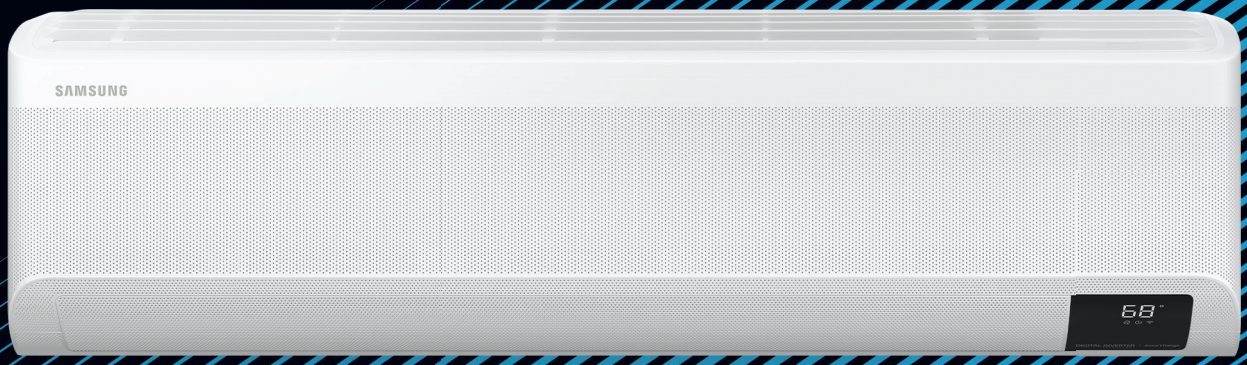
SAMSUNG

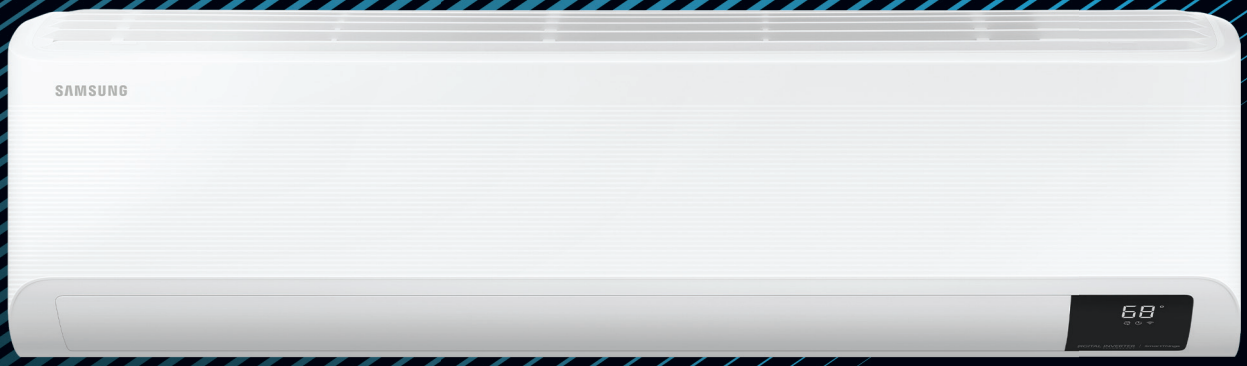
Residential Mini Splits

Meet the new all-stars of residential heating and air conditioning.

With better performance and reduced power consumption, smart operation, easier installation and improved serviceability, the new residential lineup from Samsung HVAC is ready for action.

Wind-Free™* 2.0





Quantum 2.0

10 YEAR WARRANTY

Product Registration Required
Conditions Apply

*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).

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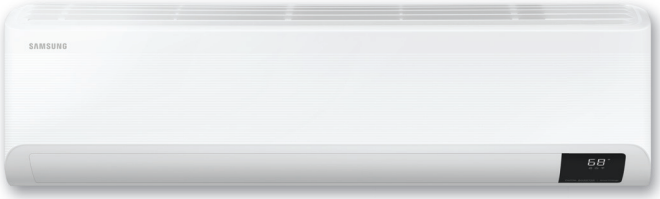
Meet your starting lineup.

Wind-Free™* 2.0



Quantum 2.0

Features:

Total Control

Wind-Free™* 2.0 and Quantum 2.0 units come with built-in Wi-Fi, allowing users to remotely regulate temperature, adjust settings, receive real-time updates about system performance and energy usage, as well as troubleshoot solutions when a repair is needed. Compatible with SmartThings app† and Bixby 2.0^.

Control Features

- On/Off
- Fan Speed
- Temperature Setting
- Wind Direction
- Wind-Free™* Mode[1]
- Schedule
- Good Sleep Mode
- Options:
  - 2-Step
  - Fast
  - Comfort
  - Quiet
  - Single User

SmartThings Features

Scenes – Control multiple devices with a single tap or voice command through the SmartThings app. A Scene can be used as a part of an Automation.

