Introduction 4

- Samsung Climate Solutions
- Samsung Innovation
- Reference Sites
- Product Categories
- Product Range

1. Residential - Room Air Conditioner (RAC) 14

- New for 2018
- Line-up
- Technology
- Wind-Free™ Ultra
- Wind-Free™ Optimum
- Wind-Free™ Essential
- Wind-Free™ Standard
- Nordic Range AR7000
- AR5680
- AR5580
- Nordic Range AR5580
- AR5500
- Boracay
- Maldives

2. Multi Split - Free Joint Multi (FJM) 56

- New for 2018
- Line-up
- Wind-Free™ Wall-Mounted
- AR5580 Wall-Mounted
- AR5500 Wall-Mounted
- Boracay Wall-Mounted
- Maldives Wall-Mounted
- Wind-Free™ 1-Way Cassette
- 1-Way Cassette
- Wind-Free Mini 4-Way Cassette
- Mini 4-Way Cassette
- Console
- Duct

3. Commercial - Commercial Air Conditioner (CAC) 122

- Line-up
- Combination Tables
- 360 Cassette
- Wind-Free™ 4-Way Cassette
- Wind-Free™ Mini 4-Way Cassette
- 4-Way Cassette
- Mini 4-Way Cassette
- Duct
- Wall-Mounted AR5000
- Wall-Mounted MAX
- Console
- Ceiling
- Floor/Ceiling
- Packaged Floor-Standing

4. VRF - Digital Variable Multi (DVM) 226

- New for 2018
- Line-up
- Technology
- DVM S High EER Heat Pump
- DVM S Standard
- DVM S Essential
- DVM S High EER Heat Recovery
- DVM S Eco Heat Pump
- DVM S Eco Heat Recovery
- DVM S Water
- 360 Cassette
- Wind-Free™ 4-Way Cassette
- Wind-Free™ Mini 4-Way Cassette
- 4-Way Cassette
- Mini 4-Way Cassette
- Wind-Free™ 1-Way Cassette
- 1-Way Cassette
- 2-Way Cassette
- Duct
- Wall-Mounted
- Console
- Ceiling
- Floor/Ceiling
- Concealed Floor-Standing
- Packaged Floor-Standing
- ERV Plus
- Hydro Unit
- Mode Change Control Unit

5. Chiller - Digital Variable Multi (DVM) Chiller 386

- Line-up
- Combination Tables
- Technology
- 360 Cassette Fancoil Unit
- 4-Way Cassette Fancoil Unit
- 1-Way Cassette Fancoil Unit
- DVM Chiller

6. Ventilation - Energy Recovery Ventilation (ERV) 410

- Features
- Specifications
- Dimensional Drawings

7. Air to Water Heating - Eco Heating System (EHS) 418

- Technology
- Line-up
- Monobloc
- Split
- TDM Plus
- TDM Plus Wall-Mounted
- TDM Plus Duct
- TDM Plus Console
- TDM Plus Hydro Unit

8. Controls & Accessories 458

- Line-up
- Features & Specifications

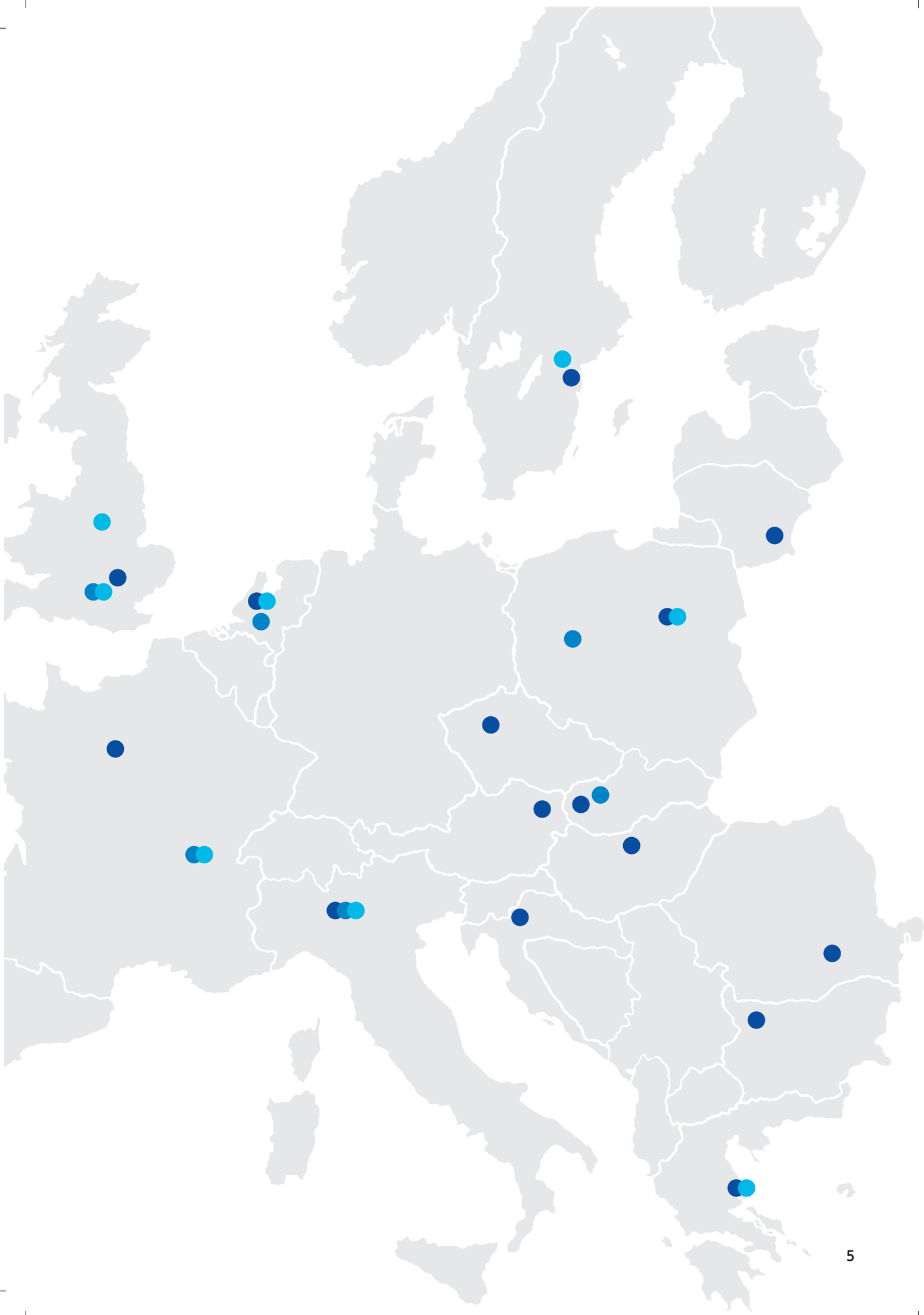
The Future of Climate Solutions

As a global leader in technology, Samsung uses relentless innovation and discovery to continually transform the face of electronics. For the last forty years, we have been applying this same groundbreaking innovation to air care. With stunning designs and advanced performance, our climate solutions are revolutionising the world of air conditioning.

In 2017, Samsung Electronics Air Conditioner Europe B.V. opened its Amsterdam-based headquarters in a bid to better serve the European market – the world's second largest air conditioning market. Our dedicated sales office offers training, technical support and unique distribution operations.

- Samsung Offices (17)
- Warehouses (8)
- Training Centres (10)





Samsung Innovation

For over forty years, Samsung has been manufacturing air conditioners and continuously providing innovative technologies.

1974
Began WAC Production



1975
Began RAC Production



1985
Began Inv.RAC / F(P) AC Production



1992
Began SAC Production





2000
First Launched DVM Water



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



2012
Launched Wi-Fi Control RAC (Jungfrau)



2013
Launched Triangle Architecture RAC (A3050)



2015
Launched 360 Cassette, 30HP DVM



2017
Launched Wind-Free™ Wall Mounted



2018
Launching Wind-Free™ Cassette





Reference Sites





Shopping Centre
Tirana, Albania





Restaurant
Milan, Italy





Hotel
Dijon, France





Office Building
Warsaw, Poland





Shopping Centre
Venice, Italy





Residential Apartments
Barcelona, Spain





Wine Warehouse
Dijon, France

Product Categories

Samsung Climate Solutions provide the best in performance and efficiency to ensure residential and commercial environments are perfectly tempered, healthy and comfortable – all while conserving costs. Our intelligent, high-capacity air conditioning systems offer just the right climate solution for any application.



Residential
Room Air Conditioner (RAC)

Residential
Room Air Conditioner (RAC)

An RAC system is easily installed and connects one indoor unit to an outdoor unit. This is the ideal solution for one room. Page 14



Multi Split
Free Joint Multi (FJM)

Multi Split
Free Joint Multi (FJM)

A single outdoor unit supporting up to five indoor units. An FJM system is ideal for residential and light commercial spaces with multiple rooms to increase space efficiency. Page 56



Chiller
Digital Variable Multi (DVM) Chiller

Chiller
Digital Variable Multi (DVM) Chiller

A DVM Chiller utilises chilled water for comfort cooling in any type of space from high-rise buildings to small commercial buildings. Its modular design provides a wide choice of configurations and capacities. Page 386



Ventilation
Energy Recovery Ventilation (ERV)

Ventilation
Energy Recovery Ventilation (ERV)

An ERV system provides fresh, healthy outside air while minimising energy loss and maximising efficient operation. Page 410



Commercial
Commercial Air Conditioner (CAC)

Commercial
Commercial Air Conditioner (CAC)

The CAC products offer a suitable solution for large areas such as retail floors, offices and restaurants, for managing climate in a single zone, if needed with multiple indoor units working as one (Digital Pack Multi). Page 122



VRF
Digital Variable Multi (DVM)

VRF
Digital Variable Multi (DVM)

With its wide range of capacities and advanced technology, a DVM system is the perfect cooling and heating solution for any type of space. From high-rise buildings to small commercial buildings. Page 226



Air to Water Heating
Eco Heating System (EHS)

Air to Water Heating
Eco Heating System (EHS)

An EHS system can be integrated into homes to provide heating, hot water supply and air conditioning by using only one system. Page 418



Controls & Accessories

Controls & Accessories

Using a variety of controls, users can centrally manage multiple functions of individual or entire groups of indoor units. Units can also be extended with additional accessories to accommodate individual needs.
Page 458

Product Range

Wall Mounted Type








AR5500 | AR5580/5680 | Wind-Free™ | Maldives | Boracay

Duct Type







Low Static Pressure | Medium Static Pressure | High Static Pressure | Outdoor Air Processing

Hydro (Hot Water)





50°C | 80°C

Multi Split Systems





R32 | R410A

Controllers



Wireless, Wired and Centralised

Light Commercial Split Systems



2.6 - 25 kW

Heating Systems



Mono | Split | TDM Plus

Cassette Type



360 Cassette



Wind-Free™ 1-Way Cassette



Wind-Free™ 4-Way Cassette



1-Way Cassette



2-Way Cassette



4-Way Cassette

Floor-Ceiling & Console Type



Floor



Floor Concealed



Console



Ceiling



Floor / Ceiling

VRF Range



Water to Water



Mini VRF



Air to Air Large

Modular Chiller



DX Chiller

Energy Recovery Ventilation



High Efficiency Ventilation Units



Ventilation Units





Residential

Room Air Conditioner (RAC)

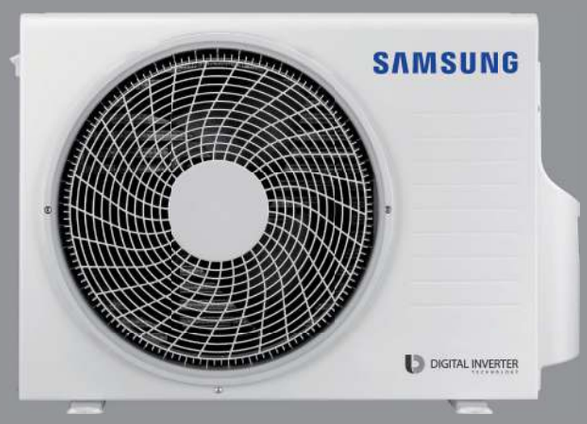
New for 2018

Goodbye Cold Drafts, Hello Samsung Wind-Free™

Thanks up to 21,000 micro-holes on the system's front surface, Wind-Free™ technology works so well you will not even notice it is there. Once the set temperature is reached, the system spreads fresh air uniformly without the unpleasant blast of cold wind.

Now available with R32 Refrigerant

Only compatible with the 2.5kW and 3.5kW outdoor units



Wind-Free™ Ultra

Page 30



Wind-Free™ Optimum/Essential

Page 32



Wind-Free™ Standard

Page 36



Reducing F-gas Emissions

Based on the ground-breaking EU legislation aimed at reducing F-gas emissions and to move towards lower Global Warming Potential refrigerants, Samsung added a new type of refrigerant to its residential air conditioners. With a low Global Warming Potential of 675, R32 is a sustainable solution for the air conditioning industry.

Line-up

Model	Indoor unit	Outdoor unit (2.5kW & 3.5kW)	2.5kW	3.5kW	Outdoor unit (5.2kW & 6.8kW)	5.2kW	6.8kW
Wind-Free™ Ultra			•	•			
Wind-Free™ Optimum			•	•		•	•
Wind-Free™ Essential			•	•		•	•
Wind-Free™ Standard			•	•		•	•
AR7000 (Nordic Range)			•	•			
AR5680			•	•		•	•
AR5580			•	•		•	•
AR5580 (Nordic Range)			•	•			
Boracay			•	•		•	•
AR5500			•	•			
Maldives			•	•		•	•

SAMSUNG

New era of refrigerant - R32



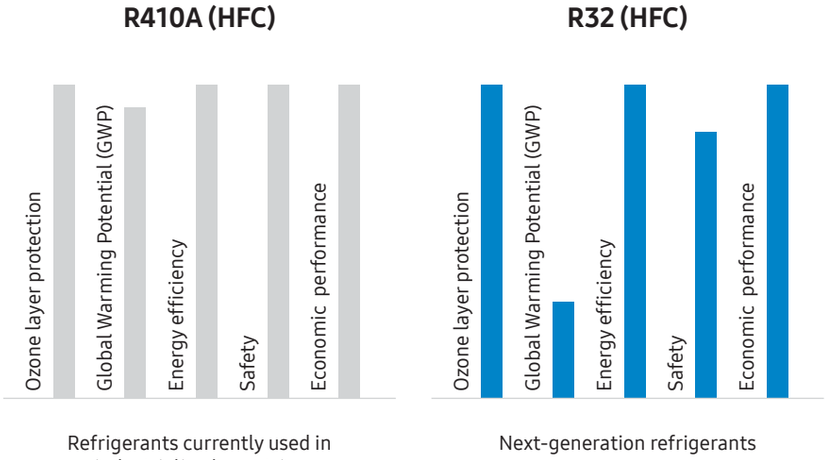
Refrigerants are an essential part of air conditioning. So it is very important to choose refrigerants that have a low environmental impact. Samsung has added the refrigerant R32 to residential air conditioners to protect the ozone layer and reduce global warming.

Hello R32 Refrigerant!

Samsung is presenting a new era of air conditioners with R32 refrigerant, which is more environmental friendly then it's predecessor R410A. R32 has a lower Global Warming Potential (GWP) of 675 compared to R410A with 2.088 and it also has an Ozone Depletion Potential (ODP) of zero, so it helps conserve the ozone layer and can also be easily reused. R32 has a high refrigeration capacity and thermal conductivity. This results in higher capacity and energy efficiency, and reduces the charging volume by 30%. Samsung's air conditioner with eco friendly R32 refrigerant offers a new way of living to protect our Earth.

