

2.6 kW/3.5 kW Outdoor Unit



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.

5.2 kW/6.0 kW Outdoor Unit

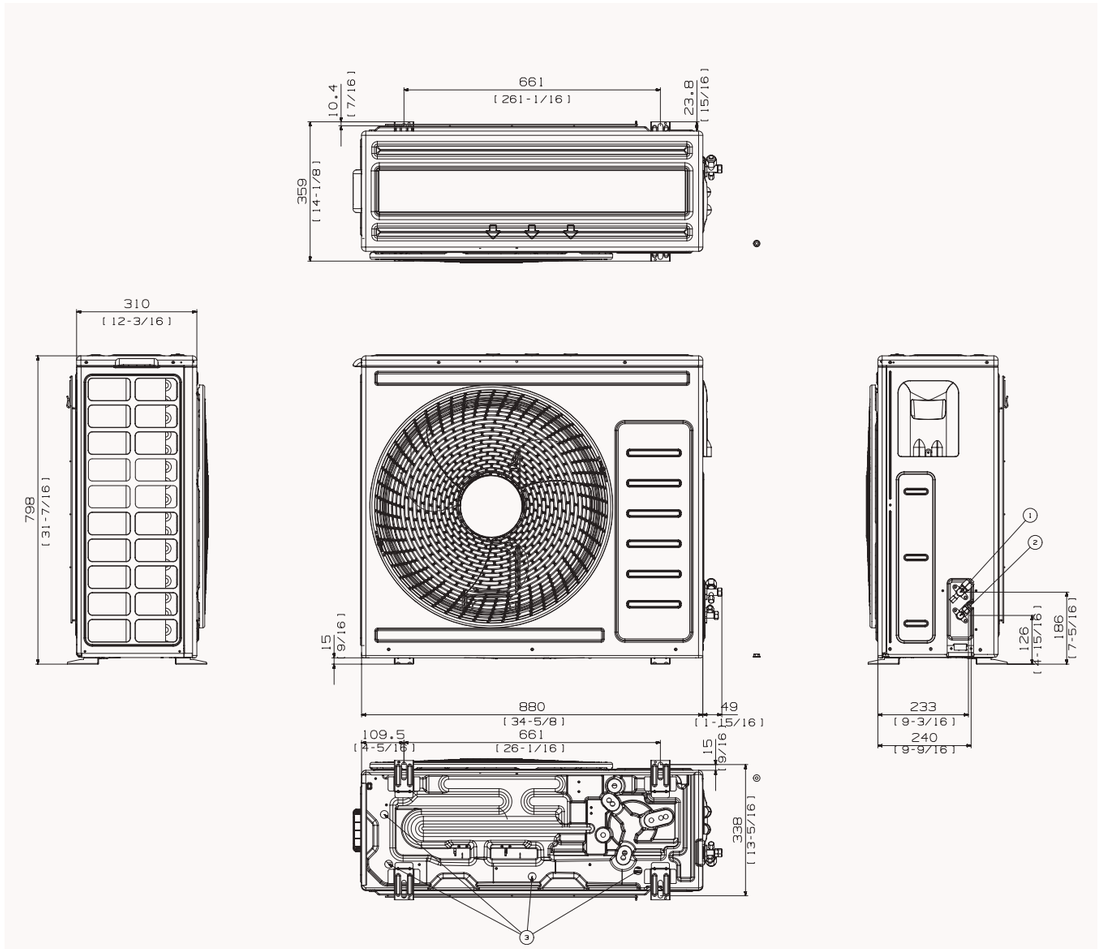


NO	Name	Description
1	**Refrigerant gas pipe**	ø12.70 (1/2)
2	**Refrigerant liquid pipe**	ø6.35 (1/4)
3	**Drain hole**	ø20

