

SAMSUNG

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Room

Air Conditioner Catalogue

NEW 2026 LINE-UP (R32)

2026



We create new possibilities to fulfill the needs of people across the globe

Since introducing its first air conditioner in 1974, Samsung has remained committed to providing cutting-edge innovations in climate-based initiatives. From fulfilling modern cooling needs to incorporating smart AI connectivity, Samsung continues to push boundaries — revolutionising the world of air care with outstanding design, advanced performance and undoubted reliability.

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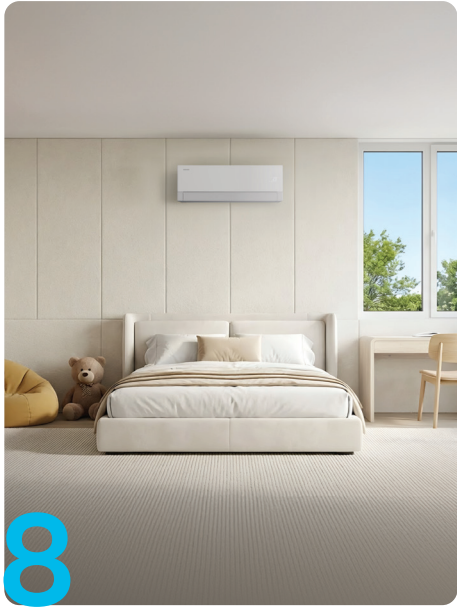
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Line-up
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Bespoke AI
WindFree Pro



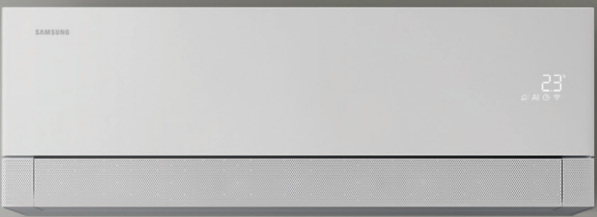
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Essential
Inverter

Smart homes start with smart cooling

And smart cooling starts with understanding your home. Samsung's 2026 room air conditioners use AI-driven technology to personalise comfort, optimise energy use and operate quietly in the background — making everyday living more comfortable, efficient and effortless.

Discover the line-up below:



Bespoke AI WindFree Pro



AI Motion Wind



Radar Sensor



AI Fast & Comfort Cooling



PM1.0 Filter



Comfort Drying



WindFree™ Cooling



AI Energy Mode



Freeze Wash



Auto Clean



R32 Refrigerant



Built-in Wi-Fi



SmartThings Connectivity



Motion Wind



AI Fast & Comfort Cooling



PM2.5 Filter



Comfort Drying



WindFree™ Cooling



AI Energy Mode



Freeze Wash



Auto Clean



R32 Refrigerant



Built-in Wi-Fi



SmartThings Connectivity

Bespoke AI WindFree



AI Fast & Comfort Cooling



Comfort Drying



WindFree™ Cooling



AI Energy Mode



Freeze Wash



Auto Clean



R32 Refrigerant



Built-in Wi-Fi



SmartThings Connectivity

AR50 (Non-WindFree Model)



AI Auto Cooling



AI Energy Mode



Auto Clean



R32 Refrigerant



Built-in Wi-Fi



SmartThings Connectivity

Essential Inverter



Fast Cooling



R32 Refrigerant



Built-in Wi-Fi*



SmartThings Connectivity

*Only available on selected models

Effortless control, intelligent comfort

Connected through the SmartThings App¹, the residential air conditioner range puts complete cooling control at your fingertips. Settings can be adjusted, performance monitored and energy use optimised — all from a single, centralised platform for smarter, simpler home cooling.

Easy

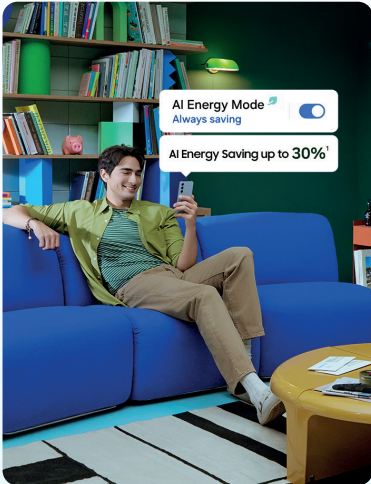
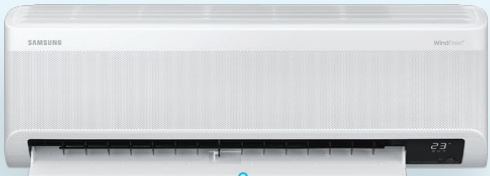
Effortlessly connect and control your devices
Simply power on your devices to connect and control them all

Save

Save time and energy
Minimise energy waste and free up your time for what truly matters

Care

Care for your loved ones
Protect your parents, kids and pets wherever you are



Energy efficiency, intelligently managed

By analysing usage patterns, the system automatically optimises settings to reduce energy consumption by up to 30%².



Pre-conditioned cooling

SmartThings tracks your location³ to help you manage your air conditioner effortlessly. It reminds you to turn the unit on as you approach home, and alerts you if any units are still running when you leave.



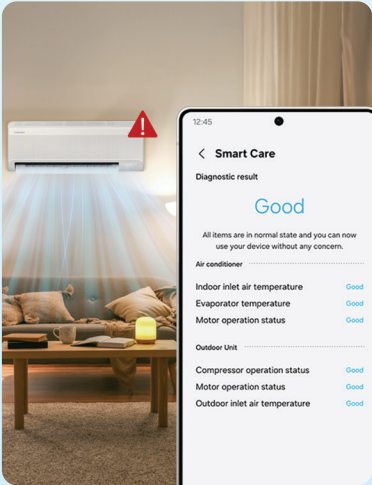
Effortless indoor climate control

Temperature and humidity are continuously monitored and adjusted to your room size and environment, delivering stable, comfortable conditions with the right amount of air conditioning.



Voice-enabled control for seamless operation

Connect the air conditioner to voice assistants like Bixby, Alexa or Google Assistant to manage settings and maintain comfort seamlessly, so you can focus on what matters most.



Smart care, less worry

Using AI to monitor your air conditioner and detect any unusual behaviour, SmartThings Home Care alerts you to potential issues and provides clear information about key components — so you can address maintenance quickly without waiting for an on-site service⁴.



Optimised for every space

SmartThings Air Care⁵ automatically monitors indoor and outdoor quality, temperature and humidity, then adjust your cooling devices accordingly. The result is a consistently comfortable environment — without any effort on your part.

¹ Available on Android and iOS devices. A Wi-Fi connection and a Samsung account are required.
² Based on internal testing on the AR80H(AR70F12CAAWX), comparing total power consumption between AI Auto & AI Energy Mode in 8hr operation.
³ This function may be affected by the GPS conditions.
⁴ Service callouts will occasionally be required and may incur additional repair costs.
⁵ SmartThings Air Care feature may vary by region and is currently available in the following countries: Korea, USA, UAE, Chile, Poland, Australia, Indonesia.



Bespoke AI WindFree Pro

Designed to blend effortlessly into your space, the new Bespoke AI WindFree Pro combines elegance with advanced technology for unmatched home cooling. Its AI-driven system learns your routines and room conditions to intelligently adjust airflow, delivering personalised comfort tailored to every moment with seven different flow modes. With WindFree™ Cooling and hygienic filter care, it keeps your space quietly refreshed, so you can focus on your loved ones.



Refined design for modern living

Enhance your space with a design that blends effortlessly into modern interiors, featuring a textured surface that reduces glare and adds depth. Available in Essential White for a soft, calming presence or Soapstone Charcoal for a sophisticated contrast in darker interiors, the design complements a wide range of contemporary spaces.



Soapstone Charcoal

Offering a smooth, softly matte finish with a subtle shine. It blends naturally into dark-tone interiors, adding a sense of calm and sophistication to your living spaces.



Essential White

With a warm, versatile tone, Essential White creates a calm, wellness-focused atmosphere and blends seamlessly with any interior, unlike the cooler, bluish DA White on conventional air conditioner.



