



Multi Split

Free Joint Multi (FJM)

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.

SAMSUNG

**Now available
with R32
Refrigerant**

Only compatible with
the 4kW and 5kW
outdoor units



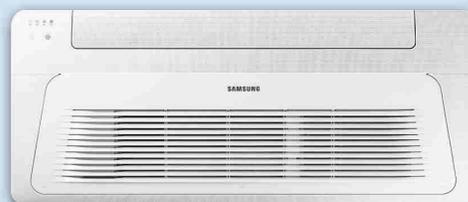
Wind-Free™ Wall-Mounted

Page 72, 74 & 76



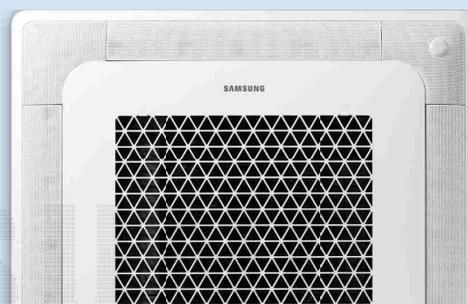
Wind-Free™ 1-Way Cassette

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Wind-Free™ Mini 4-Way Cassette

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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	Image	1.6kW	2.0kW	2.6kW	3.5kW	5.2kW	6.8kW
Wind-Free™ Ultra			•	•	•		
Wind-Free™ Optimum/Essential (With and Without SPI Ionizer)			•	•	•	•	•
Wind-Free™ Standard			•	•	•	•	•
AR5580			•	•	•	•	•
AR5500			•	•	•		
Boracay			•	•	•	•	•
Maldives			•	•	•	•	•
Wind-Free™ 1-Way Cassette				•	•		
1-Way Cassette				•	•		
Wind-Free™ Mini 4-Way Cassette (600x600)		•	•	•	•	•	
Mini 4-Way Cassette (600x600)		•	•	•	•	•	
Console				•	•	•	
LSP Slim Duct				•	•		
MSP Duct						•	

Model	Image	Ref. Type	4.0kW	5.0kW	5.2kW	6.8kW	7.0kW	8.0kW	10.0kW
2 Indoor Units		R32	•	•					
		R410A	•	•					
3 Indoor Units		R410A			•				
3 Indoor Units		R410A				•			
4 Indoor Units		R410A					•		
4 Indoor Units		R410A						•	
5 Indoor Units		R410A							•

SAMSUNG

New era of refrigerant - R32

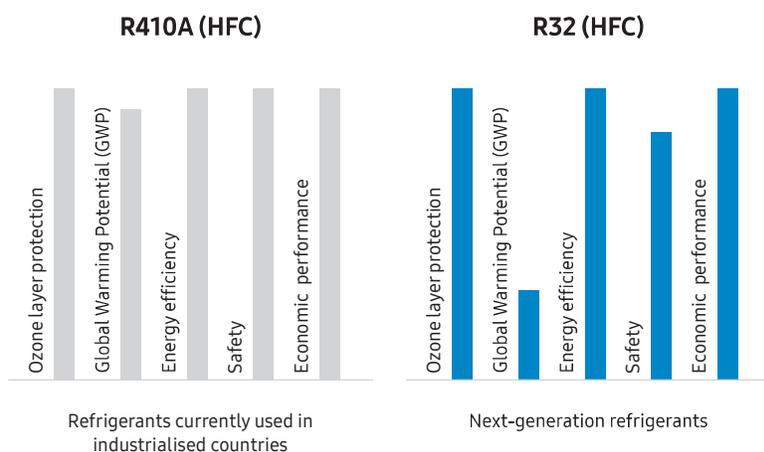
Refrigerants are an essential part of air conditioning. So it is very important to choose refrigerants that have a low environmental impact. Samsung has added the refrigerant R32 to residential air conditioners to protect the ozone layer and reduce global warming.

Hello R32 Refrigerant!

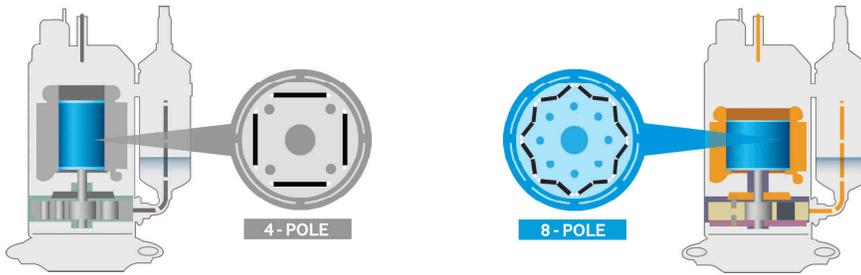
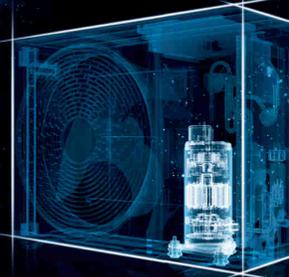
Samsung is presenting a new era of air conditioners with R32 refrigerant, which is more environmental friendly than its predecessor R410A. R32 has a lower Global Warming Potential (GWP) of 675 compared to R410A with 2.088 and it also has an Ozone Depletion Potential (ODP) of zero, so it helps conserve 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



The World's First Digital Inverter 8-Pole



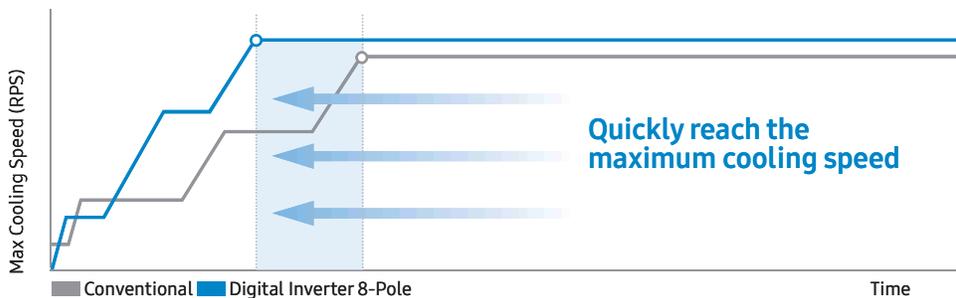
Conventional digital inverter

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.

SAMSUNG

GOODBYE COLD DRAFTS,
HELLO SAMSUNG WIND-FREE™.



ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "SRF 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.



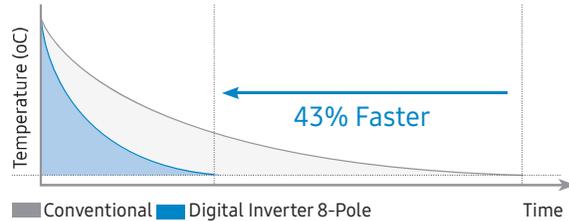
* Tested on AR07M5170HA, based on the accumulated power consumption of Fast Cooling mode vs. Wind-Free™ Cooling mode. When compared to Normal Cooling mode, Wind-Free™ Cooling mode consumes 55% less energy.

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.

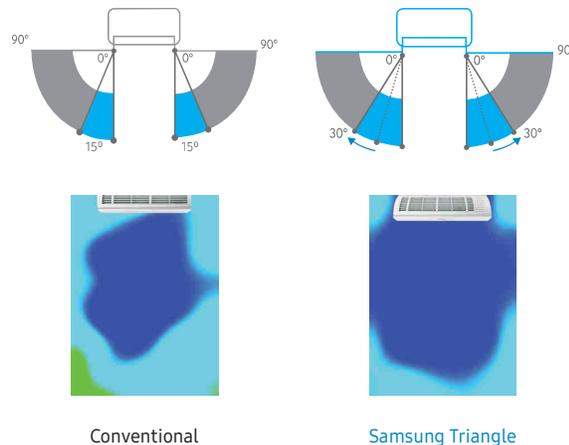
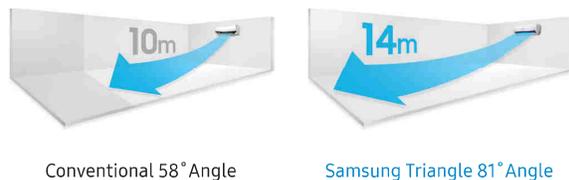
* Tested on AR09KSWDHWK compared with Samsung conventional model AQV09TWS.



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.

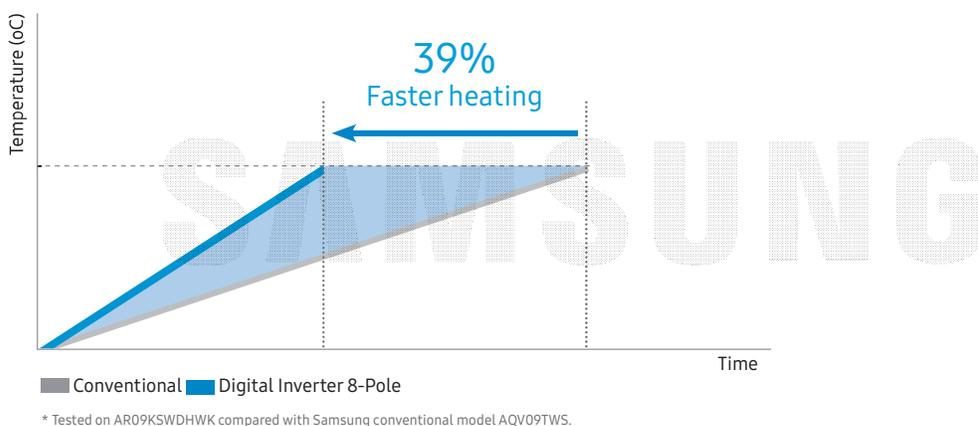


Excellent heating performance even at -25°C

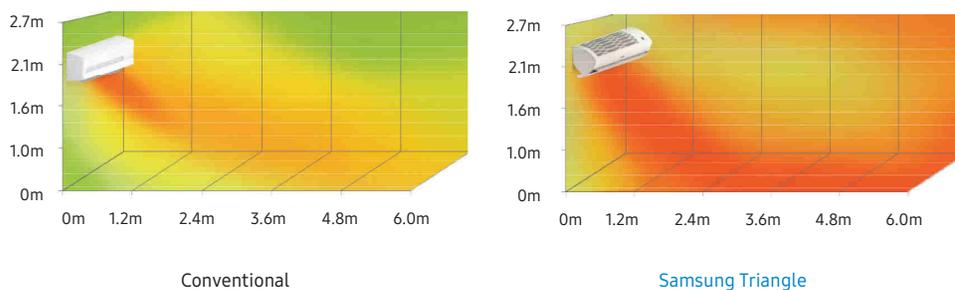
The outdoor unit is equipped with a base heater that prevents it from becoming frozen, and also has a drain hole to improve drainage of any melted water. So, even at -25°C, it continues working well in heating mode without freezing.