Dimensional drawings

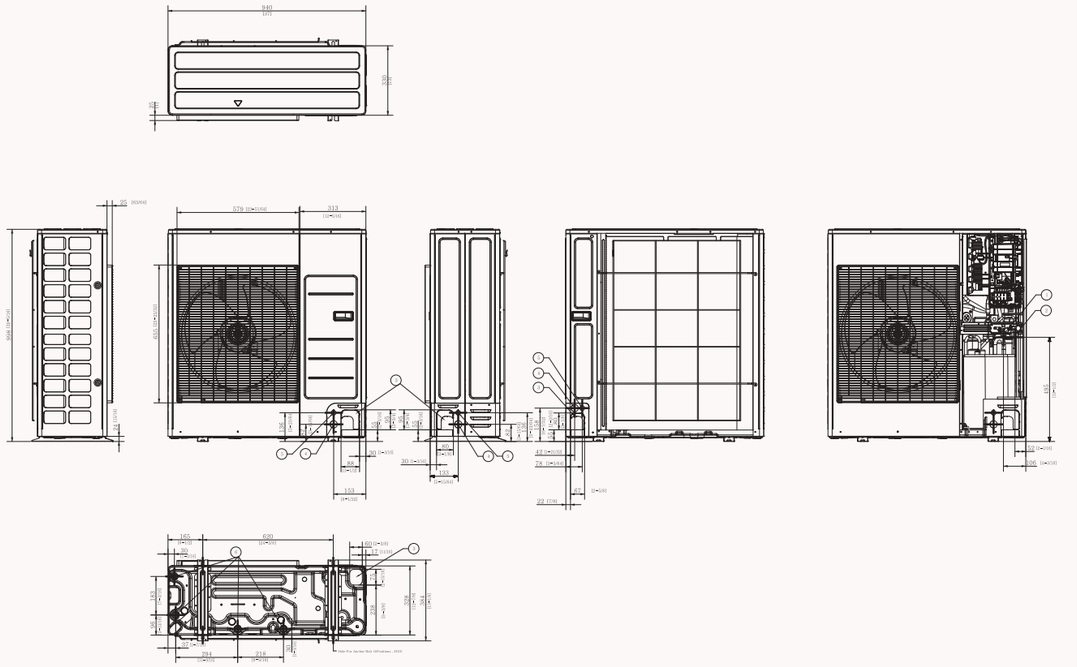
Outdoor Units

7.1 kW Outdoor Unit



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.

9 kW/10 kW/12 kW Outdoor Unit

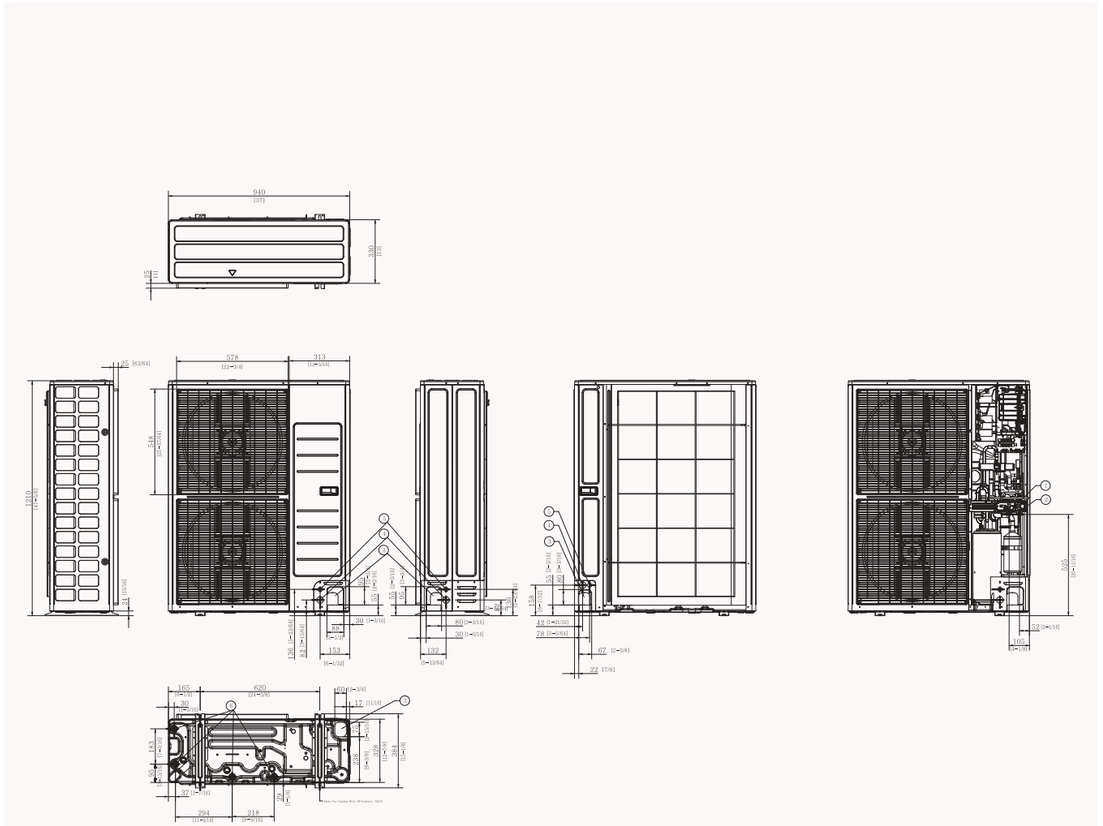


NO	Name	Description
1	**Liquid pipe connection**	ø9.52 (3/8)
2	**Gas pipe connection**	ø15.88 (5/8)
3	**Piping intake knock-out hole**	Front/Side/Rear/Bottom
4	**Power wiring conduits**	Front/Side/Rear, ø34 (ø1 3/8)
5	**Communication wiring conduits**	Front/Side/Rear, ø22 (ø7/8)
6	**Drain hole**	Connect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