Precise airflow that adapts to you

Experience comfort that adapts to you and your space. Powered by intuitive AI, three precision-engineered blades work together to deliver seven distinct airflow modes, from a soft, gentle breeze to focused cooling. Each movement is carefully controlled to provide balanced, personalised comfort that adjusts effortlessly to different moments, room layouts and preferences.



*Based on internal comparison between AR70H12CAAWNEU and AR12TXCAAWNEU. The blade motion range has been expanded from 30~80°(45°) to front 0~90° and bottom 70~0°.

Tailored cooling with AI Motion Winds

Max Wind	Surround Wind	Long Reach Wind
Cools your space faster Maximum airflow delivers cold air 15%¹ faster, so your room reaches the perfect temperature in less time.	Even comfort everywhere Air flows gently across the room, eliminating hotspots for consistent² comfort in every corner.	Reach every corner Redesigned front blades push air up to 10.5m³, ensuring cooling across expansive spaces.
Down Wind	AI Direct & Indirect Wind	WindFree™ Cooling
Stay warm longer Enhanced lower blades direct heat downwards, keeping the room cosy and warm⁴ in cold climates.	Comfort wherever your need it AI-powered radar sensor⁵ detects movement and room layout to intelligently adjust airflow — directing it towards occupants or avoiding them as needed.	Quiet, gentle comfort WindFree™ mode provides cooling without harsh drafts, staying whisper-quiet while saving up to 77% energy⁶.

User-focused cooling

The radar sensor senses the surroundings at up to a 120° angle with a range of 6m and detect up to 2 occupants, for precisely personalised cooling. When absence is detected, you can pre-set it to switch to energy-saving mode or perform other functions like cleaning or monitoring.



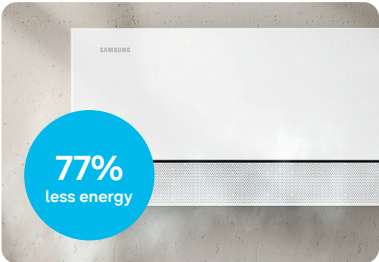
¹ Based on internal test comparing AR80H (AR70F12CAAWX) and conventional model (AR12TXCAAWKEU), measuring time needed for indoor temperature from 33°C to 25°C.
² Based on comparison of indoor airflow distribution between Surround Wind and conventional blade swing setting. Test model: AR80H(AR70F12CAAWX).
³ Based on internal test comparing AR80H (AR70F12CAAWX) and conventional model (AR12TXCAAWKEU), measuring airflow reach distance under cooling operation with max fan speed and blades set to highest position.
⁴ Based on internal test with test model AR80H(AR70F12CAAWX).
⁵ Radar sensor is only available on AR80 models.
⁶ Based on internal test with test model AR70H12CAAW/EU, comparing the power consumption of Fast Cooling mode vs WindFree™ Cooling mode.

Seamless cooling for every moment

AI Fast & Comfort Cooling¹ monitors your usage habits and room conditions to keep your space comfortably cool with minimal effort. It brings the room to your preferred temperature quickly with Fast Cooling, before seamlessly switches to WindFree™ mode, maintaining the ideal temperature with a gentle, draft-free breeze.

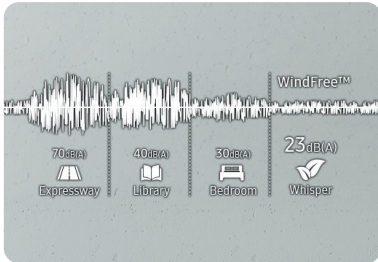


Why WindFree™?



Gentle Cooling

Enjoy gentle, even cooling without continuous bursts of harsh cold air, while saving up to 77% energy compared to Fast Cooling² mode.



Low Detectable Noise

Low air speed generates less friction and noise compared to conventional cooling.



Sleep Comfortably

Good Sleep mode maintains an ideal bedroom climate with consistent temperature and no direct cold drafts for uninterrupted rest.

Perfectly dry, perfectly comfortable



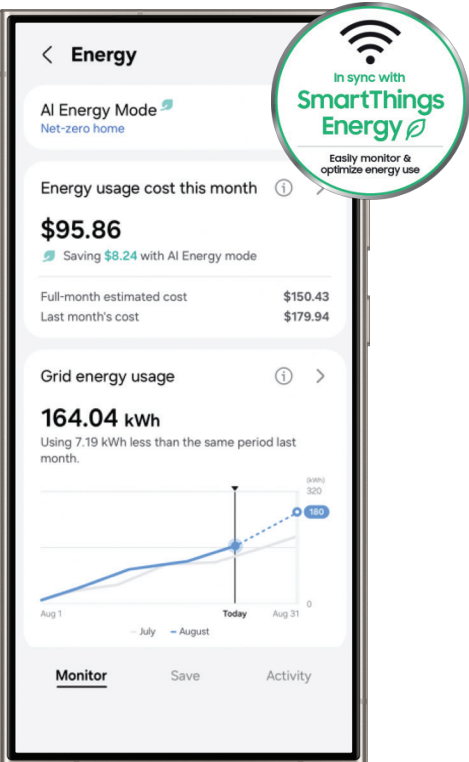
Dry Comfort Mode



Reduce humidity while maintaining comfort. Dry Comfort Mode intelligently monitors temperature and humidity to reduce moisture while preventing the overcooled feeling. Perfect for the rainy season, it keeps your room at an ideal sleeping temperature while saving energy by up to 30%*.

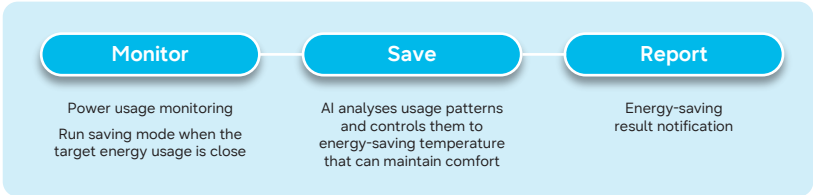


*Intertek Report No.: 241200087SEL-001. Date: 24 Dec 2024. Based on the data collected the Hypothesis is accepted: The energy saving rate of Dry Comfort Mode is over 30% compared to conventional Dry mode.



Efficient cooling that saves energy

AI Energy Mode learns your habits and monitors indoor and outdoor conditions to adjust operating frequency precisely, maintaining the preferred temperature and cutting energy use by up to 30%* without compromising comfort.

