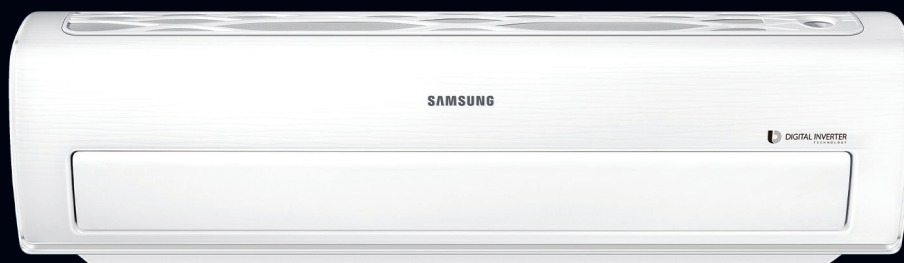


SAMSUNG

Residential Mini Splits



Smart Pearl



Smart Whisper

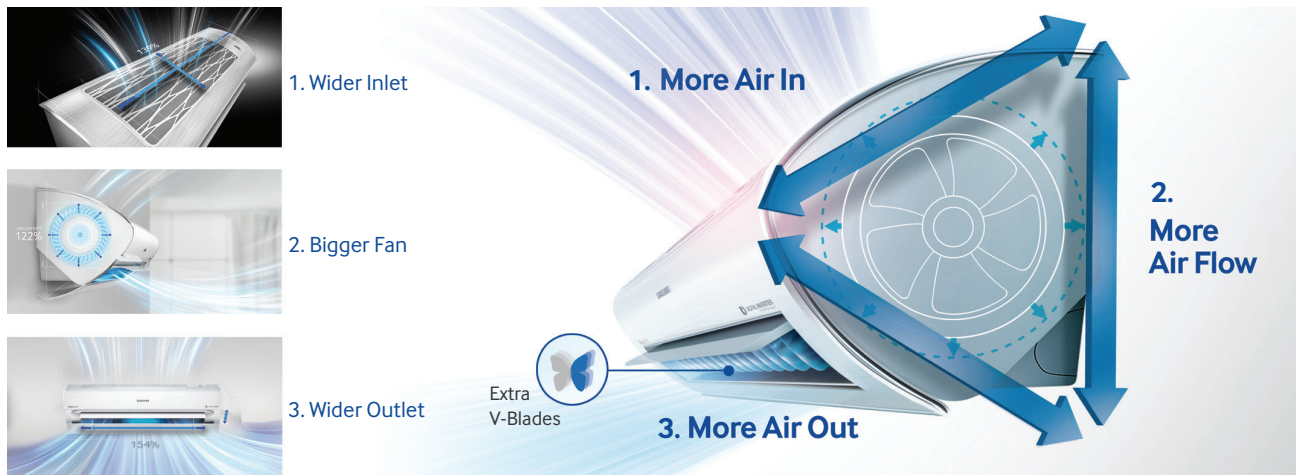
Geniuses at work.

Two smart ways to heat and cool your home.

Be the smartest person in the room when you get your home equipped with a Wi-Fi enabled heat pump, smartly installed to give you ultimate comfort.

Enjoy the rule of three.

The Smart Pearl and Smart Whisper mini splits have been designed from the ground up to be outstandingly efficient. This unique triangular design has a wider inlet, allowing more air to be drawn in. The improved width and angle of its outlet, extra v-blades and a bigger fan also ensure air is cooled and delivered faster and farther than a conventional system.



Smart runs in the family.

Smart Installation is a self-diagnosis feature that ensures your Samsung unit is installed properly by your service engineer. It automatically checks for installation faults that can cause problems when using the unit.

The Smart Check automatic error-monitoring system detects and diagnoses problems and provides easy troubleshooting solutions using a smartphone app. So it saves you time and potentially expensive repair bills.†

Smart? More like genius.

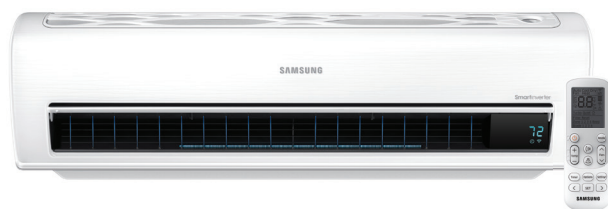
The Smart Whisper and Smart Pearl's built-in Wi-Fi gives you control over your unit, whether you're home or not. Through the SmartThings app‡, you can control your system from almost anywhere, at any time. What's even smarter? The app also allows you to monitor, control, and automate a wide range of connected devices in your home. Now that's intelligent.



† Available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.
‡ This function only operates for certain error modes and is not a substitute for periodic service checkups. Samsung application account is necessary.