Lower environment impact of R32

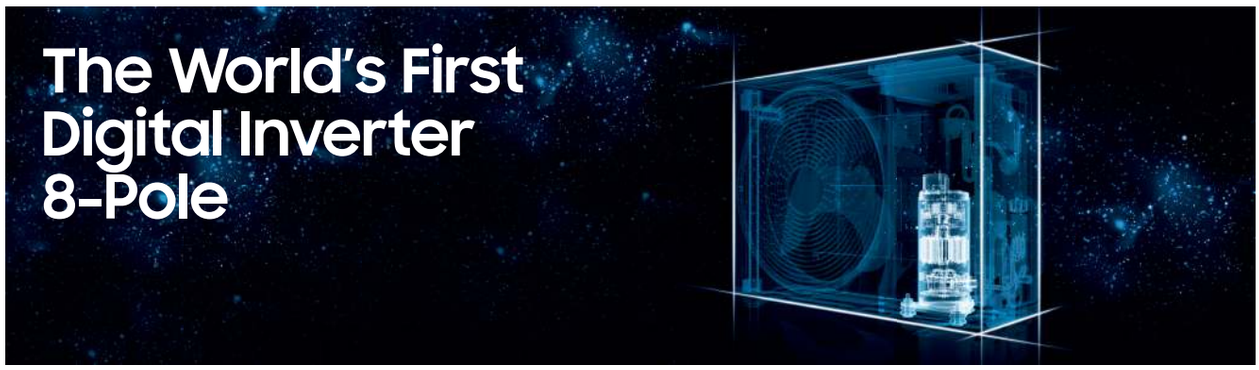
1. Lower Global Warming Potential (GWP) of 675 – just 32% of R410A refrigerant
2. Easy to recycle
3. Zero Ozone Depletion Potential (ODP)
4. Non-toxic

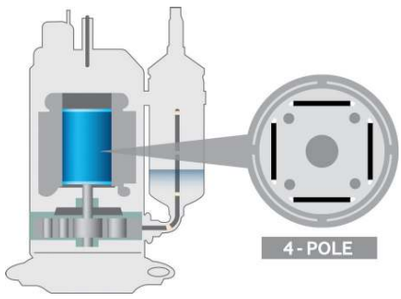


Refrigerants currently used in industrialised countries

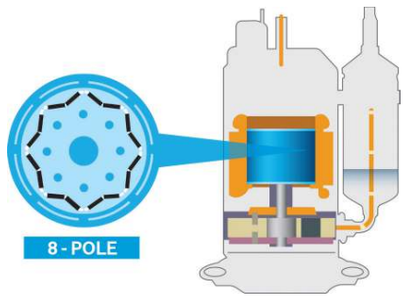
Next-generation refrigerants

The World's First Digital Inverter 8-Pole





Conventional digital inverter

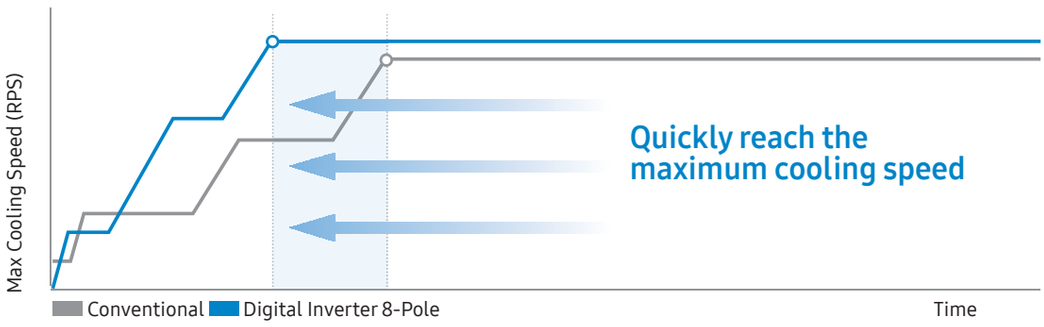


Digital Inverter 8-Pole

The newly introduced 8-pole inverter is the core technology of Samsung's advanced Digital Inverter Technology. It utilises the world's first 8-pole motor instead of a 4-pole motor in the compressor of an outdoor unit, so there is less torque fluctuation. This ensures a more effective and efficient operation with less vibration and also reduces energy consumption.

* Based on internal testing of compressor motors of Samsung air conditioner and leading air conditioners in the global market as at October 2015.

POWERboost Technology™ with Digital Inverter 8-Pole



POWERboost Technology™ with Digital Inverter 8-Pole dramatically shortens the time that it takes for a compressor to reach the maximum Hz when it starts operating*. So you can enjoy coolness even faster!

* Tested on model AR12KSWDHWK compared with Samsung conventional model AR12FSSSBWK.

Comfortably cool.
Surprisingly calm.



GOODBYE COLD DRAFTS,
HELLO SAMSUNG WIND-FREE™.

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

Wind-Free™

What is the Wind-Free™ Cooling technology?

Wind-Free™ Cooling* effectively maintains a comfortable level of coolness without the unpleasant feeling of cold draft. Cool air is gently dispersed through 21,000 micro air holes, so you do not feel too hot or cold.

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



Firstly, the Wind-Free™ air conditioner cools the room with its Normal Cooling mode. When it reaches the desired temperature, you can change the mode to Wind-Free™ Cooling.



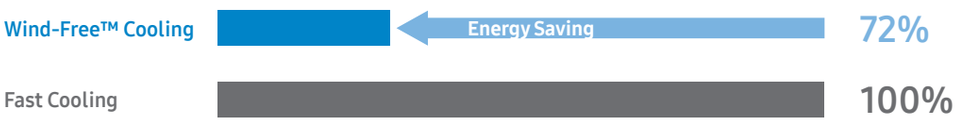
With Wind-Free™ Cooling, cool air is gently dispersed across the room through 21,000 micro air holes. It creates a 'still air' environment with a very low air speed of just 0.15m/s and no temperature fluctuation – so there are no annoying drafts and you do not feel too cold, just really comfortable.

Keep comfortable without changing settings

The Samsung Wind-Free™ air conditioner's 2-Step Cooling mode cools the air fast in Fast Cooling mode, then automatically changes to Wind-Free™ Cooling mode to maintain the temperature. So you stay comfortable, without cold spots, and do not need to change settings.

Energy saving

The Wind-Free™ Cooling mode consumes 72% less energy* than Fast Cooling mode. With Wind-Free™ Cooling, the compressor operates at its minimum Hz to maintain the desired temperature, and the fan motor of the indoor also rotates at the minimum RPM. So, you can stay comfortably cool without worrying about electricity bills.



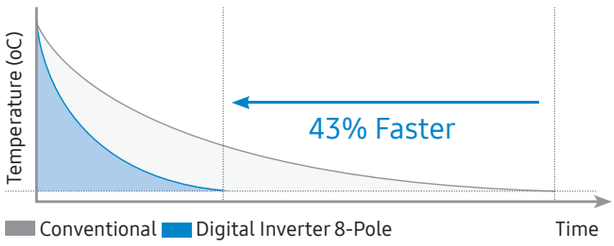
* Tested on AR07M5170HA, based on the accumulated power consumption of Fast Cooling mode vs. Wind-Free™ Cooling mode. When compared to Normal Cooling mode, Wind-Free™ Cooling mode consumes 55% less energy.

Cooling & Heating

Cools you down even faster

Fast cooling is the ultimate benefit of the Samsung air conditioners, and this is clearly the most important strength across the range of models. The cooling speed is significantly enhanced through the use of the world's first Digital Inverter 8-Pole technology.

* Tested on AR12KSWDHWK, compared with Samsung Conventional model AR12EASER.



Triangle Design for powerful cooling performance

The Samsung air conditioner has been designed from the ground up to be outstandingly efficient. Its unique design has a wider inlet, so more air can be drawn in. The improved width and angle of its outlet, extra v-blades and a bigger fan also ensure that air is cooled and expelled faster, farther and wider*. So refreshingly cool air reaches every corner of your room.

*Tested on AR09KSWDHWK compared with Samsung conventional model AQV09TWS.



Cools farther and wider

The outlet angle is different compared to conventional models, enabling a long airflow of 14 meters.* The improved width and angle of its outlet also ensure that air is expelled wider, minimising blind spots.

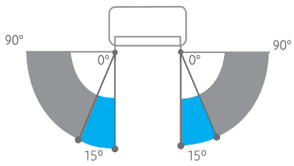
*Tested on AR09KSWDHWK compared with Samsung conventional model AQV09TWS.



Conventional 58˚Angle

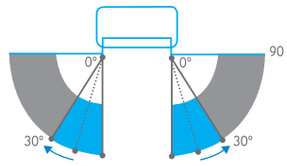


Samsung Triangle 81˚Angle





Conventional





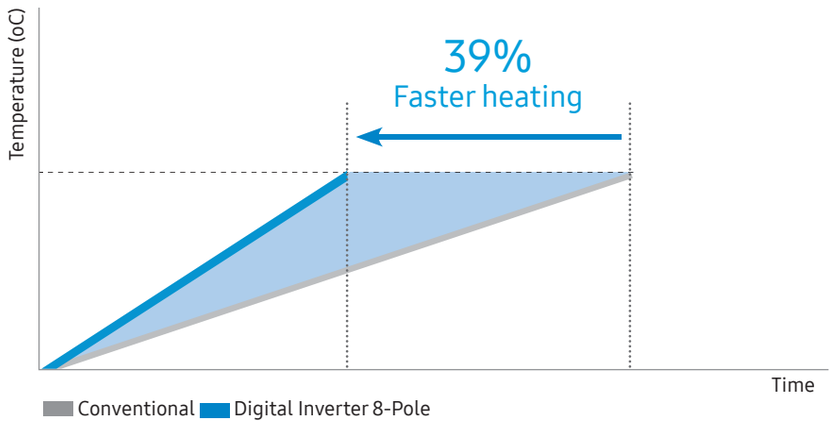
Samsung Triangle

Excellent heating performance even at -25°C

The outdoor unit is equipped with a base heater that prevents it from becoming frozen, and also has a drain hole to improve drainage of any melted water. So, even at -25°C, it continues working well in heating mode without freezing.

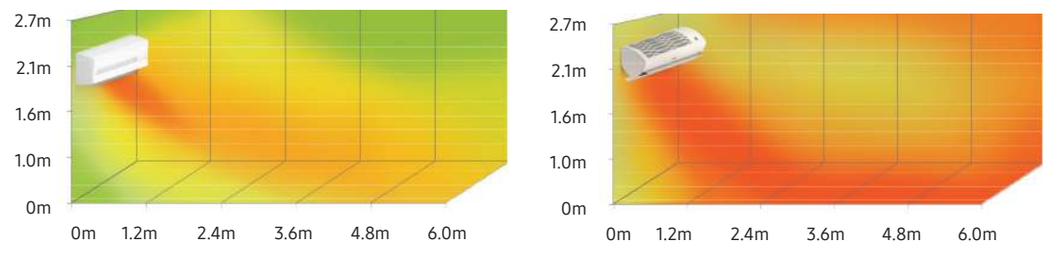
Heats faster

Fast heating mode quickly distributes warm air to every corner of your room, Thanks to the unique triangular design, it heats areas quickly, reaching desired temperatures faster than conventional models.



* Tested on AR09KSWDHWK compared with Samsung conventional model AQV09TWS.

Heat efficiency comparison



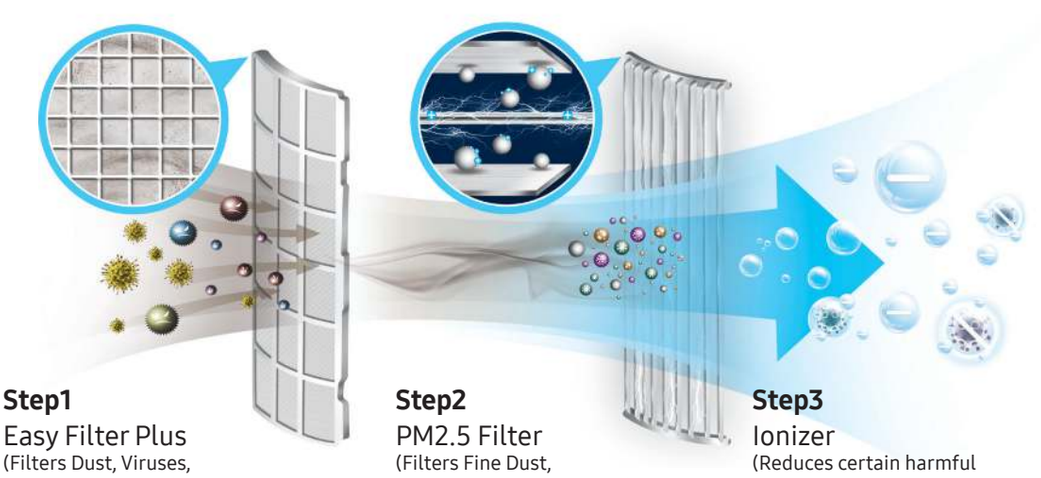
Conventional

Samsung Triangle

* Tested on AR09HSSDHWK/CV compared with Samsung conventional model AQ09UWBNSAM.

Air Purification





Step1
Easy Filter Plus
(Filters Dust, Viruses, Allergens, Bacteria)

Step2
PM2.5 Filter
(Filters Fine Dust, Cigarette Smoke, Bacteria)

Step3
Ionizer
(Reduces certain harmful Viruses, Bacteria, Mold and Airborne Allergens)

Ultra Wide PM2.5 Filter

Samsung air conditioners feature a wide filter that covers 100% of the air inlet hole. Unlike conventional models that only have partial filters, Samsung Air Conditioner's PM2.5 Filter completely filters all of the air coming in, so it captures fine dust more effectively and emits clean air.



Conventional



Samsung Triangle

* Tested on AR10KVSSLWK models compared with AS-1267.

Easy Filter Plus – Filters airborne contaminants and allergens

Samsung air conditioner has a superior filter mesh that keeps your air fresh and the unit clean. It covers 100% of the air inlet hole and is coated with a unique anti-bacterial and anti-virus material.

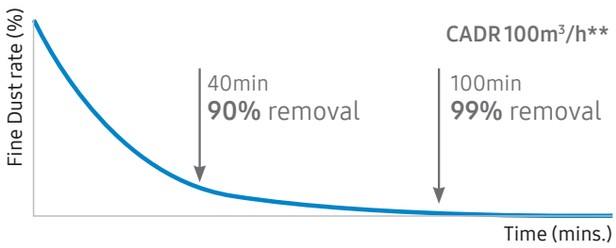
* Tested on TG07 ZEOMIC compared with TG07. Tested by FITI for Staphylococcus aureus, Klebsiella pneumoniae and Aspergillus niger. Tested by Japan Food Research Laboratories for H5N1. Tested by Institute of Tokyo Environmental Allergy for Cry J1, Derf1.
** Filter name may vary based on the model & region. (Easy filter, Easy filter Plus, 3 Care filter)

PM2.5 Filter – Captures up to 99% of fine dust

PM2.5 Filter which covers the whole air suction area, has an electrostatic charger to give fine dust a positive charge, so it is strongly attracted to the negative alloy plate.

A PM2.5 Filter keeps your air clean by capturing 90% of fine dust in 40 minutes and 99% in 100 minutes. It covers 100% of the air inlet hole and is also washable, so it's easy and cost-effective to maintain.

** Tested by China household appliances detection. Based on AR13KVSSLWKST.
* Size of chamber: 30m3

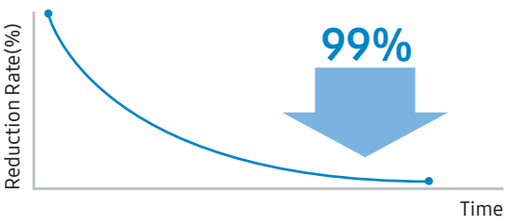


Samsung Super Plasma ion (SPi) – Reduces up to 99% of viruses

SPi reduces up to 99% of certain harmful viruses, bacteria, mold and airborne allergens*.

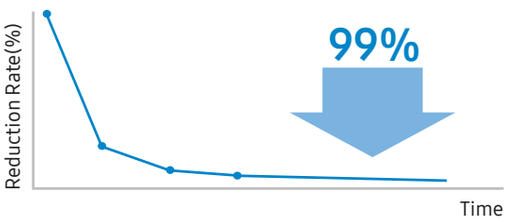
* Based on ionizer device, Tested in Kitasato Environmental Science Center (Japan) & Chungnam National University (Korea)
Data has been measured under specific testing conditions and may vary based on environmental factors. (Size of chamber: 500cc~1m3, Device only, Measurement time 60~300min)

Influenza subtype A H1N1 Reduction Test



* Research carried out by: Professor Seo Seng-hui of Chungnam National University (Developed the world's first H1N1 vaccine for the human body)
* Test Sample: Device only
* Size of chamber: 500cc
* Subtype A H1N1, A/California/04/09

MRSA (Antibiotic-resistant bacterium)
Ionizer reduces 99% of MRSA, which is resistant to antibiotics



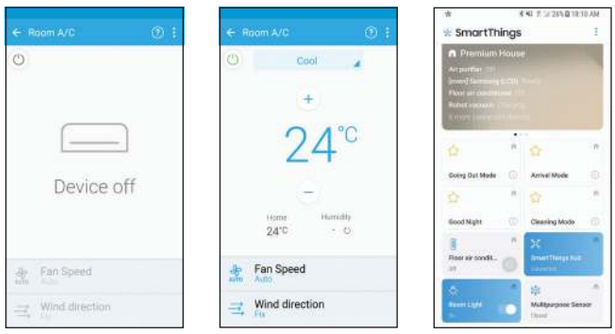
* Testing Institute: Kitsato Environmental Science Center
* Measurement time: 2 hours
* Test sample: Device only
* Size of chamber: 1m²
* MRSA(Staphylococcus aureus ATCC 33591)

Smart Functions

Samsung Connect becomes SamsungSmartThings

Samsung air conditioners offer Wi-Fi control using the Samsung SmartThings App on your smartphone, which lets you remotely turn it on and off, control the functions and schedule its operation at anytime and anywhere.*

*Available on iPhones and Android devices. A network connection is required. Samsung application account is necessary.



Enjoy smart home with an app

The Samsung SmartThings App also lets you centrally control all your Samsung smart devices. You can easily check the list of connected device, name and status with the app.

* Available on iPhones and Android devices. A network connection is required. Samsung application account is necessary.
** Some features may not be available depending on model. UI design and Application name can be updated.