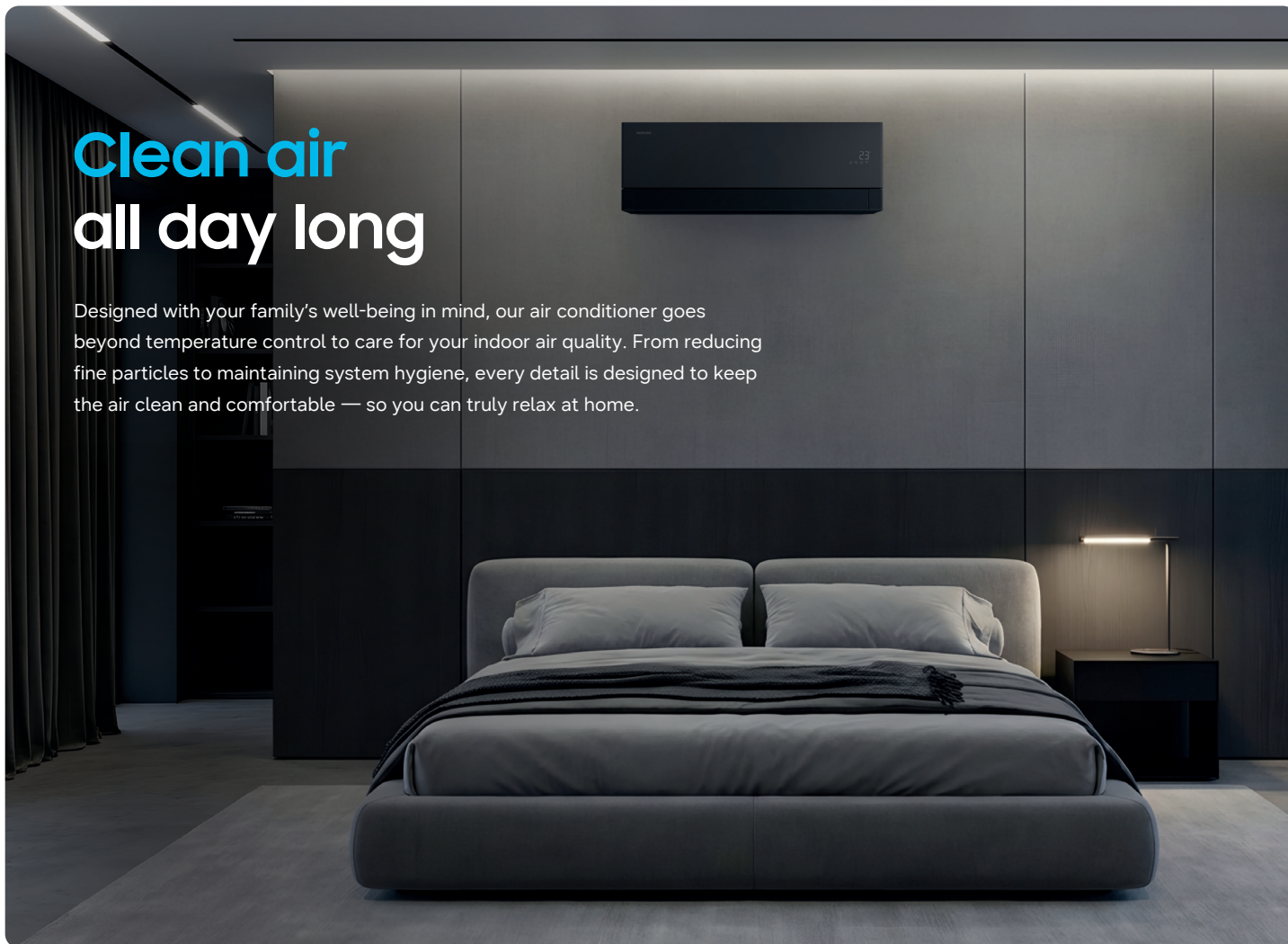


*Based on internal testing on the AR80H(AR70F12CAAWX), comparing total power consumption between AI Auto & AI Energy Mode in 8hr operation.

¹ A Wi-Fi connection and a Samsung SmartThings account are required.
² Based on internal test report, tested on the AR70H12CAAW/EU model, comparing the power consumption of Fast Cooling mode vs WindFree™ Cooling mode.

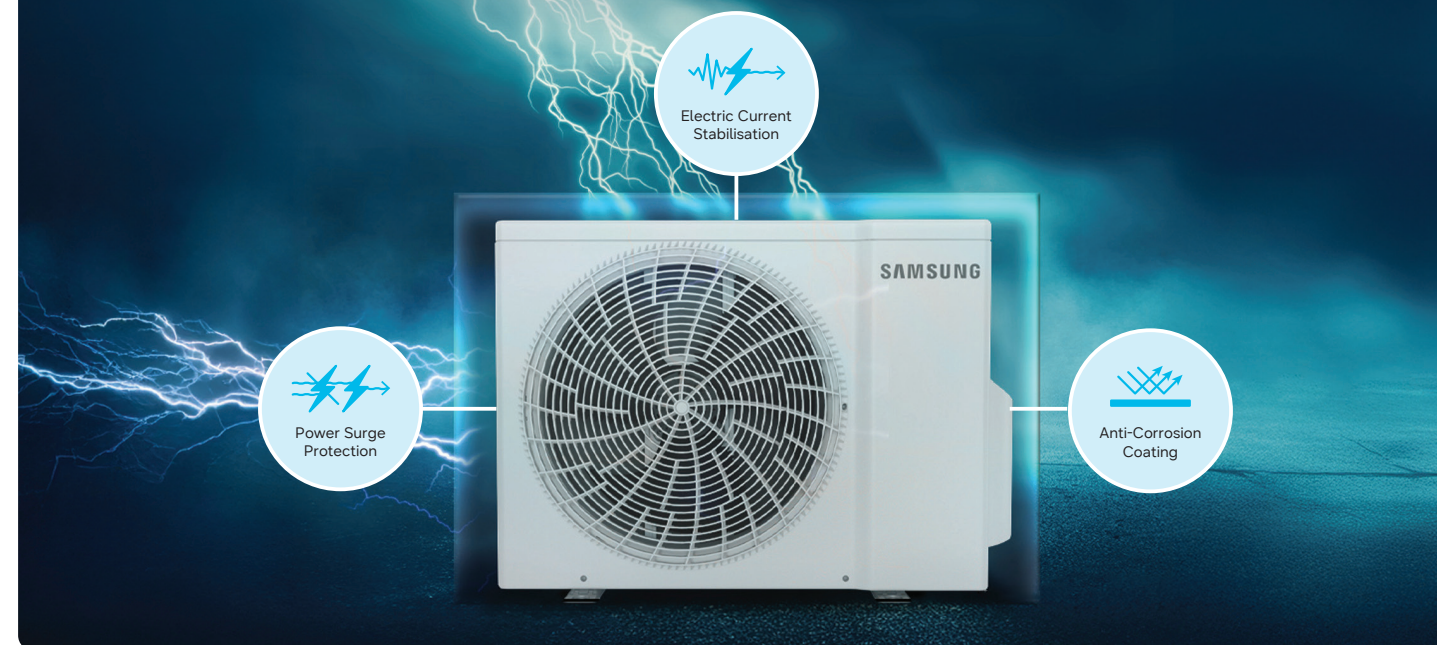
Clean air all day long

Designed with your family's well-being in mind, our air conditioner goes beyond temperature control to care for your indoor air quality. From reducing fine particles to maintaining system hygiene, every detail is designed to keep the air clean and comfortable — so you can truly relax at home.



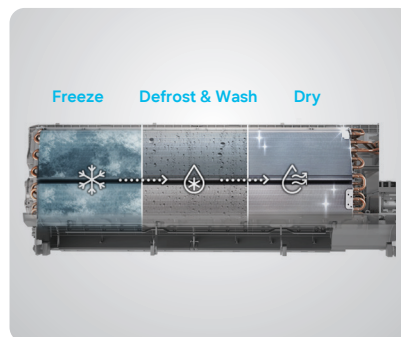
Reliable cooling that lasts

Enjoy consistent cooling you can depend on. Triple Protector Plus shields the outdoor unit from power surges and unstable currents, eliminating the need for extra stabilisers. Its anti-corrosion coating protects the condenser and cabinet, keeping your unit durable and performing at its best even in harsh weather. Together, these features provide long-lasting reliability and peace of mind.



PM1.0 Filter

Breathe clean, healthy air everyday. The advanced PM1.0 filter¹ removes ultra-fine particles and up to 99% selected bacteria² using an electrostatic precipitator — cleaning twice as fast as PM2.5 for consistently hygienic air.



Freeze Wash

Keep your air conditioner hygienic with Freeze Wash. It freezes the Heat Exchanger to -15°C, before defrosting it and washing up to 95% of selected bacteria³. The unit is then dried to prevent leftover moisture and maintain peak performance. An alert⁴ lets you know when it's time to clean, making maintenance easy and worry-free.

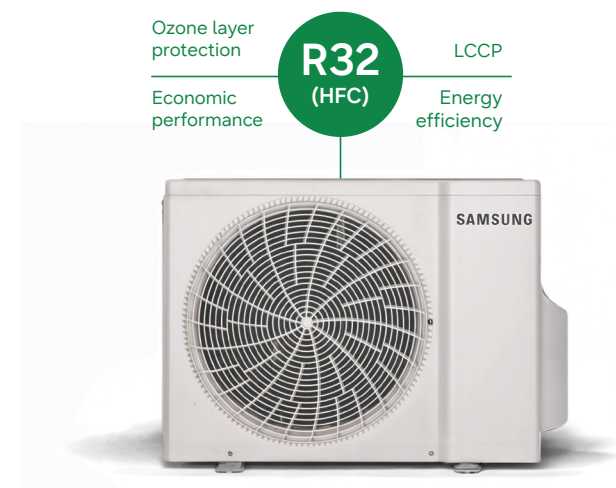


Auto Clean

Auto Clean function automatically dries the Heat Exchanger using a 3-step process after operation. It removes moisture inside by blowing air between 10 to 30 minutes⁵, preventing odour and mould buildup.