Smart Pearl

Available capacities (btu/h) - 9,000 | 12,000



Crystal Gloss Design

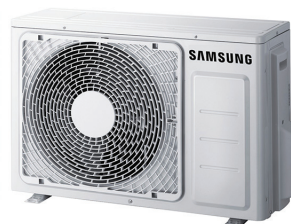
The indoor unit's elegant finish and uniquely curved design delivers both a premium look and performance.

Smart Whisper

Available capacities (btu/h)

Standard: 9,000 | 12,000 | 18,000 | 24,000

Max Heat®: 9,000 | 12,000 | 18,000 | 24,000



Available in MAX HEAT®

The Smart Whisper Max Heat® mini split is equipped with all the features and benefits of the Smart Whisper, along with the ability to provide high heating performance at -13°F (-25°C). The integral base pan heater helps defrost and drain away water to avoid ice buildup. These added features allow the Smart Whisper Max Heat® mini split to perform in myriad applications, from warm to cold climates everywhere.

Standard Features

Applies to all Smart Pearl and Smart Whisper models

The Triangle Design	2-Step Cooling	Auto Clean	Dry Mode	Single User Mode	AHRI Certified
Smart Home	3-Care Filter	Auto Restart	Good Sleep Mode	Timer Mode	ETL Listed
Smart Install	Auto Changeover	Digital Inverter	Quiet Mode	Triple Protector Plus	

Convenience Features

- 7-segment display
- Filter cleaning reminder
- Display and sound ON/OFF with wireless controller
- Motorized horizontal* and vertical auto-swing louvers
- Built-in Wi-Fi
- Easy filter access

Included Controller

Wireless Remote Controller

Optional Wired Controllers

AR-WRS02

Includes MWR-WH00U + Connection Kit

AR-WRP2



Includes MWR-WE13U + Connection Kit

*Smart Pearl Models Only

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Smart Pearl

SPECIFICATIONS - 9,000 | 12,000

MODEL	INDOOR UNIT		AR09KSWDHWKNCV	AR12KSWDHWKNCV
	OUTDOOR UNIT		AR09KSWDHWKXCV	AR12KSWDHWKXCV
PERFORMANCE	CAPACITY	COOLING	9,000 Btu/h	12,000 Btu/h
		HEATING	12,600 Btu/h	13,600 Btu/h
	CAPACITY RANGE	COOLING	3,100 - 13,000 Btu/h	3,100 - 13,600 Btu/h
		HEATING	2,700 - 20,800 Btu/h	2,700 - 22,500 Btu/h
	SEER / EER		28.10 / 15.79	26.10 / 14.12
	COP		4.34	4.30
	HSPF		12.00	11.50
POWER	VOLTAGE	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60
	MAX. BREAKER		15.0 A	15.0 A
	MIN. CIRCUIT AMPACITY		10.3 A	10.3 A
DIMENSIONS	W X H X D	INDOOR	35 1/4 X 10 1/4 X 10 1/4 in.	35 1/4 X 10 1/4 X 10 1/4 in.
		OUTDOOR	34 5/8 X 25 1/8 X 12 3/16 in.	34 5/8 X 25 1/8 X 12 3/16 in.
	WEIGHT	INDOOR	24.69 lbs.	24.69 lbs.
		OUTDOOR	88.18 lbs.	88.18 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	20 / 40 dB(A)	20 / 41 dB(A)
	OUTDOOR	HIGH	45 dB(A)	46 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
		HEATING	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.
		LOW SIDE (FLARE)	3/8 in.	3/8 in.
	MAX. LINE SET LENGTH		50 ft.	50 ft.
	MAX. VERTICAL SEPARATION		26 ft.	26 ft.
	CONDENSATE CONNECTION		11/16 in. OD	11/16 in. OD
REFRIGERANT	TYPE		R410A	R410A
	FACTORY CHARGE		40.6 oz.	40.6 oz.
	CHARGED FOR		25 ft.	25 ft.
COMPRESSOR	TYPE		BLDC Rotary	BLDC Rotary
EVAPORATOR FAN	TYPE		BLDC With Crossflow Fan (1)	BLDC With Crossflow Fan (1)
	AIR VOLUME	CFM (L / M / H / T)	270 / 330 / 380 / 420	310 / 360 / 420 / 460
CONDENSER FAN	MOTOR		BLDC With Axial Type Fan (1)	BLDC With Axial Type Fan (1)
	CFM (MAX.)		1,700	1,700
ACCESSORIES	WIRED CONTROLLER	STANDARD ¹	AR-WRS02	AR-WRS02
		PREMIUM ²	AR-WRP2	AR-WRP2
	WIRELESS CONTROLLER		Included	Included
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230	BD-BLUE230
	WALL BRACKET (FOR OUTDOOR UNIT)		CKN-250	CKN-250
	WIND BAFFLE/GUARD	FRONT	WBF-3M	WBF-3M
		BACK	WBB-6M	WBB-6M
	LINE SETS - INSULATED AND FLARED, INTERCONNECT CABLES INCLUDED		25' - ILS2506 50' - ILS5006	25' - ILS2506 50' - ILS5006
CERTIFICATIONS	ENERGY STAR® CERTIFIED			



Product registration required.
Conditions apply.