SmartThings

Energy consumption monitoring

You can check the amount of electricity consumed daily, weekly or monthly with Home Care Wizard. You can also limit the power consumption to ensure maximum energy efficiency.

* Available on iPhones and Android devices. A network connection is required. Samsung application account is necessary.
** Based on rated wattage when operating. The usage shown on a Samsung SmartThings APP may slightly differ from the amount of electricity actually consumed.


SAMSUNG

Specifications

Wind-Free™ Ultra

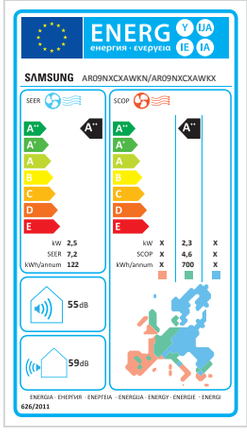
- Wind-Free™ Cooling
- PM2.5 Filter
- Ionizer (SPi)
- Wi-Fi Control - Samsung SmartThings



				AR09NXCXAWKNEU	AR12NXCXAWKNEU
Model	Indoor Unit				
	Outdoor Unit			AR09NXCXAWKXEU	AR12NXCXAWKXEU
Power Supply			Φ, V, Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Performance	Capacity	Cooling	kW	2,50	3,50
		Heating		3,20	4,00
Energy Efficiency	EER (Cooling)		-	4,31	3,68
	Pdesignc		kW	2,50	3,50
	COP (Heating)		-	4,10	3,74
	Pdesignh		kW	2,30	2,40
	SEER (Cooling)		-	7,20	6,80
	Ratio		-	A++	A++
	Indicative Annual Energy Consumption (QCE)		kWh/a	122,00	180,00
	SCOP (Heating)		-	4,60	4,60
	Ratio		-	A++	A++
	Indicative Annual Energy Consumption (QHE)		kWh/a	700	730
Fan	Type		-	Cross flow Fan	Cross flow Fan
	Quantity		EA	1	1
	Airflow Rate	Max.	m^3/min	9,9	10,6
			l/s	165	177
Fan Motor	Type		-	BLDC Motor	BLDC Motor
	Output x n		W	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Φ, mm	6,35	6,35
			Φ, inch	1/4"	1/4"
	Gas Pipe		Φ, mm	9,52	9,52
			Φ, inch	3/8"	3/8"
	Drain Pipe		Φ,mm	ID18mm Hose	ID18mm Hose
Wiring connections	For Power Supply	Min.	mm^2	1,5	1,5
	For Connection with Indoor	Min.	mm^2	0,75	0,75
		Remark	-	F1/F2	F1/F2
Refrigerant	Type		-	R32	R32
	GWP: Global Warming Potential		-	675	675
	Factory Charging		kg	0,85	0,85
	CO_2 Value		tCO_2	0,58	0,58
Sound	Sound Pressure Level	H/L	dB(A)	38/16	40/16
	Sound Power	Cooling	dB(A)	56	58
Dimensions	Net Weight	Indoor	kg	11,3	11,3
		Outdoor		33,2	33,2
	Net Dimensions (W×H×D)	Indoor	mm	828 x 295 x 265	828 x 295 x 265
		Outdoor		790 x 548 x 285	790 x 548 x 285
Additional Accessories	Air Filter		-	PM2.5 Filter	PM2.5 Filter
	SPi Ionizer		-	Yes	Yes

Accessory
Included

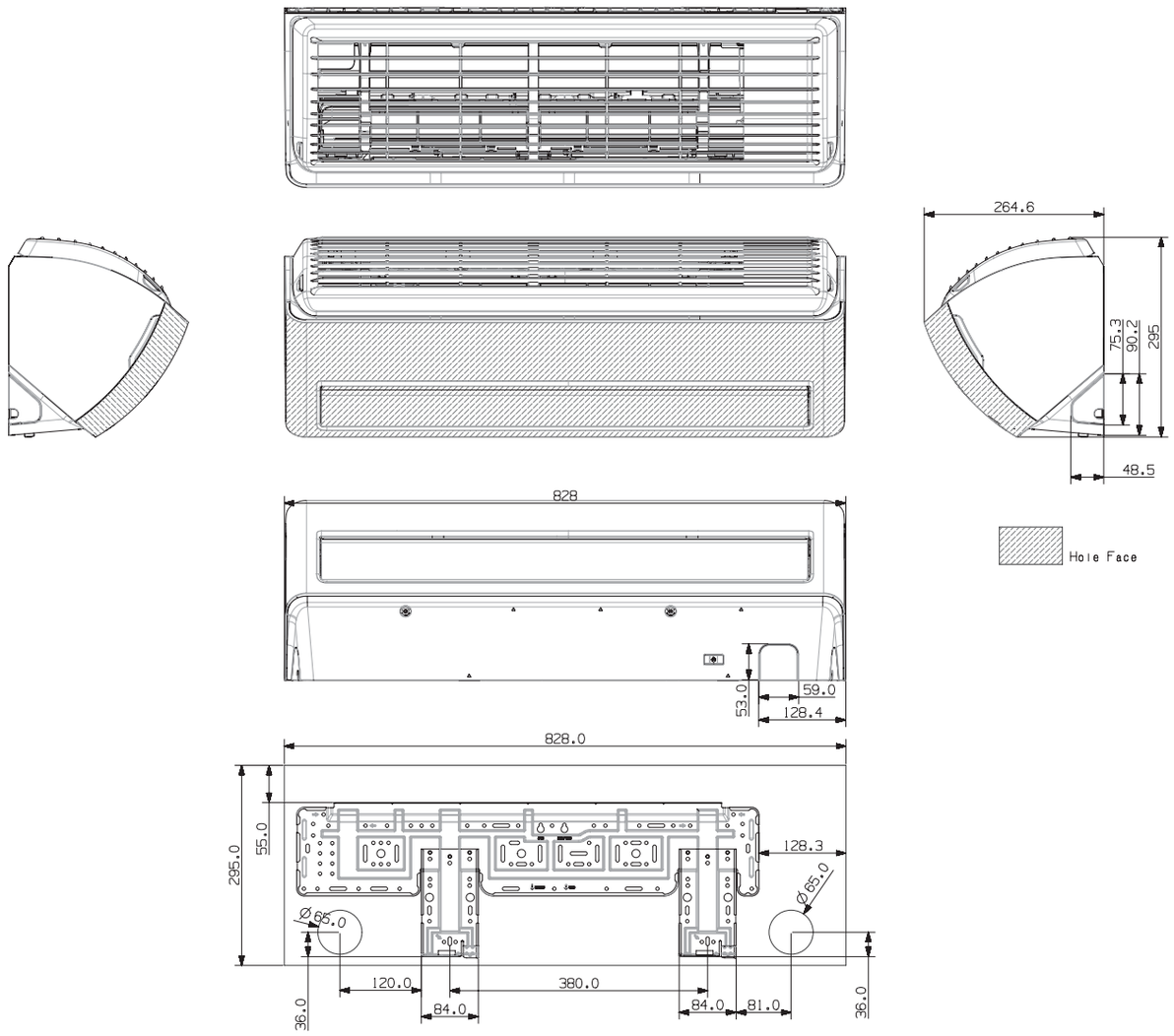
Wireless Remote Controller



Dimensional Drawings

Wind-Free™ Ultra

AR**NXCXAWKNEU



Specifications

Wind-Free™ Optimum

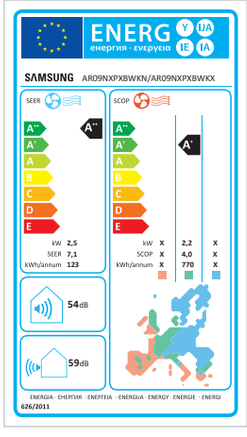
- Wind-Free™ Cooling
- Ionizer (SPi)
- Easy Filter Plus
- Wi-Fi Control - Samsung SmartThings



Model	**Indoor Unit**			**AR09NXPXBWKNEU**	**AR12NXPXBWKNEU**	**AR18NSPXBWKNEU**	**AR24NSPXBWKNEU**
	Outdoor Unit			**AR09NXPXBWKXEU**	**AR12NXPXBWKXEU**	**AR18NSPXBWKXEU**	**AR24NSPXBWKXEU**
Power Supply			**Φ, V, Hz**	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Performance	**Capacity**	**Cooling**	**kW**	2,50	3,50	5,00	6,50
		Heating		3,20	3,50	6,00	7,40
Energy Efficiency	**EER (Cooling)**		**-**	4,17	3,57	3,45	2,85
	Pdesignc		**kW**	2,50	3,50	5,00	6,50
	COP (Heating)		**-**	3,76	3,72	3,43	2,85
	Pdesignh		**kW**	2,20	2,20	3,80	4,10
	SEER (Cooling)		**-**	7,10	6,50	6,10	6,10
	Ratio		**-**	A++	A++	A++	A++
	Indicative Annual Energy Consumption (QCE)		**kWh/a**	123,00	188,00	287,00	373,00
	SCOP (Heating)		**-**	4,00	4,00	3,80	3,80
	Ratio		**-**	A+	A+	A	A
	Indicative Annual Energy Consumption (QHE)		**kWh/a**	770	770	1400	1511
Fan	**Type**		**-**	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
	Quantity		**EA**	1	1	1	1
	Airflow Rate	**Max.**	**m³/min**	9,3	10	15,9	17,2
			l/s	155	167	265	287
Fan Motor	**Type**		**-**	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		**W**	27 x 1	27 x 1	27 x 1	27 x 1
Piping Connections	**Liquid Pipe**		**Φ, mm**	6,35	6,35	6,35	6,35
			Φ, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		**Φ, mm**	9,52	9,52	12,7	15,88
			Φ, inch	3/8"	3/8"	1/2"	5/8"
	Drain Pipe		**Φ,mm**	ID18mm Hose	ID18mm Hose	ID18mm Hose	ID18mm Hose
Wiring connections	**For Power Supply**	**Min.**	**mm²**	1,5	1,5	1,5	1,5
	For Connection with Indoor	**Min.**	**mm²**	0,75	0,75	0,75	0,75
		Remark	**-**	F1/F2	F1/F2	F1/F2	F1/F2
Refrigerant	**Type**		**-**	R32	R32	R410A	R410A
	GWP: Global Warming Potential		**-**	675	675	2088	2088
	Factory Charging		**kg**	0,75	0,75	1,30	1,45
	CO_2 Value		**tCO_2**	0,51	0,51	2,71	3,03
Sound	**Sound Pressure Level**	**H/L**	**dB(A)**	37 / 19	38 / 19	41 / 25	45 / 26
	Sound Power	**Cooling**	**dB(A)**	54	56	58	62
Dimensions	**Net Weight**	**Indoor**	**kg**	9,4	9,4	13,2	13,4
		Outdoor		27,6	27,6	40,2	44,2
	Net Dimensions (W×H×D)	**Indoor**	**mm**	828 x 267 x 265	828 x 267 x 265	1065 x 301 x 311	1065 x 301 x 311
		Outdoor		720 x 548 x 265	720 x 548 x 265	880 x 638 x 310	880 x 638 x 310
Additional Accessories	**Air Filter**		**-**	Easy Filter +	Easy Filter +	Easy Filter +	Easy Filter +
	SPi Ionizer		**-**	Yes	Yes	Yes	Yes