Dimensional drawings

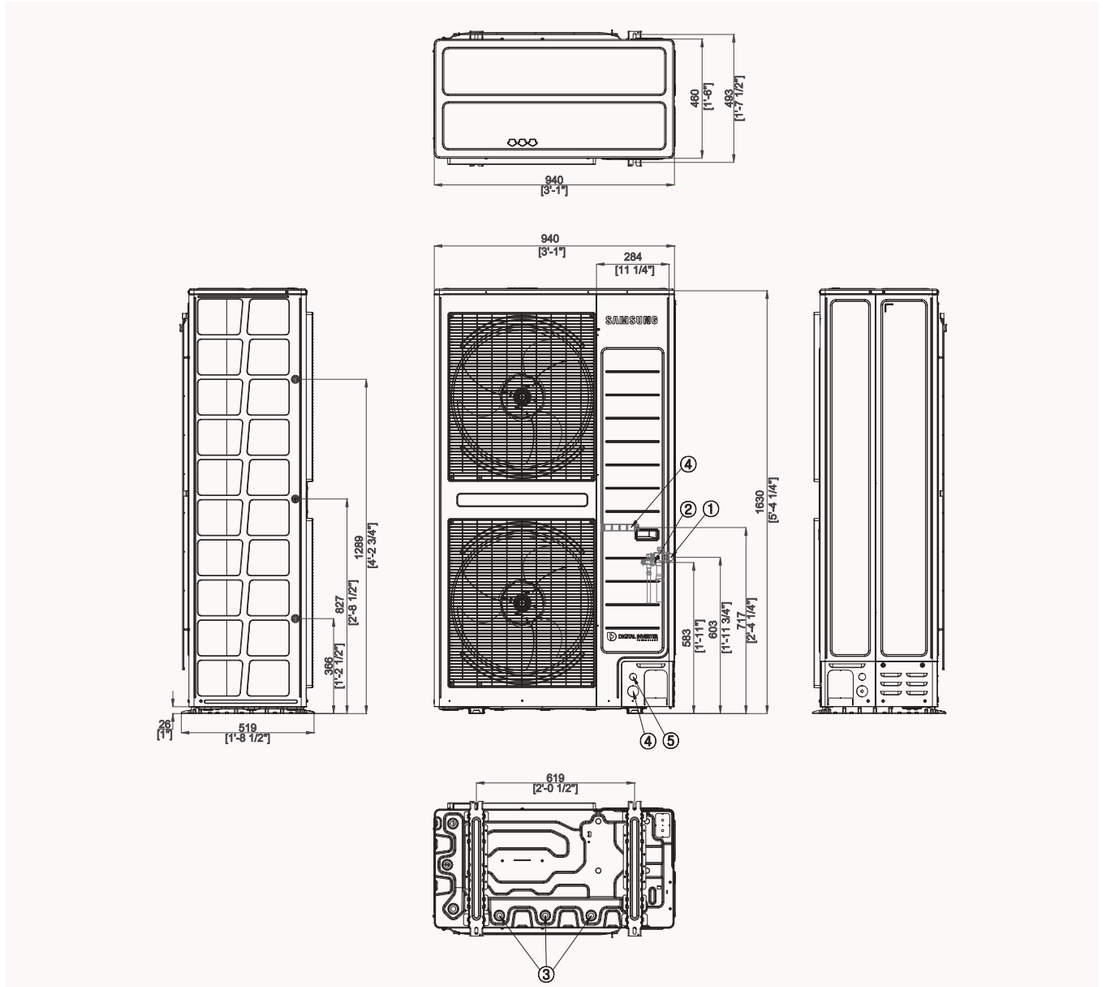
Outdoor Units

14 kW/16 kW/18 kW Outdoor Unit



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.

20 kW/25 kW Outdoor Unit



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

Controls

Line-up

	Product	Model	Image	Matchable Products
Individual Control System	Wireless Remote Controller	AR-EH03M AR-EH03E		DVM, FJM, CAC
	Wireless Remote Controller	AR-KH03E*		CAC, DVM *only for 360 Cassette
	Advanced Wired Controller	MWR-WG00JN MWR-WG00KN		FJM, CAC, DVM
	Simple Type Controller	MWR-SH00N		FJM, CAC, DVM
	Touch Type Controller	MWR-SH11N		FJM, CAC, DVM + Wind-Free™ function
	ERV Wired Remote Controller	MWR-VH12N		ERV
	Wireless Receiver Kit	MRK-A10		DVM, CAC (only duct models)
Centralised Control System	ON/OFF Controller	MCM-A202DN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Touch Centralised Controller	MCM-A300N		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Wi-Fi Kit	MIM-H04EN		All
	Module Controller	MCM-A00N		DVM Chiller
Integrated Management System	DMS2.5	MIM-D01AN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	S-NET3	MST-P3P		

