

**SAMSUNG**

**Wind-Free™\***



# Its lack of wind will blow you away.

## The Wind-Free™\* air conditioner

Who likes feeling chilly drafts in their home? No one. That's why we created our most innovative heat pump to date. We honestly think you'll be blown away. Figuratively speaking, of course.

\* The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

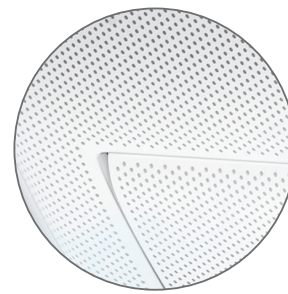
© 2019 Samsung HVAC

Product Registration Required  
Conditions Apply



## Holey moley.

This is unbelievable: Thanks to micro holes, we stop cold drafts from happening. Located in the unit's front panel, these tiny feats of engineering maintain the desired room temperature by gently and calmly dispersing cool air through a room. So you'll feel really comfortable, but surprisingly, you won't feel annoying, cold drafts.



MICRO HOLES

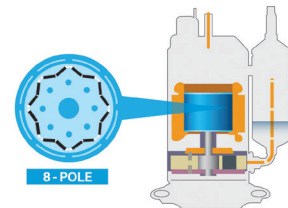
## Fast track your comfort.

The unit's 2-Step Cooling mode cools the air incredibly fast in Fast Cool mode, then automatically changes to Wind-Free™\* Cooling mode and maintains the temperature. You'll be cool and comfortable in no time flat.



## Beautiful from the inside out.

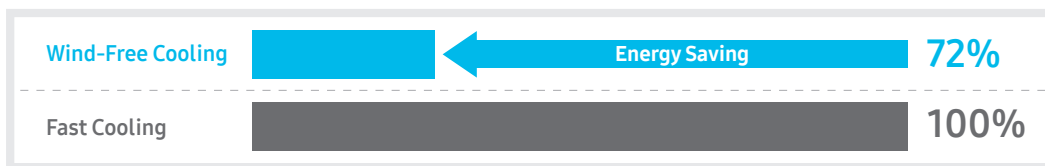
At the heart of the Wind-Free™\* air conditioner is the Samsung Digital Inverter compressor. Technology that makes the unit extraordinarily quiet, durable and efficient. It's quite the attractive feature.



DIGITAL INVERTER 8-POLE

## It's a savings machine.

The Wind-Free™\* air conditioner was designed with both energy and monetary savings in mind. During Wind-Free™\* Cooling mode, the unit consumes 72% less energy<sup>†</sup> than Fast Cooling mode. Savings you'll happily notice when the electricity bill comes around.



## Cool, calm and connected.





The Wind-Free™\* air conditioner's built-in Wi-Fi gives you control over your unit, whether you're home or not. Through the SmartThings app, you can control your system from almost anywhere, at any time.<sup>‡</sup> What's even smarter? The app also allows you to monitor, control, and automate a wide range of connected devices in your home. Now that's intelligent.

\* The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).  
<sup>†</sup> 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.  
<sup>‡</sup> Available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.