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Intertek

¹ AR-WRS02 includes MWR-WH00U wired controller, sub-PCB, and sub-PCB connection harness




² AR-WRP2 includes MWR-WE13U wired controller, sub-PCB, and sub-PCB connection harness

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Smart Whisper

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

MODEL	INDOOR UNIT		AR09KSWSJWKNCV	AR12KSWSJWKNCV	AR18KSWSJWKNCV
	OUTDOOR UNIT		AR09KSWSJWKXCV	AR12KSWSJWKXCV	AR18KSWSJWKXCV
PERFORMANCE	CAPACITY	COOLING	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h
		HEATING	12,000 Btu/h	13,600 Btu/h	20,600 Btu/h
	CAPACITY RANGE	COOLING	3,400 - 10,900 Btu/h	3,400 - 13,600 Btu/h	5,500 - 23,900 Btu/h
		HEATING	3,400 - 17,700 Btu/h	3,400 - 20,500 Btu/h	4,100 - 27,300 Btu/h
	SEER / EER		23.00 / 15.00	22.00 / 13.60	20.50 / 13.20
	COP		4.00	3.76	3.71
	HSPF		10.50	9.50	9.00
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	20.0 A
	MIN. CIRCUIT AMPACITY		10.3 A	10.3 A	12.7 A
DIMENSIONS	W X H X D	INDOOR	35 1/4 X 10 1/4 X 10 1/4 in.	35 1/4 X 10 1/4 X 10 1/4 in.	41 15/16 X 11 7/8 X 11 9/16 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 31 1/4 X 12 1/4 in.
	WEIGHT	INDOOR	24.25 lbs.	28.66 lbs.	30.86 lbs.
		OUTDOOR	81.60 lbs.	81.60 lbs.	116.80 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	20 / 40 dB(A)	20 / 44 dB(A)	23 / 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 -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 ft.	26 ft.	50 ft.
CONDENSATE CONNECTION		11/16 in. OD	11/16 in. OD	11/16 in. OD	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		44.1 oz.	44.1 oz.	70.5 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)	270 / 330 / 400 / 460	310 / 370 / 430 / 490	430 / 500 / 550 / 600
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	1,950
ACCESSORIES	WIRED CONTROLLER	STANDARD ¹	AR-WRS02	AR-WRS02	AR-WRS02
		PREMIUM ²	AR-WRP2	AR-WRP2	AR-WRP2
	WIRELESS CONTROLLER		Included	Included	Included
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		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 50' - ILS5006	25' - ILS2506 50' - ILS5006	25' - ILS2507 50' - ILS5007	
CERTIFICATIONS	ENERGY STAR® CERTIFIED				



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Conditions apply.



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Intertek

¹ AR-WRS02 includes MWR-WH00U wired controller, sub-PCB, and sub-PCB connection harness


² AR-WRP2 includes MWR-WH00U wired controller, sub-PCB, and sub-PCB connection harness

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Smart Whisper

SPECIFICATIONS - 24,000

MODEL	INDOOR UNIT		AR24KSWSJWKNCV
	OUTDOOR UNIT		AR24KSWSJWKXCV
PERFORMANCE	CAPACITY	COOLING	21,000 Btu/h
		HEATING	27,000 Btu/h
	CAPACITY RANGE	COOLING	8,900 - 31,700 Btu/h
		HEATING	7,500 - 39,200 Btu/h
	SEER / EER		21.60 / 12.50
	COP		3.13
	HSPF		10.70
POWER	VOLTAGE	ø / V / Hz	1 / 208-230 / 60
	MAX. BREAKER		30.0 A
	MIN. CIRCUIT AMPACITY		18.1 A
DIMENSIONS	W X H X D	INDOOR	41 15/16 X 11 7/8 X 11 9/16 in.
		OUTDOOR	34 5/8 X 38 1/16 X 12 5/8 in.
	WEIGHT	INDOOR	30.86 lbs.
		OUTDOOR	144.40 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		50 ft.
	CONDENSATE CONNECTION		1 1/16 in. OD
REFRIGERANT	TYPE		R410A
	FACTORY CHARGE		56.4 oz.
	CHARGED FOR		25 ft.
COMPRESSOR	TYPE		BLDC Rotary
EVAPORATOR FAN	TYPE		BLDC With Crossflow Fan (1)
	AIR VOLUME	CFM (L / M / H / T)	400 / 430 / 580 / 670
CONDENSER FAN	MOTOR		BLDC With Axial Type Fan (1)
	CFM (MAX.)		2,120
ACCESSORIES	WIRED CONTROLLER	STANDARD ¹	AR-WRS02
		PREMIUM ²	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-4M
		BACK	WBB-10M
	LINE SETS - INSULATED AND FLARED, INTERCONNECT CABLES INCLUDED		25' - ILS2509 50' - ILS5009
CERTIFICATIONS	ENERGY STAR® CERTIFIED		



Product registration required.
Conditions apply.