Good for the planet

The outdoor unit uses R32 refrigerant with lower Global Warming Potential and Digital Inverter Technology for energy-efficient* cooling without frequent on-and-off cycles.



*Based on internal testing comparing AQ09TSLXEA (Non-inverter model) and AR70H09CAAW/EU (inverter model).

Solar Cell Remote

Stay in control without having to worry about using batteries! The Samsung Solar Cell Remote Controller includes a small solar panel on the back, keeping its power through the light of the sun or even the ambient light in a room. If required, you can also recharge it using a C-type USB connector.



¹ PM1.0 filter is available only on AR80H models.

² Intertek Report No.: RT20E-S0024. Date: 20 July 2020. Based on the data collected the Hypothesis is accepted: The Electrostatic Precipitator (Ioniser [DB94-07692] and Assy filter electric [DB94-07976]) of Samsung Electronics can sterilise the microorganisms collected on the filter. (Escherichia coli: above 99%, Staphylococcus aureus: above 99%).

³ Intertek Report No.: RT20E-S0047_R1. Date: 24 Mar 2022. Based on the data collected the Hypothesis is accepted: The "Wash Clean (Domestic)/Freeze Wash (Overseas)" course of Samsung air conditioner can remove more than 95% of the bacteria on the surface of the Heat Exchanger.

⁴ Available on Android and iOS devices. A Wi-Fi connection and a Samsung account are required.

⁵ The Auto Clean time will vary depending on the condition of the air conditioner.

Specifications

Bespoke AI WindFree Pro



Indoor Unit Model		AR80H10DAAWNSV	AR80H13DAAWNSV	AR80H18DAAWNSV	AR70H10D1BWNSV	AR70H13D1BWNSV	AR70H18D1CWNSV	AR70H24D1CWNSV
Outdoor Unit Model		AR80H10DAAWXS	AR80H13DAAWXS	AR80H18DAAWXS	AR70H10D1BWXS	AR70H13D1BWXS	AR70H18D1CWXS	AR70H24D1CWXS
Capacity	Cooling Capacity (Btu/h)	9000 Btu/hr	12000 Btu/hr	18000 Btu/hr	9000 Btu/hr	12000 Btu/hr	18000 Btu/hr	21500 Btu/hr
	Cooling Capacity (Min~Max)(Btu/h)	3500 - 13500 Btu/hr	3500 - 15000 Btu/hr	5200 - 22500 Btu/hr	3500 - 13500 Btu/hr	3500 - 15000 Btu/hr	5000 - 21500 Btu/hr	5000 - 27000 Btu/hr
	Cooling Capacity (kW)	2.64 kW	3.52 kW	5.28 kW	2.64 kW	3.52 kW	5.28 kW	6.30 kW
	Cooling Capacity (Min~Max)(kW)	1.03 - 3.96 kW	1.03 - 4.4 kW	1.52 - 6.59 kW	1.03 - 3.96 kW	1.03 - 4.4 kW	1.47 - 6.3 kW	1.47 - 7.91 kW
Energy Efficiency	EER (Cooling)(W/W)	3.94 W/W	3.29 W/W	3.40 W/W	3.94 W/W	3.29 W/W	3.01 W/W	3.46 W/W
	CSPF	5.42	5.36	5.50	5.42	5.36	5.20	5.90
	Energy Star Rating (Cooling)	5 Star	5 Star	5 Star	5 Star	5 Star	5 Star	5 Star
Noise Level	Noise Level (Indoor, High/Low, dBA)	38/20 dBA	40/20 dBA	43/27 dBA	37/19 dBA	38/19 dBA	43/27 dBA	45/30 dBA
	Noise Level (Outdoor, High/Low, dBA)	47 dBA	48 dBA	52 dBA	47 dBA	48 dBA	52 dBA	52 dBA
Electrical Data	Power Source(Φ/V/Hz)	1 / 220-240~/ 50	1 / 220-240~/ 50	1 / 220-240~/ 50	1 / 220-240~/ 50	1 / 220-240~/ 50	1 / 220-240~/ 50	1 / 220-240~/ 50
	Power Consumption (Cooling)(W)	670 W	1070 W	1550 W	670 W	1070 W	1750 W	1820 W
	Operating Current (Cooling)(A)	3.1 A	5.0 A	6.9 A	3.1 A	5.0 A	8.0 A	8.0 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm*mm*mm)	820*352*230 mm	820*352*230 mm	1055*352*230 mm	820*299*230 mm	820*299*230 mm	889*299*230 mm	1055*299*230 mm
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	710*540*220 mm	710*540*220 mm	710*540*220 mm	710*540*220 mm	710*540*220 mm	710*540*220 mm	880*638*310 mm
	Net Weight (Indoor Unit)(kg)	11.0 kg	11.0 kg	14.0 kg	9.6 kg	9.6 kg	10.6 kg	12.2 kg
	Net Weight (Outdoor Unit)(kg)	21.4 kg	21.4 kg	23.1 kg	21.4 kg	21.4 kg	22.3 kg	32.5 kg
Technical Information	Piping Length (Max)(m)	15 m	15 m	30 m	15 m	15 m	30 m	30 m
	Piping Height (Max)(m)	8 m	8 m	15 m	8 m	8 m	15 m	15 m
	SVC Valve (Liquid, ODxL)(mm)	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	SVC Valve (Gas, ODxL)(mm)	9.52	9.52	12.7	9.52	9.52	12.7	15.88
	Moisture Removal (L/h)	1.00 l/hr	1.40 l/hr	2.00 l/hr	1.00 l/hr	1.40 l/hr	2.00 l/hr	2.20 l/hr
	Air Circulation (Cooling)(m³/min)	9.90 m³/min	10.80 m³/min	16.10 m³/min	10.10 m³/min	10.60 m³/min	13.20 m³/min	17.00 m³/min
	Refrigerant (Type)	R32	R32	R32	R32	R32	R32	R32
	Low Ambient (Cooling)(°C)	16~46°C	16~46°C	16~46°C	16~46°C	16~46°C	16~46°C	16~46°C
	Outdoor Unit (Compressor Type)	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Bespoke AI WindFree

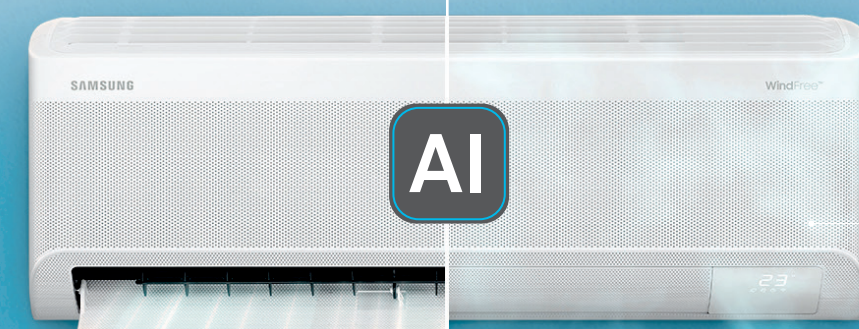
AI-powered comfort, tailored to your space. The Bespoke AI WindFree air conditioner intelligently monitors your room's conditions, adjusting temperature and humidity for consistent draft-free cooling*. With smart, connected control, it delivers personalised comfort effortlessly, every day.

*Only available on selected models.

Smart cooling that adapts to you

Keep your space perfectly comfortable with minimal effort. AI Fast & Comfort Cooling¹ intelligently analyses your room's conditions, usage habits and even the size of your space to quickly reach your preferred temperature with Fast Cooling. Once achieved, it seamlessly switches to WindFree™ Cooling², dispersing gentle air through 23,000 micro air holes to maintain the ideal temperature with a soft, draft-free breeze and evenly distributed cool air.