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.

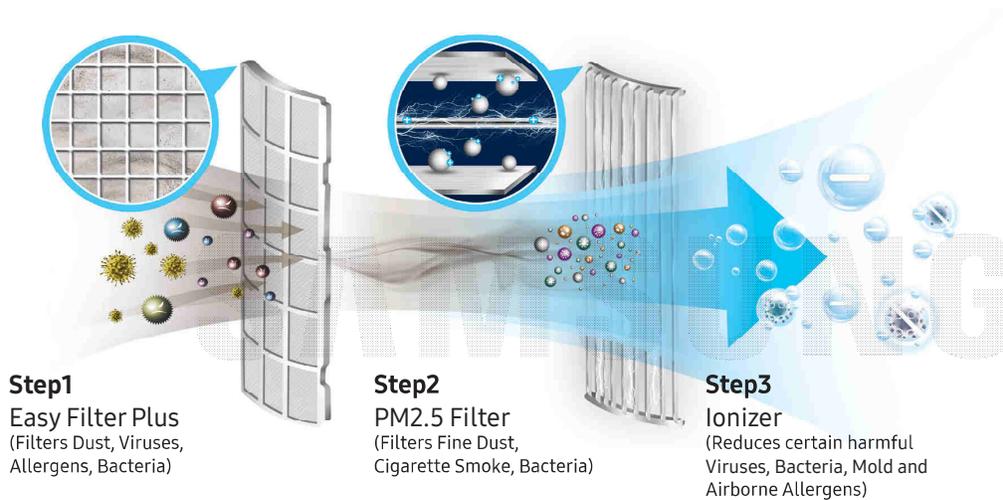


Heat efficiency comparison



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

Air Purification



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)

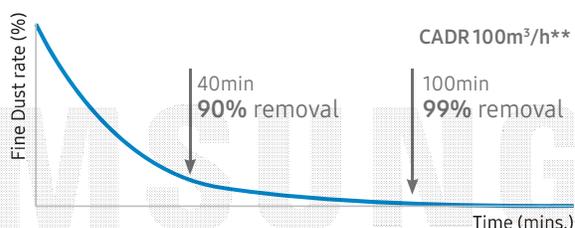
PM2.5 Filter – Captures up to 99% of fine dust

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 ART3KVSSLWKST.

* Size of chamber: 30m³

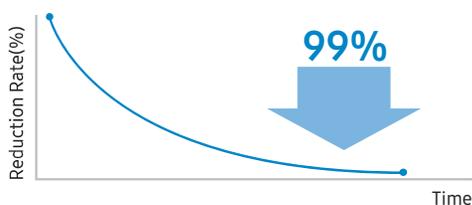


Samsung Super Plasma ion (SPi) – Reduces up to 99% of viruses

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

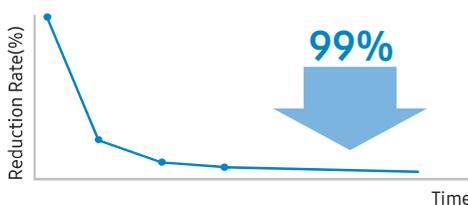
* Based on ionizer device, Tested in Kitasato Environmental Science Center (Japan) & Chungnam National University (Korea). Data has been measured under specific testing conditions and may vary based on environmental factors. (Size of chamber: 500cc-1m³, Device only, Measurement time 60-300min)

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



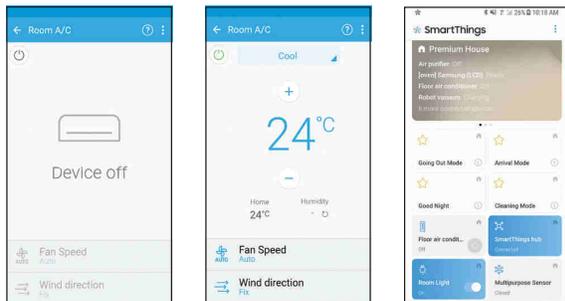
* Testing Institute: Kitasato Environmental Science Center
* Measurement time: 2 hours
* Test sample: Device only
* Size of chamber: 1m²
* MRSA(Staphylococcus aureus ATCC 33591)

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.



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.

Specifications

Wind-Free™ Ultra

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



Model Name				AR07NXCXAWKNEU	AR09NXCXAWKNEU	AR12NXCXAWKNEU
Power Supply		Φ, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Performance	Capacity	Cooling	kW	2	2,5	3,5
		Heating		2,2	3,2	4
Power	Power Input	Cooling	W	30	30	30
		Heating		30	30	30
	Current Input	Cooling	A	0,3	0,3	0,3
		Heating		0,3	0,3	0,3
Fan	Type	-		Cross flow Fan	Cross flow Fan	Cross flow Fan
	Quantity	EA		1	1	1
	Airflow Rate	m³/min		9,3	9,9	10,6
l/s		155	165	176,7		
Fan Motor	Type	-		BLDC Motor	BLDC Motor	BLDC Motor
	Output x n	W		27 x 1	27 x 1	27 x 1
	Liquid Pipe	Type		Flare connection	Flare connection	Flare connection
		Φ, mm (inch)		6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
Piping Connections	Gas Pipe	Type		Flare connection	Flare connection	Flare connection
		Φ, mm (inch)		9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Drain Pipe	Φ,mm		ID18mm Hose	ID18mm Hose	ID18mm Hose
Wiring Connections	Communication	Min.	mm2	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type	-		R32	R32	R32
	Electronic Expansion Valve	-		EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	37 / 30 / 22	37 / 30 / 22	38 / 31 / 22
	Sound Power	Cooling		56	56	58
Dimensions	Net Weight	kg		11,3	11,3	11,3
	Net Dimensions (WxHxD)	mm		828 x 295 x 265	828 x 295 x 265	828 x 295 x 265