Automations – Control your devices without manual intervention. Automations can be set to run at certain times on certain days of the week or to trigger when another device reports a certain condition (such as detecting motion or a door or window opening).

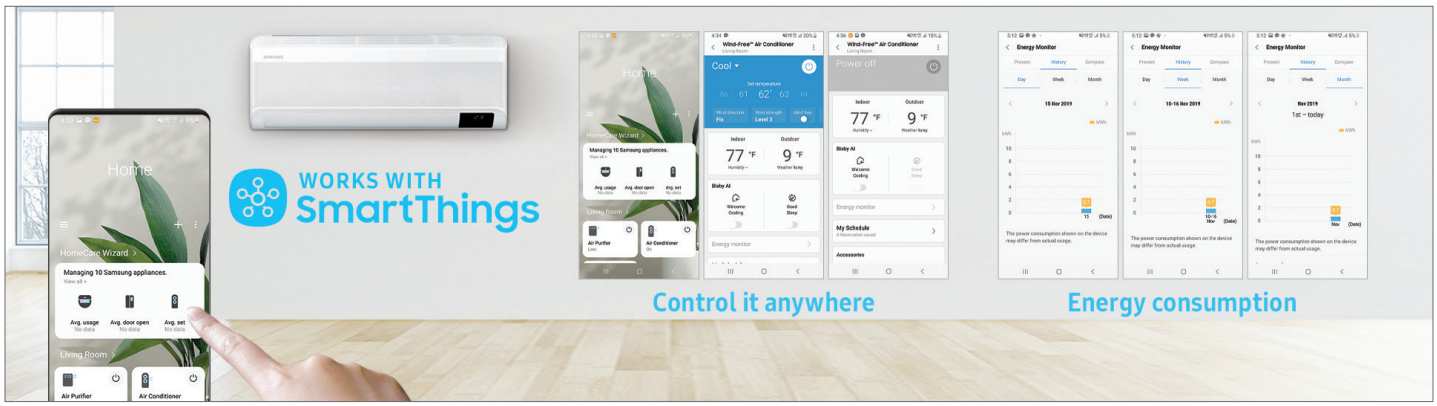
Energy Monitoring – View daily, weekly, and monthly energy consumption for your A/C system (for reference use only and not revenue grade).

Geofencing – Detects when the smartphone you're carrying comes in and out of the range you set up on the map, and then triggers the different actions you've set to happen (such as turning your A/C off while you're away, or on when you arrive home).

Bixby

Bixby is Samsung's scalable AI platform, built to support multiple devices in your life in a more conversational, more personal, and more useful way.

To learn more, visit Samsung.com/bixby



†Available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.
^Bixby voice recognizes English (U.S.) Mandarin Chinese and Korean. Not all accents, dialects and expressions are recognized. The list of features that can be controlled by voice commands via Bixby will continue to expand. Mobile functionality compatible with Samsung Galaxy 8 series or higher with Bixby function. Samsung account login and data network (Wi-Fi or internet connection) required to fully operate Bixby features.
[1]Applies to Wind-Free™* models only
*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).
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Seamless Operation

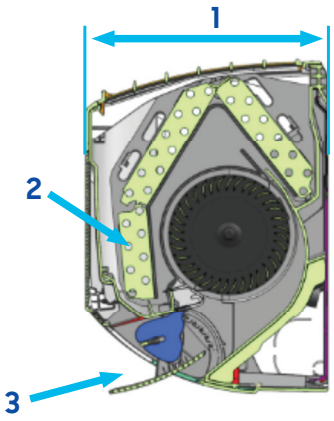
AI Auto Mode[1] monitors indoor temperature, outdoor temperature, set temperature, and operating time to learn the patterns within your home and automatically adjust system operation to maximize comfort.

High Performance

The Digital Inverter compressor's variable speed control allows the compressor to operate at precisely the speed needed to maintain the set temperature without turning the system on and off.

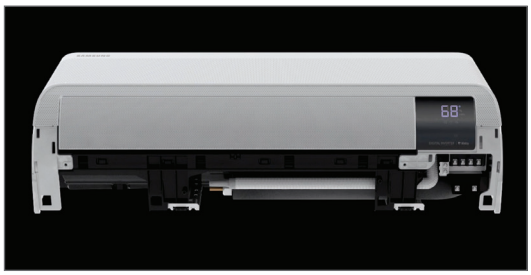
Superior Indoor Unit Design

1. Reduced size making it less obstrusive in the space^
2. 3-sided coil design for more even temperature leaving the evaporator coil
3. Upward motion of the louver prevents cold drafts from affecting occupants



Improved Serviceability

The new indoor unit design incorporates more interlocking components in place of threaded fasteners to reduce the time and effort it takes to install and service a system.