# Wind-Free™ \*

## SPECIFICATIONS - 9,000 | 12,000 | 18,000

MODEL	INDOOR UNIT		AR09MSWCWKNCV	AR12MSWCWKNCV	AR18NSWCWKNCV
	OUTDOOR UNIT		AR09MSWCWKXCV	AR12MSWCWKXCV	AR18NSWCWKXCV
PERFORMANCE	CAPACITY	COOLING	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h
		HEATING	11,000 Btu/h	13,600 Btu/h	20,600 Btu/h
	CAPACITY RANGE	COOLING	2,200 - 11,000 Btu/h	2,200 - 13,600 Btu/h	7,500 - 23,884 Btu/h
		HEATING	3,000 - 13,600 Btu/h	3,000 - 16,500 Btu/h	7,000 - 30,000 Btu/h
	SEER / EER		21.00 / 14.05	19.50 / 11.45	20.00 / 13.00
	COP		3.75	3.62	3.71
	HSPF		10.00	9.50	10.00
POWER	VOLTAGE	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	MAX. BREAKER		15.0 A	15.0 A	30.0 A
	MIN. CIRCUIT AMPACITY		11.1 A	11.1 A	19.0 A
DIMENSIONS	W X H X D	INDOOR	32 5/8 X 10 1/2 X 10 7/16 in.	32 5/8 X 10 1/2 X 10 7/16 in.	41 15/16 X 11 7/8 X 12 1/4 in.
		OUTDOOR	31 1/8 X 21 9/16 X 11 1/4 in.	31 1/8 X 21 9/16 X 11 1/4 in.	34 5/8 X 31 1/4 X 12 3/16 in.
	WEIGHT	INDOOR	22.26 lbs.	22.26 lbs.	31.75 lbs.
		OUTDOOR	72.75 lbs.	72.75 lbs.	123.90 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	22 / 38 dB(A)	22 / 39 dB(A)	25 / 42 dB(A)
	OUTDOOR	HIGH	45 dB(A)	47 dB(A)	51 dB(A)
OPERATING TEMPERATURE	OUTDOOR	COOLING	14.0 - 115.0°F -10.0 - 46.1°C	14.0 - 115.0°F -10.0 - 46.1°C	14.0 - 115.0°F -10.0 - 46.1°C
		HEATING	5.0 - 75.0°F -15.0 - 23.9°C	5.0 - 75.0°F -15.0 - 23.9°C	5.0 - 75.0°F -15.0 - 23.9°C
PIPE CONNECTIONS	INDOOR & OUTDOOR	HIGH SIDE (FLARE)	1/4 in.	1/4 in.	1/4 in.
		LOW SIDE (FLARE)	3/8 in.	3/8 in.	1/2 in.
	MAX. LINE SET LENGTH		50 ft.	50 ft.	98 ft.
	MAX. VERTICAL SEPARATION		26.2 ft.	26.2 ft.	66 ft.
CONDENSATE CONNECTION			11/16 in. OD	11/16 in. OD	11/16 in. OD
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		38.88 oz.	38.88 oz.	65.52 oz.
	CHARGED FOR		25 ft.	25 ft.	25 ft.
COMPRESSOR	TYPE		BLDC Rotary	BLDC Rotary	BLDC Rotary
EVAPORATOR FAN	TYPE		BLDC With Crossflow Fan (1)	BLDC With Crossflow Fan (1)	BLDC With Crossflow Fan (1)
	AIR VOLUME	CFM (L / M / H / T)	212 / 254 / 290 / 325	226 / 268 / 314 / 350	364 / 438 / 494 / 551
CONDENSER FAN	MOTOR		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	CFM (MAX.)		1,400	1,400	2,013
ACCESSORIES	WIRED CONTROLLER	STANDARD <sup>1</sup>	AR-WRS02	AR-WRS02	AR-WRS02
		PREMIUM <sup>2</sup>	AR-WRP2	AR-WRP2	AR-WRP2
	WIRELESS CONTROLLER		Included	Included	Included
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV 110-250	ASP-MO-UNIV 110-250	ASP-MO-UNIV 110-250
		BLUE DIAMOND	BD-BLUE230	BD-BLUE230	BD-BLUE230
	WALL BRACKET (FOR OUTDOOR UNIT)		CKN-250	CKN-250	CKN-250
	WIND BAFFLE/GUARD	FRONT	WBF-3M	WBF-3M	WBF-4M
		BACK	WBB-5M	WBB-5M	WBB-7M
LINE SETS - INSULATED AND FLARED, INTERCONNECT CABLES INCLUDED			25' - ILS2506	25' - ILS2506	25' - ILS2507
			50' - ILS5006	50' - ILS5006	50' - ILS5007
CERTIFICATIONS	ENERGY STAR® CERTIFIED			-	



Product registration required.  
Conditions apply.