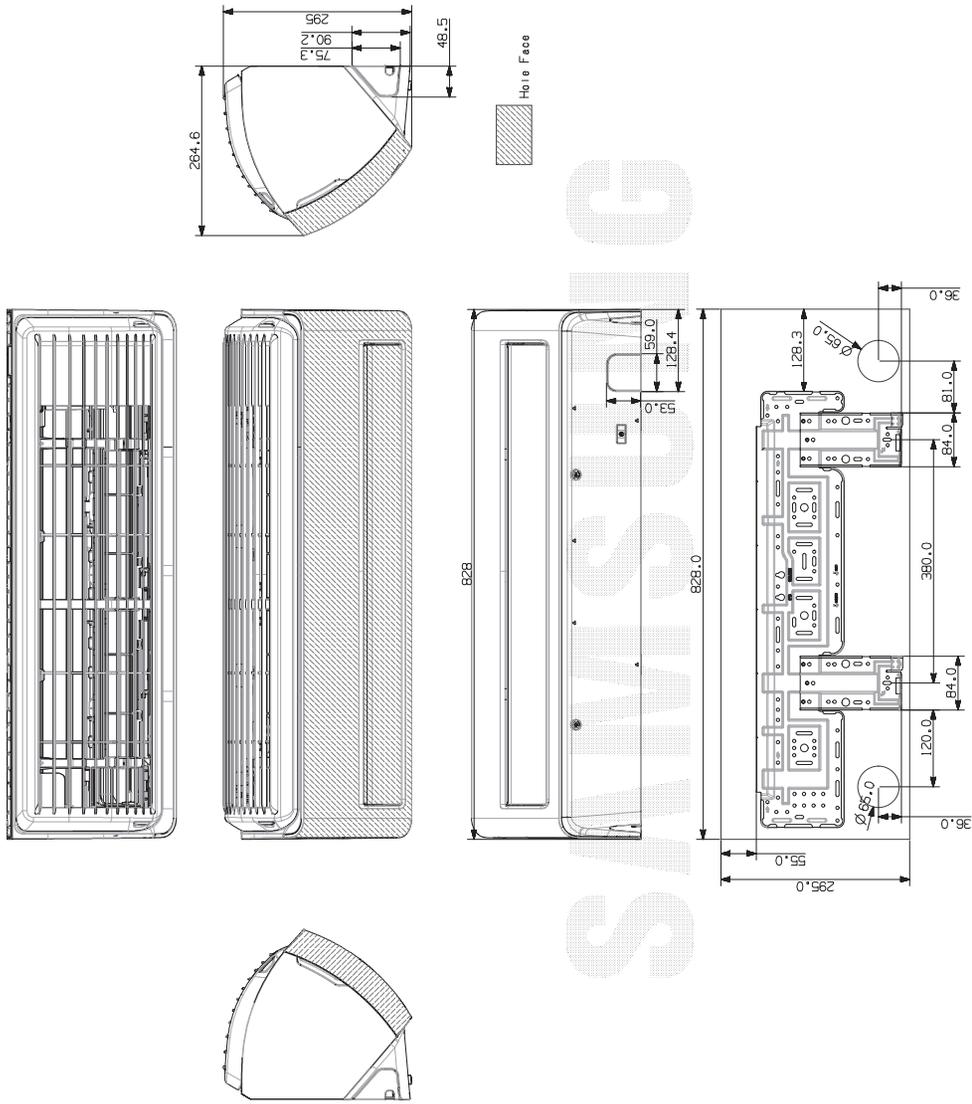
Accessory
Included

Wireless Remote Controller

Dimensional Drawings

Wind-Free™ Ultra

AR*NXCXWKNEU



Specifications

Wind-Free™ Optimum

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



Model Name				AR07NXPXBWKNEU	AR09NXPXBWKNEU	AR12NXPXBWKNEU	AR18NSPXBWKNEU	AR24NSPXBWKNEU
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	1, 2, 220-240, 50
Performance	Capacity	Cooling	kW	2	2,5	3,5	5	6,5
		Heating		2,2	3,2	3,5	6	7,4
Power	Power Input	Cooling	W	30	30	30	50	50
		Heating		30	30	30	50	50
	Current Input	Cooling	A	0,3	0,3	0,3	0,5	0,5
		Heating		0,3	0,3	0,3	0,5	0,5
Fan	Type	-		Cross flow Fan				
	Quantity	EA		1	1	1	1	1
	Airflow Rate	m ³ /min		9,3	9,3	10	15,5	17,5
l/s		155	155	166,7	260	290		
Fan Motor	Type	-		BLDC Motor				
	Output x n	W		27 x 1				
	Liquid Pipe	Type	-		Flare connection	Flare connection	Flare connection	Flare connection
Φ, mm (inch)		6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")		
Piping Connections	Gas Pipe	Type	-		Flare connection	Flare connection	Flare connection	Flare connection
		Φ, mm (inch)		9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")
	Drain Pipe	Φ, mm		ID18mm Hose				
Wiring Connections	Communication	Min.	mm ²	0,75	0,75	0,75	0,75	0,75
		Remark	-	F1, F2				
Refrigerant	Type	-		R32	R32	R32	R410A	R410A
	Electronic Expansion Valve	-		EEV NOT INCLUDED				
Sound	Sound Pressure	H/M/L	dB(A)	37 / 30 / 22	37 / 30 / 22	38 / 31 / 22	39 / 35 / 25	43 / 37 / 25
		Cooling		56	56	58	58	62
Dimensions	Net Weight	kg		10	10	10	13,2	13,4
	Net Dimensions (WxHxD)	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

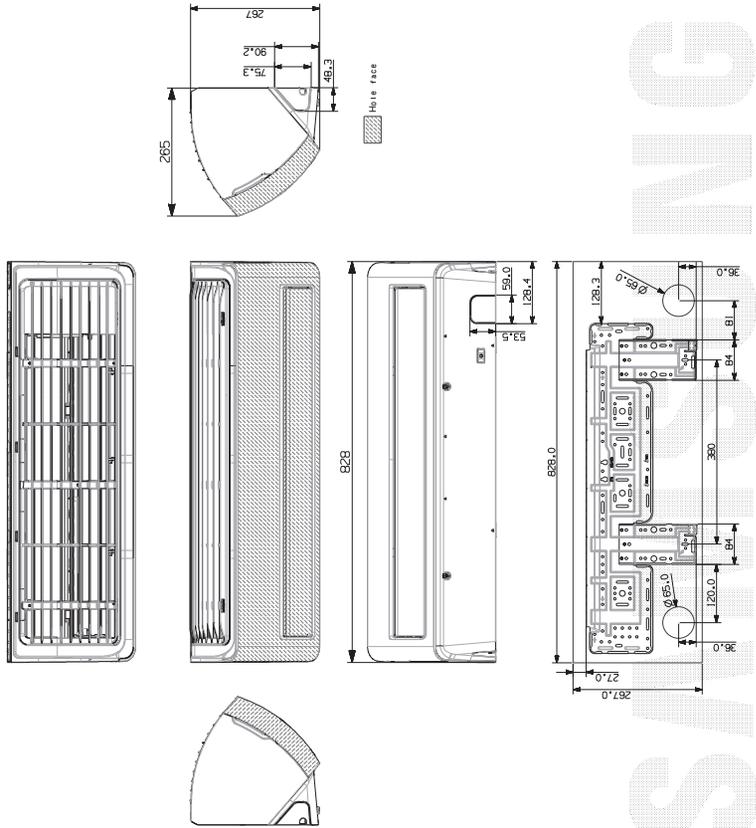
Accessory
Included

Wireless Remote Controller

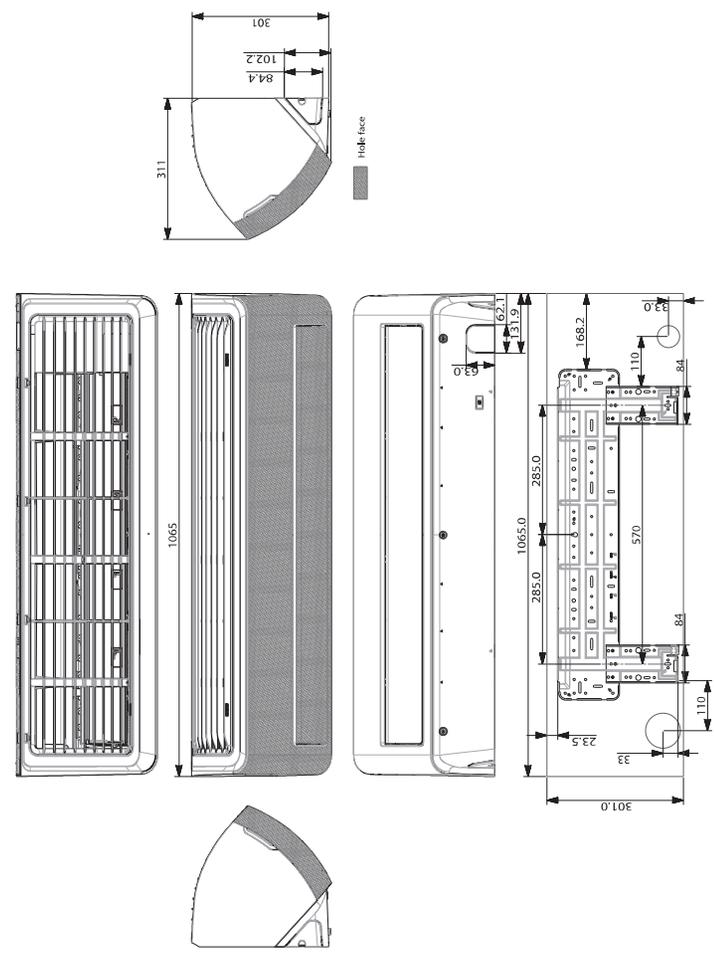
Dimensional Drawings

Wind-Free™ Optimum

AR**NXPBKWKEU



AR**NSPBWKEU



Specifications

Wind-Free™ Essential

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



Model Name				AR07NXWBWKNEU	AR09NXWBWKNEU	AR12NXWBWKNEU	AR18NSWBWKNEU	AR24NSWBWKNEU	
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	1, 2, 220-240, 50	
Performance	Capacity	Cooling	kW	2	2,5	3,5	5	6,5	
		Heating	kW	2,2	3,2	3,5	6	7,4	
Power	Power Input	Cooling	W	30	30	30	50	50	
		Heating	W	30	30	30	50	50	
	Current Input	Cooling	A	0,3	0,3	0,3	0,5	0,5	
		Heating	A	0,3	0,3	0,3	0,5	0,5	
Fan	Type	-		Cross flow Fan					
	Quantity	EA		1	1	1	1	1	
	Airflow Rate	m³/min		9,3	9,3	10	15,5	17,5	
l/s		155	155	166,7	260	290			
Fan Motor	Type	-		BLDC Motor					
	Output x n	W		27 x 1					
	Liquid Pipe	Type	-		Flare connection	Flare connection	Flare connection	Flare connection	Flare connection
Φ, mm (inch)		6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")			
Piping Connections	Gas Pipe	Type	-		Flare connection	Flare connection	Flare connection	Flare connection	Flare connection
		Φ, mm (inch)		9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")	
	Drain Pipe	Φ, mm		ID18mm Hose					
Wiring Connections	Communication	Min.	mm2	0,75	0,75	0,75	0,75	0,75	
		Remark	-	F1, F2					
Refrigerant	Type	-		R32	R32	R32	R410A	R410A	
	Electronic Expansion Valve	-		EEV NOT INCLUDED					
Sound	Sound Pressure	H/M/L	dB(A)	37 / 30 / 22	37 / 30 / 22	38 / 31 / 22	39 / 35 / 25	43 / 37 / 25	
		Cooling	W	56	56	58	58	62	
Dimensions	Net Weight	kg		9,4	9,4	9,4	13,2	13,4	
	Net Dimensions (WxHxD)	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	