Reusable Filter

The filter is located on the top of the unit, making it easy to remove, clean, and put back.

[1]Enable AI Auto Mode using the SmartThings app. Available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.
^Compared to previous triangle-design models
*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).
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Reduced Power Consumption

Single user mode uses less compressor capacity to reduce power consumption when users are home alone.

Dual Set Point (DSP) Function

DSP function allows users to specify separate heating mode and cooling mode set temperatures (set points).

(enabled by default; requires MWR-WG00UN wired controller)

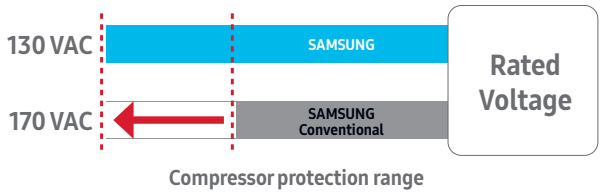
Simple Float Switch Connection

Wind-Free™* 2.0 and Quantum 2.0 units come with a factory-installed wire harness for simple connection to third party overflow detection devices for unit shutdown with a dedicated error code. This can also be used for simple unit ON/OFF using any dry connection.

Enhanced Triple Protector Plus

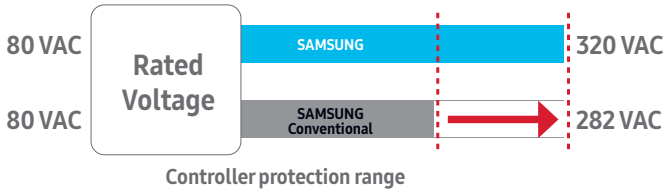
1 COMPRESSOR PROTECTION

Prevent damage from low voltage



2 CONTROLLER (PCB) PROTECTION

Constant voltage control prevents damage from high voltage



3 FIN PROTECTION

Made of corrosion-resistant material to protect the condenser from rusting. Corrosion-resistant was proven using the Salt Spray Test for 480 hours.

Normal Working Range: 187 ~ 265 VAC. The voltage value may vary because the voltage ripple value is different depending on the load and ambient conditions. Tested on the AR12TXEAAWKNEU model compared with the Samsung conventional model AS18FCMID.
*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).
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Wind-Free™* 2.0

Wind-Free™* cooling technology maintains the desired temperature and eliminates cold drafts by delivering air through micro holes on the unit's louver and fascia panel when the louver is closed, producing a dispersed and gentle flow of air defined as "still air."

The Wind-Free™* 2.0 unit also has a larger Wind-Free™* surface area for more precise temperature control compared to previous models.

- Available capacities: 9K, 12K, 18K, and 24K Btu/h
- SEER: Up to 24.5
- HSPF: Up to 12.5

10 YEAR WARRANTY Product Registration Required Conditions Apply

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WORKS WITH SmartThings †

Bixby ^

Quantum 2.0

The new Quantum 2.0 mini split has been reimagined and redesigned to deliver exactly what homeowners want – greater efficiency and total control.

- Available capacities: 9K, 12K, 18K, and 24K Btu/h
- SEER: Up to 23.5
- HSPF: Up to 12.0

10 YEAR WARRANTY Product Registration Required Conditions Apply

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Bixby ^

Max Heat® 2.0

Max Heat® 2.0 is compatible with the Wind-Free™* 2.0 indoor unit and has the ability to keep you comfortable in any climate.

Along with the ability to provide 100% heating performance at 5°F (-15°C) with high heating output at -13°F (-25°C), the Max Heat® 2.0 unit is equipped with an integral base pan heater to melt and drain away water from defrost cycles to avoid ice buildup.

- Available capacities: 9K, 12K, 18K, and 24K Btu/h
- SEER: Up to 24.5
- HSPF: Up to 12.5

10 YEAR WARRANTY Product Registration Required Conditions Apply

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WORKS WITH SmartThings †

Bixby ^

ΔSelect 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 match with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.
†Available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.
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Wind-Free™* 2.0