	Product	Model	Image	Matchable Products
Gateway System	BACnet Gateway	MIM-B17BN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	LonWorks Gateway	MIM-B18BN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	External Contact Interface Module	MIM-B14		DVM, RAC, FJM, CAC, EHS
	PIM (Pulse Interface Module)	MIM-B16N		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Interface Module (Converter RS485 to NASA)	MIM-N01		FJM, CAC, EHS
	ERV Interface Module (Converter RS485 to NASA)	MIM-N10		ERV
	FCU Interface Module	MIM-F10N		Chiller
Installation/ Test Run Solution	S-Converter	MIM-C02N		
Others	External Room Sensor	MRW-TA		DVM, FJM, CAC
	Operation Mode Selection Switch	MCM-C200		
	MTFC (Multi-Tenant Function Controller)	MCM-C210N		
Integrated Management System	DMS2.5	MIM-D01AN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	S-NET3	MST-P3P		

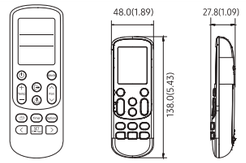
Features and Dimensional drawings

Individual Control System

Wireless Remote Controller
AR-EH03E / AR-EH03M

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

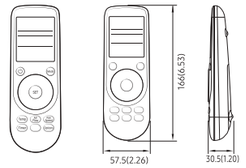




Wireless Remote Controller
AR-KH03E

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





Wired Remote Controller
MWR-WE13N / MWR-WE13 (FJM Only)

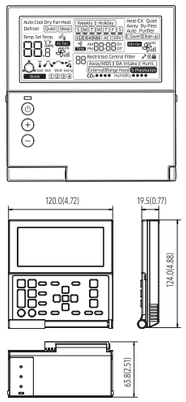
Air conditioner/ERV control
- AC operation ON/OFF control
- AC operation mode, setting temperature, fan speed, airflow direction setting
- AC individual blade control (function is available when indoor unit supports any of the above functions)
- ERV operation ON/OFF control
- ERV operation mode, fan speed setting
- AC/ERV error monitoring
- Filter cleaning alert and reset alert time
- Individual/group control, indoor unit/ERV interlocking control
- Energy saving control
- Control a maximum of 16 “Indoor unit + ERV” in a group with a single wired remote controller
- 360 Cassette and Wind-Free compatible

Energy saving operation
- Upper/lower temperature limit setting
- Automatic operation stop: automatically stops operating when not used for a certain period of time set by user

Weekly operation schedule setting
- Weekly operating schedule (A/C only, ERV only, A/C+ERV)
- Able to set desired AC operation mode, setting temperature and fan speed to operate based on weekly reservation
- Able to apply schedule exception day

User convenience function
- Child lock
- Different button permission levels (Operation mode, temperature setting, ON/OFF, fan speed)
- Real-time clock: displays current time, day (Summer time support)
- Built-in room temperature sensor
- Service mode support
  - Indoor unit cycle data monitoring
  - Indoor unit option code setting and monitoring
  - Indoor unit address setting and monitoring

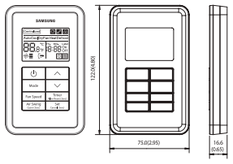




Simple Type
MWR-SH00N

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

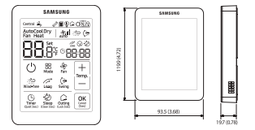




Touch Controller
MWR-SH11N

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

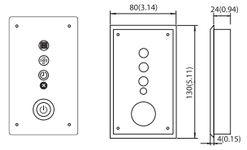




Wireless Receiver Kit
MRK-A10N
MRK-A10 (FJM Only)

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



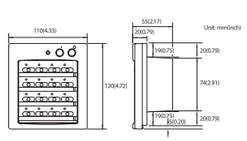


Centralised Control System

ON/OFF Controller
MCM-A202DN
MCM-A202D (FJM Only)

- Maximum 16-group controller (Max. 128 units)
- Whole/Group/Individual indoor unit control (ON/OFF)
- Restriction on the use of wireless/wired remote controllers and external contact control
- Cooling and heating mode control
- Indoor unit error display

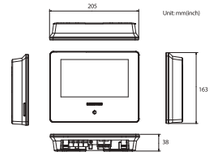




Touch Centralised Controller
MCM-A300N

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





Wi-Fi Kit
MIM-H04N

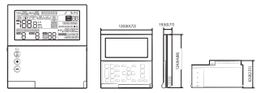
- Controls and monitoring system air conditioner by mobile phone. (Max. 16 units)
- Weekly schedule setting
- Group control and monitoring (ON/OFF)
- Current/daily/weekly/monthly energy usage data of outdoor unit. (This function is available in certain outdoor unit models)



Module Controller
MCM-A00N

- DVM CHILLER ON/OFF control (Module/Group)
- Operation mode, water outlet temperature setting
- Optional operation setting
- Module/Group setting
- Weekly operation schedule setting





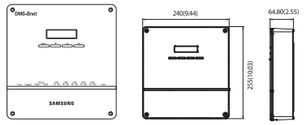
Gateway System

BACnet Gateway
MIM-B17BN

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

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



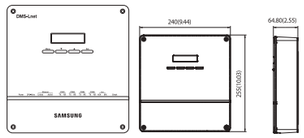


LonWorks Gateway
MIM-B18BN

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

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



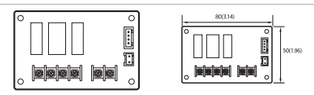


External Contact Interface Module
MIM-B14

Samsung Guestroom Management System saves users the energy and money wasted on cooling an unoccupied room. The air conditioner is activated when the Key-Tag is in place and turns off when the Key-Tag is removed. An external contact interface module provides direct indoor unit control via an external contact signal, as well as window-synchronised indoor unit control. The emergency control function features simple contact input. The module also generates indoor unit operation/error state output through relay contacts.