Accessory
Included

Wireless Remote Controller

Specifications

Wind-Free™ Standard

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



Model Name				AR07NXWCWKNEU	AR09NXWCWKNEU	AR12NXWCWKNEU	AR18NSWCWKNEU	AR24NSWCWKNEU
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	1, 2, 220-240, 50
Performance	Capacity	Cooling	kW	2	2,75	3,5	5	6,5
		Heating		2,2	3,2	3,5	6	7,4
Power	Power Input	Cooling	W	30	30	30	50	50
		Heating		30	30	30	50	50
	Current Input	Cooling	A	0,3	0,3	0,3	0,5	0,5
		Heating		0,3	0,3	0,3	0,5	0,5
Fan	Type		-	Cross flow Fan				
	Quantity		EA	1	1	1	1	1
	Airflow Rate		m ³ /min	9,3	9,3	10,8	15,5	17,5
		l/s	155	155	180	260	290	
Fan Motor	Type		-	BLDC Motor				
	Output x n		W	27 x 1				
	Liquid Pipe	Type		-	Flare connection	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
Piping Connections	Gas Pipe	Type		-	Flare connection	Flare connection	Flare connection	Flare connection
				Φ, mm (inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
	Drain Pipe		Φ, mm	ID18mm Hose				
Wiring Connections	Communication	Min.	mm ²	0,75	0,75	0,75	0,75	0,75
		Remark		-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32	R410A	R410A
	Electronic Expansion Valve		-	EEV NOT INCLUDED				
Sound	Sound Pressure	H/M/L	dB(A)	37 / 30 / 22	37 / 30 / 22	38 / 31 / 22	39/35/25	43/37/25
		Cooling		56	56	58	58	62
Dimensions	Net Weight		kg	9,4	9,4	9,4	13,2	13,4
	Net Dimensions (WxHxD)		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

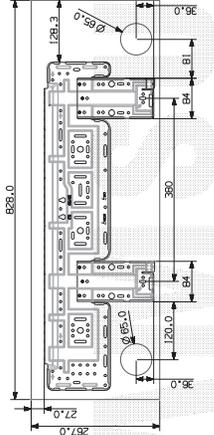
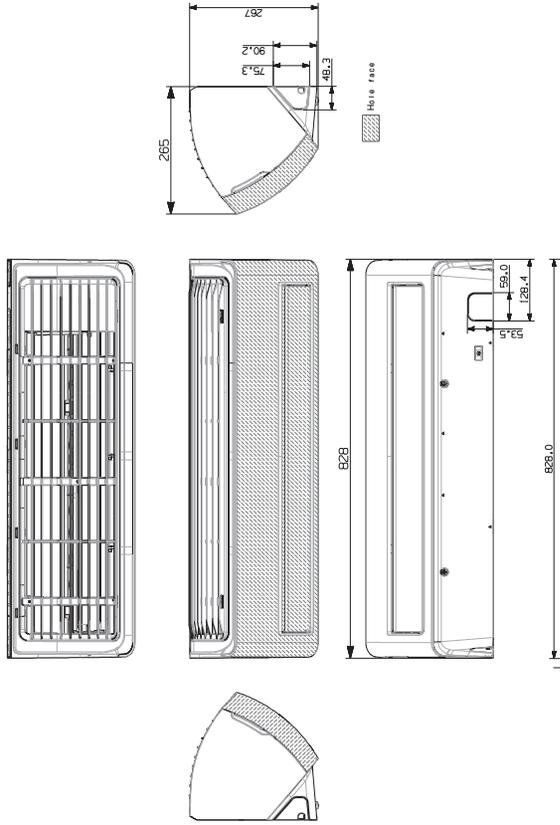
Accessory
Included

Wireless Remote Controller

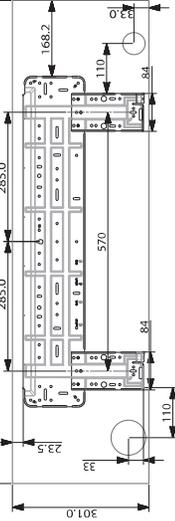
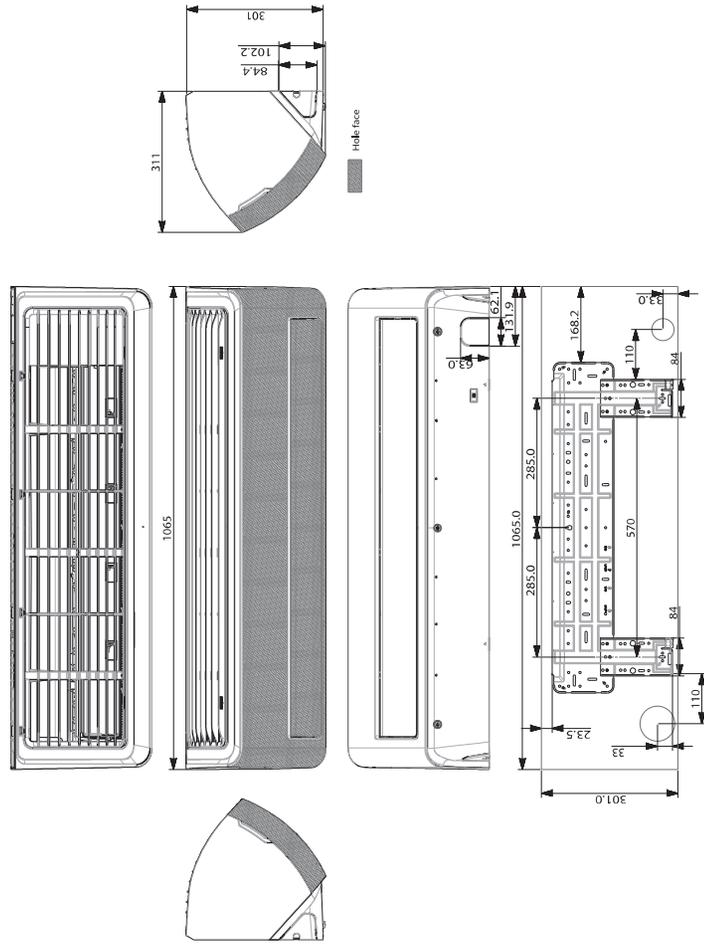
Dimensional Drawings

Wind-Free™ Standard

AR**NXWCWKNEU



AR**NSWCWKNEU



Specifications

AR5580

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



Model Name				AR07MSWSAURNEU	AR09MSWSBWKNEU	AR12MSWSBWKNEU	AR18MSWSAWKNEU	AR24MSWSAWKNEU	
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	1, 2, 220-240, 50	
Performance	Capacity	Cooling	kW	2	2,5	3,5	5	6,8	
		Heating		2,2	3,2	3,8	6	7,8	
Power	Power Input	Cooling	W	30	30	30	50	50	
		Heating		30	30	30	50	50	
	Current Input	Cooling	A	0,3	0,3	0,3	0,4	0,4	
		Heating		0,3	0,3	0,3	0,4	0,4	
Fan	Type	-		Cross flow Fan					
	Quantity	EA		1	1	1	1	1	
	Airflow Rate			m ³ /min	10	11	12	19	21
		l/s	167	183	200	317	350		
Fan Motor	Type	-		BLDC Motor					
	Output x n	W		27 x 1					
	Liquid Pipe	Type	-		Flare connection	Flare connection	Flare connection	Flare connection	Flare connection
		Φ, mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")		
Piping Connections	Gas Pipe	Type	-		Flare connection	Flare connection	Flare connection	Flare connection	Flare connection
				Φ, mm (inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")
	Drain Pipe	Φ,mm		ID 18mm Hose					
Wiring Connections	Communication	Min.	mm ²	0,75	0,75	0,75	0,75	0,75	
		Remark		-	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type	-		R410A	R410A	R410A	R410A	R410A	
	Electronic Expansion Valve	-		EEV NOT INCLUDED					
Sound	Sound Pressure	H/M/L	dB(A)	37 / 27 / 22	37 / 27 / 22	38 / 28 / 22	41 / 32 / 25	43 / 34 / 26	
		Cooling		54	54	56	58	62	
Dimensions	Net Weight	kg		9,6	9,6	9,6	13,4	13,4	
	Net Dimensions (WxHxD)	mm		826 x 261 x 261	826 x 261 x 261	826 x 261 x 261	1,065 x 301 x 294	1,065 x 301 x 294	
Additional Accessories	Air Filter	-		Removable / Washable					

Accessory

Included



Wireless Remote Controller

Specifications

AR5500

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



Model Name				AR07NXWSAURNEU	AR09NXWSAURNEU	AR12NXWSAURNEU	
Power Supply			Φ, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Performance		Cooling	kW	2	2,75	3,5	
		Heating		2,2	3,2	3,5	
Power	Power Input	Cooling	W	30	30	30	
		Heating		30	30	30	
	Current Input	Cooling	A	0,3	0,3	0,3	
		Heating		0,3	0,3	0,3	
Fan	Type		-	Cross flow Fan	Cross flow Fan	Cross flow Fan	
	Quantity	EA		1	1	1	
	Airflow Rate		m ³ /min		8	9	10
			l/s	133,3	150	166,7	
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	
	Output x n		W	27 x 1	27 x 1	27 x 1	
	Liquid Pipe	Type			Flare connection	Flare connection	Flare connection
				Φ, mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
Piping Connections	Gas Pipe	Type		Flare connection	Flare connection	Flare connection	
				Φ, mm (inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Drain Pipe		Φ,mm	ID18mm Hose	ID18mm Hose	ID18mm Hose	
Wiring Connections	Communication	Min.	mm2	0,75	0,75	0,75	
		Remark		-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32	
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	H/M/L	dB(A)	37 / 27 / 22	37 / 27 / 22	38 / 28 / 22	
	Sound Power	Cooling		54	54	56	
Dimensions	Net Weight		kg	9,5	9,5	9,5	
	Net Dimensions (WxHxD)		mm	826 x 261 x 261	826 x 261 x 261	826 x 261 x 261	