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

MODEL	US CODE	INDOOR UNIT	RNS09ABT	RNS12ABT	RNS18ABT
		OUTDOOR UNIT	RXS09ABT	RXS12ABT	RXS18ABT
	MODEL NUMBER	INDOOR UNIT	AR09TSFABWKNCV	AR12TSFABWKNCV	AR18TSFABWKNCV
		OUTDOOR UNIT	AR09TSFABWKXCV	AR12TSFABWKXCV	AR18TSFABWKXCV
PERFORMANCE	CAPACITY	COOLING	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h
		HEATING	11,000 Btu/h	12,000 Btu/h	20,600 Btu/h
	CAPACITY RANGE	COOLING	3,000 - 13,000 Btu/h	3,000 - 15,000 Btu/h	7,500 - 23,884 Btu/h
		HEATING	2,400 - 21,000 Btu/h	2,600 - 21,500 Btu/h	7,000 - 37,000 Btu/h
	SEER / EER		24.50 / 15.50	23.00 / 13.50	21.00 / 13.00
	COP (NOMINAL HEATING)		4.40	4.25	3.70
	HSPF		12.50	12.50	10.00
POWER	VOLTAGE	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	MAX. BREAKER		20.0 A	20.0 A	30.0 A
	MIN. CIRCUIT AMPACITY		12.0 A	12.5 A	20.0 A
DIMENSIONS	W X H X D	INDOOR	35 X 11 3/4 X 8 7/16 in.	35 X 11 3/4 X 8 7/16 in.	41 17/32 X 11 3/4 X 8 7/16 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 34 7/16 X 12 3/16 in.
	WEIGHT	INDOOR	23.4 lbs.	23.4 lbs.	27.6 lbs.
		OUTDOOR	70.8 lbs.	70.8 lbs.	122.6 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	22 / 38 dB(A)	22 / 39 dB(A)	25 / 42 dB(A)
	OUTDOOR	HIGH	45 dB(A)	46 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 (-20.5 ~ 23.9°C)	-5.0 ~ 75.0°F (-20.5 ~ 23.9°C)	-5.0 ~ 75.0°F (-20.5 ~ 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		66 ft.	66 ft.	98 ft.
	MAX. VERTICAL SEPARATION		49 ft.	49 ft.	66 ft.
	CONDENSATE CONNECTION		11/16 in. OD	11/16 in. OD	11/16 in. OD
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		40.6 oz.	40.6 oz.	63.5 oz.
	CHARGED FOR		25 ft.	25 ft.	25 ft.
COMPRESSOR	TYPE		BLDC Rotary	BLDC Rotary	BLDC Rotary
EVAPORATOR FAN	TYPE		BLDC motor w/ cross-flow fan	BLDC motor w/ cross-flow fan	BLDC motor w/ cross-flow fan
	AIR VOLUME (L/M/H/T)	COOLING (CFM)	251 / 304 / 357 / 392	251 / 321 / 374 / 427	399 / 466 / 533 / 579
		HEATING (CFM)	286 / 339 / 392 / 427	286 / 357 / 410 / 463	424 / 491 / 554 / 600
CONDENSER FAN	MOTOR		BLDC motor w/axial fan (1)	BLDC motor w/axial fan (1)	BLDC motor w/axial fan (1)
	CFM (MAX.)		1,589	1,589	2,225
ACCESSORIES	WIRELESS CONTROLLER		INCLUDED	INCLUDED	INCLUDED
	WIRED CONTROLLER [1]	ADVANCED	MWR-WG00UN	MWR-WG00UN	MWR-WG00UN
		TOUCHSCREEN	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
	WIRED CONTROLLER SUB-PCB		MIM-A00UN	MIM-A00UN	MIM-A00UN
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	CENTRAL CONTROL INTERFACE MODULE		MIM-R10UN	MIM-R10UN	MIM-R10UN
	EXTERNAL CONTACT CONTROL INTERFACE MODULE [2]		MIM-B14	MIM-B14	MIM-B14
	THERMOSTAT ADAPTER (FOR CONNECTION TO 24VAC THERMOSTATS)		MIM-A60UN	MIM-A60UN	MIM-A60UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE-230	BD-BLUE-230	BD-BLUE-230
	WALL BRACKET (FOR OUTDOOR UNIT)		CKN-250	CKN-250	CKN-250
	WIND BAFFLE/GUARD	FRONT	Refer to technical documents		
		BACK	Refer to technical documents		
	LINE SETS - INSULATED AND FLARED, INTERCONNECT CABLES INCLUDED		25' - ILS2506	25' - ILS2506	25' - ILS2507
			50' - ILS5006	50' - ILS5006	50' - ILS5007
CERTIFICATIONS	ENERGY STAR® CERTIFIED		ENERGY STAR	ENERGY STAR	ENERGY STAR

10 YEAR WARRANTY Product Registration Required Conditions Apply

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WORKS WITH SmartThings †

πThe AHRI Certified® mark indicates Samsung's participation in the AHRI Certification program. For verification of individual certified products, go to www.ahridirectory.org.
ΔProper sizing and installation of equipment is critical to achieve performance. Split system air conditioners and heat pumps (excluding ductless systems) must match with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.
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[1] Sub-PCB model MIM-A00UN is required when connecting optional wired controllers
[2] When applying MIM-B14 external contact control interface module, MIM-A00UN wired controller sub-PCB is required.
Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.
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Wind-Free™* 2.0