Indoor Temp. Outdoor Temp. Setting Temp. Operating Time Space Area

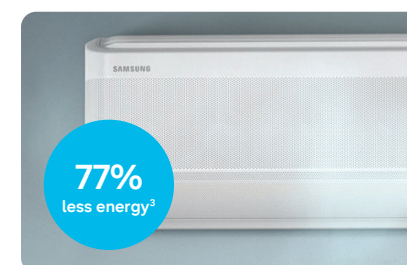


Fast Cooling

WindFree™ Cooling

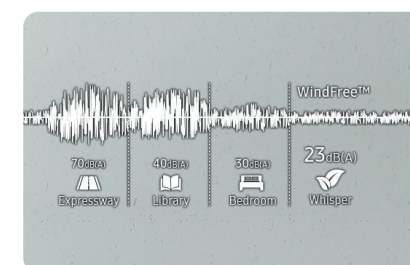
23,000
micro air holes

Why WindFree™?



Draft-Free Cooling

Reduces energy consumption by providing smooth, consistent cooling without repeated blasts of cold air, saving up to 77% energy³.



Quiet Comfort

Distributes air softly through thousands of micro air holes, resulting in lower noise than traditional cooling methods.



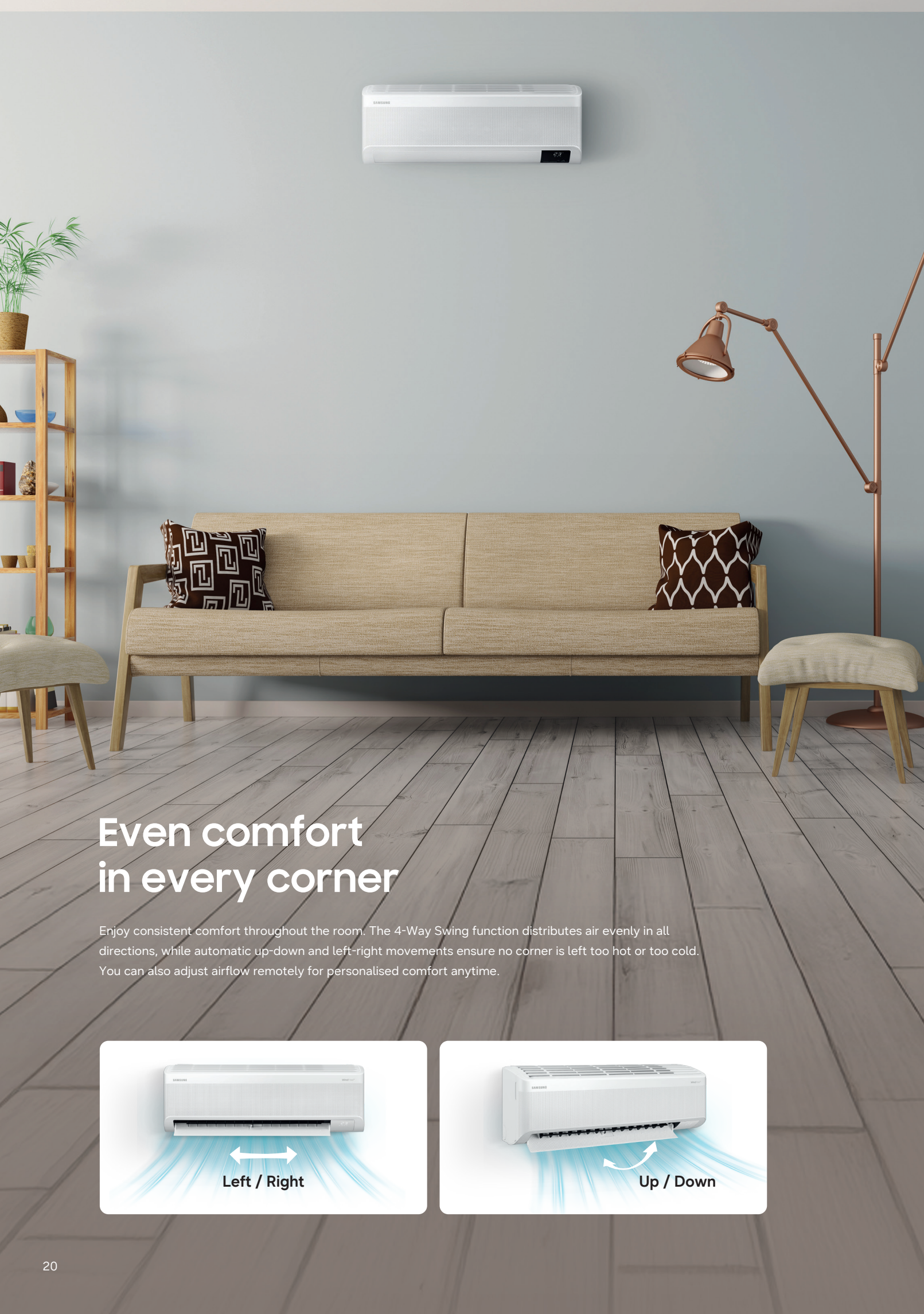
Deep Slumber

Good Sleep mode keeps your bedroom at a comfortable, steady temperature without direct cold drafts for a deep, restful night.

¹ A Wi-Fi connection and a Samsung SmartThings account are required.

² WindFree™ Cooling is only available on selected models (Only AR60H).

³ Based on internal test report, tested on the AR70H12CAAW/EU model, comparing the power consumption of Fast Cooling mode vs WindFree™ Cooling mode.



Even comfort in every corner

Enjoy consistent comfort throughout the room. The 4-Way Swing function distributes air evenly in all directions, while automatic up-down and left-right movements ensure no corner is left too hot or too cold. You can also adjust airflow remotely for personalised comfort anytime.



Dry comfort without the chill

Keep your room pleasantly dry without feeling cold. Intelligent sensors balance temperature and humidity, removing excess moisture while protecting your skin and respiratory comfort. By using only the cold air needed, it reduces energy use by up to 30%¹ while keeping your space cosy.



Efficient cooling without compromise

The high-efficiency compressor combines a quiet, stable motor with twin cylinders to keep your space comfortable without disruption. Advanced AI monitors your usage patterns and automatically adjusts cooling, maintaining the perfect temperature while saving up to 30%² energy with its intelligent energy mode.



¹ Intertek Report No.: 241200087SEL-001. Date: 24 Dec 2024. Based on the data collected the Hypothesis is accepted: The energy saving rate of Dry Comfort mode is over 30% compared to conventional Dry mode.

² Intertek Report No.: 240100169SEL-002. Date: 22 Feb 2024. Based on the data collected the Hypothesis is accepted: The energy saving rate of AI Energy Mode is over 30% compared to AI Auto mode (cooling).