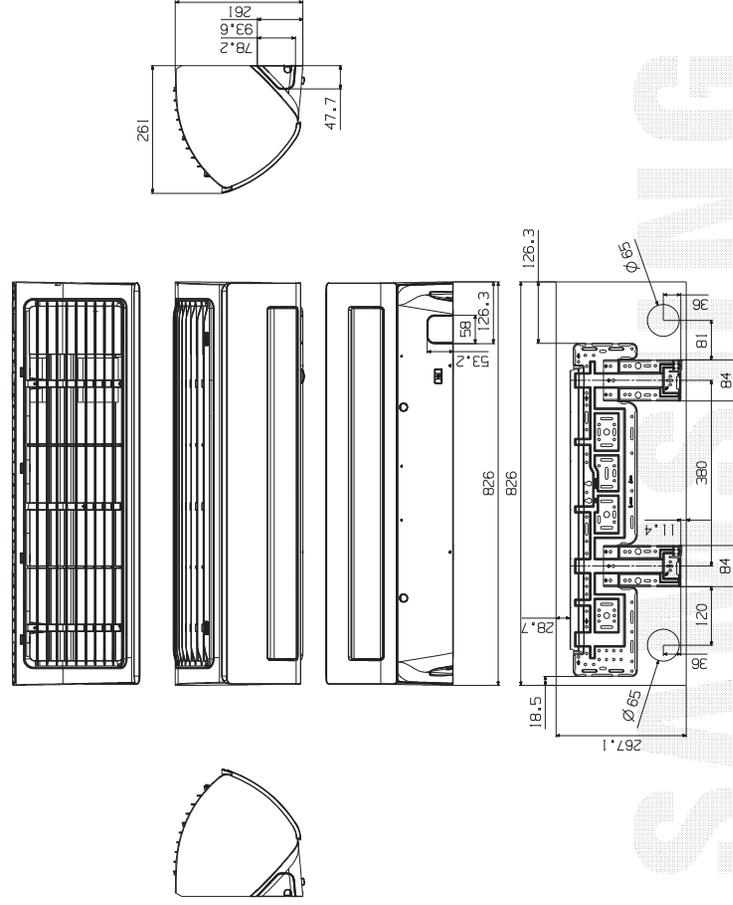
Accessory
Included

Wireless Remote Controller

Dimensional Drawings

AR5500

AR**NXWSAURNEU



Specifications

Boracay

- 3-Care Filter



Model Name				AR07NXFHBWKNEU	AR09NXFHBWKNEU	AR12NXFHBWKNEU	AR18NSFHBWKNEU	AR24NSFHBWKNEU	
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	1, 2, 220-240, 50	
Performance	Capacity	Cooling	kW	2,0	2,8	3,5	5,0	6,8	
		Heating		2,2	3,2	3,5	6,0	7,7	
Power	Power Input	Cooling	W	30	30	30	50	50	
		Heating		30	30	30	50	50	
	Current Input	Cooling	A	0,3	0,3	0,3	0,5	0,5	
		Heating		0,3	0,3	0,3	0,5	0,5	
Fan	Type	-		Cross flow Fan					
	Quantity	EA		1	1	1	1	1	
	Airflow Rate	m ³ /min		8	9	10	15,5	16,5	
l/s		133,3	150	166,7	258	275			
Fan Motor	Type	-		BLDC Motor					
	Output x n	W		27 x 1					
	Liquid Pipe	Type	-		Flare connection	Flare connection	Flare connection	Flare connection	Flare connection
Φ, mm (inch)		6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")			
Piping Connections	Gas Pipe	Type	-		Flare connection	Flare connection	Flare connection	Flare connection	Flare connection
		Φ, mm (inch)		9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")	
	Drain Pipe	Φ, mm		ID18mm Hose					
Wiring Connections	Communication	Min.	mm2	0,75	0,75	0,75	0,75	0,75	
		Remark	-	F1, F2					
Refrigerant	Type	-		R32	R32	R32	R410A	R410A	
	Electronic Expansion Valve	-		EEV NOT INCLUDED					
Sound	Sound Pressure	H/M/L	dB(A)	38 / 30 / 21	38 / 30 / 21	42 / 33 / 21	42 / 34 / 25	45 / 36 / 29	
		Cooling		56	56	59	58	63	
Dimensions	Net Weight	kg		8,2	8,2	8,2	11,6	11,6	
	Net Dimensions (WxHxD)	mm		820 x 285 x 227	820 x 285 x 227	820 x 285 x 227	1,065 x 298 x 243	1,065 x 298 x 243	

Accessory
Included

Wireless Remote Controller

Specifications

Maldives

- 3-Care Filter



Model Name				AR07NXFPEWQNEU	AR09NXFPEWQNEU	AR12NXFPEWQNEU	AR18NSFPEWQNEU	AR24NSFPEWQNEU
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	1, 2, 220-240, 50
Performance	Capacity	Cooling	kW	2	2,75	3,5	5,0	6,8
		Heating		2,2	3,2	3,5	6,0	7,8
Power	Power Input	Cooling	W	30	30	30	50	50
		Heating		30	30	30	50	50
	Current Input	Cooling	A	0,3	0,3	0,3	0,5	0,5
		Heating		0,3	0,3	0,3	0,5	0,5
Fan	Type	-		Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan	Cross flow Fan
	Quantity	EA		1	1	1	1	1
	Airflow Rate	m ³ /min		8	9	10	14.2 / 12.3 / 11.2	17.8 / 14.3 / 10.6
l/s		133,3	150	166,7	237 / 205 / 187	297 / 238 / 177		
Fan Motor	Type	-		BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n	W		27 x 1	27 x 1	27 x 1	27 x 1	27 x 1
	Liquid Pipe	Type		Flare connection	Flare connection	Flare connection	Flare connection	Flare connection
		Φ, mm (inch)		6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
Piping Connections	Gas Pipe	Type		Flare connection	Flare connection	Flare connection	Flare connection	Flare connection
		Φ, mm (inch)		9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")
	Drain Pipe	Φ, mm		ID 18mm Hose	ID 18mm Hose	ID 18mm Hose	ID 18mm Hose	ID 18mm Hose
Wiring Connections	Communication	Min.	mm ²	0,75	0,75	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type	-		R32	R32	R32	R410A	R410A
	Electronic Expansion Valve	-		EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	38 / 28 / 21	38 / 28 / 21	42 / 33 / 23	42 / 34 / 25	45 / 35 / 29
		Cooling		56	56	59	58	63
Dimensions	Net Weight	kg		8,0	8,0	8,0	11,6	11,6
	Net Dimensions (WxHxD)	mm		820 x 285 x 215	820 x 285 x 215	820 x 285 x 215	1,065 x 298 x 230	1,065 x 298 x 230

Accessory

Included

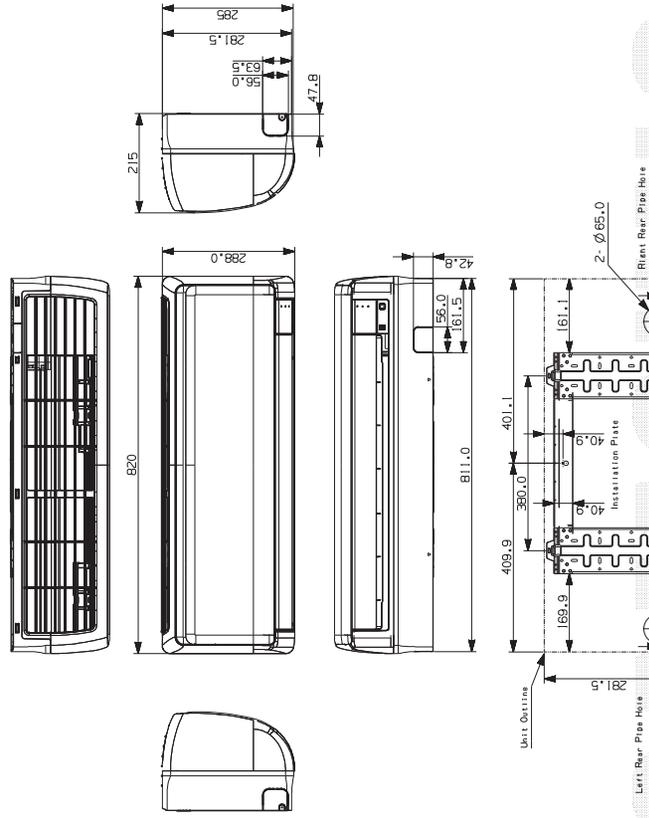


Wireless Remote Controller

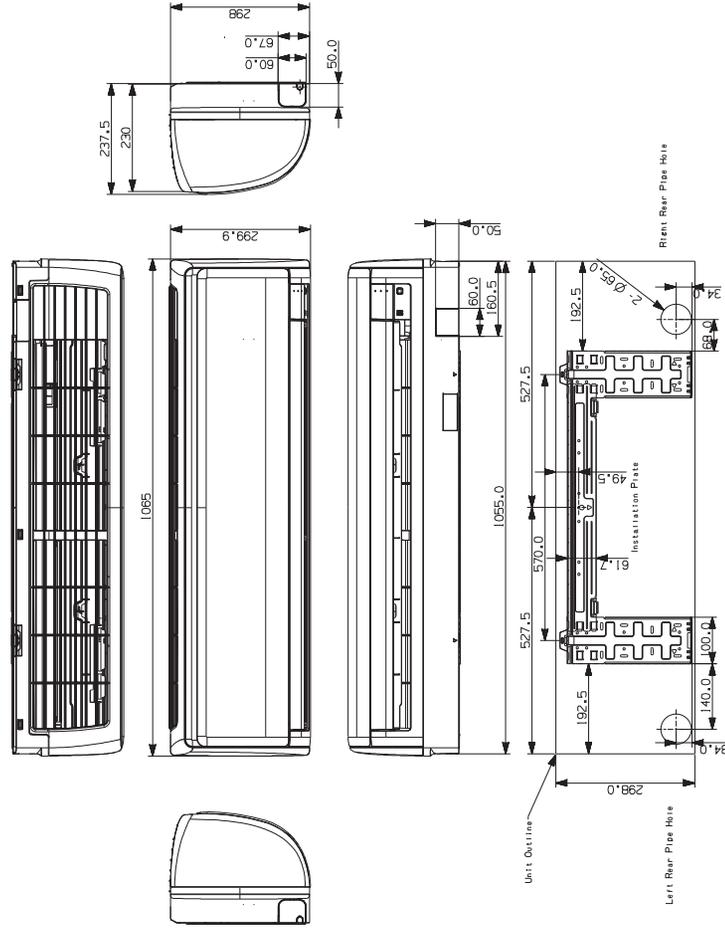
Dimensional Drawings

Maldives

AR**NXFPWQNEU



AR**NSFPWQNEU



Specifications

Outdoor Units (R32)