SPECIFICATIONS - 24,000

MODEL	US CODE	INDOOR UNIT	**RNS24ABT**
		OUTDOOR UNIT	**RXS24ABT**
	MODEL NUMBER	INDOOR UNIT	**AR24TSFABWKNCV**
		OUTDOOR UNIT	**AR24TSFABWKXCV**
PERFORMANCE	CAPACITY	COOLING	21,000 Btu/h
		HEATING	27,400 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 (NOMINAL HEATING)		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 17/32 X 11 3/4 X 8 7/16 in.
		OUTDOOR	37 X 39 1/4 X 13 in.
	WEIGHT	INDOOR	27.6 lbs.
		OUTDOOR	150.4 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 (-20.5 ~ 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.
	CONDENSATE CONNECTION		11/16 in. OD
REFRIGERANT	TYPE		R410A
	FACTORY CHARGE		88.2 oz.
	CHARGED FOR		25 ft.
COMPRESSOR	TYPE		BLDC Rotary
EVAPORATOR FAN	TYPE		BLDC motor w/ cross-flow fan
	AIR VOLUME (L/M/H/T)	COOLING (CFM)	399 / 512 / 622 / 713
		HEATING (CFM)	399 / 512 / 622 / 713
CONDENSER FAN	MOTOR		BLDC motor w/axial fan (1)
	CFM (MAX.)		2,825
ACCESSORIES	WIRELESS CONTROLLER		INCLUDED
	WIRED CONTROLLER [1]	ADVANCED	MWR-WG00UN
		TOUCHSCREEN	MWR-SH11UN
	WIRED CONTROLLER SUB-PCB		MIM-A00UN
	EXTERNAL TEMPERATURE SENSOR		MRW-TA
	CENTRAL CONTROL INTERFACE MODULE		MIM-R10UN
	EXTERNAL CONTACT CONTROL INTERFACE MODULE [2]		MIM-B14
	THERMOSTAT ADAPTER (FOR CONNECTION TO 24VAC THERMOSTATS)		MIM-A60UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE-230
	WALL BRACKET (FOR OUTDOOR UNIT)		CKN-250
	WIND BAFFLE/GUARD	FRONT	Refer to technical documents
		BACK	Refer to technical documents
	LINE SETS - INSULATED AND FLARED, INTERCONNECT CABLES INCLUDED		25' - ILS2508
			50' - ILS5008
CERTIFICATIONS	ENERGY STAR® CERTIFIED		

10 YEAR WARRANTY Product Registration Required Conditions Apply

AHRI CERTIFIED www.ahridirectory.org Globally Recognized. Industry Respected. π

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[2] When applying MIM-B14 external contact control interface module, MIM-A00UN wired controller sub-PCB is required.
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Quantum 2.0