Accessory
Included

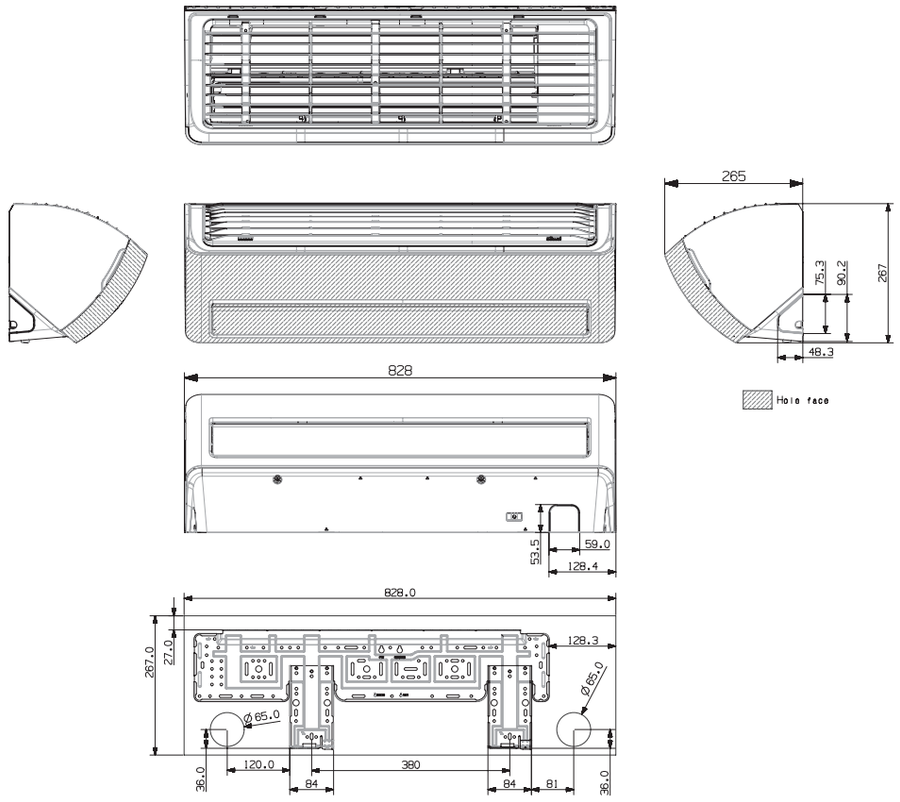
Wireless Remote Controller



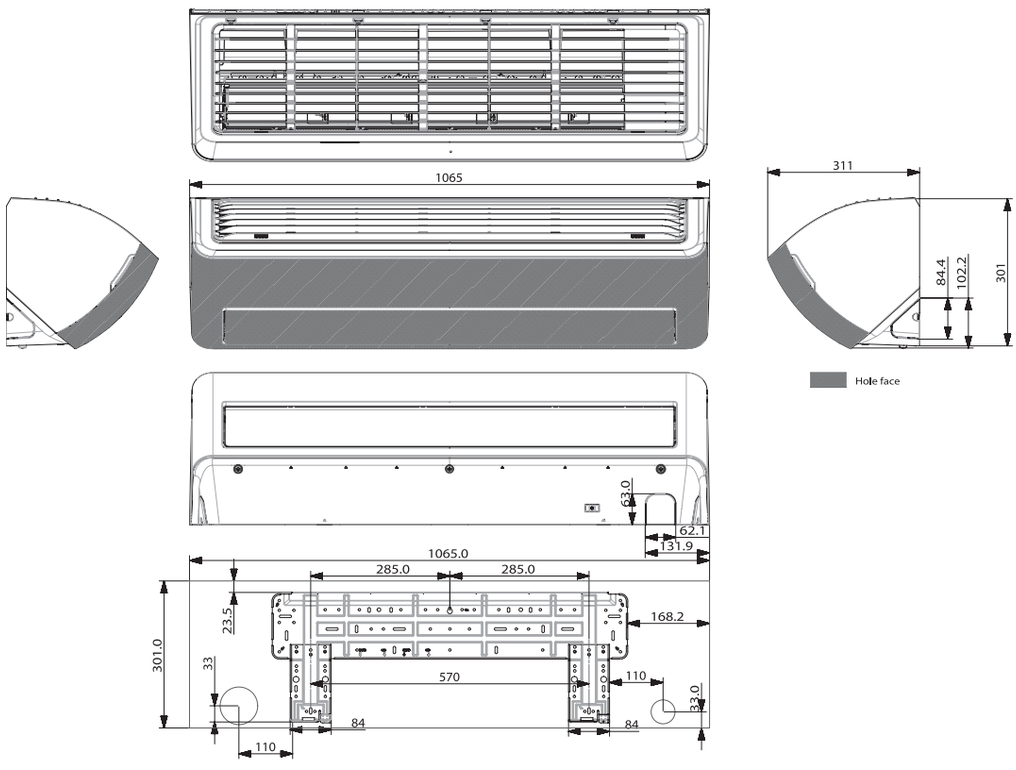
Dimensional Drawings

Wind-Free™ Optimum

AR**NXPXBWKNEU



AR**NSPXBWKNEU



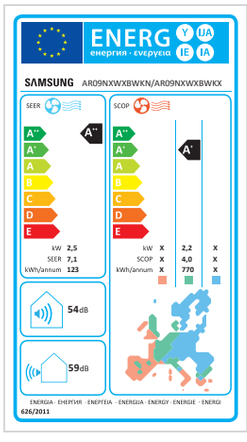
Specifications
Wind-Free™ Essential

- Wind-Free™ Cooling
- Easy Filter Plus
- Wi-Fi Control - Samsung SmartThings



Model	Indoor Unit			AR09NXWXBWKNEU	AR12NXWXBWKNEU	AR18NSWXBWKNEU	AR24NSWXBWKNEU
	Outdoor Unit			AR09NXWXBWKXEU	AR12NXWXBWKXEU	AR18NSWXBWKXEU	AR24NSWXBWKXEU
Power Supply			Φ, V, Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Performance	Capacity	Cooling	kW	2,50	3,50	5,00	6,50
		Heating		3,20	3,50	6,00	7,40
Energy Efficiency	EER (Cooling)		-	4,17	3,57	3,45	2,85
	Pdesignc		kW	2,50	3,50	5,00	6,50
	COP (Heating)		-	3,76	3,72	3,43	2,85
	Pdesignh		kW	2,10	2,20	3,80	4,10
	SEER (Cooling)		-	7,10	6,50	6,10	6,10
	Ratio		-	A++	A++	A++	A++
	Indicative Annual Energy Consumption (QCE)		kWh/a	123,00	188,00	287,00	373,00
	SCOP (Heating)		-	4,00	4,00	3,80	3,80
	Ratio		-	A+	A+	A	A
	Indicative Annual Energy Consumption (QHE)		kWh/a	770,00	770,00	1400,00	1511,00
Fan	Type		-	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
	Quantity		EA	1	1	1	1
	Airflow Rate	Max.	m^3/min	9,3	10	16	17,2
			l/s	155	167	267	287
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W	27 x 1	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Φ, mm	6,35	6,35	6,35	6,35
			Φ, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Φ, mm	9,52	9,52	12,7	15,88
			Φ, inch	3/8"	3/8"	1/2"	5/8"
	Drain Pipe		Φ,mm	ID18mm Hose	ID18mm Hose	ID18mm Hose	ID18mm Hose
Wiring connections	For Power Supply	Min.	mm^2	1,5	1,5	1,5	1,5
	For Connection with Indoor	Min.	mm^2	0,75	0,75	0,75	0,75
		Remark	-	F1/F2	F1/F2	F1/F2	F1/F2
Refrigerant	Type		-	R32	R32	R410A	R410A
	GWP: Global Warming Potential		-	675	675	2088	2088
	Factory Charging		kg	0,75	0,75	1,3	1,45
	CO_2 Value		tCO_2	0,51	0,51	2,71	3,03
Sound	Sound Pressure Level	H/L	dB(A)	37 / 19	38 / 19	41 / 25	45 / 26
	Sound Power	Cooling	dB(A)	54	56	58	62
Dimensions	Net Weight	Indoor	kg	9,4	9,4	13,2	13,4
		Outdoor		27,6	27,6	40,2	44,2
	Net Dimensions (W×H×D)	Indoor	mm	828 x 267 x 265	828 x 267 x 265	1065 x 301 x 311	1065 x 301 x 311
		Outdoor		720 x 548 x 265	720 x 548 x 265	880 x 638 x 310	880 x 638 x 310
Additional Accessories	Air Filter		-	Easy Filter +	Easy Filter +	Easy Filter +	Easy Filter +
	SPi Ionizer		-	No	No	No	No

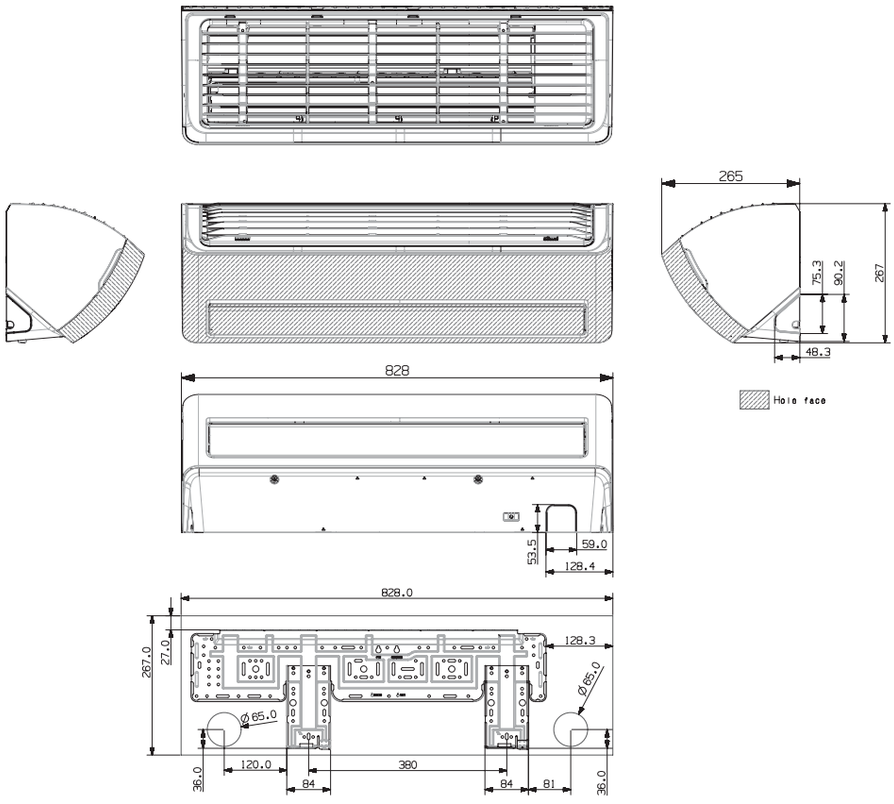
Accessory
Included
 Wireless Remote Controller



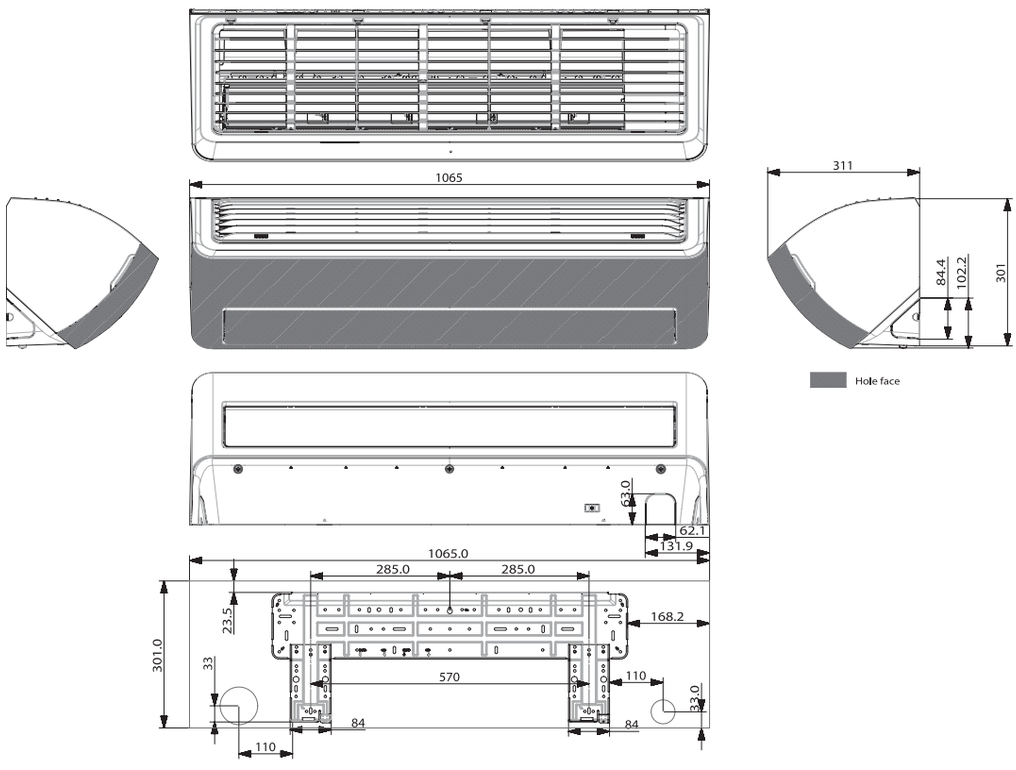
Dimensional Drawings

Wind-Free™ Essential

AR**NXWXBWKNEU



AR**NSWXBWKNEU



Specifications
Wind-Free™ Standard

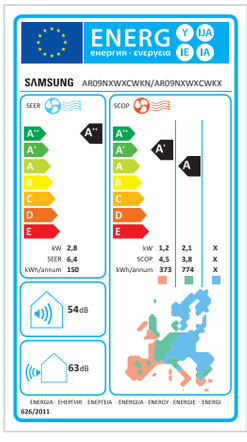
- Wind-Free™ Cooling
- Easy Filter Plus
- Wi-Fi Control - Samsung SmartThings



Model	**Indoor Unit**			**AR09NXWXCWKNEU**	**AR12NXWXCWKNEU**	**AR18NSWXCWKNEU**	**AR24NSWXCWKNEU**
	Outdoor Unit			**AR09NXWXCWKXEU**	**AR12NXWXCWKXEU**	**AR18NSWXCWKXEU**	**AR24NSWXCWKXEU**
Power Supply			**Φ, V, Hz**	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Performance	**Capacity**	**Cooling**	**kW**	2,75	3,50	5,00	6,50
		Heating		3,20	3,50	6,00	7,40
Energy Efficiency	**EER (Cooling)**		**-**	3,35	2,87	3,45	2,85
	Pdesignc		**kW**	2,80	3,50	5,00	6,50
	COP (Heating)		**-**	3,81	3,68	3,43	2,85
	Pdesignh		**kW**	2,10	2,20	3,80	4,10
	SEER (Cooling)		**-**	6,40	6,10	6,10	6,10
	Ratio		**-**	A++	A++	A++	A++
	Indicative Annual Energy Consumption (QCE)		**kWh/a**	150,00	201,00	287,00	373,00
	SCOP (Heating)		**-**	3,80	3,80	3,80	3,80
	Ratio		**-**	A	A	A	A
	Indicative Annual Energy Consumption (QHE)		**kWh/a**	774,00	811,00	1400,00	1511,00
Fan	**Type**		**-**	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
	Quantity		**EA**	1	1	1	1
	Airflow Rate	**Max.**	**m³/min**	9,3	10,8	16	17,2
			l/s	155	180	267	287
Fan Motor	**Type**		**-**	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		**W**	27 x 1	27 x 1	27 x 1	27 x 1
Piping Connections	**Liquid Pipe**		**Φ, mm**	6,35	6,35	6,35	6,35
			Φ, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		**Φ, mm**	9,52	9,52	12,7	15,88
			Φ, inch	3/8"	3/8"	1/2"	5/8"
	Drain Pipe		**Φ,mm**	ID18mm Hose	ID18mm Hose	ID18mm Hose	ID18mm Hose
Wiring connections	**For Power Supply**	**Min.**	**mm²**	1,5	1,5	1,5	1,5
	For Connection with Indoor	**Min.**	**mm²**	0,75	0,75	0,75	0,75
		Remark	**-**	F1/F2	F1/F2	F1/F2	F1/F2
Refrigerant	**Type**		**-**	R32	R32	R410A	R410A
	GWP: Global Warming Potential		**-**	675	675	2088	2088
	Factory Charging		**kg**	0,70	0,70	1,30	1,45
	CO_2 Value		**tCO_2**	0,47	0,47	2,71	3,03
Sound	**Sound Pressure Level**	**H/L**	**dB(A)**	37 / 19	40 / 19	41 / 25	45 / 26
	Sound Power	**Cooling**	**dB(A)**	54	59	58	62
Dimensions	**Net Weight**	**Indoor**	**kg**	9,4	9,4	13,2	13,4
		Outdoor		22,8	22,8	40,2	44,2
	Net Dimensions (W×H×D)	**Indoor**	**mm**	828 x 267 x 265	828 x 267 x 265	1065 x 301 x 311	1065 x 301 x 311
		Outdoor		660 x 475 x 242	660 x 475 x 242	880 x 638 x 310	880 x 638 x 310
Additional Accessories	**Air Filter**		**-**	Easy Filter +	Easy Filter +	Easy Filter +	Easy Filter +
	SPi Ionizer		**-**	No	No	No	No