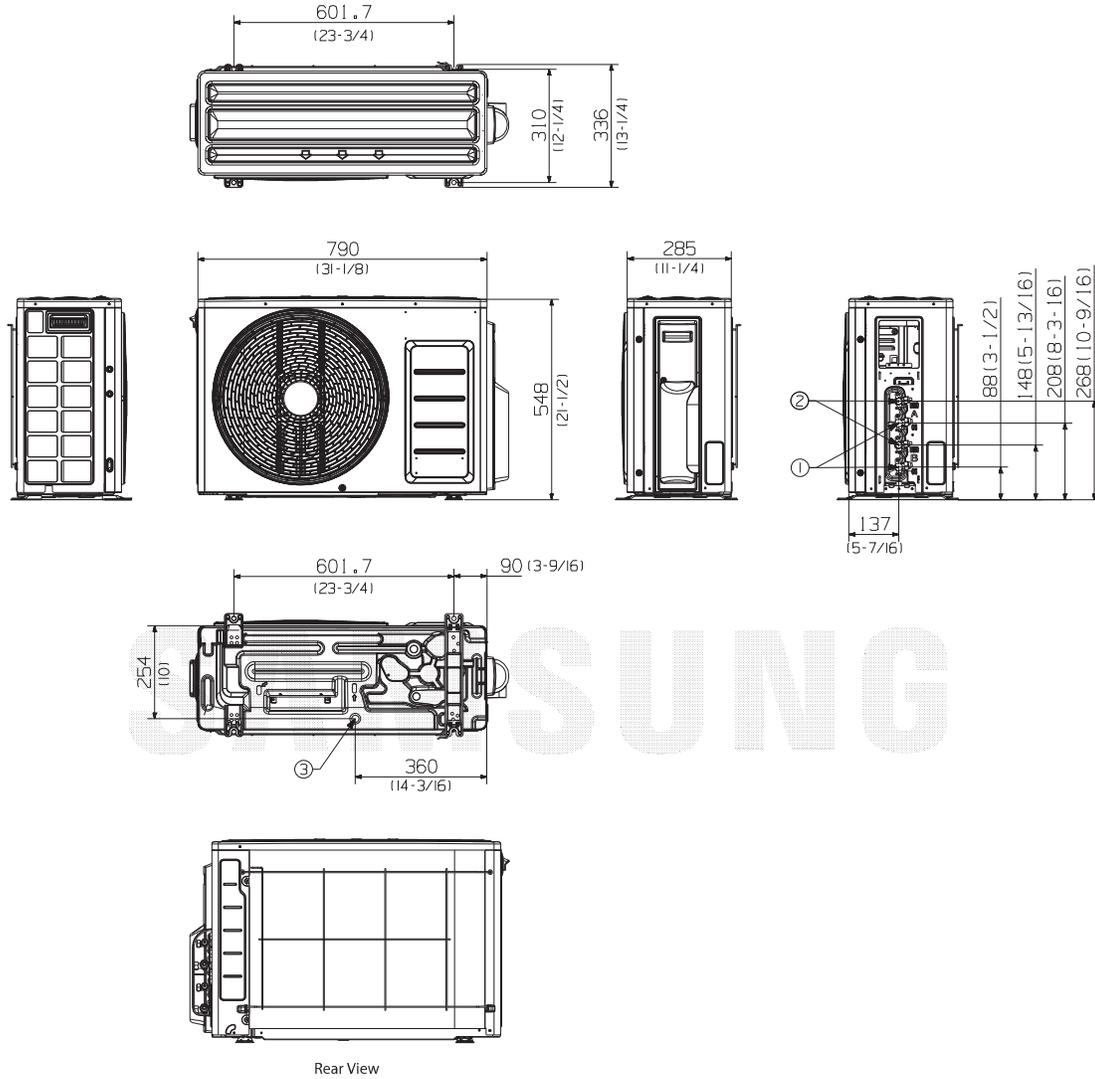


Model Name				AJ040NCJ2EG/EU	AJ050NCJ2EG/EU	
Power Supply			Φ, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	
Performance	Capacity	Cooling	kW	4,0	5,0	
		Heating		4,2	5,6	
Maximum number of connectable Indoor Units			EA	2	2	
Power	Power Input	Cooling	kW	0,9	1,22	
		Heating		0,9	1,28	
	Current Input	Cooling	A	4,1	5,6	
		Heating		4,1	5,9	
Current		A	9,8	11,8		
	MFA		11,25	13,75		
Efficiency	EER	Cooling	W/W	4,44	4,1	
	COP	Heating	W/W	4,67	4,38	
	SEER (Grade)		W/W	8.54 (A+++)	8.54 (A+++)	
	SCOP (Grade)		W/W	4.64 (A++)	4.64 (A++)	
Compressor	Type		-	Twin BLDC Rotary Inverter	Twin BLDC Rotary Inverter	
	Output		kW x n	4.09 x 1	4.09 x 1	
	Oil	Type	-	ESTER OIL VG74	ESTER OIL VG74	
	Initial Charge		cc	350	350	
Fan	Type		-	Propeller Fan	Propeller Fan	
	Discharge direction		-	Horizontal	Horizontal	
	Quantity		EA	1	1	
	Airflow Rate		m ³ /min	29,7	33,05	
Fan Motor			l/s	494	551	
	Model		-	BLDC	BLDC	
	Output x n		W	40 x 1	40 x 1	
	Liquid Piping		Type	Flare connection	Flare connection	
Piping Connections			Φ, mm x EA	6.35 x 2	6.35 x 2	
			Φ, inch x EA	1/4" x 2	1/4" x 2	
	Gas Piping	Type		Flare connection	Flare connection	
			Φ, mm x EA	9.52 x 2	9.52 x 2	
			Φ, inch x EA	3/8" x 2	3/8" x 2	
	Installation Limitation	Total Piping Length		m	30	30
		Max. Length (ODU-IDU)		m	25	25
		Max. Height (IDU-IDU)		m	7,5	7,5
Max. Height (ODU-IDU)			m	15	15	
Wiring Connections	Communication	Min.	mm ²	0,75	0,75	
		Remark		-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	
	Factory Charging		kg	0,98	1,18	
			tCO ₂ e		0,66	0,8
Sound	Sound Pressure	Cooling		45	46	
		Heating	dB(A)	46	47	
	Sound Power			60	61	
External Dimension	Net Weight		kg	32	33	
	Net Dimensions (WxHxD)		mm	790 × 548 × 285	790 × 548 × 285	
Operating Temp. Range	Cooling		°C	-5 - 46	-5 - 46	
	Heating		°C	-15 - 24	-15 - 24	

Dimensional Drawings

Outdoor Units (R32)

AJ***NCJ2EG/EU



No.	Name	Description
1	Refrigerant gas pipe	Ø9.52 (Ø3/8)
2	Refrigerant liquid pipe	Ø6.35 (Ø1/4)
3	Drain hole	Connection with the provided drain plug.

Residential

Multi Split

Commercial

VRF

Chiller

Ventilation

Air to Water Heating

Controls & Accessories

Specifications

Outdoor Units (R410A)



Model Name				AJ040MCJ2EH/EU	AJ050MCJ2EH/EU	AJ052MCJ3EH/EU	
Power Supply	Φ, #, V, Hz			1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Performance	Capacity	Cooling	kW	4	5	5,2	
		Heating		4,4	5,7	6,3	
Power	Maximum number of connectable Indoor Units	EA			2	2	3
		Power Input	kW	1,02	1,32	1,35	
	Current Input	Cooling	A	4,7	6	6,2	
		Heating		4,5	6,2	6,4	
	Current	MCA	A	9,8	11,8	12,2	
		MFA	A	11,25	13,75	13,75	
COP	Cooling	W/W	3,92	3,79	3,85		
	Heating	W/W	4,44	4,22	4,5		
	SEER (Grade)	W/W	6,8	6,4	6,4		
	SCOP (Grade)	W/W	4,3	4,01	4		
Compressor	Type	-			Single BLDC Rotary Inverter	Twin BLDC Rotary Inverter	Twin BLDC Rotary Inverter
	Output	kW x n			2.696 x 1	4.572 x 1	4.572 x 1
	Oil	Type	-			POE	POE
Initial Charge		cc			320	500	500
Fan	Type	-			Propeller Fan	Propeller Fan	Propeller Fan
	Discharge direction	-			Horizontal	Horizontal	Horizontal
	Quantity	EA			1	1	1
	Airflow Rate	CMM			29,7	33,1	38
l/s			494	551	633		
Fan Motor	Model	-			BLDC	BLDC	BLDC
	Output x n	W			40 x 1	40 x 1	40 x 1
Piping Connections	Liquid Pipe	Type	Flare connection			Flare connection	Flare connection
		Φ, mm x EA	6.35 x 2			6.35 x 2	6.35 x 3
		Φ, inch x EA	1/4" x 2			1/4" x 2	1/4" x 3
	Gas Pipe	Type	Flare connection			Flare connection	Flare connection
		Φ, mm x EA	9.52 x 2			9.52 x 1 + 12.7 x 1	9.52 x 2 + 12.7 x 1
		Φ, inch x EA	3/8" x 2			3/8" x 1 + 1/2" x 1	3/8" x 2 + 1/2" x 1
	Installation Limitations	Max. Length	Total	m	30	30	50
			OD-ID	m	20	20	20
Max. Height		OD-ID	m	15	15	15	
		ID-ID	m	7,5	7,5	7,5	
Wiring Connections	Communication	Minimum	mm2	0,75	0,75	0,75	
	Remark	-			F1,F2	F1,F2	F1,F2
Refrigerant	Type	-			R410A	R410A	R410A
	Factory Charging	kg			1,2	1,6	1,9
		tCO2e			2,51	3,34	3,97
Sound	Sound Pressure	Cooling		45	46	46	
		Heating	dB(A)	47	47	47	
	Sound Power				61	61	61
External Dimension	Net Weight	kg			31	36,4	44
	Net Dimensions (WxHxD)	mm			790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
Operating Temp. Range	Cooling	°C			-5 ~ 46	-5 ~ 46	-5 ~ 46
	Heating	°C			-15 ~ 24	-15 ~ 24	-15 ~ 24