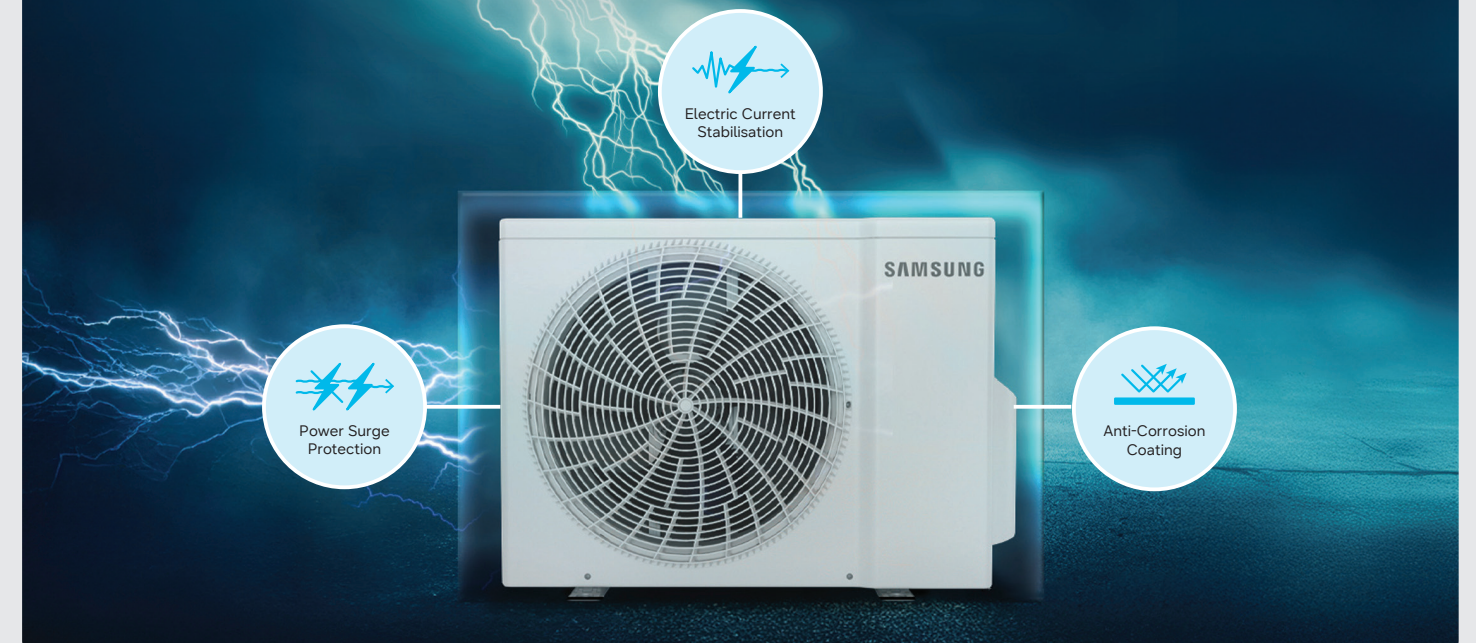
Fresh air without the hassle

Enjoy the comfort of cool air, with the added assurance of clean, healthy air. Every breeze is enhanced with a layer of protection, working quietly to reduce selected bacteria, maintain cleanliness and support a healthy indoor space for your loved ones.



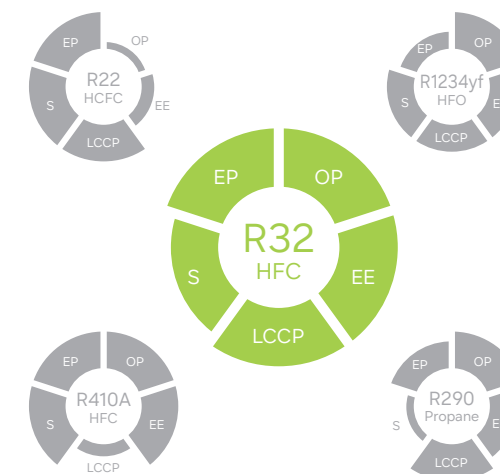
Reliable cooling that lasts

Enjoy consistent cooling you can depend on. Triple Protector Plus shields the outdoor unit from power surges and unstable currents, eliminating the need for extra stabilisers. Its anti-corrosion coating protects the condenser and cabinet, keeping your unit durable and performing at its best even in harsh weather. Together, these features provide long-lasting reliability and peace of mind.



Good for the planet

The outdoor unit uses R32 refrigerant with lower Global Warming Potential and Digital Inverter Technology for energy-efficient* cooling without frequent on-and-off cycles.



*Results may vary depending on the model used, environmental factors and individual use.

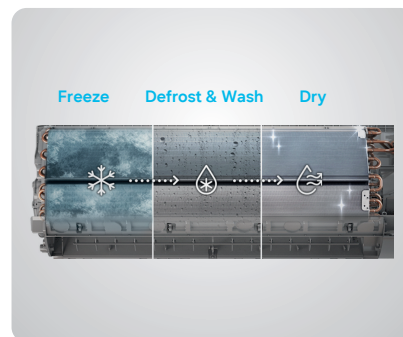
Solar Cell Remote

Take control effortlessly without worrying about batteries. The Samsung Solar Cell Remote Controller features a built-in solar panel that charges from sunlight or indoor ambient light, and can also be recharged via a USB-C connection if needed.



Copper Anti-Bacteria Filter

Enjoy fresh, healthy air with minimal effort. The dense copper mesh filter captures fine dust and reduces selected bacteria by up to 99%¹, while keeping the Heat Exchanger clean. Conveniently positioned at the top of the unit, the filter is easy to remove and wash, making maintenance simple and hassle-free.



Freeze Wash

Keep your air conditioner hygienic with Freeze Wash. It freezes the Heat Exchanger to -15°C, before defrosting it and washing up to 95% of selected bacteria². The unit is then dried to prevent leftover moisture and maintain peak performance. An alert³ lets you know when it's time to clean, making maintenance easy and worry-free.



Auto Clean

Auto Clean function automatically dries the Heat Exchanger using a 3-step process⁴ after operation. It removes moisture inside by blowing air between 10 to 30 minutes⁵, preventing odour and mould buildup.

¹ Intertek Report No.: RT22E-S0052_R1. Date: 26 Oct 2022. Filter removes 99.9% of test organism (Staphylococcus aureus, Klebsiella pneumoniae).

² Intertek Report No.: RT20E-S0047_R1. Date: 24 Mar 2022. Based on the data collected the Hypothesis is accepted: The "Wash Clean (Domestic)/Freeze Wash (Overseas)" course of Samsung Air conditioner can remove more than 95% of the bacteria on the surface of Heat Exchanger.

³ Available on Android and iOS devices. A Wi-Fi connection and a Samsung account are required.

⁴ Models without WindFree™ mode will use a 2-step process (3 minutes of auto air flow and 7 minutes of high air flow).

⁵ The Auto Clean time will vary depending on the condition of the air conditioner.

Specifications

Bespoke AI WindFree (WindFree models)



Indoor Unit Model		AR60H10D1MWNSV	AR60H13D1MWNSV	AR60H18D1MWNSV	AR60H24D1MWNSV
Outdoor Unit Model		AR60H10D1MWXSV	AR60H13D1MWXSV	AR60H18D1MWXSV	AR60H24D1MWXSV
Capacity	Cooling Capacity (Btu/h)	9000 Btu/hr	12300 Btu/hr	18000 Btu/hr	21500 Btu/hr
	Cooling Capacity (Min~Max)(Btu/h)	3000 - 11000 Btu/hr	3600 - 14000 Btu/hr	4500 - 20000 Btu/hr	5000 - 25000 Btu/hr
	Cooling Capacity (kW)	2.64 kW	3.60 kW	5.28 kW	6.30 kW
	Cooling Capacity (Min~Max)(kW)	0.88 - 3.22 kW	1.06 - 4.1 kW	1.32 - 5.86 kW	1.47 - 7.33 kW
Energy Efficiency	EER (Cooling)(W/W)	3.14 W/W	3.25 W/W	3.07 W/W	3.25 W/W
	CSPF	5.36	5.60	5.20	5.70
	Energy Star Rating (Cooling)	5 Star	5 Star	5 Star	5 Star
Noise Level	Noise Level (Indoor, High/Low, dBA)	38 / 19 dBA	38 / 19 dBA	43 / 27 dBA	45 / 30 dBA
	Noise Level (Outdoor, High/Low, dBA)	47 dBA	48 dBA	52 dBA	52 dBA
Electrical Data	Power Source(Φ/V/Hz)	1 / 220-240~/ 50	1 / 220-240~/ 50	1 / 220-240~/ 50	1 / 220-240~/ 50
	Power Consumption (Cooling)(W)	840 W	1110 W	1720 W	1940 W
	Operating Current (Cooling)(A)	4.0 A	5.2 A	8.0 A	8.6 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm*mm*mm)	682*299*215 mm	820*299*215 mm	889*299*215 mm	1055*299*215 mm
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	660*475*242 mm	710*540*220 mm	710*540*220 mm	790*548*285 mm
	Net Weight (Indoor Unit)(kg)	7.7 kg	8.9 kg	9.8 kg	11.5 kg
	Net Weight (Outdoor Unit)(kg)	18.7 kg	23.0 kg	22.8 kg	28.6 kg
Technical Information	Piping Length (Max)(m)	15 m	15 m	30 m	30 m
	Piping Height (Max)(m)	8 m	8 m	15 m	15 m
	SVC Valve (Liquid, ODxL)(mm)	6.35	6.35	6.35	6.35
	SVC Valve (Gas, ODxL)(mm)	9.52	9.52	12.7	15.88
	Moisture Removal (L/h)	1.0 l/hr	1.4 l/hr	2.0 l/hr	2.2 l/hr
	Air Circulation (Cooling)(m³/min)	8.20 m³/min	11.2 m³/min	14.20 m³/min	18.60 m³/min
	Refrigerant (Type)	R32	R32	R32	R32
	Low Ambient (Cooling)(°C)	16~46°C	16~46°C	16~46°C	16~46°C
	Outdoor Unit (Compressor Type)	BLDC	BLDC	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes	Yes