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Intertek

¹ AR-WRS02 includes MWR-WH00U wired controller, sub-PCB, and sub-PCB connection harness

² AR-WRP2 includes MWR-WH00U wired controller, sub-PCB, and sub-PCB connection harness




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Smart Whisper Max Heat®



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

MODEL	INDOOR UNIT		AR09KSWSPWKNCV	AR12KSWSPWKNCV	AR18NSWSPWKNCV
	OUTDOOR UNIT		AR09KSWSPWKXCV	AR12KSWSPWKXCV	AR18NSWSPWKXCV
PERFORMANCE	CAPACITY	COOLING	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h
		HEATING	12,000 Btu/h	14,000 Btu/h	20,600 Btu/h
	CAPACITY RANGE	COOLING	3,071 - 11,260 Btu/h	3,071 - 13,648 Btu/h	7,500 - 23,884 Btu/h
		HEATING	2,730 - 17,740 Btu/h	2,730 - 20,470 Btu/h	7,000 - 30,000 Btu/h
	SEER / EER		23.50 / 14.05	21.50 / 12.50	20.00 / 13.00
	COP		4.57	4.23	3.71
	HSPF		10.50	10.00	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		10.5 A	10.5 A	19.0 A
DIMENSIONS	W X H X D	INDOOR	35 1/4 X 10 1/4 X 10 1/4 in.	35 1/4 X 10 1/4 X 10 1/4 in.	41 15/16 X 11 7/8 X 11 9/16 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 31 1/4 X 12 3/16 in.
	WEIGHT	INDOOR	24.69 lbs.	24.69 lbs.	32.00 lbs.
		OUTDOOR	79.37 lbs.	79.37 lbs.	126.77 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	20 / 40 dB(A)	20 / 41 dB(A)	25 / 42 dB(A)
	OUTDOOR	HIGH	45 dB(A)	46 dB(A)	51 dB(A)
OPERATING TEMPERATURE	OUTDOOR	COOLING	5.0 - 115.0°F -15.0 - 46.1°C	5.0 - 115.0°F -15.0 - 46.1°C	-0.4 - 114.0°F -18.0 - 46.0°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		50 ft.	50 ft.	98 ft.
	MAX. VERTICAL SEPARATION		26 ft.	26 ft.	66 ft.
CONDENSATE CONNECTION			11/16 in. OD	11/16 in. OD	11/16 in. OD
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		42.4 oz.	42.4 oz.	63.5 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)	270 / 330 / 400 / 460	310 / 370 / 430 / 495	364 / 434 / 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 ¹	AR-WRS02	AR-WRS02	AR-WRS02
		PREMIUM ²	AR-WRP2	AR-WRP2	AR-WRP2
	WIRELESS CONTROLLER		Included	Included	Included
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		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 50' - ILS5006	25' - ILS2506 50' - ILS5006	25' - ILS2507 50' - ILS5007
CERTIFICATIONS	ENERGY STAR® CERTIFIED				



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Conditions apply.



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Intertek

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² AR-WRP2 includes MWR-WH00U wired controller, sub-PCB, and sub-PCB connection harness

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Smart Whisper Max Heat®



SPECIFICATIONS - 24,000

MODEL	INDOOR UNIT		AR24NSWSPWKNCV
	OUTDOOR UNIT		AR24NSWSPWKXCV
PERFORMANCE	CAPACITY	COOLING	21,000 Btu/h
		HEATING	27,000 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 11 9/16 in.
		OUTDOOR	37 X 39 5/16 X 13 in.
	WEIGHT	INDOOR	32.00 lbs.
		OUTDOOR	143.74 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	28 / 47 dB(A)
	OUTDOOR	HIGH	56 dB(A)
OPERATING TEMPERATURE	OUTDOOR	COOLING	-0.4 - 114.0°F -18.0 - 46.0°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		1 1/16 in. OD
REFRIGERANT	TYPE		R410A
	FACTORY CHARGE		88.2 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 ¹	AR-WRS02
		PREMIUM ²	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
	LINE SETS - INSULATED AND FLARED, INTERCONNECT CABLES INCLUDED		25' - ILS2509 50' - ILS5009
CERTIFICATIONS	ENERGY STAR® CERTIFIED		



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Conditions apply.



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Intertek

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² AR-WRP2 includes MWR-WH00U wired controller, sub-PCB, and sub-PCB connection harness

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