AJ068MCJ3EH/EU	AJ070MCJ4EH/EU	AJ080MCJ4EH/EU	AJ100MCJ5EH/EU
1,2,220~240,50	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50
6,8	7	8	10
8	8,6	9,3	12
3	4	4	5
2	1,9	2,3	2,9
1,91	2	2,2	2,93
9,2	8,7	10,5	13,3
8,7	9,2	10,1	13,4
15,5	18,7	18,7	26,2
17,5	20,75	20,75	28,8
3,4	3,68	3,68	3,45
4,19	4,3	4,3	4,1
6,1	5,6	5,3	6,1
4	3,8	3,8	4
Twin BLDC Rotary Inverter			
5.919 x 1	7.766 x 1	7.766 x 1	9.171 x 1
POE	POE	POE	PVE
650	650	700	1200
Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
Horizontal	Horizontal	Horizontal	Horizontal
1	1	1	1
47,5	44,8	45,4	70,6
792	747	757	1176
BLDC	BLDC	BLDC	BLDC
124 x 1	124 x 1	124 x 1	125 x 1
Flare connection	Flare connection	Flare connection	Flare connection
6.35 x 3	6.35 x 4	6.35 x 4	6.35 x 5
1/4" x 3	1/4" x 4	1/4" x 4	1/4" x 5
Flare connection	Flare connection	Flare connection	Flare connection
9.52 x 1 + 12.7 x 2	9.52 x 2 + 12.7 x 2	9.52 x 2 + 12.7 x 2	9.52 x 2 + 12.7 x 3
3/8" x 1 + 1/2" x 2	3/8" x 2 + 1/2" x 2	3/8" x 2 + 1/2" x 2	3/8" x 2 + 1/2" x 3
50	70	70	80
20	25	25	25
15	15	15	15
7,5	7,5	7,5	7,5
0,75	0,75	0,75	0,75
F1,F2	F1,F2	F1,F2	F1,F2
R410A	R410A	R410A	R410A
2,2	2,8	2,8	3,3
4,59	5,85	5,85	6,89
48	48	49	54
49	49	50	56
64	64	64	70
55,6	62	62	77
880 x 793 x 310	880 x 793 x 310	880 x 793 x 310	940 x 998 x 330
-5 ~ 46	-5 ~ 46	-5 ~ 46	-10 ~ 46
-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24

Residential

Multi Split

Commercial

VRF

Chiller

Ventilation

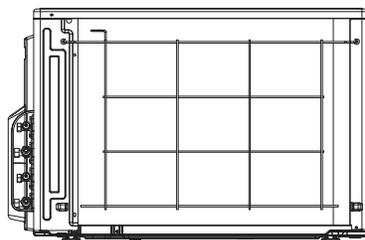
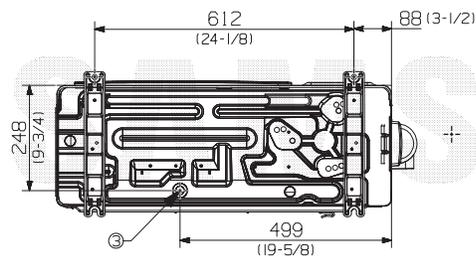
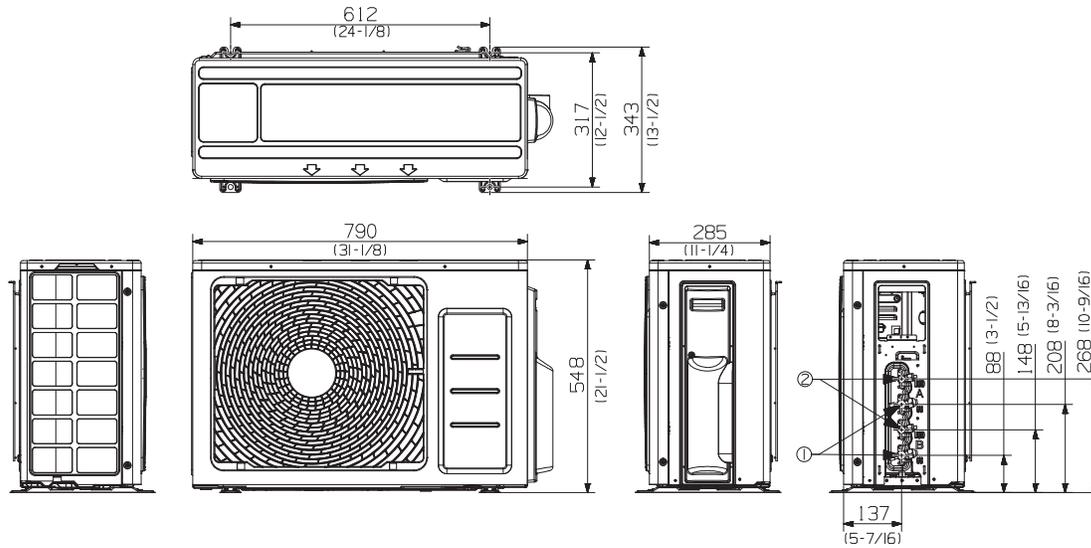
Air-to-Water Heating

Controls & Accessories

Dimensional Drawings

Outdoor Units (R410A)

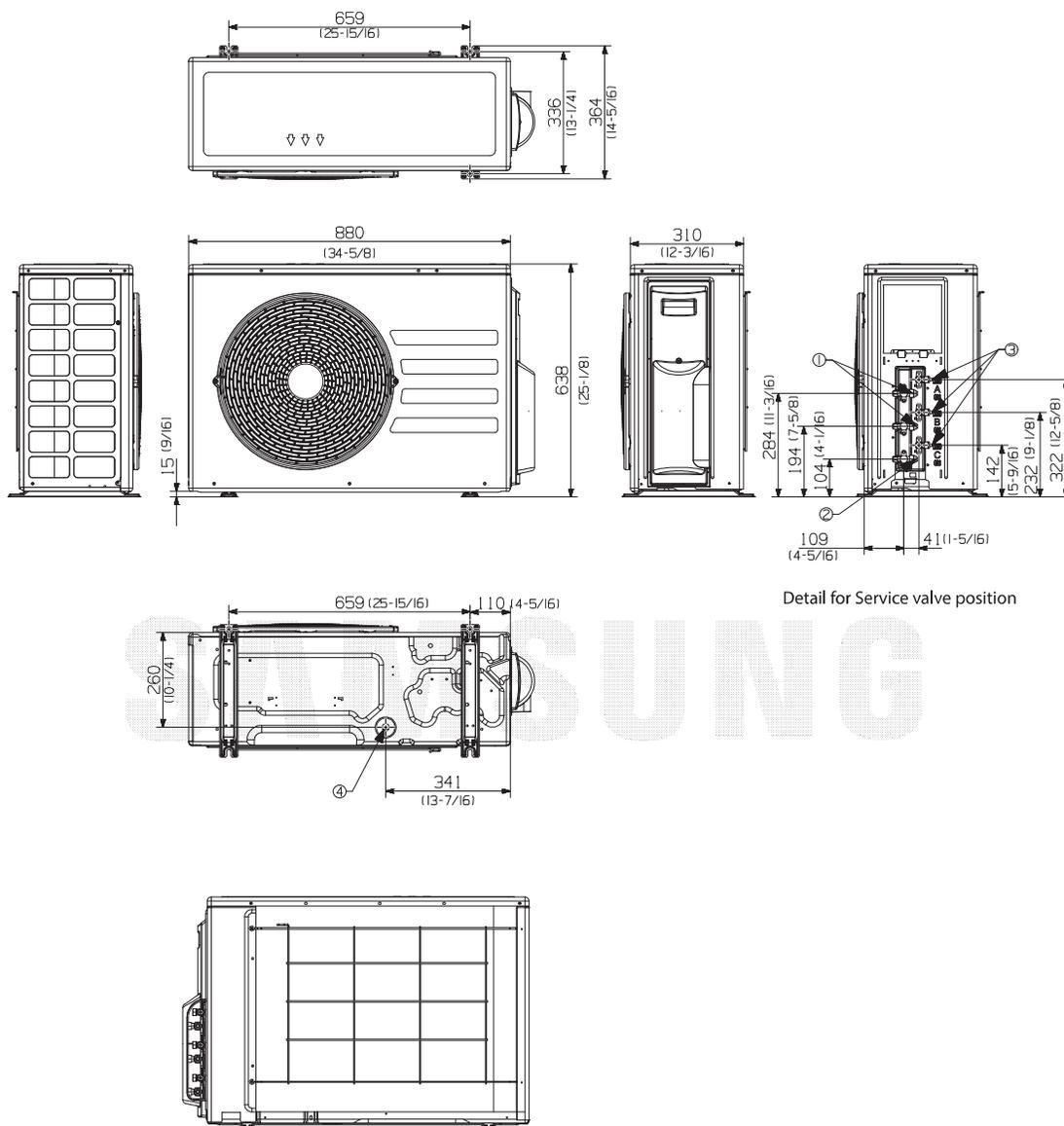
AJ040/050MCJ2EH**



Rear View

No.	Name	Description
		AJ040/MCJ2EH** AJ050MCJ2EH**
1	Refrigerant gas pipe	Φ9.52 (Φ3/8) x 2EA Φ12.7 (Φ1/2) x 1EA Φ9.52 (Φ3/8) x 1EA
2	Refrigerant liquid pipe	Φ6.35 (Φ1/4) x 2EA
3	Drain hole	Connection with the provided drain plug.