Specifications

(Non-WindFree Model)



Indoor Unit Model		AR50H10D1BHNSV	AR50H13D1BHNSV
Outdoor Unit Model		AR50H10D1BHXS	AR50H13D1BHXS
Capacity	Cooling Capacity (Btu/h)	9000 Btu/hr	12000 Btu/hr
	Cooling Capacity (Min~Max)(Btu/h)	3000 - 11000 Btu/hr	4500 - 13600 Btu/hr
	Cooling Capacity (kW)	2.64 kW	3.52 kW
	Cooling Capacity (Min~Max)(kW)	0.88 - 3.22 kW	1.32 - 3.99 kW
Energy Efficiency	EER (Cooling)(W/W)	3.14 W/W	2.98 W/W
	-	-	-
	CSPF	5.36	4.70
	Energy Star Rating (Cooling)	5 Star	3 Star
Noise Level	Noise Level (Indoor, High/Low, dBA)	38 / 19 dBA	38 / 19 dBA
	Noise Level (Outdoor, High/Low, dBA)	47 dBA	48 dBA
Electrical Data	Power Source(Φ/V/Hz)	1 / 220-240~/ 50	1 / 220-240~/ 50
	Power Consumption (Cooling)(W)	840 W	1180 W
	Operating Current (Cooling)(A)	4.0 A	5.4 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm*mm*mm)	682*299*215 mm	820*299*215 mm
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	660*475*242 mm	660*475*242 mm
	Net Weight (Indoor Unit)(kg)	7.7 kg	8.7 kg
	Net Weight (Outdoor Unit)(kg)	18.7 kg	18.7 kg
Technical Information	Piping Length (Max)(m)	15 m	15 m
	Piping Height (Max)(m)	8 m	8 m
	SVC Valve (Liquid, ODxL)(mm)	6.35	6.35
	SVC Valve (Gas, ODxL)(mm)	9.52	9.52
	Moisture Removal (L/h)	1.0 l/hr	1.4 l/hr
	Air Circulation (Cooling)(m³/min)	8.20 m³/min	11.40 m³/min
	Refrigerant (Type)	R32	R32
	Low Ambient (Cooling)(°C)	16~46°C	16~46°C
	Outdoor Unit (Compressor Type)	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes



Essential Inverter

Keep your space pleasantly cool or warm while saving on energy with the Essential Inverter range. Designed for everyday comfort, it automatically adjusts performance to maintain the perfect temperature, keeping your space comfortable while reducing energy use and environmental impact.

Quick, even cooling

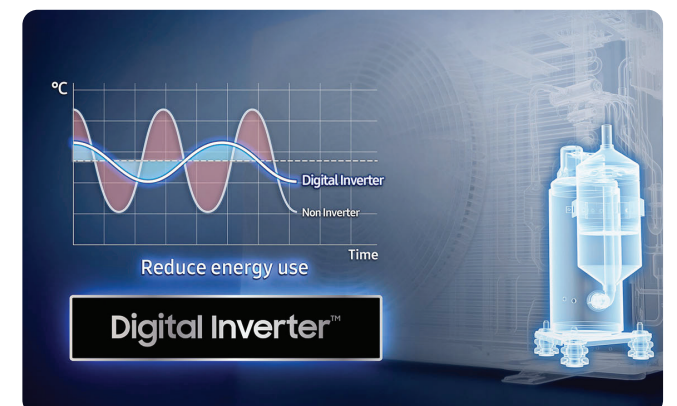
Beat the heat instantly with quick, even cooling throughout the room. Fast Cooling mode runs at maximum fan speed to bring your space to a comfortable temperature in no time, so you can relax without waiting or sweating. Additionally, the 2-Way Auto Swing moves air up and down automatically, reaching every corner so no spot is too hot or too cold.



Steady comfort with less energy

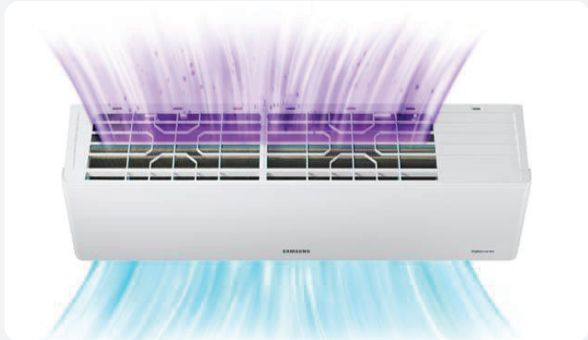
Enjoy cool, consistent comfort all year round. Digital Inverter Technology maintains a steady temperature without frequent on-off cycles, keeping your space comfortable while saving energy* compared to conventional models.

*Based on internal testing comparing AR06D1150HZN with the conventional AR06R1131HZN model.





Fresh air, effortlessly



Washable Pre-Filter

Designed to capture dust and airborne particles, the washable High Density Filter ensures effortless maintenance for a hygienic and comfortable environment.



Self Clean

Breathe clean, healthy air without the hassle. The self-clean function dries the Heat Exchanger at the touch of a button, preparing your system for the next cool, fresh breeze.

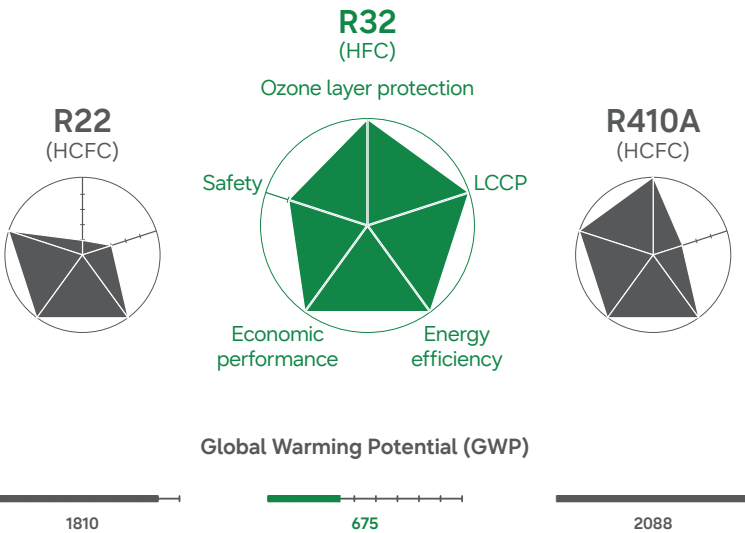
Style that fits your space

Choose an indoor unit that complements your home or office. With 6 sleek designs, you can match your interior style while enjoying efficient, reliable cooling.

