

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.



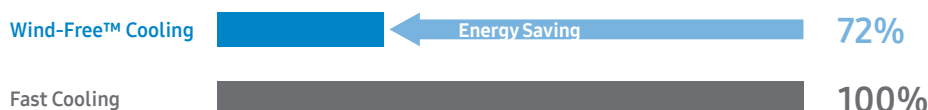
With Wind-Free™ Cooling, cool air is gently dispersed across the room through 21,000 micro air holes. It creates a 'still air' environment with a very low air speed of just 0.15m/s and no temperature fluctuation – so there are no annoying drafts and you do not feel too cold, just really comfortable.

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 AR07MS170HA, 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.

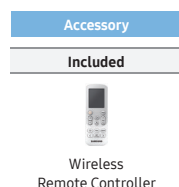
Specifications

Wind-Free™ Ultra

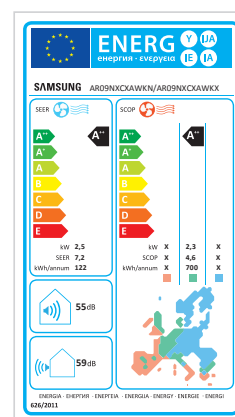


- Wind-Free™ Cooling
- PM2.5 Filter
- Ionizer (SPI)
- Wi-Fi Control - Samsung SmartThings

Model	Indoor Unit			AR09NXCAWKNEU	AR12NXCAWKNEU
	Outdoor Unit			AR09NXCAWKXEU	AR12NXCAWKXEU
Power Supply	Φ, V, Hz			1P/220-240V/50Hz	1P/220-240V/50Hz
Performance	Capacity	Cooling	kW	2,50	3,50
		Heating	kW	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.	m³/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"
Wiring connections	Drain Pipe	Φ, mm		ID18mm Hose	ID18mm Hose
	For Power Supply	Min.	mm²	1,5	1,5
Refrigerant	For Connection with Indoor	Min.	mm²	0,75	0,75
	Remark	-		F1/F2	F1/F2
	Type	-		R32	R32
Sound	GWP: Global Warming Potential	-		675	675
	Factory Charging	kg		0,85	0,85
	CO ₂ Value	tCO ₂		0,58	0,58
	Sound Pressure Level	H/L	dB(A)	38/16	40/16
Dimensions	Sound Power	Cooling	dB(A)	56	58
		Heating	dB(A)	56	58
	Net Weight	Indoor	kg	11,3	11,3
		Outdoor	kg	33,2	33,2
Additional Accessories	Net Dimensions (W×H×D)	Indoor	mm	828 x 295 x 265	828 x 295 x 265
		Outdoor	mm	790 x 548 x 285	790 x 548 x 285
	Air Filter	-		PM2.5 Filter	PM2.5 Filter
	SPI Ionizer	-		Yes	Yes



Wireless Remote Controller



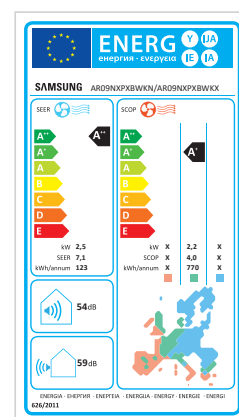
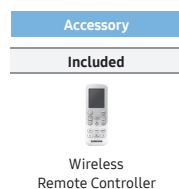
Specifications

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	kW	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"
Wiring connections	Drain Pipe		Φ, mm	ID18mm Hose	ID18mm Hose	ID18mm Hose	ID18mm Hose
	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
Refrigerant	Remark			F1/F2	F1/F2	F1/F2	F1/F2
	Type	-		R32	R32	R410A	R410A
	GWP: Global Warming Potential	-		675	675	2088	2088
	Factory Charging	kg		0,75	0,75	1,30	1,45
Sound	CO ₂ Value	tCO ₂		0,51	0,51	2,71	3,03
	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



Specifications

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

Model	Indoor Unit			AR09NXWCWKNEU	AR12NXWCWKNEU	AR18NSWCWKNEU	AR24NSWCWKNEU
	Outdoor Unit			AR09NXWCWKXEU	AR12NXWCWKXEU	AR18NSWCWKXEU	AR24NSWCWKXEU
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
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
	CO₂ Value		tCO₂	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