Accessory
Included

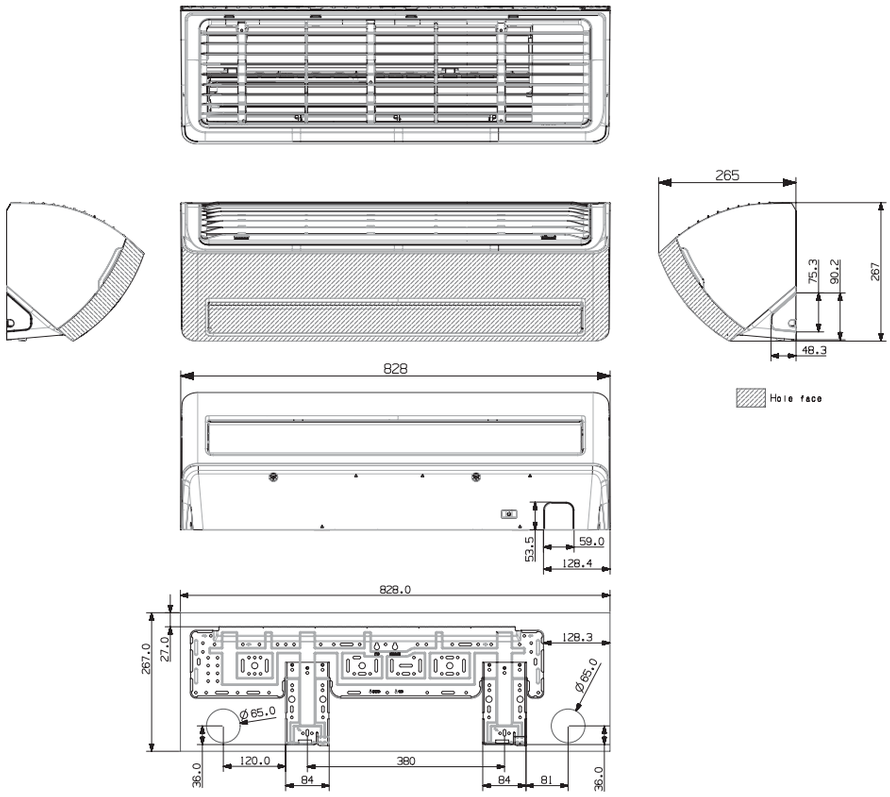
Wireless Remote Controller



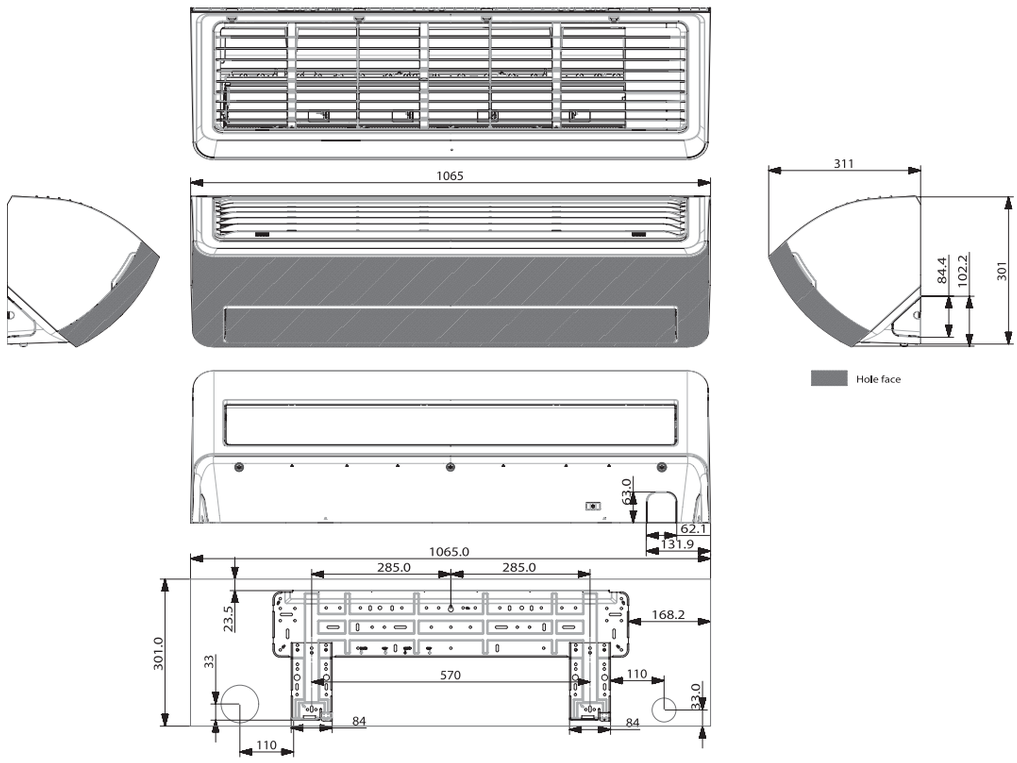
Dimensional Drawings

Wind-Free™ Standard

AR**NXWXCWKNEU



AR**NSWXCWKNEU



Specifications

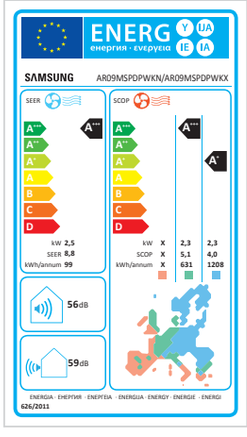
Nordic Range AR7000



Model Code	Indoor Unit		AR09MSPDPWKNEE	AR12MSPDPWKNEE
	Outdoor Unit		AR09MSPDPWKXEE	AR12MSPDPWKXEE
	Power Source	Φ / V / Hz	1, 220~240~, 50	1, 220~240~, 50
Capacity	Capacity (Cooling, kW)	kW	2,50	3,50
	Capacity (Heating, kW)	kW	3,20	4,00
	Capacity (Cooling, Min - Max, kW)	kW	0.9 ~ 3.3	0.9 ~ 4.0
	Capacity (Heating, Min - Max, kW)	kW	0.8 ~ 6.5	0.8 ~ 7.0
Energy Efficiency	SEER(W/W, Energy Label)	W/W	8,8	8,5
	SCOP(W/W, Energy Label)	W/W	5,1	4,8
	Energy Efficiency Class for cooling (Grade)	-	A+++	A+++
	Energy Efficiency Class for heating in 'Average' heating season (Grade)	-	A+++	A++
	Energy Efficiency Class for heating in 'Colder' heating season (W/W)	W/W	4	4
Noise Level	Sound Power Level(Indoor, Cooling, dBA)	dBA	56	58
	Sound Power Level(Outdoor, Cooling, dBA)	dBA	59	62
	Noise Level (Indoor, High/Low, dBA)	dBA	38/17	40/17
	Noise Level (Outdoor, High/Low, dBA)	dBA	44	45
Electrical Data	Power Consumption(Cooling, W)	W	540	900
	Power Consumption(Heating, W)	W	675	940
	Operating Current(Cooling, A)	A	2,9	4,1
	Operating Current(Heating, A)	A	3,2	4,4
External Dimensions	Net Dimension (Indoor, WxHxD)	mm	896 x 261 x 261	896 x 261 x 261
	Net Dimension (Outdoor, WxHxD)	mm	790 x 548 x 285	790 x 548 x 285
	Net Weight (Indoor, kg)	kg	11,8	11,8
	Net Weight (Outdoor, kg)	kg	37	37
Technical Information	Piping Length (Max, m)	m	15	15
	Piping Height (Max, m)	m	8	8
	SVC Valve (Liquid (ODxL))	inch	6,35	6,35
	SVC Valve (Gas (ODxL))	inch	9,52	9,52
	Moisture Removal (l/hr)	l/hr	1	1,5
	Air Circulation (Cooling)	m³/min	10,2	10,9
	Refrigerant (Type)	-	R410A	R410A
	GWP	-	2088	2088
	Refrigerant (Charging, kg)	kg	1,4	1,4
	Refrigerant (Charging, tCO2e)	tCO2e	2,93	2,93
	Low Ambient (Cooling, °C)	°C	-15 ~ 46 °C	-15 ~ 46 °C
	Low Ambient (Heating, °C)	°C	-30 ~ 24 °C	-30 ~ 24 °C
Additional Accessories	Air Filter	-	Easy Filter Plus	Easy Filter Plus

Accessory
Included

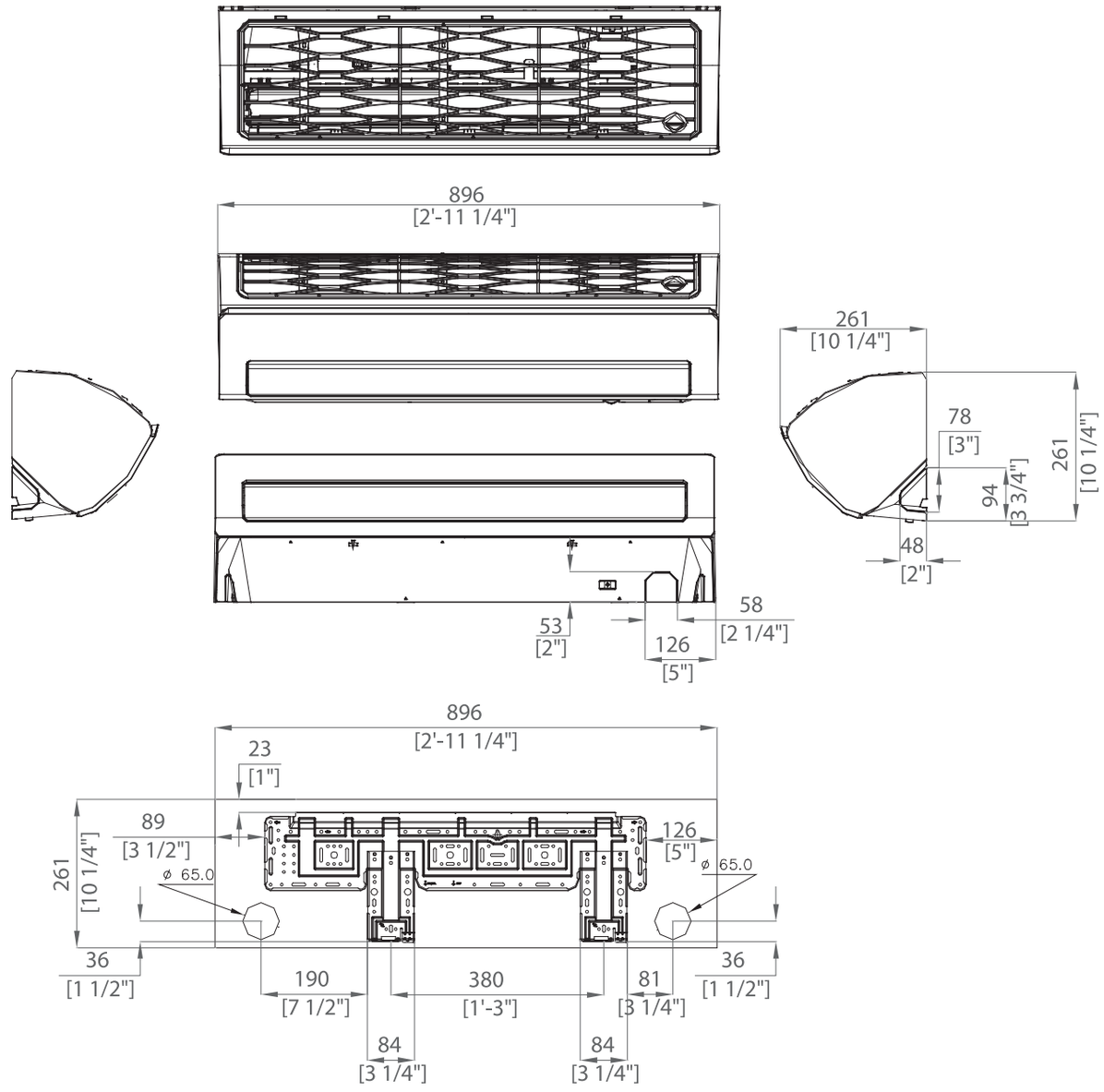
Wireless Remote Controller



Dimensional Drawings

Nordic Range AR7000

AR**MSPDPWKNEE



Specifications

AR5680

- Easy Filter Plus
- Wi-Fi Control - Samsung SmartThings
- Triangle Design

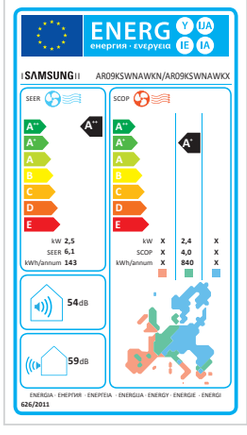


Model	Indoor Unit			AR09MSWNAWKNEU	AR12MSWNAWKNEU	AR18MSWNAWKNEU	AR24MSWNAWKNEU
	Outdoor Unit			AR09MSWSAWKXEU	AR12MSWSAWKXEU	AR18MSWSAWKXEU	AR24MSWSAWKXEU
Power Supply			Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Performance	Capacity	Cooling	kW	2,50	3,50	5,00	6,80
		Heating		3,20	3,80	6,00	7,80
Energy Efficiency	EER (Cooling)		-	3,73	3,30	3,45	3,01
	Pdesignc		kW	2,50	3,50	5,00	6,80
	COP (Heating)		-	3,72	3,73	3,43	3,12
	Pdesignh		kW	2,40	2,40	3,80	4,20
	SEER (Cooling)		-	6,10	6,10	6,10	6,10
	Ratio		-	A++	A++	A++	A++
	Indicative Annual Energy Consumption (QCE)		kWh/a	143,00	201,00	287,00	390,00
	SCOP (Heating)		-	4,00	4,00	3,80	3,80
	Ratio		-	A+	A+	A	A
	Indicative Annual Energy Consumption (QHE)		kWh/a	840,00	840,00	1400,00	1547,00
Fan	Type		-	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
	Quantity		EA	1	1	1	1
	Airflow Rate	Max.	m^3/min	11	12	19	21
			l/s	183	200	317	350
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W	27 x 1	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Φ, mm	6,35	6,35	6,35	6,35
			Φ, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Φ, mm	9,52	9,52	12,7	15,88
			Φ, inch	3/8"	3/8"	1/2"	5/8"
	Drain Pipe		Φ,mm	ID18mm Hose	ID18mm Hose	ID18mm Hose	ID18mm Hose
Wiring connections	For Power Supply	Min.	mm^2	1,5	1,5	1,5	1,5
	For Connection with Indoor	Min.	mm^2	0,75	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	GWP: Global Warming Potential		-	2088	2088	2088	2088
	Factory Charging		kg	0,95	0,95	1,30	1,50
	CO_2 Value		tCO_2	1,99	1,99	2,72	3,14
Sound	Sound Pressure Level	H/M/L	dB(A)	37 / 27 / 22	38 / 28 / 22	41 / 32 / 25	43 / 34 / 26
	Sound Power	Cooling	dB(A)	54	56	58	62
Dimensions	Net Weight	Indoor	kg	9,5	9,5	13,2	13,2
		Outdoor		27,6	27,6	40,2	44,2
	Net Dimensions (W×H×D)	Indoor	mm	826 x 261 x 261	826 x 261 x 261	1,065 x 301 x 294	1,065 x 301 x 294
		Outdoor		720 x 548 x 265	720 x 548 x 265	880 x 638 x 310	880 x 638 x 310
Additional Accessories	Air Filter		-	Easy Filter +	Easy Filter +	Easy Filter +	Easy Filter +

Accessory
Included



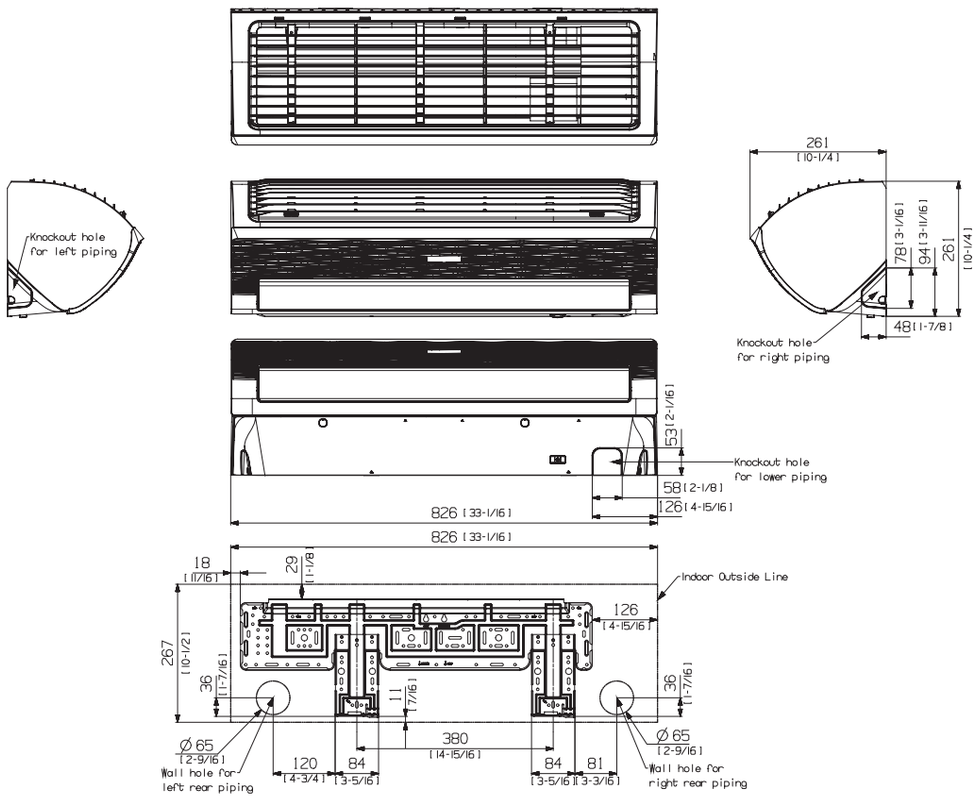
Wireless
Remote Controller



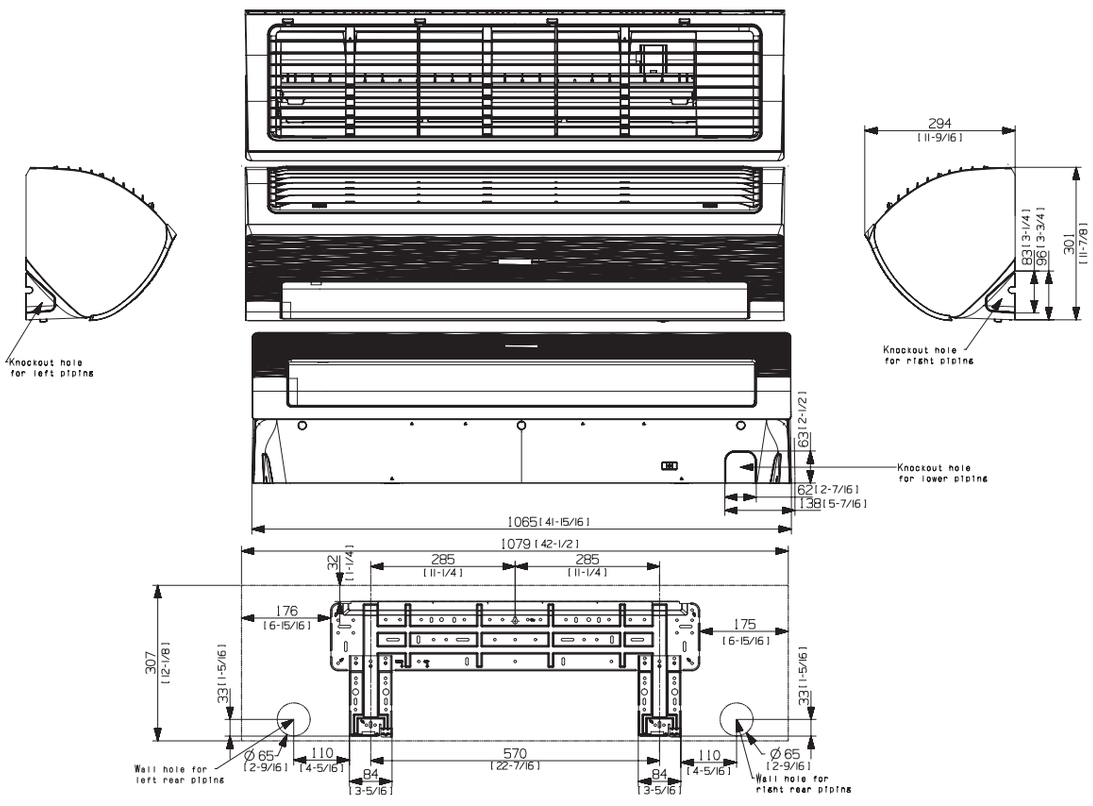
Dimensional Drawings

AR5680

AR5680: AR07/09/12*SWNAWKN**



AR5680: AR18/24*SWNAWKN**



Specifications

AR5580

- Easy Filter Plus
- Wi-Fi Control - Samsung SmartThings
- Triangle Design

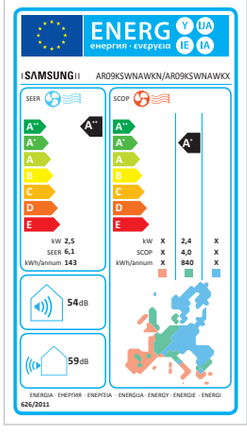


Model	Indoor Unit			AR09KSWSBWKNET	AR12KSWSBWKNET	AR18KSWSAWKNET	AR24KSWSAWKNET
	Outdoor Unit			AR09KSWSBWKXET	AR12KSWSBWKXET	AR18KSWSBWKXET	AR24KSWSBWKXET
Power Supply			Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Performance	Capacity	Cooling	kW	2,50	3,50	5,00	6,80
		Heating		3,20	3,80	6,00	7,80
Energy Efficiency	EER (Cooling)		-	3,73	3,30	3,45	3,01
	Pdesignc		kW	2,50	3,50	5,00	6,80
	COP (Heating)		-	3,72	3,73	3,61	3,12
	Pdesignh		kW	2,40	2,40	3,80	4,20
	SEER (Cooling)		-	6,10	6,10	6,10	6,10
	Ratio		-	A++	A++	A++	A++
	Indicative Annual Energy Consumption (QCE)		kWh/a	143,00	201,00	287,00	390,00
	SCOP (Heating)		-	4,00	4,00	3,80	3,80
	Ratio		-	A+	A+	A	A
	Indicative Annual Energy Consumption (QHE)		kWh/a	840,00	840,00	1400,00	1547,00
Fan	Type		-	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
	Quantity		EA	1	1	1	1
	Airflow Rate	Max.	m^3/min	11	12	19	21
			l/s	183	200	317	350
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W	27 x 1	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Φ, mm	6,35	6,35	6,35	6,35
			Φ, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Φ, mm	9,52	9,52	12,7	15,88
			Φ, inch	3/8"	3/8"	1/2"	5/8"
	Drain Pipe		Φ,mm	ID18mm Hose	ID18mm Hose	ID18mm Hose	ID18mm Hose
Wiring connections	For Power Supply	Min.	mm^2	1,5	1,5	1,5	1,5
	For Connection with Indoor	Min.	mm^2	0,75	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	GWP: Global Warming Potential		-	2088	2088	2088	2088
	Factory Charging		kg	0,95	0,95	1,15	1,45
	CO_2 Value		tCO_2	1,99	1,99	2,40	3,03
Sound	Sound Pressure Level	H/M/L	dB(A)	37 / 27 / 22	38 / 28 / 22	41 / 32 / 25	43 / 34 / 26
	Sound Power	Cooling	dB(A)	54	56	58	62
Dimensions	Net Weight	Indoor	kg	9,6	9,6	13,4	13,4
		Outdoor		27,6	27,6	40,2	44,2
	Net Dimensions (W×H×D)	Indoor	mm	826 x 261 x 261	826 x 261 x 261	1,065 x 301 x 294	1,065 x 301 x 294
		Outdoor		720 x 548 x 265	720 x 548 x 265	880 x 638 x 310	880 x 638 x 310
Additional Accessories	Air Filter		-	Easy Filter +	Easy Filter +	Easy Filter +	Easy Filter +

