



Residential



Specifications




Wind-Free™ Standard

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

Model	Indoor Unit		AR09RXWXCWKNEU	AR12RXWXCWKNEU	AR18RXWXCWKNEU	AR24RXWXCWKNEU	
	Outdoor Unit		AR09RXWXCWKXEU	AR12RXWXCWKXEU	AR18RXWXCWKXEU	AR24RXWXCWKXEU	
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	6,5
		Heating		3,20	3,50	6	7,4
Energy Efficiency	EER (Cooling)	-	3,35	2,87	3,6	3,33	
	Pdesignc	kW	2,80	3,50	TBD	TBD	
	COP (Heating)	-	3,81	3,68	3,51	3,15	
	Pdesignh	kW	2,10	2,20	TBD	TBD	
	SEER (Cooling)	-	6,40	6,10	6,8	6,4	
	Ratio	-	A++	A++	A++	A++	
	Indicative Annual Energy Consumption (QCE)	kWh/a	150,00	201,00	TBD	TBD	
	SCOP (Heating)	-	3,80	3,80	3,8	3,8	
	Ratio	-	A	A	A	A	
	Indicative Annual Energy Consumption (QHE)	kWh/a	774,00	811,00	TBD	TBD	
Fan	Type	-	Cross flow Fan	Cross flow Fan	TBD	TBD	
	Quantity	EA	1	1	1	1	
	Airflow Rate	Max.	m³/min	9,3	10,8	15,9	17,6
		l/s	155	180	2	2,5	
Fan Motor	Type	-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	
	Output x n	W	27 x 1	27 x 1	TBD	TBD	
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	TBD	TBD		
Wiring connections	For Power Supply	Min.	mm²	1,5	TBD	TBD	
	For Connection with Indoor	Min.	mm²	0,75	0,75	TBD	
	Remark	-	F1/F2	F1/F2	TBD	TBD	
Refrigerant	Type	-	R32	R32	R32	R32	
	GWP: Global Warming Potential	-	675	675	675	675	
	Factory Charging	kg	0,70	0,70	1,15	1,15	
	CO ₂ Value	tCO ₂	0,47	0,47	0,78	0,78	
Sound	Sound Pressure Level	H/L	dB(A)	37 / 19	40 / 19	58	62
	Sound Power	Cooling	dB(A)	54	59	65	68
Dimensions	Net Weight	Indoor	kg	9,4	9,4	TBD	TBD
		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*301*311	1065*301*311
		Outdoor		660 x 475 x 242	660 x 475 x 242	880*638*310	880*638*310
Additional Accessories	Air Filter	-	Easy Filter +	Easy Filter +	Easy Filter +	Easy Filter +	
	SPI Ionizer	-	No	No	No	No	

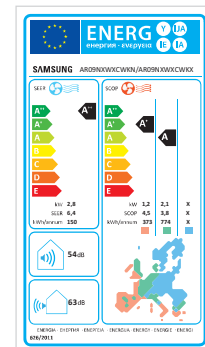
Accessory

Included



Wireless Remote Controller

TBD



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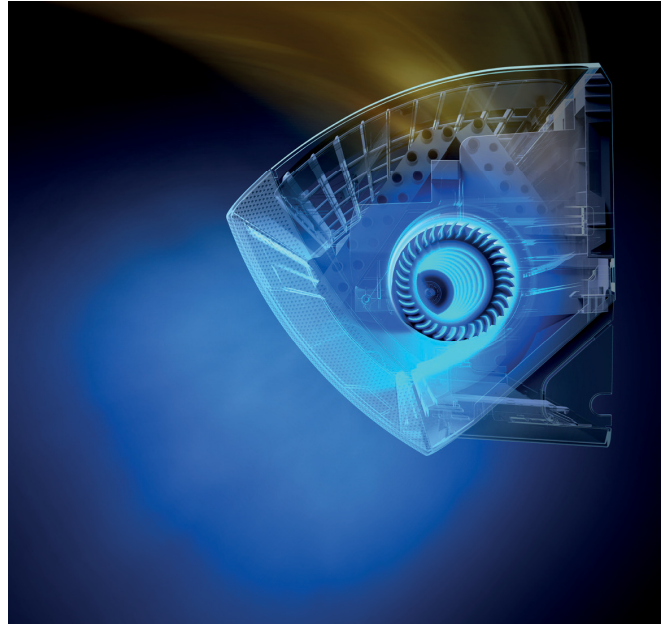
Featured Products

Wall Mounted Air Conditioners

What is Wind-Free™ Cooling Technology?