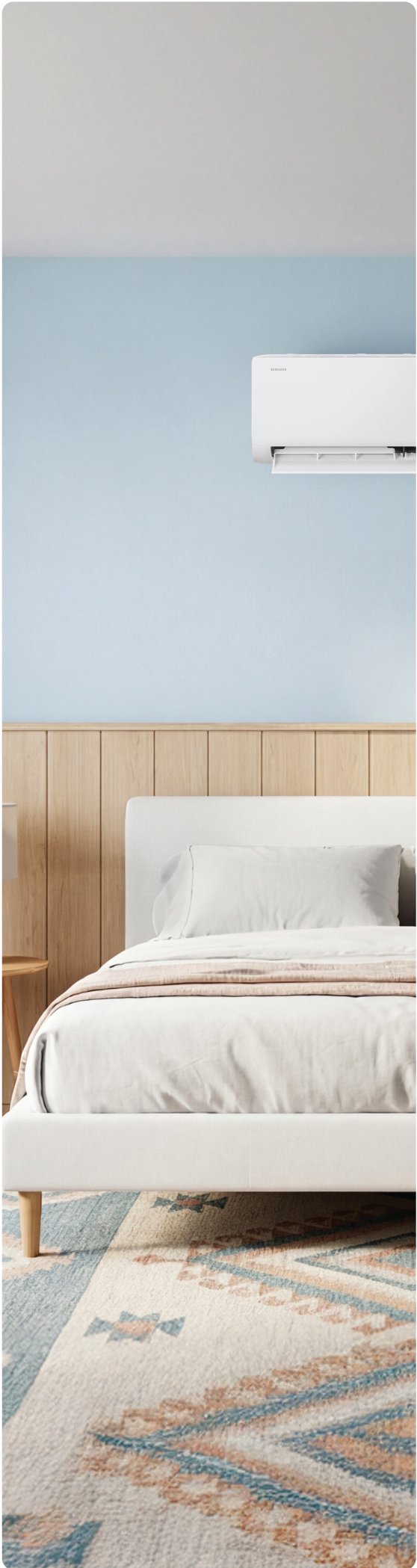


Good for the planet

The outdoor unit uses next-generation R32 refrigerant with zero ozone depleting potential and a lower global warming potential* compared to conventional refrigerant.



*GWP rating: R32 refrigerant = 675 vs. R410A refrigerant = 2,088.



Specifications

Essential Inverter Cooling Only



Indoor Unit Model		AR40H09D0BTNSV	AR40H12D0BTNSV	AR40H09D0ATNSV	AR40H12D0ATNSV
Outdoor Unit Model		AR40H09D0BTXSV	AR40H12D0BTXSV	AR40H09D0ATXSV	AR40H12D0ATXSV
Capacity	Cooling Capacity (Btu/h)	9000 Btu/hr	12000 Btu/hr	9000 Btu/hr	12000 Btu/hr
	Cooling Capacity (Min~Max)(Btu/h)	2,350 - 9,200 Btu/hr	2,700 - 12,000 Btu/hr	2,350 - 9,200 Btu/hr	2,700 - 12,000 Btu/hr
	Cooling Capacity (kW)	2.64 kW	3.52 kW	2.64 kW	3.52 kW
	Cooling Capacity (Min~Max)(kW)	0.69 - 2.70 kW	0.79 - 3.52 kW	0.69 - 2.70 kW	0.79 - 3.52 kW
Energy Efficiency	EER (Cooling)(W/W)	2.60 W/W	2.50 W/W	2.60 W/W	2.50 W/W
	CSPF	4.0	4.0	4.0	4.0
	Energy Star Rating (Cooling)	3 Star	3 Star	3 Star	3 Star
Noise Level	Noise Level (Indoor, High/Low, dBA)	39/33 dBA	36/33 dBA	39/33 dBA	36/33 dBA
	Noise Level (Outdoor, High/Low, dBA)	50 dBA	48 dBA	50 dBA	48 dBA
Electrical Data	Power Source(Φ/V/Hz)	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
	Power Consumption (Cooling)(W)	1015 W	1407 W	1015 W	1407 W
	Operating Current (Cooling)(A)	4.7 A	6.6 A	4.7 A	6.6 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm*mm*mm)	698×255×195 mm	782×250×200 mm	698×255×197 mm	782×250×202 mm
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	724×276×459 mm	724×276×459 mm	724×276×459 mm	724×276×459 mm
	Net Weight (Indoor Unit)(kg)	6.7 kg	7.5 kg	6.7 kg	7.5 kg
	Net Weight (Outdoor Unit)(kg)	18.3 kg	19.2 kg	18.3 kg	19.2 kg
Technical Information	Piping Length (Max)(m)	15.0 m	15.0 m	15.0 m	15.0 m
	Piping Height (Max)(m)	5.0 m	5.0 m	5.0 m	5.0 m
	SVC Valve (Liquid, ODxL)(mm)	6.35	6.35	6.35	6.35
	SVC Valve (Gas, ODxL)(mm)	9.52	9.52	9.52	9.52
	Moisture Removal (L/h)	0.7 l/hr	1.3 l/hr	0.7 l/hr	1.3 l/hr
	Air Circulation (Cooling)(m³/min)	7.50 m³/min	8.33 m³/min	7.50 m³/min	8.33 m³/min
	Refrigerant (Type)	R32	R32	R32	R32
	Low Ambient (Cooling)(°C)	0~50°C	0~50°C	0~50°C	0~50°C

Specifications

Essential Inverter Heat Pump



Indoor Unit Model		AR40H09C1AMNSV	AR40H12C1AMNSV	AR40H18C1AMNSV	AR40H24C1AMNSV
Outdoor Unit Model		AR40H09C1AMXSV	AR40H12C1AMXSV	AR40H18C1AMXSV	AR40H24C1AMXSV
Capacity	Cooling Capacity (Btu/h)	9000 Btu/hr	11700 Btu/hr	18000 Btu/hr	24000 Btu/hr
	Heating Capacity (Btu/h)	10000 Btu/hr	13000 Btu/hr	18000 Btu/hr	25000 Btu/hr
	Cooling Capacity (Min~Max)(Btu/h)	3105-11601 Btu/hr	3787-14194 Btu/hr	6176-20984 Btu/hr	7097-26990 Btu/hr
	Heating Capacity (Min~Max)(Btu/h)	2798-11499 Btu/hr	3685-14399 Btu/hr	4367-22998 Btu/hr	5493-26990 Btu/hr
Energy Efficiency	EER (Cooling)(W/W)	3.36 W/W	2.90 W/W	3.21 W/W	2.80 W/W
	COP (Heating)(W/W)	3.80 W/W	3.50 W/W	3.56 W/W	3.00 W/W
	CSPF	4.8	4.8	4.6	4.4
	Energy Star Rating (Cooling)	4 Star	4 Star	4 Star	4 Star
Noise Level	Noise Level (Indoor, High/Low, dBA)	36 / 28 dBA	38 / 28 dBA	42 / 30 dBA	43 / 37 dBA
	Noise Level (Outdoor, High/Low, dBA)	49 dBA	50 dBA	51 dBA	56 dBA
Electrical Data	Power Source(Φ/V/Hz)	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
	Power Consumption (Cooling)(W)	785 W	1182 W	1645 W	2510 W
	Power Consumption (Heating)(W)	770 W	1088 W	1482 W	2442 W
	Operating Current (Cooling)(A)	3.7 A	5.3 A	7.4 A	11.2 A
	Operating Current (Heating)(A)	3.5 A	4.7 A	6.7 A	11.0 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm*mm*mm)	805x285x194 mm	805x285x194 mm	957x302x213 mm	1040x327x220 mm
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	720x495x270 mm	720x495x270 mm	805x554x330 mm	890x673x342 mm
	Net Weight (Indoor Unit)(kg)	8.5 kg	8.5 kg	10.5 kg	13.0 kg
	Net Weight (Outdoor Unit)(kg)	23.2 kg	23.2 kg	31.5 kg	42.9 kg
Technical Information	Piping Length (Max)(m)	25 m	25 m	30 m	30 m
	Piping Height (Max)(m)	10 m	10 m	20 m	25 m
	SVC Valve (Liquid, ODxL)(mm)	6.35	6.35	6.35	9.52
	SVC Valve (Gas, ODxL)(mm)	9.52	9.52	12.7	15.88
	Moisture Removal (L/h)	0.9 l/hr	1.2 l/hr	2.3 l/hr	3.1 l/hr
	Air Circulation (Cooling)(m³/min)	7.77 m³/min	9.00 m³/min	11.00 m³/min	14.17 m³/min
	Refrigerant (Type)	R32	R32	R32	R32
	Low Ambient (Cooling)(°C)	-10~46°C	-10~46°C	-10~46°C	-10~46°C
	Low Ambient (Heating)(°C)	-15~24°C	-15~24°C	-15~24°C	-15~24°C
	Outdoor Unit (Compressor Type)	ROTARY	ROTARY	ROTARY	ROTARY