Accessory
Included



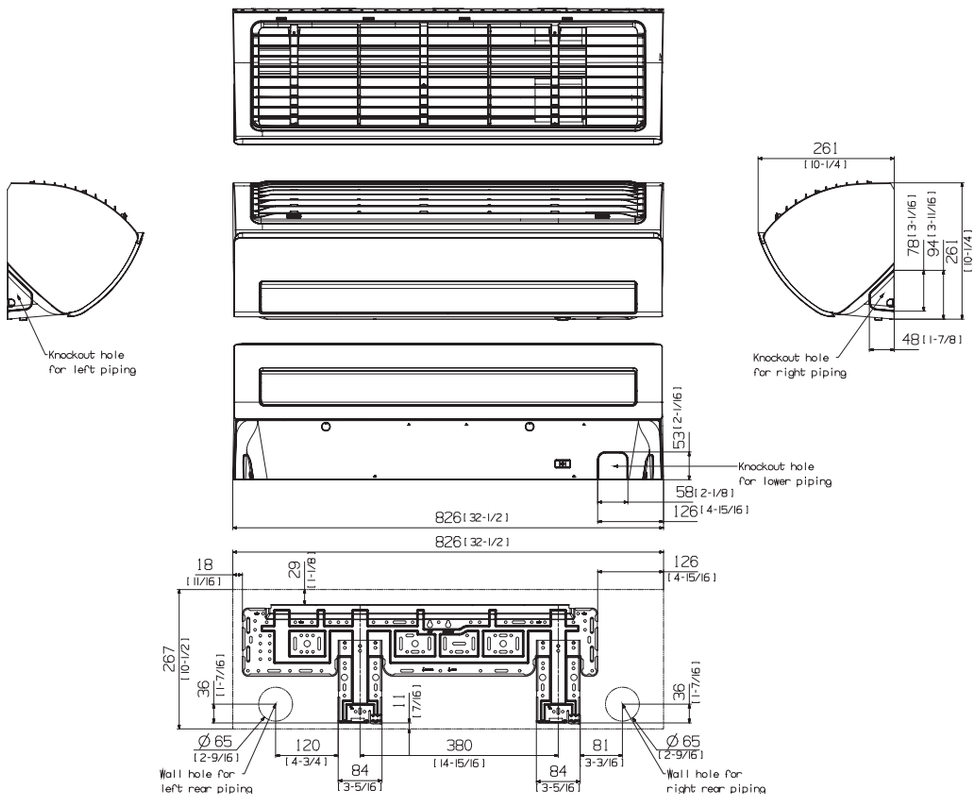
Wireless
Remote Controller



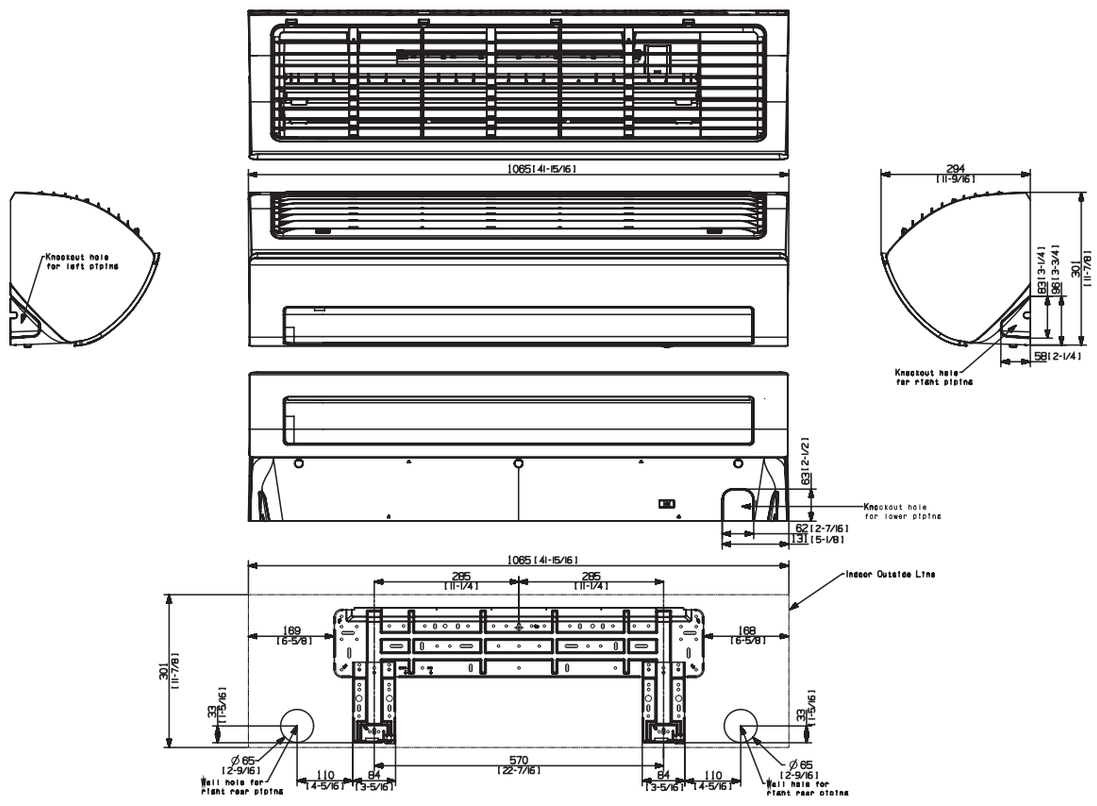
Dimensional Drawings

AR5580

AR5580: AR07/09/12*SWS***N**



AR5580: AR18/24*SWS***N**



Specifications

Nordic Range AR5580

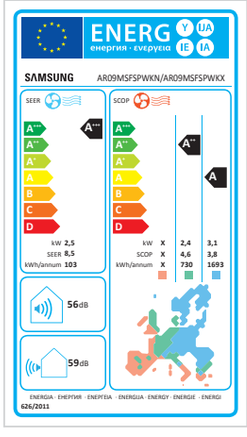
- Easy Filter Plus
- Wi-Fi Control - Samsung SmartThings
- Triangle Design



Model Code	Indoor Unit		AR09MSFSPWKNEE	AR12MSFSPWKNEE
	Outdoor Unit		AR09MSFSPWKXEE	AR12MSFSPWKXEE
	Power Source(Φ/V/Hz)	Φ / V / Hz	1, 220~240~, 50	1, 220~240~, 50
Capacity	Capacity (Cooling, kW)	kW	2,50	3,50
	Capacity (Heating, kW)	kW	3,20	4,00
	Capacity (Cooling, Min - Max, kW)	kW	0.99~3.3	1.3~4.2
	Capacity (Heating, Min - Max, kW)	kW	0.99~6.15	1.1~6.8
Energy Efficiency	EER (Cooling, W/W)	W/W	4,39	3,57
	COP (Heating, W/W)	W/W	4,32	3,83
	Energy Efficiency Class for cooling (Grade)	-	A+++	A++
	SEER(W/W, Energy Label)	W/W	8,5	6,5
	Energy Efficiency Class for heating in 'Average' heating season (Grade)	-	A++	A+
	SCOP(W/W, Energy Label)	W/W	4,6	4,4
	Energy Efficiency Class for heating in 'Colder' heating season (Grade)	-	A	A
	Energy Efficiency Class for heating in 'Colder' heating season (W/W)	W/W	3,8	3,4
Noise Level	Sound Power Level(Indoor, Cooling, dBA)	dBA	56	58
	Sound Power Level(Outdoor, Cooling, dBA)	dBA	59	62
	Noise Level (Indoor, High/Low, dBA)	dBA	38/17	40/17
	Noise Level (Outdoor, High/Low, dBA)	dBA	44	45
Electrical Data	Power Consumption(Cooling, W)	W	570	980
	Power Consumption(Heating, W)	W	740	1045
	Operating Current(Cooling, A)	A	3	4,5
	Operating Current(Heating, A)	A	3,6	4,8
External Dimensions	Net Dimension (Indoor, WxHxD)	mm	896 x 261 x 261	896 x 261 x 261
	Net Dimension (Outdoor, WxHxD)	mm	790 x 548 x 285	790 x 548 x 285
	Net Weight (Indoor, kg)	kg	10,8	10,8
	Net Weight (Outdoor, kg)	kg	35	37
Technical Information	Piping Length (Max, m)	m	15	15
	Piping Height (Max, m)	m	8	8
	SVC Valve (Liquid (ODxL))	inch	6,35	6,35
	SVC Valve (Gas (ODxL))	inch	9,52	9,52
	Moisture Removal (l/hr)	l/hr	1	1,5
	Air Circulation (Cooling)	m³/min	9,4	10,2
	Refrigerant (Type)	-	R410A	R410A
	GWP	-	2088	2088
	Refrigerant (Charging, kg)	kg	1,1	1,1
	Refrigerant (Charging, tCO2e)	tCO2e	2,3	2,3
	Low Ambient (Cooling, °C)	°C	-15~46 °C	-15~46 °C
	Low Ambient (Heating, °C)	°C	-25~24 °C	-25~24 °C
Additional Accessories	Air Filter	-	Easy Filter Plus	Easy Filter Plus

Accessory
Included

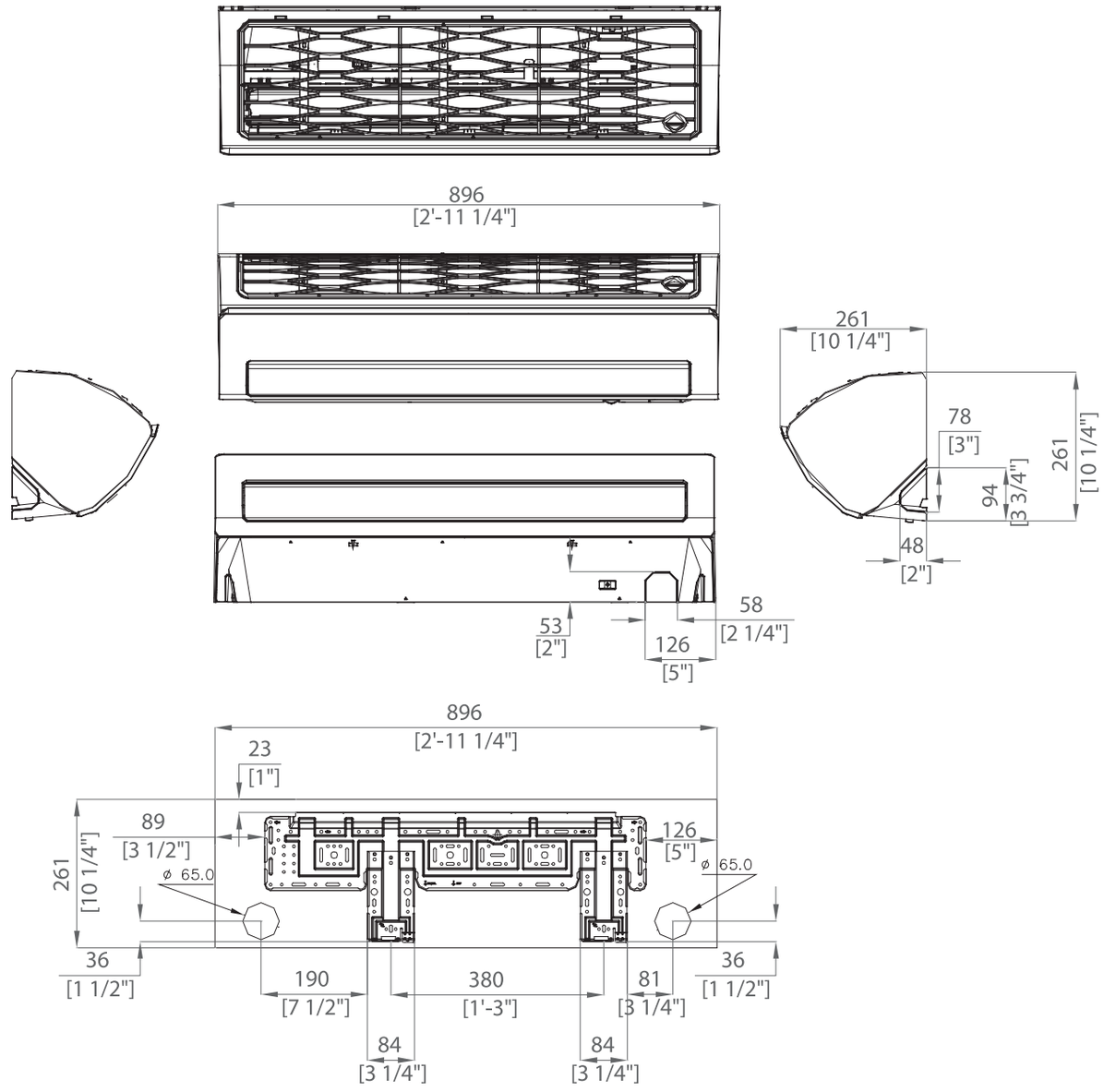
Wireless Remote Controller



Dimensional Drawings

Nordic Range AR5580

AR**MSFSPWKNEE



Specifications

AR5500

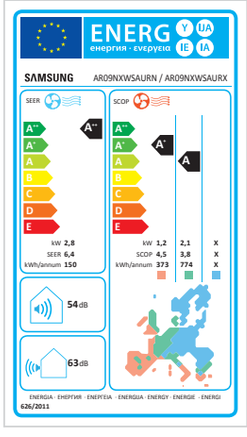
- Easy Filter Plus
- Triangle Design
- Wi-Fi Control - Samsung SmartThings



				AR09NXWSAURNEU	AR12NXWSAURNEU
Model	Indoor Unit				
	Outdoor Unit			AR09NXWSAURXEU	AR12NXWSAURXEU
Power Supply			Φ, V, Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Performance	Capacity	Cooling	kW	2,75	3,50
		Heating		3,20	3,50
Energy Efficiency	EER (Cooling)		-	2,76	2,76
	Pdesignc		kW	2,80	3,50
	COP (Heating)		-	3,50	3,50
	Pdesignh		kW	2,10	2,20
	SEER (Cooling)		-	6,40	6,10
	Ratio		-	A++	A++
	Indicative Annual Energy Consumption (QCE)		kWh/a	150,00	201,00
	SCOP (Heating)		-	4.5 / 3.8	4.5 / 3.8
	Ratio		-	A+ / A	A+ / A
	Indicative Annual Energy Consumption (QHE)		kWh/a	774,00	811,00
Fan	Type		-	Cross flow Fan	Cross flow Fan
	Quantity		EA	1	1
	Airflow Rate	Max.	m^3/min	9,3	11,1
			l/s	155	185
Fan Motor	Type		-	BLDC Motor	BLDC Motor
	Output x n		W	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Φ, mm	6,35	6,35
			Φ, inch	1/4"	1/4"
	Gas Pipe		Φ, mm	9,52	9,52
			Φ, inch	3/8"	3/8"
	Drain Pipe		Φ,mm	ID18mm Hose	ID18mm Hose
Wiring connections	For Power Supply	Min.	mm^2	1,5	1,5
	For Connection with Indoor	Min.	mm^2	0,75	0,75
		Remark	-	F1/F2	F1/F2
Refrigerant	Type		-	R32	R32
	GWP: Global Warming Potential		-	675	675
	Factory Charging		kg	0,70	0,70
	CO_2 Value		tCO_2	0,47	0,47
Sound	Sound Pressure Level	H/L	dB(A)	37/19	40/19
	Sound Power	Cooling	dB(A)	54	59
Dimensions	Net Weight	Indoor	kg	9,5	9,5
		Outdoor		22,5	22,5
	Net Dimensions (W×H×D)	Indoor	mm	826 x 261 x 261	826 x 261 x 261
		Outdoor		660 x 475 x 242	660 x 475 x 242
Additional Accessories	Air Filter		-	Easy Filter +	Easy Filter +