Wind-Free™ Cooling disperses a gentle flow of air evenly through 21,000 micro holes. These micro holes are paramount in creating a kind of airflow called still air*, which cools the room gradually and noticeably with no draughts.

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



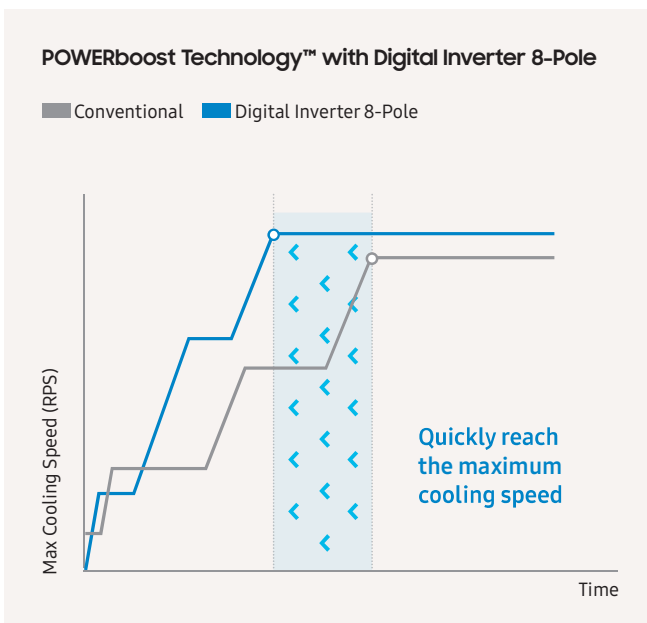
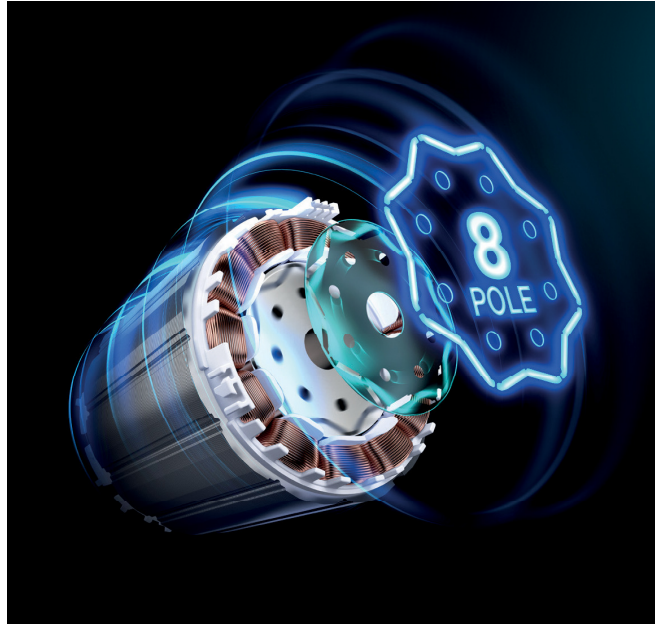
Keep Comfortable Without Changing Settings

The Samsung Wind-Free™ air conditioner's 2-Step Cooling mode cools the air quickly and efficiently in Fast Cooling mode, then automatically changes to Wind-Free™ Cooling mode to maintain the temperature. The room stays comfortably cool without cold spots, with no need to change any settings.

8-Pole Inverter

The 8-pole inverter is the core of Samsung's advanced Digital Inverter Technology. It utilises the world's first 8-pole motor (as opposed to a 4-pole motor) in an outdoor unit's compressor, meaning less torque fluctuation. This ensures more effective operation with less vibration. It also reduces energy consumption*, keeping it cost-effective.