- Direct indoor unit control by external contact signal
- Window-synchronised indoor unit control
- Emergency control with simple contact input
- Indoor unit operation/error state output through relay contacts

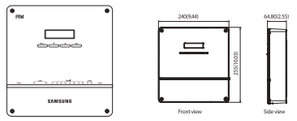




PIM (Pulse Interface Module)
MIM-B16N

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

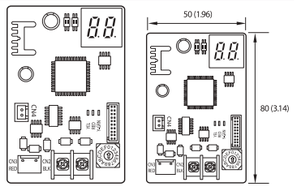




Interface Module
MIM-N01

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

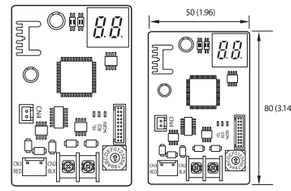




Interface Module (Converter RS485 to NASA)
MIM-N10

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

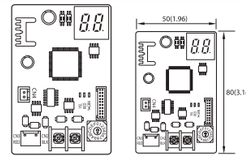




FCU Interface Module
MIM-F10N

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



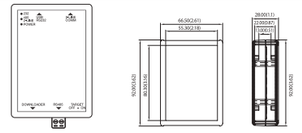


Installation/Test Run Solution

S-Converter
MIM-C02N

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



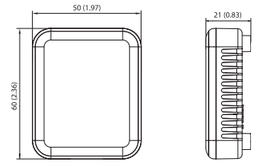


Others

External Room Sensor
MRW-TA

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

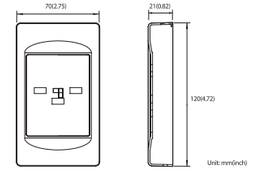




Operation Mode Selection Switch
MCM-C200

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

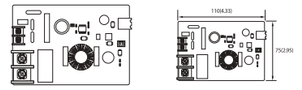




MTFC (Multi-Tenant Function Controller)
MCM-C210N

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





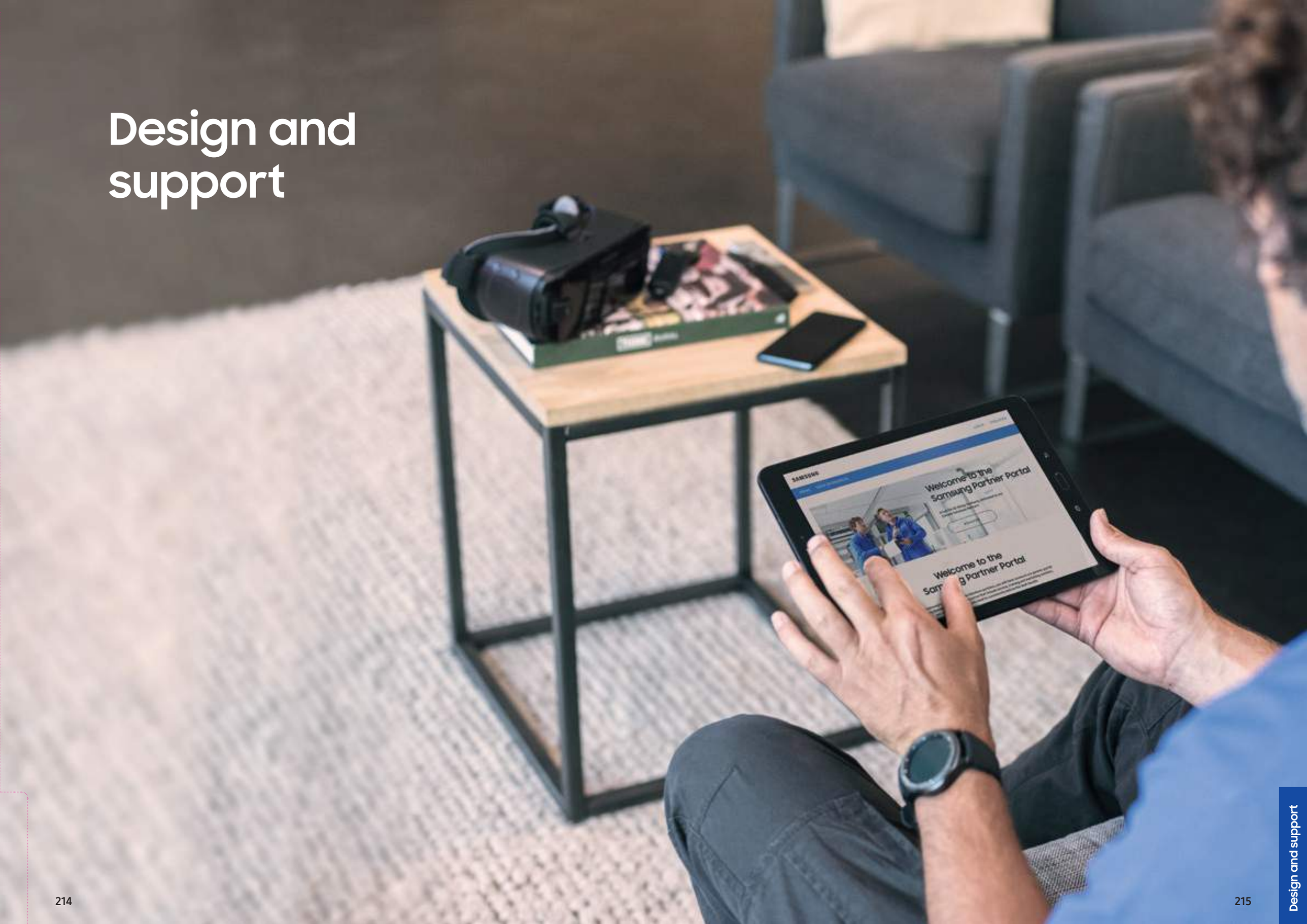
Accessories

Line-up

Classification	Image	Model DVM S (New Communication Protocol)	Application
Drain Pump		MDP-E075SEE3D	Slim Duct (2.0~14.0 kW)
		MDP-M075SGU1D	MSP Duct (9.0/11.2 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-N047SNC0D	Fresh Air Intake Duct (14.0 kW)
		MDP-N047SNC1D	HSP Duct (22.4/28.0 kW) Fresh Air Intake Duct (14.0 kW)
		MDP-G075SP	Global Duct (External Type)
		MDP-G075SQ	Global Duct (Internal Type)
