SAMSUNG

Intelligent cooling.
No cold drafts.

Samsung Smart Inverter AR9500 2.0 WindFree™ air conditioners

- **PM1.0 Filter -** air purification filter captures ultra-fine particles and sterilises up to 99% of bacteria (anti-dust, anti-bacteria and anti-virus.)
- **Motion Detect Sensor -** efficiently and effectively cools you automatically according to your movement.
- **Freeze Wash -** quickly freezes the heat exchanger to create frost. Blows air to defrost and washes away dirt and 90% microorganisms.
- **Wi-Fi enabled -** through the Samsung SmartThings App, control and monitor your air con unit remotely, anytime, anywhere.
- **AI Auto Cooling -** the power of Artificial Intelligence automatically optimises the various modes by analysing the room conditions and your usage patterns.
- **WindFree™ Cooling -** cools a wider and larger area more evenly. And it consumes up to 77% less energy than Fast Cooling mode* so you can stay comfortably cool while reducing energy costs.

The ultra-premium AR9500 WindFree™ Range. Experience ultimate comfort.

The new AR9500 WindFree™ range uses innovative technologies to provide comfort to any space so that you can experience ultimate well-being no matter where you are or what you are doing. Equipped with AI, it analyses room conditions and usage patterns. The MDS efficiently regulates movement in the room, so it knows when to switch on and switch off or change temperatures. It also learns occupancy patterns and will automatically reduce run times between occupied and unoccupied times. The PM 1.0 Filter enhances the aircon to also function as an air purifier by catching ultra-fine dust and sterilising viruses and bacteria. Provide your family with an energy-efficient aircon as well as the great advantage of enjoying purified air.