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

MODEL	US CODE	INDOOR UNIT	RNS09YBT	RNS12YBT	RNS18YBT
		OUTDOOR UNIT	RXS09YBT	RXS12YBT	RXS18YBT
	MODEL NUMBER	INDOOR UNIT	AR09TSFYBWKNCV	AR12TSFYBWKNCV	AR18TSFYBWKNCV
		OUTDOOR UNIT	AR09TSFYBWKXCV	AR12TSFYBWKXCV	AR18TSFYBWKXCV
PERFORMANCE	CAPACITY	COOLING	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h
		HEATING	11,000 Btu/h	12,000 Btu/h	21,000 Btu/h
	CAPACITY RANGE	COOLING	3,000 - 12,000 Btu/h	3,000 - 15,000 Btu/h	5,500 - 22,000 Btu/h
		HEATING	2,250 - 19,000 Btu/h	2,600 - 20,000 Btu/h	4,000 - 24,500 Btu/h
	SEER / EER		23.50 / 13.95	21.50 / 12.05	20.00 / 11.05
	COP (NOMINAL HEATING)		3.75	3.65	3.35
	HSPF		12.00	12.00	11.00
POWER	VOLTAGE	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	MAX. BREAKER		20.0 A	20.0 A	25.0 A
	MIN. CIRCUIT AMPACITY		12.0 A	12.5 A	16.0 A
DIMENSIONS	W X H X D	INDOOR	32 5/16 X 11 3/4 X 8 7/16 in.	32 5/16 X 11 3/4 X 8 7/16 in.	41 1/2 X 11 13/16 X 8 7/16 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 25 1/8 X 12 3/16 in.
	WEIGHT	INDOOR	20.1 lbs.	20.1 lbs.	25.4 lbs.
		OUTDOOR	69.9 lbs.	69.9 lbs.	87.1 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	22 / 37 dB(A)	22 / 39 dB(A)	28 / 41 dB(A)
	OUTDOOR	HIGH	45 dB(A)	46 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 (-20.5 ~ 23.9°C)	-5.0 ~ 75.0°F (-20.5 ~ 23.9°C)	-5.0 ~ 75.0°F (-20.5 ~ 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		66 ft.	66 ft.	98 ft.
	MAX. VERTICAL SEPARATION		49 ft.	49 ft.	66 ft.
	CONDENSATE CONNECTION		11/16 in. OD	11/16 in. OD	11/16 in. OD
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		35.3 oz.	35.3 oz.	45.9 oz.
	CHARGED FOR		25 ft.	25 ft.	25 ft.
COMPRESSOR	TYPE		BLDC Rotary	BLDC Rotary	BLDC Rotary
EVAPORATOR FAN	TYPE		BLDC motor w/ cross-flow fan	BLDC motor w/ cross-flow fan	BLDC motor w/ cross-flow fan
	AIR VOLUME (L/M/H/T)	COOLING (CFM)	300 / 335 / 353 / 371	300 / 335 / 371 / 385	459 / 509 / 558 / 583
		HEATING (CFM)	335 / 371 / 385 / 403	335 / 371 / 403 / 420	459 / 509 / 558 / 583
CONDENSER FAN	MOTOR		BLDC motor w/axial fan (1)	BLDC motor w/axial fan (1)	BLDC motor w/axial fan (1)
	CFM (MAX.)		1,589	1,589	1,766
ACCESSORIES	WIRELESS CONTROLLER		INCLUDED	INCLUDED	INCLUDED
	WIRED CONTROLLER [1]	ADVANCED	MWR-WG00UN	MWR-WG00UN	MWR-WG00UN
		TOUCHSCREEN	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
	WIRED CONTROLLER SUB-PCB		MIM-A00UN	MIM-A00UN	MIM-A00UN
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	CENTRAL CONTROL INTERFACE MODULE		MIM-R10UN	MIM-R10UN	MIM-R10UN
	EXTERNAL CONTACT CONTROL INTERFACE MODULE [2]		MIM-B14	MIM-B14	MIM-B14
	THERMOSTAT ADAPTER (FOR CONNECTION TO 24VAC THERMOSTATS)		MIM-A60UN	MIM-A60UN	MIM-A60UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE-230	BD-BLUE-230	BD-BLUE-230
	WALL BRACKET (FOR OUTDOOR UNIT)		CKN-250	CKN-250	CKN-250
	WIND BAFFLE/GUARD	FRONT	Refer to technical documents		
		BACK	Refer to technical documents		
	LINE SETS - INSULATED AND FLARED, INTERCONNECT CABLES INCLUDED		25' - ILS2506	25' - ILS2506	25' - ILS2507
			50' - ILS5006	50' - ILS5006	50' - ILS5007
CERTIFICATIONS	ENERGY STAR® CERTIFIED		✓	-	-

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ΔSelect 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 match with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.
†Available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.
[1] Sub-PCB model MIM-A00UN is required when connecting optional wired controllers
[2] When applying MIM-B14 external contact control interface module, MIM-A00UN wired controller sub-PCB is required.
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Quantum 2.0

SPECIFICATIONS - 24,000

MODEL	US CODE	INDOOR UNIT	**RNS24YBT**
		OUTDOOR UNIT	**RXS24YBT**
	MODEL NUMBER	INDOOR UNIT	**AR24TSFYBWKNCV**
		OUTDOOR UNIT	**AR24TSFYBWKXCV**
PERFORMANCE	CAPACITY	COOLING	22,000 Btu/h
		HEATING	24,000 Btu/h
	CAPACITY RANGE	COOLING	8,800 - 29,000 Btu/h
		HEATING	7,500 - 40,000 Btu/h
	SEER / EER		18.00 / 10.50
	COP (NOMINAL HEATING)		3.07
	HSPF		9.00
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 1/2 X 11 13/16 X 8 7/16 in.
		OUTDOOR	34 5/8 X 31 3/8 X 12 3/16 in.
	WEIGHT	INDOOR	25.4 lbs.
		OUTDOOR	122.6 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	30 / 45 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 (-20.5 ~ 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.
	CONDENSATE CONNECTION		11/16 in. OD
REFRIGERANT	TYPE		R410A
	FACTORY CHARGE		63.5 oz.
	CHARGED FOR		25 ft.
COMPRESSOR	TYPE		BLDC Rotary
EVAPORATOR FAN	TYPE		BLDC motor w/ cross-flow fan
	AIR VOLUME (L/M/H/T)	COOLING (CFM)	459 / 533 / 607 / 657
		HEATING (CFM)	459 / 533 / 607 / 657
CONDENSER FAN	MOTOR		BLDC motor w/axial fan (1)
	CFM (MAX.)		2,825
ACCESSORIES	WIRELESS CONTROLLER		INCLUDED
	WIRED CONTROLLER [1]	ADVANCED	MWR-WG00UN
		TOUCHSCREEN	MWR-SH11UN
	WIRED CONTROLLER SUB-PCB		MIM-A00UN
	EXTERNAL TEMPERATURE SENSOR		MRW-TA
	CENTRAL CONTROL INTERFACE MODULE		MIM-R10UN
	EXTERNAL CONTACT CONTROL INTERFACE MODULE [2]		MIM-B14
	THERMOSTAT ADAPTER (FOR CONNECTION TO 24VAC THERMOSTATS)		MIM-A60UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE-230
	WALL BRACKET (FOR OUTDOOR UNIT)		CKN-250
	WIND BAFFLE/GUARD	FRONT	Refer to technical documents
		BACK	Refer to technical documents
	LINE SETS - INSULATED AND FLARED, INTERCONNECT CABLES INCLUDED		25' - ILS2508
			50' - ILS5008
CERTIFICATIONS	ENERGY STAR® CERTIFIED		-