CAC AHU Kit		MXD-K100XN	7.00~8.75 kW AHU
Humidifier		MVO-VA050100	500 m3/hr (ERV Plus)
		MVO-VA100100	1,000 m3/hr (ERV Plus)
360 Cassette Front Panel		PC4NUDMAN	NASA, Square
		PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	NASA, Circle (exposed installation)
		PC4NBNMAN	NASA, Circle (exposed installation) - Black
Wind-Free™ 4-Way Cassette Front Panel		PC4NUFMAN	Wind-Free™ 4-Way Cassette
4-Way Cassette Front Panel		PC4NUSKAN	4-Way Cassette S - Waffle
		PC4NUSKEN	4-Way Cassette S - Classic
		PC4NBSKAN	4-Way Cassette S - Black
Wind-Free™ 4-Way Cassette Front Panel (600 x 600)		PC4SUFMAN	Wind-Free™ 4-Way Cassette (600 x 600)
Wind-Free™ 1-Way Cassette Front Panel		PC1NWFMAN	
1-Way Cassette Front Panel		PC1BWSMAN	1-Way Cassette (New Air Fluid Design) (1.7~2.2 kW)
		PC1NUSMAN	Slim 1-Way Cassette (2.2~3.5 kW)
		PC1NUPMAN	Slim 1-Way Cassette Z-Sliding (2.2~3.5 kW)
2-Way Cassette Front Panel		PC2NUSMEN	2-Way Cassette
SPi Ioniser		MSD-CAN1	4-Way Cassette, 4-Way Mini Cassette, 360 Cassette, Ceiling (optional) Console (included)
		MSD-EAN1	Duct S, Big Duct, ERV, ERV Plus (optional)
Motion Detect Sensor		MCR-SMA	4-Way Cassette S (600 x 600)
		MCR-SMC	Wind-Free™ 4-Way Cassette
		MCR-SMD	Wind-Free™ Mini 4-Way Cassette

Accessories

Design and support



Samsung Climate Solutions Partner Portal

As one of Samsung's registered Climate Solutions partners, you will have access to our Partner Portal and its many benefits. Whether you are looking for marketing materials or 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.





Obtain marketing resources

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



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.

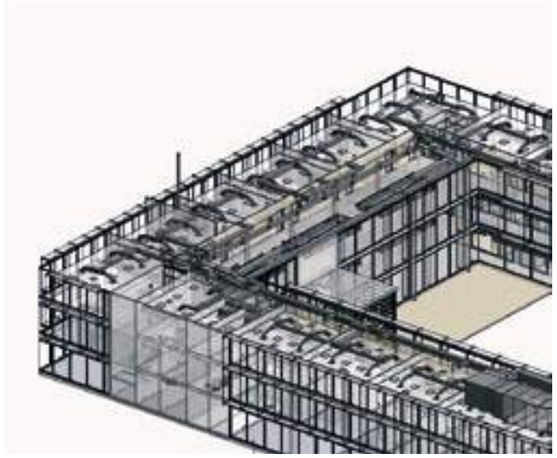
1 Google Chrome is the recommended web browser for using the Samsung Climate Solutions Partner Portal.