Accessory
Included

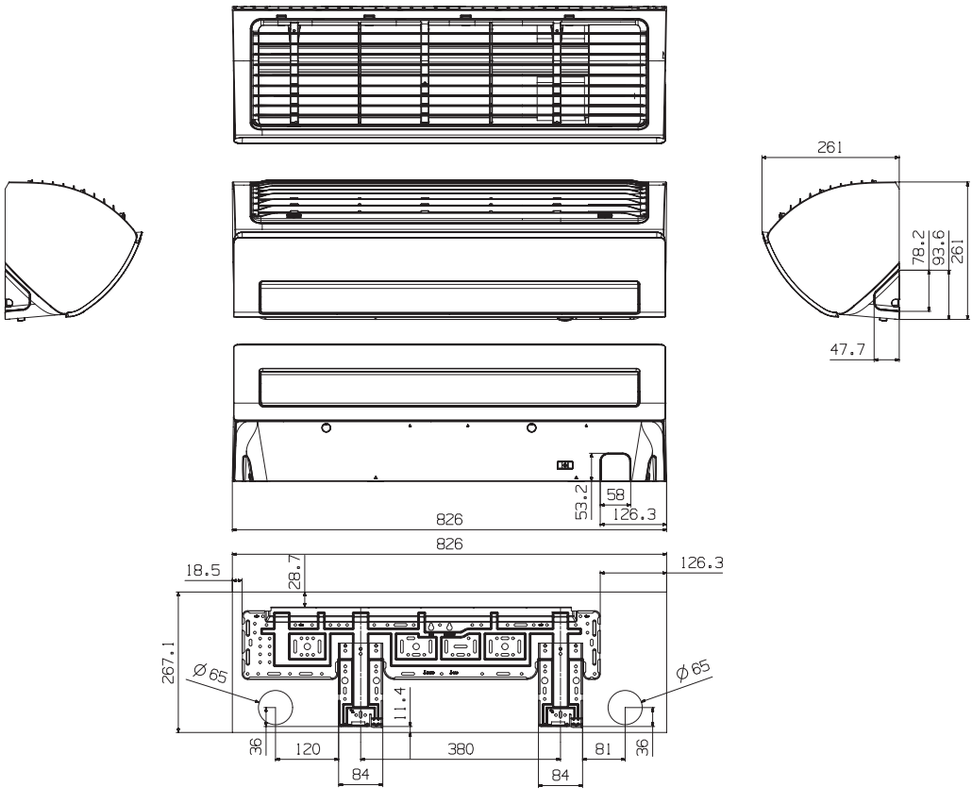
Wireless Remote Controller



Dimensional Drawings

AR5500

AR**NXWSAURNEU



Specifications
Boracay

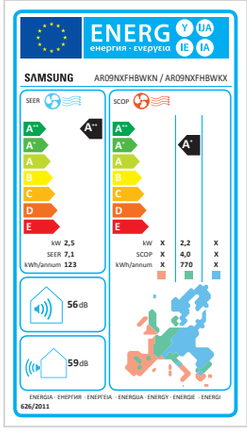
- 3-Care Filter



				AR09NXFHBWKNEU	AR12NXFHBWKNEU	AR18NSFHBWKNEU	AR24NSFHBWKNEU
Model	Indoor Unit			AR09NXFHBWKXEU	AR12NXFHBWKXEU	AR18NSFHBWKXEU	AR24NSFHBWKXEU
	Outdoor Unit						
Power Supply			Φ, V, Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Performance	Capacity	Cooling	kW	2,50	3,50	5,00	6,50
		Heating		3,20	3,70	6,00	7,40
Energy Efficiency	EER (Cooling)		-	3,73	3,21	3,45	3,01
	Pdesignc		kW	2,50	3,50	5,00	6,50
	COP (Heating)		-	3,72	3,72	3,43	3,01
	Pdesignh		kW	2,20	2,20	3,80	4,10
	SEER (Cooling)		-	7,10	6,50	6,10	6,10
	Ratio		-	A++	A++	A++	A++
	Indicative Annual Energy Consumption (QCE)		kWh/a	123,00	188,00	287,00	373,00
	SCOP (Heating)		-	4,00	4,00	4.3/3.8	4.6/3.8
	Ratio		-	A+	A+	A	A
	Indicative Annual Energy Consumption (QHE)		kWh/a	770,00	770,00	1400,00	1511,00
Fan	Type		-	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
	Quantity		EA	1	1	1	1
	Airflow Rate	Max.	m^3/min	8,9	11,0	16,1	18,3
			l/s	148	183	268	305
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W	27 x 1	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Φ, mm	6,35	6,35	6,35	6,35
			Φ, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Φ, mm	9,52	9,52	12,7	15,88
			Φ, inch	3/8"	3/8"	1/2"	5/8"
	Drain Pipe		Φ,mm	ID18mm Hose	ID18mm Hose	ID18mm Hose	ID18mm Hose
Wiring connections	For Power Supply	Min.	mm^2	1,5	1,5	1,5	1,5
	For Connection with Indoor	Min.	mm^2	0,75	0,75	0,75	0,75
		Remark	-	F1/F2	F1/F2	F1/F2	F1/F2
Refrigerant	Type		-	R32	R32	R410A	R410A
	GWP: Global Warming Potential		-	675	675	2088	2088
	Factory Charging		kg	0,75	0,75	1,45	1,45
	CO_2 Value		tCO_2	0,51	0,51	3,03	3,03
Sound	Sound Pressure Level	H/L	dB(A)	38/21	42/21	42/25	45/29
	Sound Power	Cooling	dB(A)	56	59	58	63
Dimensions	Net Weight	Indoor	kg	8,2	8,2	11,6	11,6
		Outdoor		27,2	27,2	39,5	43,5
	Net Dimensions (W×H×D)	Indoor	mm	820 x 285 x 227	820 x 285 x 227	1065 x 298 x 243	1065 x 298 x 243
		Outdoor		720 x 548 x 265	720 x 548 x 265	880 x 638 x 310	880 x 638 x 310
Additional Accessories	Air Filter		-	3-Care Filter	3-Care Filter	3-Care Filter	3-Care Filter

Accessory
Included

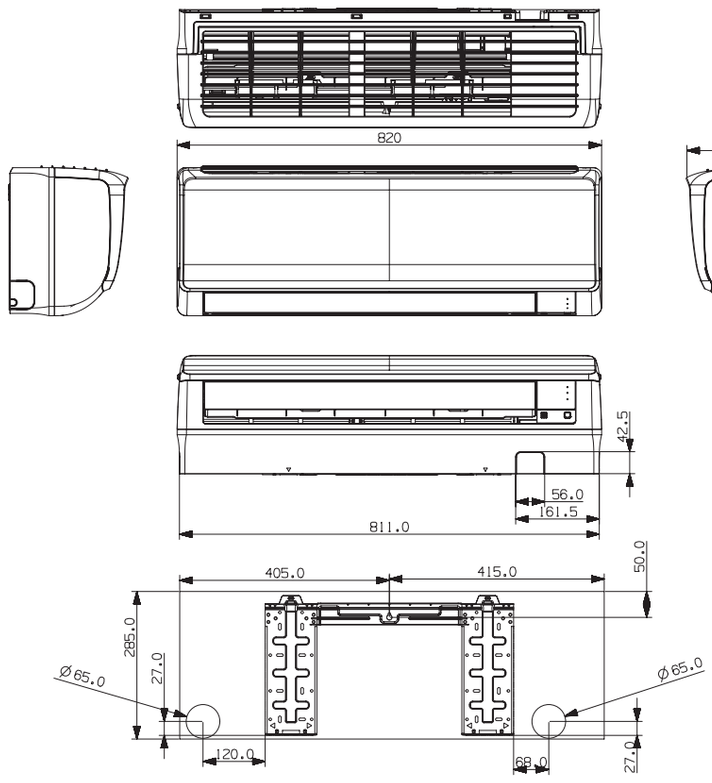
Wireless Remote Controller



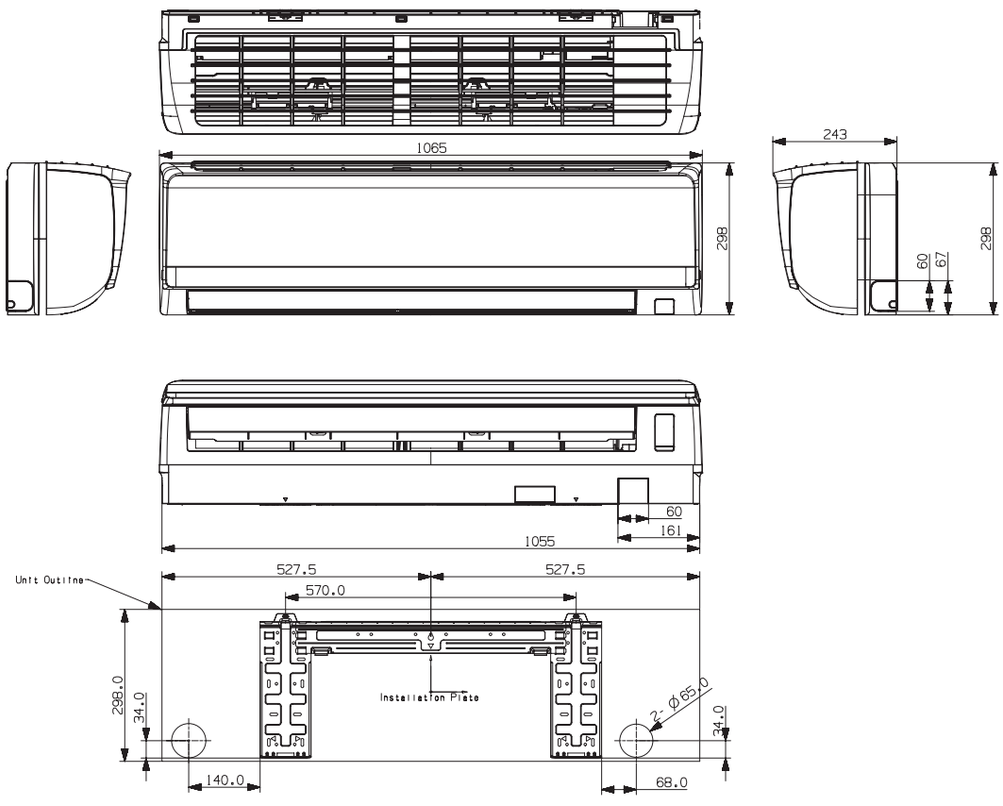
Dimensional Drawings

Boracay

AR**NXFHBWKNEU



AR**NSFHBWKNEU



Specifications
Maldives

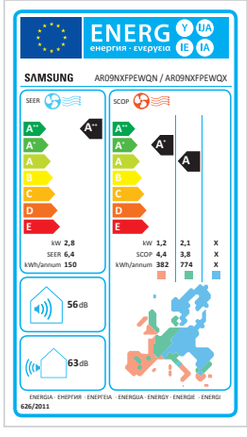
- 3-Care Filter



Model	Indoor Unit			AR09NXFPEWQNEU	AR12NXFPEWQNEU	AR18NSFPEWQNEU	AR24NSFPEWQNEU
	Outdoor Unit			AR09NXFPEWQXEU	AR12NXFPEWQXEU	AR18NSFPEWQXEU	AR24NSFPEWQXEU
Power Supply			Φ, V, Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Performance	Capacity	Cooling	kW	2,75	3,50	5,00	6,50
		Heating		3,20	3,50	6,00	7,40
Energy Efficiency	EER (Cooling)		-	2,76	2,76	3,45	3,01
	Pdesignc		kW	2,80	3,50	5,00	6,50
	COP (Heating)		-	3,50	3,50	3,43	3,01
	Pdesignh		kW	2,10	2,20	3,80	4,10
	SEER (Cooling)		-	6,40	6,10	6,10	6,10
	Ratio		-	A++	A++	A++	A++
	Indicative Annual Energy Consumption (QCE)		kWh/a	150,00	201,00	287,00	373,00
	SCOP (Heating)		-	4,40	4,40	3,80	3,80
	Ratio		-	A+	A+	A	A
	Indicative Annual Energy Consumption (QHE)		kWh/a	774,00	811,00	1400,00	1511,00
Fan	Type		-	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
	Quantity		EA	1	1	1	1
	Airflow Rate	Max.	m^3/min	9,2	11,3	16,1	18,3
			l/s	153	188	268	305
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W	27 x 1	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Φ, mm	6,35	6,35	6,35	6,35
			Φ, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Φ, mm	9,52	9,52	12,7	15,88
			Φ, inch	3/8"	3/8"	1/2"	5/8"
	Drain Pipe		Φ,mm	ID18mm Hose	ID18mm Hose	ID18mm Hose	ID18mm Hose
Wiring connections	For Power Supply	Min.	mm^2	1,5	1,5	1,5	1,5
	For Connection with Indoor	Min.	mm^2	0,75	0,75	0,75	0,75
		Remark	-	F1/F2	F1/F2	F1/F2	F1/F2
Refrigerant	Type		-	R32	R32	R410A	R410A
	GWP: Global Warming Potential		-	675	675	2088	2088
	Factory Charging		kg	0,70	0,70	1,3	1,45
	CO_2 Value		tCO_2	0,47	0,47	2,71	3,03
Sound	Sound Pressure Level	H/L	dB(A)	38/21	42/21	42/25	45/29
	Sound Power	Cooling	dB(A)	56	59	58	63
Dimensions	Net Weight	Indoor	kg	8,0	8,0	11,6	11,6
		Outdoor		22,5	22,5	39,5	43,5
	Net Dimensions (W×H×D)	Indoor	mm	820 x 285 x 215	820 x 285 x 215	1065 x 298 x 230	1065 x 298 x 230
		Outdoor		660 x 475 x 242	660 x 475 x 242	1023 x 742 x 413	1023 x 742 x 413
Additional Accessories	Air Filter		-	3-Care Filter	3-Care Filter	3-Care Filter	3-Care Filter