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†Available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.
[1] Sub-PCB model MIM-A00UN is required when connecting optional wired controllers
[2] When applying MIM-B14 external contact control interface module, MIM-A00UN wired controller sub-PCB is required.
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Max Heat® 2.0

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

MODEL	US CODE	INDOOR UNIT	RNS09ABT	RNS12ABT	RNS18ABT
		OUTDOOR UNIT	RXS09ACT	RXS12ACT	RXS18ACT
	MODEL NUMBER	INDOOR UNIT	AR09TSFABWKNCV	AR12TSFABWKNCV	AR18TSFABWKNCV
		OUTDOOR UNIT	AR09TSFACWKXCV	AR12TSFACWKXCV	AR18TSFACWKXCV
PERFORMANCE	CAPACITY	COOLING	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h
		HEATING	11,000 Btu/h	12,000 Btu/h	20,600 Btu/h
	CAPACITY RANGE	COOLING	3,000 - 13,000 Btu/h	3,000 - 15,000 Btu/h	7,500 - 23,884 Btu/h
		HEATING	2,400 - 21,000 Btu/h	2,600 - 21,500 Btu/h	7,000 - 37,000 Btu/h
	SEER / EER		24.50 / 15.50	23.00 / 13.50	21.00 / 13.00
	COP (NOMINAL HEATING)		4.40	4.25	3.70
	HSPF		12.50	12.50	10.00
POWER	VOLTAGE	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	MAX. BREAKER		20.0 A	20.0 A	30.0 A
	MIN. CIRCUIT AMPACITY		12.0 A	12.5 A	20.0 A
DIMENSIONS	W X H X D	INDOOR	35 X 11 3/4 X 8 7/16 in.	35 X 11 3/4 X 8 7/16 in.	41 17/32 X 11 3/4 X 8 7/16 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 34 7/16 X 12 3/16 in.
	WEIGHT	INDOOR	23.4 lbs.	23.4 lbs.	27.6 lbs.
		OUTDOOR	70.8 lbs.	70.8 lbs.	122.6 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	22 / 38 dB(A)	22 / 39 dB(A)	25 / 42 dB(A)
	OUTDOOR	HIGH	45 dB(A)	46 dB(A)	51 dB(A)
OPERATING TEMPERATURE	OUTDOOR	COOLING	0.0 ~ 115.0°F (-17.7 ~ 46.1°C)	0.0 ~ 115.0°F (-17.7 ~ 46.1°C)	0.0 ~ 115.0°F (-17.7 ~ 46.1°C)
		HEATING	-13.0 ~ 75.0°F (-25.0 ~ 23.9°C)	-13.0 ~ 75.0°F (-25.0 ~ 23.9°C)	-13.0 ~ 75.0°F (-25.0 ~ 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		66 ft.	66 ft.	98 ft.
	MAX. VERTICAL SEPARATION		49 ft.	49 ft.	66 ft.
	CONDENSATE CONNECTION		11/16 in. OD	11/16 in. OD	11/16 in. OD
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		40.6 oz.	40.6 oz.	63.5 oz.
	CHARGED FOR		25 ft.	25 ft.	25 ft.
COMPRESSOR	TYPE		BLDC Rotary	BLDC Rotary	BLDC Rotary
EVAPORATOR FAN	TYPE		BLDC motor w/ cross-flow fan	BLDC motor w/ cross-flow fan	BLDC motor w/ cross-flow fan
	AIR VOLUME (L/M/H/T)	COOLING (CFM)	251 / 304 / 357 / 392	251 / 321 / 374 / 427	399 / 466 / 533 / 579
		HEATING (CFM)	286 / 339 / 392 / 427	286 / 357 / 410 / 463	424 / 491 / 554 / 600
CONDENSER FAN	MOTOR		BLDC motor w/axial fan (1)	BLDC motor w/axial fan (1)	BLDC motor w/axial fan (1)
	CFM (MAX.)		1,589	1,589	2,225
ACCESSORIES	WIRELESS CONTROLLER		INCLUDED	INCLUDED	INCLUDED
	WIRED CONTROLLER [1]	ADVANCED	MWR-WG00UN	MWR-WG00UN	MWR-WG00UN
		TOUCHSCREEN	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
	WIRED CONTROLLER SUB-PCB		MIM-A00UN	MIM-A00UN	MIM-A00UN
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	CENTRAL CONTROL INTERFACE MODULE		MIM-R10UN	MIM-R10UN	MIM-R10UN
	EXTERNAL CONTACT CONTROL INTERFACE MODULE [2]		MIM-B14	MIM-B14	MIM-B14
	THERMOSTAT ADAPTER (FOR CONNECTION TO 24VAC THERMOSTATS)		MIM-A60UN	MIM-A60UN	MIM-A60UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE-230	BD-BLUE-230	BD-BLUE-230
	WALL BRACKET (FOR OUTDOOR UNIT)		CKN-250	CKN-250	CKN-250
	WIND BAFFLE/GUARD	FRONT	Refer to technical documents		
		BACK	Refer to technical documents		
	LINE SETS - INSULATED AND FLARED, INTERCONNECT CABLES INCLUDED		25' - ILS2506	25' - ILS2506	25' - ILS2507
			50' - ILS5006	50' - ILS5006	50' - ILS5007
CERTIFICATIONS	ENERGY STAR® CERTIFIED		✓	✓	✓