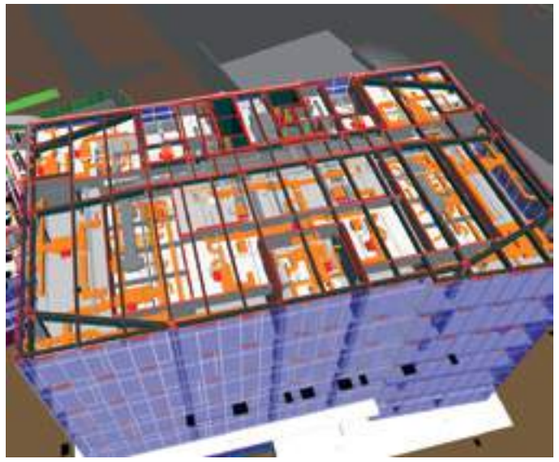
Samsung specialist design support

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

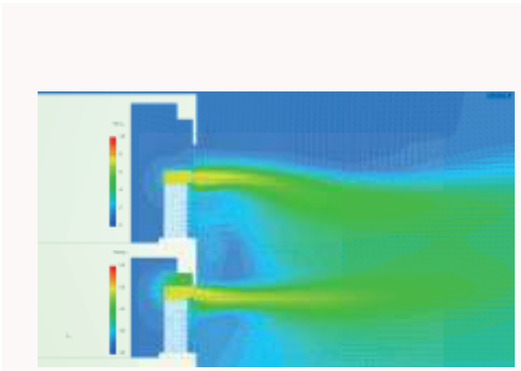
BIM support

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





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



CFD analysis

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

BREEAM evaluations

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 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



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.



CFD analysis

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



BREEAM evaluations

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.

Samsung training centres in Europe











Available training modules

Essential courses: Basic commercial training

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

Advanced courses: Technical training

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

Advanced courses: Design training

- Understanding customers' needs and offering possible solutions
- DVM-Pro - 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 informa-

How to register for training



Search

To check for available training courses, go to Samsung Business Academy (SBA) via the Samsung Climate Solutions Partner Portal[1]: **partnerhub.samsung.com/climate**. Search the online event calendar and select the training course you would like to attend.