Model Code		AR12BSAAAWK/FA	AR18BSAAAWK/FA	AR24BSAAAWK/FA
Capacity	Capacity (Cooling, Btu/hr)	11942 Btu/hr	17061 Btu/hr	22008 Btu/hr
	Capacity (Heating, Btu/hr)	11942 Btu/hr	20473 Btu/hr	22008 Btu/hr
	Capacity (Cooling, Min – Max, Btu/hr)	3,412 ~ 13,649 Btu/hr	5,459 ~ 22,179 Btu/hr	4,777 ~ 26,956 Btu/hr
	Capacity (Heating, Min – Max, Btu/hr)	3,753 ~ 18,426 Btu/hr	4,095 ~ 24,567 Btu/hr	4,095 ~ 30,368 Btu/hr
	Capacity (Cooling, kW)	3.50 kW	5.00 kW	6.45 kW
	Capacity (Heating, kW)	3.50 kW	6.00 kW	6.45 kW
	Capacity (Cooling, Min – Max, kW)	1.0 ~ 4.0 kW	1.6 ~ 6.5 kW	1.4 ~ 7.9 kW
	Capacity (Heating, Min – Max, kW)	1.1 ~ 5.4 kW	1.2 ~ 7.2 kW	1.2 ~ 8.9 kW
Energy Efficiency	EER (Cooling, W/W)	3.3 W/W	3.45 W/W	3.23 W/W
	COP (Heating, W/W)	3.72 W/W	3.43 W/W	3.41 W/W
	EER (Cooling, Btu/hW)	11.27 Btu/hW	11.77 Btu/hW	11 Btu/hW
	COP (Heating, Btu/hW)	12.7 Btu/hW	11.7 Btu/hW	11.64 Btu/hW
	Energy Efficiency Class for cooling (Grade)	A	A+	A
Noise Level	Noise Level (Indoor, High/Low, dBA)	38 / 22 dBA	41 / 27 dBA	44 / 28 dBA
	Noise Level (Outdoor, High/Low, dBA)	46 dBA	51 dBA	54 dBA
Electrical Data	Power Source(Ø/V/Hz)	1 / 220–240~/50	1 / 220–240~/50	1 / 220–240~/50
	Power Consumption(Cooling, W)	1060 W	1450 W	2000 W
	Power Consumption(Heating, W)	940 W	1750 W	1890 W
	Operating Current(Cooling, A)	5.0 A	6.6 A	9.2 A
	Operating Current(Heating, A)	4.5 A	7.9 A	8.5 A
Physical specification	Gross Dimension (Indoor, WxHxD)	880*290*410 mm	1115*290*410 mm	1115*290*410 mm
	Gross Dimension (Outdoor, WxHxD)	844*622*353 mm	1023*724*413 mm	1023*724*413 mm
	Net Dimension (Indoor, WxHxD)	820*345*215 mm	1055*345*215 mm	1055*345*215 mm
	Net Dimension (Outdoor, WxHxD)	720*548*265 mm	880*638*310 mm	880*638*310 mm
	Gross Weight (Indoor, kg)	12 kg	15.1 kg	15.1 kg
	Gross Weight (Outdoor, kg)	29.1 kg	43.1 kg	45.8 kg
	Net Weight (Indoor, kg)	10.4 kg	13.3 kg	13.3 kg
	Net Weight (Outdoor, kg)	27.1 kg	39.7 kg	42.7 kg
	Loading Quantity (20/40/40Hft without Pipe)	90 / 189 / 214	64 / 135 / 151	64 / 135 / 151
Technical Information	Piping Length (Max, m)	15 m	30 m	30 m
	Piping Height (Max, m)	8 m	15 m	15 m
	SVC Valve (Liquid (ODxL))	6.35	6.35	6.35
	SVC Valve (Gas (ODxL))	9.52	12.7	15.88
	Moisture Removal (l/hr)	1.5 l/hr	2 l/hr	2.5 l/hr
	Air Circulation (Cooling, °C/min)	12.1 °C/min	16.6 °C/min	17.1 °C/min
	Refrigerant (Type)	R410A	R410A	R410A
	Refrigerant (Charging, kg)	1.00 kg	1.30 kg	1.40 kg
	Refrigerant (Charging, tCO2e)	2.09 tCO2e	2.71 tCO2e	2.92 tCO2e
	Low Ambient (Cooling, °C)	–10 ~ 46 °C	–10 ~ 46 °C	–10 ~ 46 °C
	Low Ambient (Heating, °C)	–15 ~ 24 °C	–15 ~ 24 °C	–15 ~ 24 °C
	Outdoor Unit (Compressor Type)	BLDC	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes
Air Flow	WindFree Cooling	Yes	Yes	Yes
	Air Direction Control (Up/Down)	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto
	Air Flow Control Step (Cool/Fan)	5/4	5/4	5/4
Air Purification	PM 1.0 Filter	Yes	Yes	Yes
	Tri Care Filter	No	No	No
	Easy Filter Plus (Anti-Bacteria)	No	No	No
	Auto Clean (Self Cleaning)	Yes	Yes	Yes
Convenience	SmartThings	Yes	Yes	Yes
	AI Auto Cooling	Yes	Yes	Yes
	Motion Detect Sensor	Yes	Yes	Yes
	Filter Cleaning Indicatior	Yes	Yes	Yes
	Indoor Temp. Display	Yes	Yes	Yes
	Display On/Off	Yes	Yes	Yes
	Beep On/Off	Yes	Yes	Yes
	24-Hour Timer	Yes	Yes	Yes
	Auto Changeover	Yes	Yes	Yes
	Auto Restart	Yes	Yes	Yes
Operating Mode	Auto Mode	Yes	Yes	Yes
	Fast Cool	Yes	Yes	Yes
	Good Sleep	Yes	Yes	Yes
	Eco Mode	Yes	Yes	Yes
	Dehumidification	Yes	Yes	Yes
	Fan Mode	Yes	Yes	Yes
	Quiet	Yes	Yes	Yes
Smart	WiFi Embedded	Yes	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes	Yes

Due to Samsung's policy of constant improvement, specifications are subject to change without notice. E&OE.

* Specifications may be subject to change without prior notice.
1. Cooling capacities based on: - Indoor temperature: 27°C DB, 19°C Wb - Outdoor temperature: 35°C DB, 24°C WB. Equivalent refrigerant piping: 5m, Level difference: 0M
2. Heating capacities based on: - Indoor temperature: 20°C DB, 15°C Wb - Outdoor temperature: 7°C DB, 64°C WB. Equivalent refrigerant piping: 5m, Level difference: 0M
3. Sound pressure was acquired in an anechoic room. Thus noise level may be different depending on the installation conditions.
4. These products contain R410A which is fluorinated greenhouse gas.

fourways

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