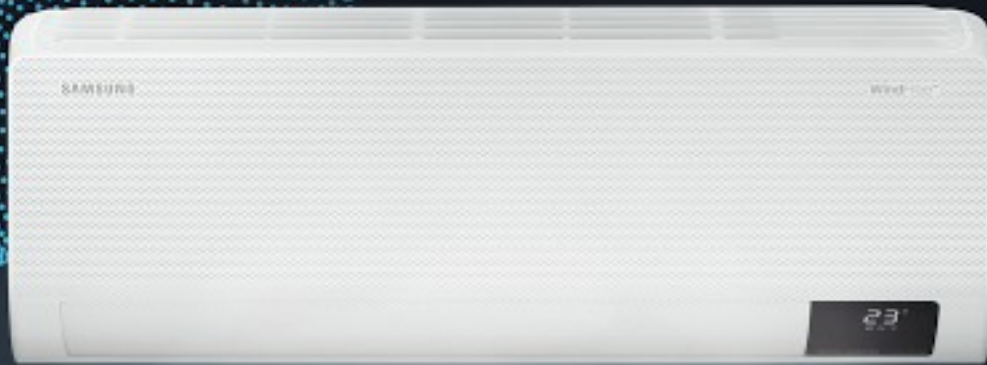


SAMSUNG
Climate Solutions



Find your flow.

Create your perfect environment.

samsung.com/windfree

WindFree™ Comfort

WindFree™ Comfort

The Samsung WindFree™ range keeps you comfortably cool without any cold drafts. It provides intelligent home climate comfort thanks to smart controls that adapt to your personal preferences, automatically maintaining optimal conditions.



WindFree™ Cooling

WindFree™ technology enhances your indoor comfort by using thousands of micro-holes to disperse air uniformly without any unpleasant blasts of cold wind. In WindFree™ mode, air is spread softly and silently, creating a 'Still Air'¹ environment that provides you total well-being day and night.



Smart Operation

AI Auto Comfort² introduces you to an intelligent way of living. It analyses your room conditions and usage patterns³, and then automatically adjusts the temperature. Temperatures can also be managed remotely using the SmartThings App². Turning it on and off, selecting the cooling mode, scheduling its operation and monitoring your air conditioner's power consumption is just one touch away.



R32 Refrigerant

The Samsung WindFree™ Comfort air conditioner uses R32 refrigerant. The R32 refrigerant has a lower Global Warming Potential (GWP) than conventional R410A refrigerant, so it is more environmentally friendly⁴. Samsung's Single Split (RAC), Multi Split (FJM) and Commercial Split (CAC) product ranges upto 14 kW all feature R32 refrigerant.

¹ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines 'Still Air' as air currents at speeds below 0.15m/s which lacks the presence of cold drafts.

²A Wi-Fi connection and Samsung SmartThings application account are required. Requires iOS 10.0 or later & Android 5.0 or later.

³Stores user data, preferences and usage patterns to suggest the most useful options. ⁴Air conditioners with R32 refrigerant have a Global Warming Potential (GWP) of 675, which is significantly lower than the GWP of R410A (2,088).



Step 1

The front panel opens, and Fast Cooling mode cools the room quickly from corner to corner.



Step 2

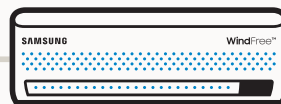
The set temperature is reached in Fast Cooling mode, and the front panel closes.



Step 3

WindFree™ mode spreads air uniformly through thousands of micro-holes.

Unique Samsung Solution



WindFree™ Indoor Unit

Thousands of micro-holes disperse air uniformly



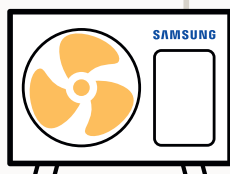
Wi-Fi Control

With Bixby⁵ voice control

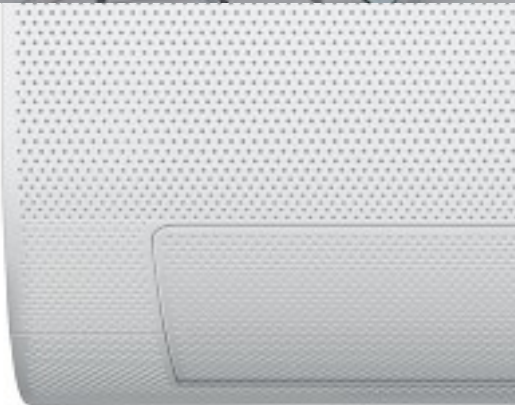


Compact Outdoor Unit

Available capacities: 2.5-6.8 kW



⁵Bixby 2.0 Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish and Portuguese.



Easy Filter Plus

Unlike conventional filters that may be difficult to access the Easy Filter Plus is located externally on the top of the unit. This means it can be easily removed and cleaned without needing to open a cover or pull hard on it. Thanks to the filter's dense mesh it's very effective at capturing dust and therefore keeping the Heat Exchanger clean and working efficiently. The special coating on the filter helps protect residents from certain airborne contaminants¹.

¹ Tested in external Korean test lab (FITI). Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use.



Voice Control

Supports voice control with Bixby 2.0¹. A user can simply command the device to obtain optimal indoor climate¹. To enable this function a Wi-Fi connection and Samsung SmartThings application account are required².

In addition it is also compatible with Google Assistant & Amazon Alexa³.

¹ Currently Voice control is supported in English (US, UK, Indian), Chinese, Korean, French, German, Italian, Spanish and Portuguese.

² Requires iOS 10.0 or later & Android 5.0 or later.

³ For supported commands, please check Amazon Alexa or Google Assistant website.



AI Auto Comfort

AI Auto Comfort¹ introduces you to an intelligent way of living. To make life simpler and more efficient, it analyses room conditions and usage patterns². Based on your preference and the temperatures outside, it automatically adjusts the temperature to optimise the room's climate conditions, guaranteeing total comfort at all times.

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





Specifications

WindFree™ Comfort



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

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

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

Accessory



Wireless Remote Controller (included)	Advanced Wired Controller ²	Simple Type Controller ²	Touch Controller ²
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

² MIM-A00N Interface is required for the connection to wired remote controllers.

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Learn more about Samsung Climate Solutions at:
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