The AHRI Certified® mark indicates Samsung's participation in the AHRI Certification program. For verification of individual certified products, go to [www.ahridirectory.org](http://www.ahridirectory.org).



\* The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

<sup>1</sup> AR-WRS02 includes MWR-WH00U wired controller, sub-PCB, and sub-PCB connection harness

<sup>2</sup> AR-WRP2 includes MWR-WE13U wired controller, sub-PCB, and sub-PCB connection harness


Select models are ENERGY STAR® labeled.

Proper sizing and installation of equipment is critical to achieve performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

# Wind-Free™ \*

## SPECIFICATIONS - 24,000

MODEL	INDOOR UNIT		AR24NSWCWKNCV
	OUTDOOR UNIT		AR24NSWCWKXCV
PERFORMANCE	CAPACITY	COOLING	21,000 Btu/h
		HEATING	27,500 Btu/h
	CAPACITY RANGE	COOLING	8,800 - 31,700 Btu/h
		HEATING	7,500 - 41,000 Btu/h
	SEER / EER		20.00 / 12.50
	COP		3.36
	HSPF		10.00
POWER	VOLTAGE	ø / V / Hz	1 / 208-230 / 60
	MAX. BREAKER		30.0 A
	MIN. CIRCUIT AMPACITY		20.0 A
DIMENSIONS	W X H X D	INDOOR	41 15/16 X 11 7/8 X 12 1/4 in.
		OUTDOOR	37 X 39 11/16 X 13 in.
	WEIGHT	INDOOR	31.75 lbs.
		OUTDOOR	147.70 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	28 / 47 dB(A)
	OUTDOOR	HIGH	56 dB(A)
OPERATING TEMPERATURE	OUTDOOR	COOLING	14.0 - 115.0°F -10.0 - 46.1°C
		HEATING	5.0 - 75.0°F -15.0 - 23.9°C
PIPE CONNECTIONS	INDOOR & OUTDOOR	HIGH SIDE (FLARE)	1/4 in.
		LOW SIDE (FLARE)	5/8 in.
	MAX. LINE SET LENGTH		98 ft.
	MAX. VERTICAL SEPARATION		66 ft.
REFRIGERANT	TYPE		R410A
	FACTORY CHARGE		88.16 oz.
	CHARGED FOR		25 ft.
COMPRESSOR	TYPE		BLDC Rotary
EVAPORATOR FAN	TYPE		BLDC With Crossflow Fan (1)
	AIR VOLUME	CFM (L / M / H / T)	403 / 494 / 586 / 660
CONDENSER FAN	MOTOR		BLDC With Axial Type Fan (1)
	CFM (MAX.)		2,825
ACCESSORIES	WIRED CONTROLLER	STANDARD <sup>1</sup>	AR-WRS02
		PREMIUM <sup>2</sup>	AR-WRP2
	WIRELESS CONTROLLER		Included
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230
	WALL BRACKET (FOR OUTDOOR UNIT)		CKN-250
	WIND BAFFLE/GUARD	FRONT	WBF-2M
		BACK	WBB-3M
CERTIFICATIONS	ENERGY STAR® CERTIFIED		
			



Product registration required.  
Conditions apply.



The AHRI Certified® mark indicates Samsung's participation in the AHRI Certification program. For verification of individual certified products, go to [www.ahridirectory.org](http://www.ahridirectory.org).



\* The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

<sup>1</sup> AR-WRS02 includes MWR-WH00U wired controller, sub-PCB, and sub-PCB connection harness

<sup>2</sup> AR-WRP2 includes MWR-WET3U wired controller, sub-PCB, and sub-PCB connection harness

Select models are ENERGY STAR® labeled.

Proper sizing and installation of equipment is critical to achieve performance. Split system air conditioners and eat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

© 2019 Samsung HVAC