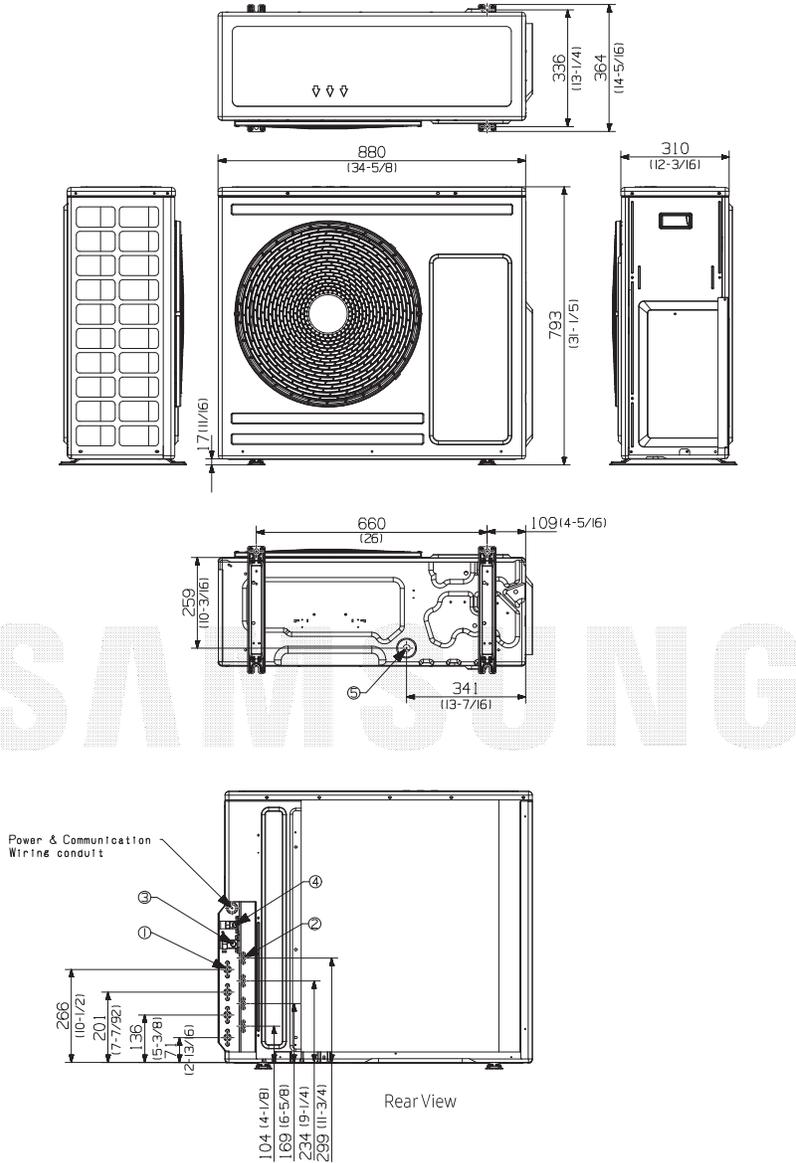
AJ052MCJ3EHX-X



No.	Name	Description
1	Refrigerant gas pipe	Φ9.52 (Φ3/8) X 2EA
2	Refrigerant liquid pipe	2 Φ12.7 (Φ1/2) X 1EA
3	Drain hole	Φ6.35 (Φ1/4) X 3EA
4	Drain hole	Connection with the provided drain plug.

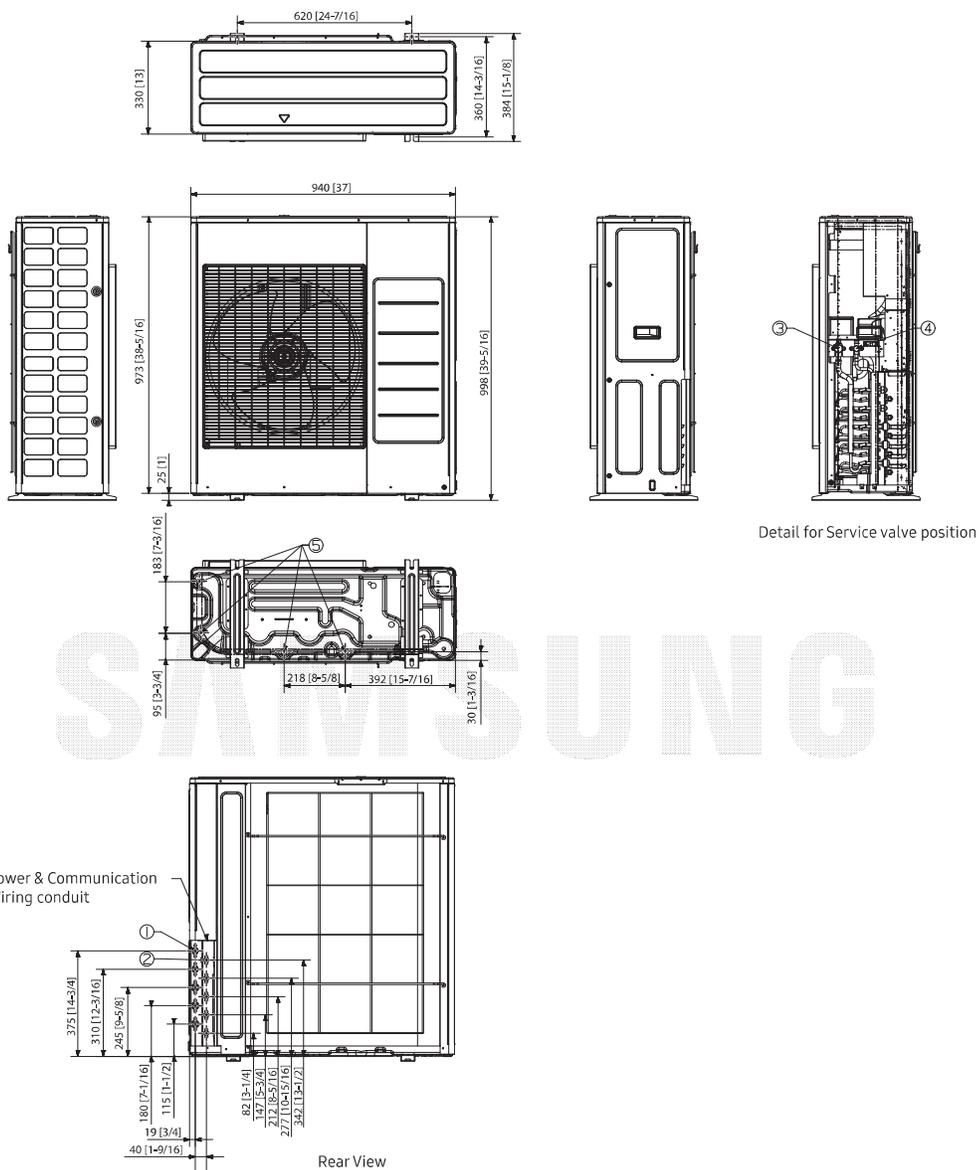
Outdoor Units (R410A)

AJ068MCJ3EH***, AJ070/080MCJ4EH***



No.	Name	Description		
		AJ068MCJ3EH**	AJ070MCJ4EH**	AJ080MCJ4EH**
1	Refrigerant gas pipe	Φ9.52 (Φ3/8) x 1EA, Φ12.7 (Φ1/2) x 2EA	Φ9.52 (Φ3/8) x 2EA, Φ12.7 (Φ1/2) x 2EA	Φ9.52 (Φ3/8) x 2EA, Φ12.7 (Φ1/2) x 2EA
2	Refrigerant liquid pipe	Φ6.35 (Φ1/4) x 3EA		Φ6.35 (Φ1/4) x 4EA
3	Service valve (gas)		K-Type 5/8"	
4	Service valve (liquid)		T-Type 3/8"	
5	Drain hole	Connection with the provided drain plug.		

AJ100MCJ5EHX-X



No.	Name	Description
1	Refrigerant gas pipe	Φ9.52 (Φ3/8) x 2EA, Φ12.7 (Φ1/2) x 3EA
2	Refrigerant liquid pipe	Φ6.35 (Φ1/4) x 5EA
3	Service vlave (gas)	5/8"
4	Service vlave (liquid)	3/8"
5	Drain hole	Connection with the provided drain plug.