Accessory
Included

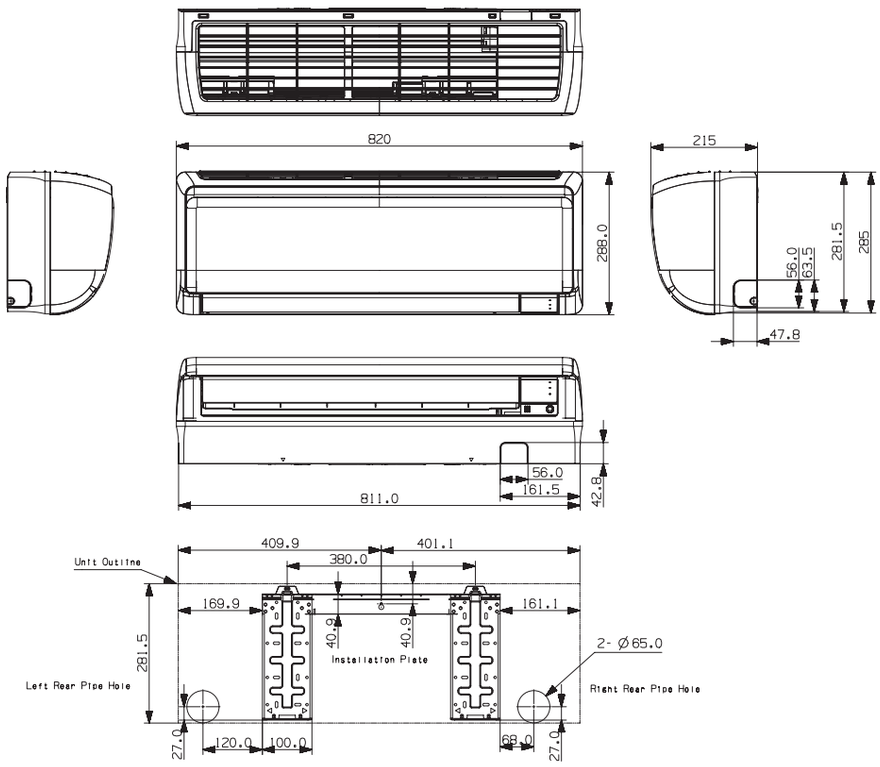
Wireless Remote Controller



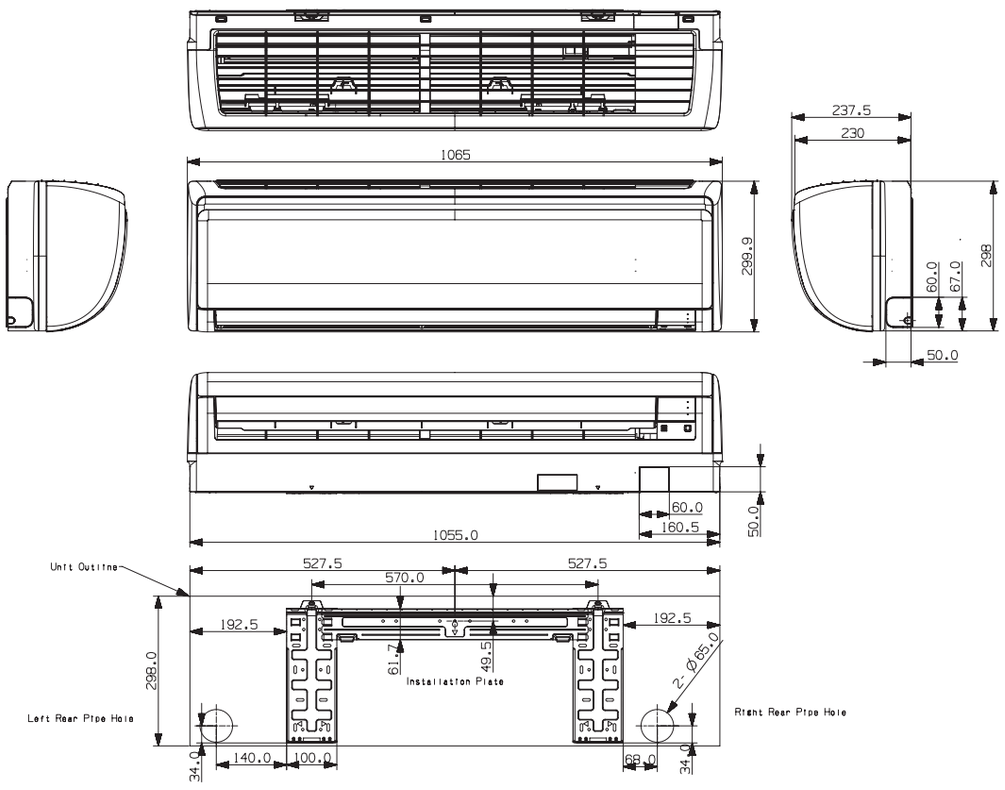
Dimensional Drawings

Maldives

AR**NXFPEWQNEU



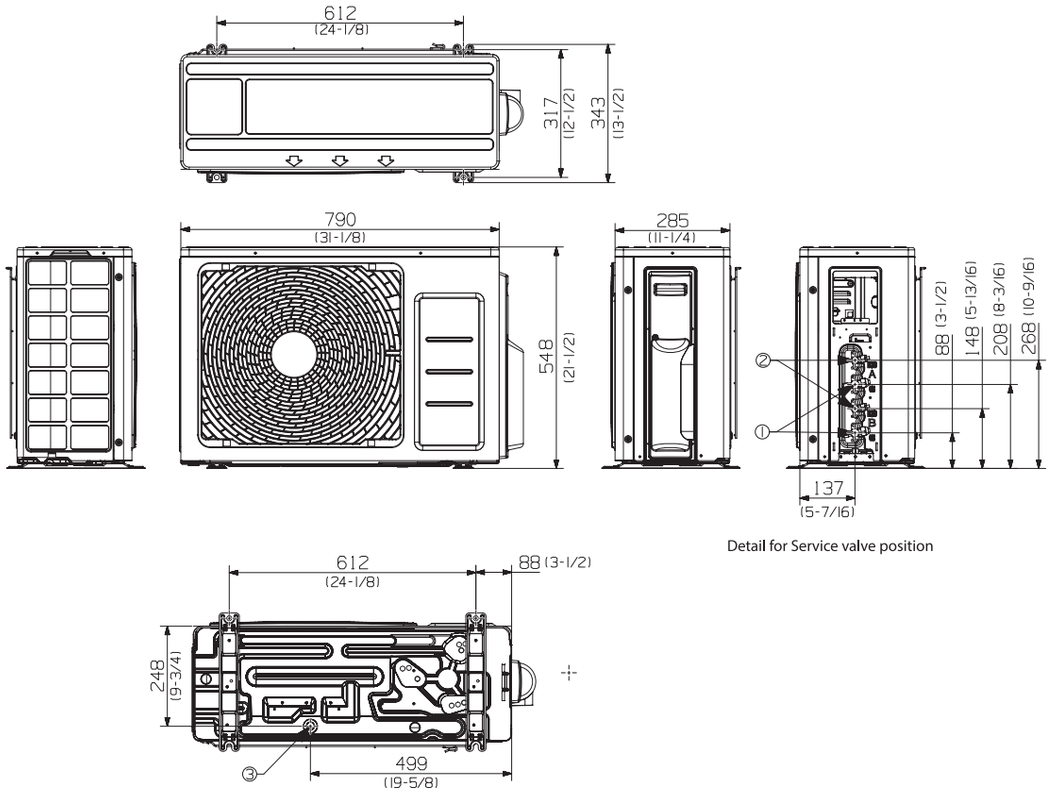
AR**NSFPEWQNEU



Dimensional Drawings

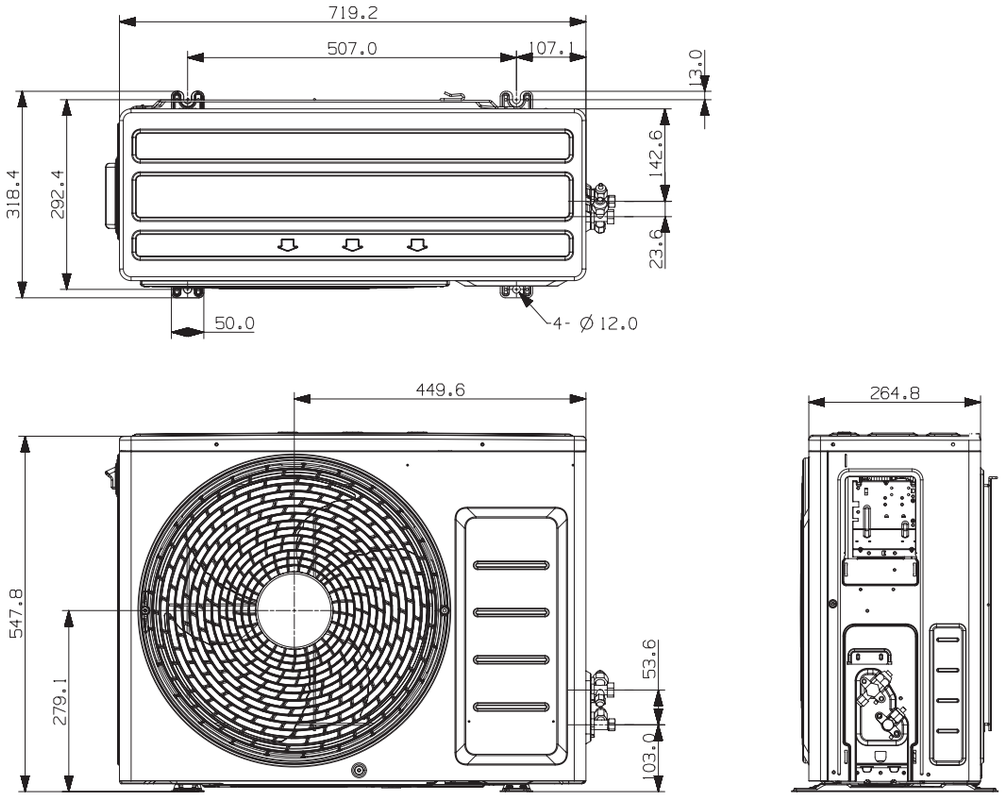
Outdoor Units

Wind-Free™ Ultra

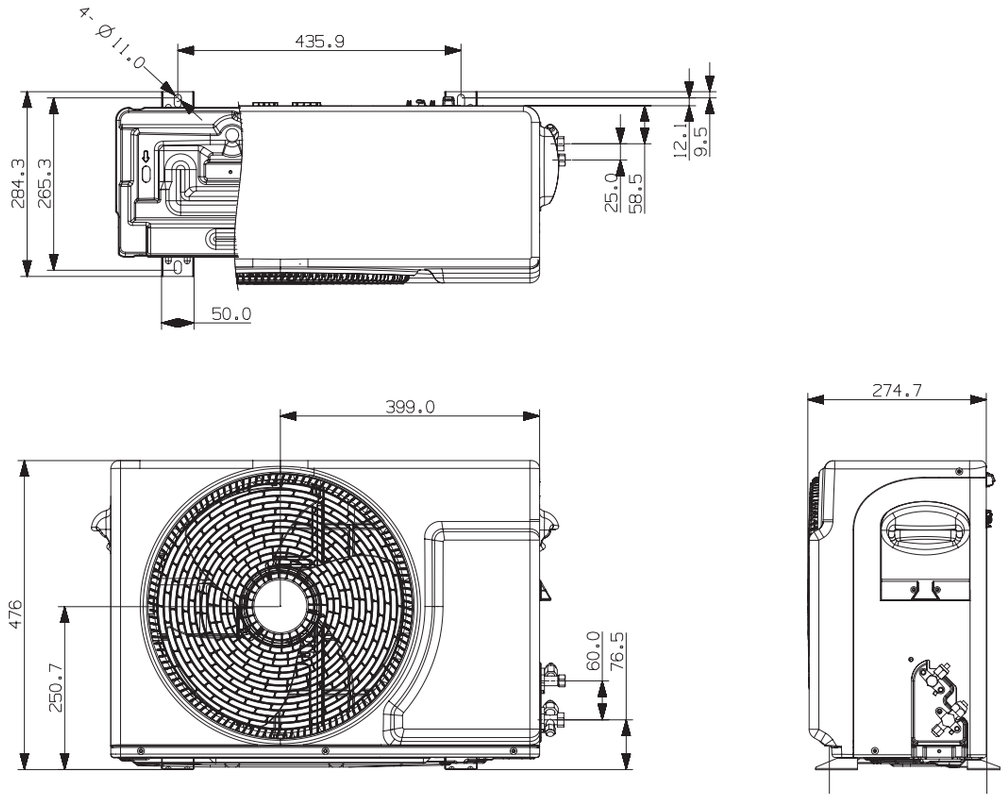


Detail for Service valve position

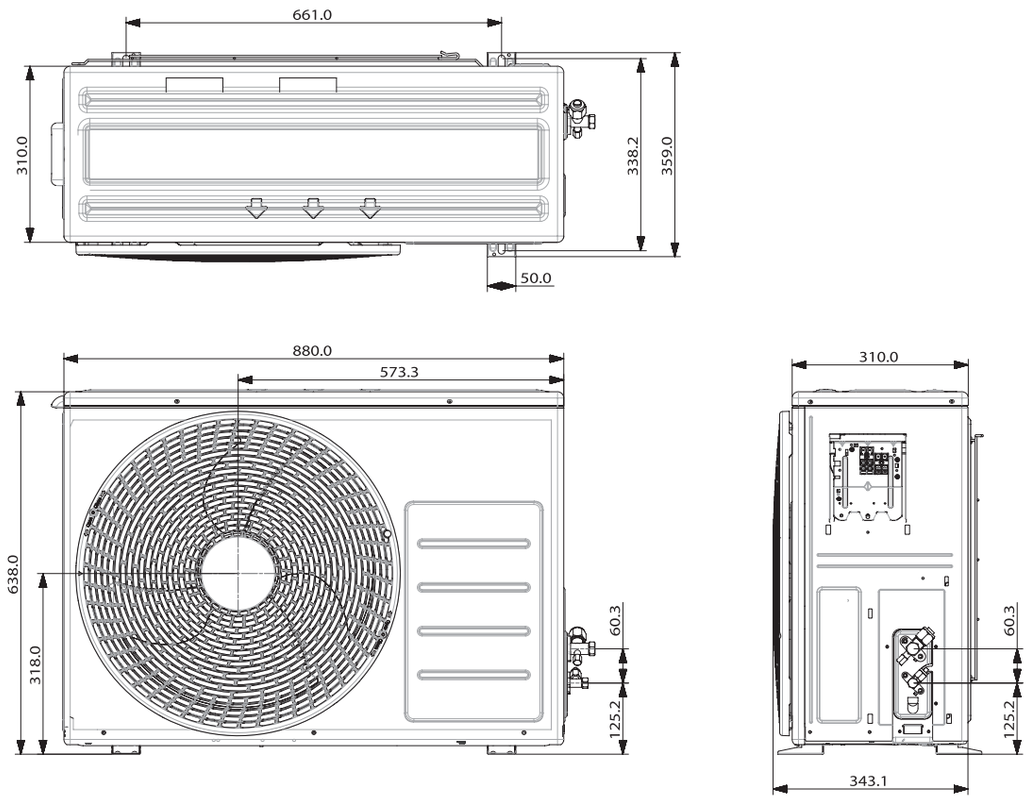
Wind-Free™ Optimum / Wind-Free™ Essential / AR5680 / AR5580 / Boracay *Shared chassis only



Wind-Free™ Standard / AR5500 / Maldives *Shared chassis only



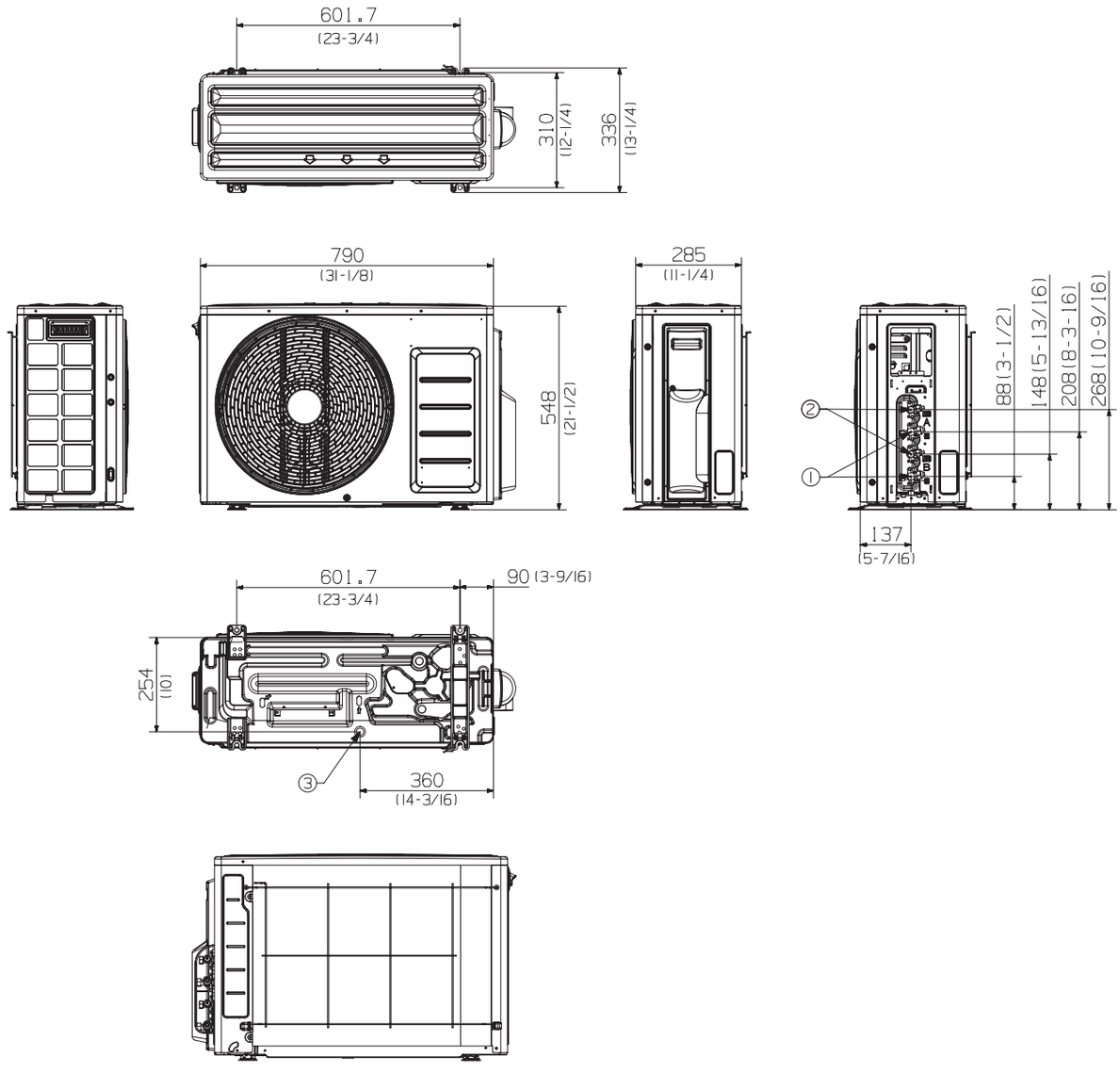
All 5.2kW and 6.8kW Models *Shared chassis only



Dimensional Drawings

Outdoor Unit (Nordic Range)

AC026/035MNLDKH/EU



Rear View

No.	Name	Description
1	Refrigerant gas pipe	Φ9.52 (Φ3/8)
2	Refrigerant liquid pipe	Φ6.35 (Φ1/4)
3	Drain hole	Connection with the provided drain plug.

SAMSUNG