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†Available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.
[1] Sub-PCB model MIM-A00UN is required when connecting optional wired controllers
[2] When applying MIM-B14 external contact control interface module, MIM-A00UN wired controller sub-PCB is required.
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Max Heat® 2.0

SPECIFICATIONS - 24,000

MODEL	US CODE	INDOOR UNIT	RNS24ABT
		OUTDOOR UNIT	RXS24ACT
	MODEL NUMBER	INDOOR UNIT	AR24TSFABWKNCV
		OUTDOOR UNIT	AR24TSFACWKXCV
PERFORMANCE	CAPACITY	COOLING	21,000 Btu/h
		HEATING	27,400 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 (NOMINAL HEATING)		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 17/32 X 11 3/4 X 8 7/16 in.
		OUTDOOR	37 X 39 1/4 X 13 in.
	WEIGHT	INDOOR	27.6 lbs.
		OUTDOOR	150.4 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	28 / 47 dB(A)
	OUTDOOR	HIGH	56 dB(A)
OPERATING TEMPERATURE	OUTDOOR	COOLING	0.0 ~ 115.0°F (-17.7 ~ 46.1°C)
		HEATING	-13.0 ~ 75.0°F (-25.0 ~ 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.
	CONDENSATE CONNECTION		11/16 in. OD
REFRIGERANT	TYPE		R410A
	FACTORY CHARGE		88.2 oz.
	CHARGED FOR		25 ft.
COMPRESSOR	TYPE		BLDC Rotary
EVAPORATOR FAN	TYPE		BLDC motor w/ cross-flow fan
	AIR VOLUME (L/M/H/T)	COOLING (CFM)	399 / 512 / 622 / 713
		HEATING (CFM)	399 / 512 / 622 / 713
CONDENSER FAN	MOTOR		BLDC motor w/axial fan (1)
	CFM (MAX.)		2,825
ACCESSORIES	WIRELESS CONTROLLER		INCLUDED
	WIRED CONTROLLER [1]	ADVANCED	MWR-WG00UN
		TOUCHSCREEN	MWR-SH11UN
	WIRED CONTROLLER SUB-PCB		MIM-A00UN
	EXTERNAL TEMPERATURE SENSOR		MRW-TA
	CENTRAL CONTROL INTERFACE MODULE		MIM-R10UN
	EXTERNAL CONTACT CONTROL INTERFACE MODULE [2]		MIM-B14
	THERMOSTAT ADAPTER (FOR CONNECTION TO 24VAC THERMOSTATS)		MIM-A60UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE-230
	WALL BRACKET (FOR OUTDOOR UNIT)		CKN-250
	WIND BAFFLE/GUARD	FRONT	Refer to technical documents
		BACK	Refer to technical documents
	LINE SETS - INSULATED AND FLARED, INTERCONNECT CABLES INCLUDED		25' - ILS2508
			50' - ILS5008
CERTIFICATIONS	ENERGY STAR® CERTIFIED		

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