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



POWERboost™

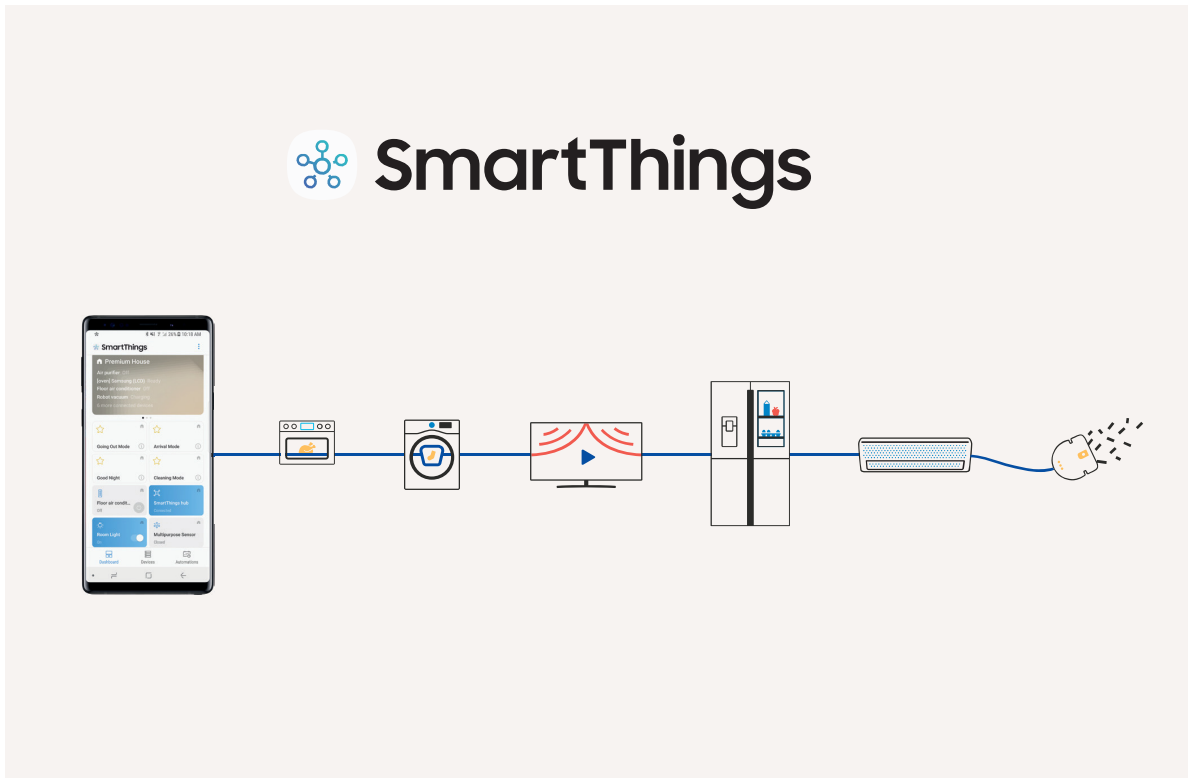
Innovative POWERboost™ Technology and the Digital Inverter 8-Pole dramatically lessens the time it takes for a compressor to reach maximum Hz upon operation*. So your space gets cooler much quicker.

* Tested on model AR12KSWDHWK compared with Samsung's conventional model AR12FSS5BWK.

Featured Products



Samsung SmartThings



SmartThings

Samsung air conditioners offer Wi-Fi control using the Samsung SmartThings App on your smartphone, which lets you remotely turn the unit on and off, control its functions and schedule its operation at any time and anywhere.¹ Through the SmartThings App you can also control and monitor other 'Smart' appliances in your home, such as your washing machine, vacuum cleaner and refrigerator².

Available functions

- Control your air conditioner remotely
- Energy consumption control and monitoring
- Coordinate your air conditioner and other Samsung appliances
- Plan weekly schedules
- Filter change monitoring
- Estimate seasonal usage and expected costs

¹ Available on iPhones and Android devices. A network connection is required. Samsung application account is necessary.
² Consult relevant user guide/manual to ensure product compatibility with Samsung SmartThings.