Samsung Smart Inverter AR9500 2.0 WindFree™ air conditioner

FIVE YEAR 5 WARRANTY

- PM1.0 Filter - Captures ultrafine particles and sterilizes up to 99% of bacteria. Anti-dust. Anti-bacteria. 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 aircon unit remotely, anytime, anywhere.
- AI Auto Cooling - the power of artificial intelligence automatically optimizes the various modes by analyzing the room conditions and your usage patterns.
- WindFree™ Cooling - uses 77% less energy than Fast Cooling to save costs.
- Powerful & farther airflow - more airflow up to 15m.

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Feel safe in your environment, knowing that you have good air quality for you and your family. The PM1.0 Filter captures ultrafine particles and sterilizes up to 99% of bacteria. Anti-dust. Anti-bacteria. Anti-Virus. Motion Detection Sensor efficiently and effectively cools you automatically according to your movement. The Freeze Wash function quickly freezes the heat exchanger to create frost, blows air to defrost and washes away dirt and 90% Microorganisms to assure that your Aircon is cleaning itself to ensure highest indoor quality. With its AI Auto cooling function, it provides convenience by analysing your preferred mode & room conditions and automatically switching to the most appropriate operating mode. Smart Wi-Fi enabled and works with voice control with SmartThings App, allowing remote control and monitoring of your aircon unit, anytime and anywhere.

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 Mode	Yes	Yes	Yes
Smart	WiFi Embedded	Yes	Yes	Yes
App Connectivity	SmartThings App Support	Yes	Yes	Yes

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