Register

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



Get certified

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

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

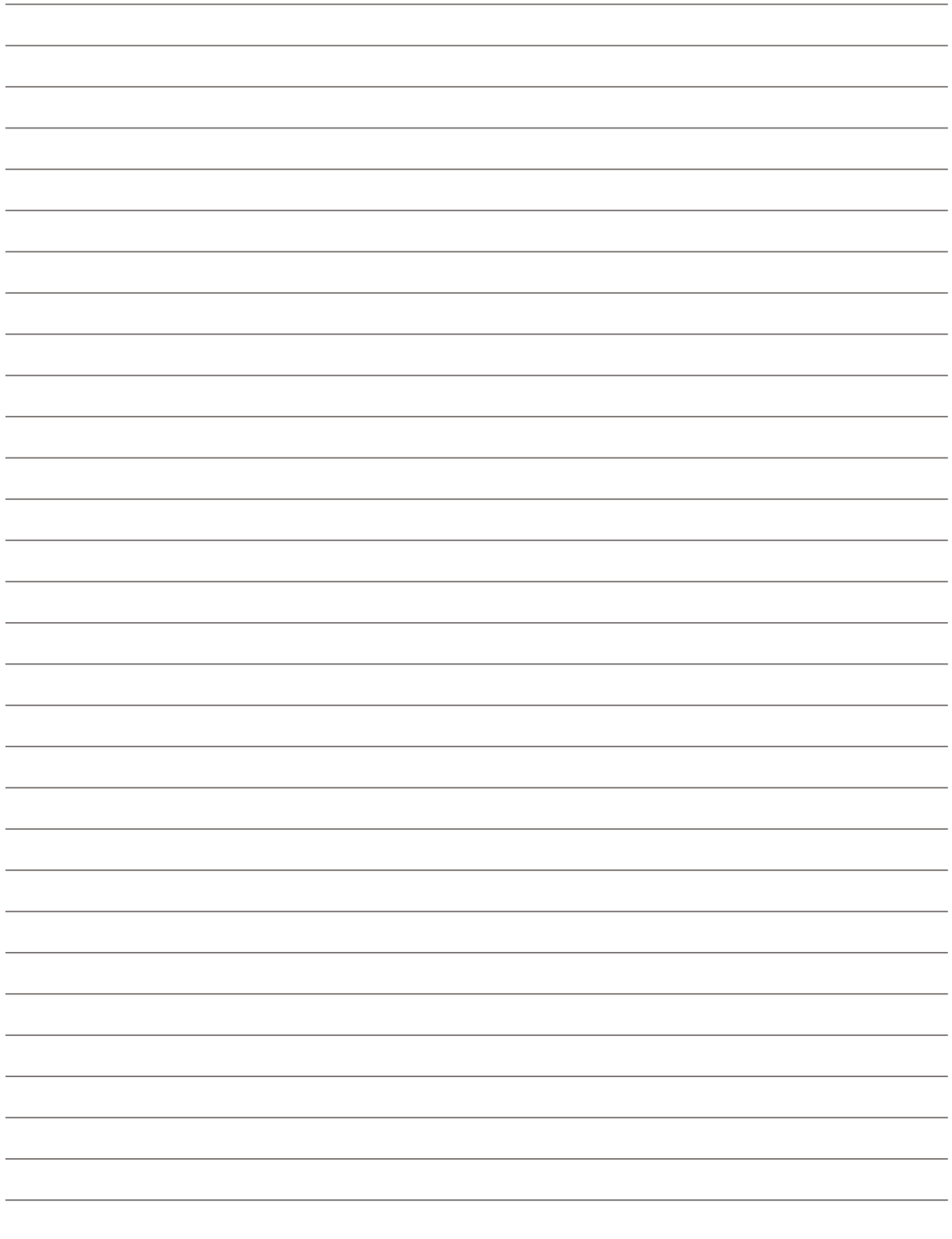
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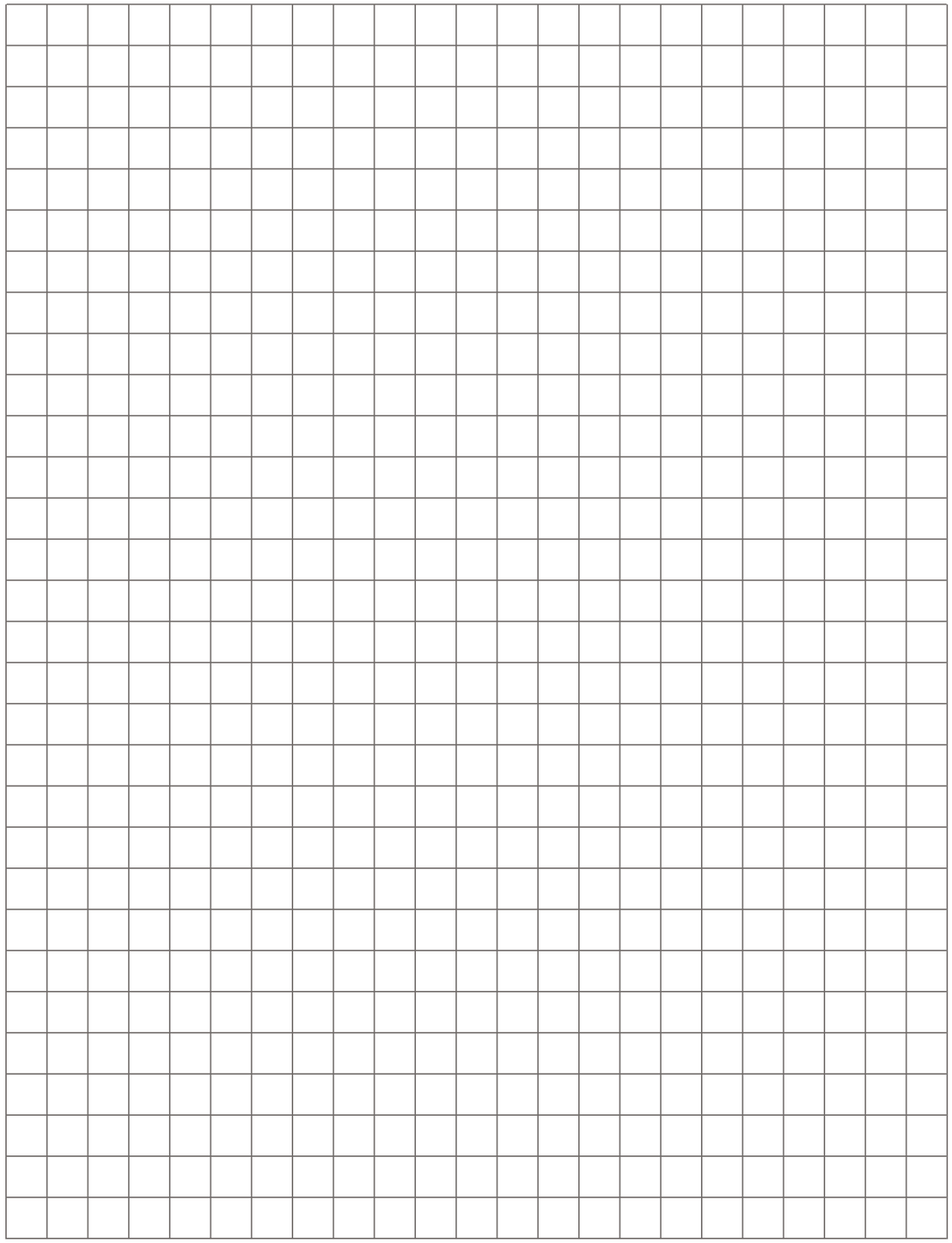
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Learn more about Samsung Climate Solutions at:
www.samsung.com/climate

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