

SAMSUNG



AR6500 WindFree™ Air Conditioner



- **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.
- **Easy Filter Plus** - anti-bacterial coating helps protect you against dangerous airborne contaminants.
- **Digital Inverter Boost** - Maintains the desired temperature with less fluctuation, saving energy and money daily.
- **4-Way Swing** - Control the wind direction using the remote controller. Direct the wind to your desired location.
- **WindFree™ Good Sleep** - Maintains a comfortable sleeping temperature without a cold air flow, ensuring a refreshed awakening with its WindFree™ Cooling temperature control.
- **Cooling/Heating**- Cools in summer and heats in winter.
- **Less Noise**- Cool or heat with less noise. The compressor creates a powerful airflow but operates quietly.
- **Triple Protector Plus**- Built-in protection against power surges and fluctuating electrical currents. Its anti-corrosion coating also protects the condenser and cabinet.
- **DuraFin™ Plus**- The DuraFin™ coil is corrosion-resistant and protects the condenser from rust. This ensures optimal performance and efficiency of the Heat Exchange system for a longer time.

Cool. Quiet. Saving.

AR6500 WindFree™ Air Conditioner

Ideal for family rooms, children's rooms, and play areas. The Samsung AR6500 WindFree™ air conditioner gently and quietly disperses air through 23 000 micro air holes, so there is no unpleasant feeling of cold wind on your skin. It maintains the desired temperature with less fluctuation and uses 77% less energy than Fast Cooling mode***. With Good Sleep mode, you can create the ideal climate for sleeping and use less energy compared to the standard cooling mode. The 3-Step Auto clean function keeps the inside of the aircon clean and hygienic ensuring optimum performance and clean, healthy air.



Model Code		AR09BSHCMWK/FA	AR12BSHCMWK/FA	AR18BSHCMWK/FA	AR24BSHCMWK/FA
Capacity	Capacity (Cooling, Btu/hr)	8530 Btu/hr	11260 Btu/hr	17061 Btu/hr	22008 Btu/hr
	Capacity (Heating, Btu/hr)	10919 Btu/hr	12966 Btu/hr	18767 Btu/hr	22008 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	2388 - 11260 Btu/hr	2320 - 14331 Btu/hr	4,777 ~ 21,155 Btu/hr	3,412 ~ 25,250 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	1911 - 11260 Btu/hr	1638 - 14331 Btu/hr	3,344 ~ 22,179 Btu/hr	3,344 ~ 27,809 Btu/hr
	Capacity (Cooling, kW)	2.50 kW	3.30 kW	5.00 kW	6.45 kW
	Capacity (Heating, kW)	3.20 kW	3.80 kW	5.50 kW	6.45 kW
	Capacity (Cooling, Min - Max, kW)	0.7 - 3.3 kW	0.68 - 4.2 kW	1.4 ~ 6.2 kW	1.0 ~ 7.4 kW
	Capacity (Heating, Min - Max, kW)	0.56 - 3.3 kW	0.48 - 4.2 kW	0.98 ~ 6.5 kW	0.98 ~ 8.15 kW
Energy Efficiency	EER (Cooling, W/W)	3.21 W/W	3.22 W/W	3.33 W/W	3.09 W/W
	COP (Heating, W/W)	3.56 W/W	3.41 W/W	3.57 W/W	3.23 W/W
	EER (Cooling, Btu/hW)	10.94 Btu/hW	10.99 Btu/hW	11.37 Btu/hW	10.53 Btu/hW
	COP (Heating, Btu/hW)	12.13 Btu/hW	11.63 Btu/hW	12.19 Btu/hW	11.00 Btu/hW
	Energy Efficiency Class for cooling (Grade)	A	A	A	B
Noise Level	Noise Level (Indoor, High/Low, dBA)	38 / 21 dBA	39 / 22 dBA	41 / 27 dBA	44 / 28 dBA
	Noise Level (Outdoor, High/Low, dBA)	49 dBA	49 dBA	51 dBA	54 dBA
Electrical Data	Power Source(Ø/V/Hz)	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
	Power Consumption(Cooling, W)	780 W	1025 W	1500 W	2090 W
	Power Consumption(Heating, W)	900 W	1115 W	1540 W	2000 W
	Operating Current(Cooling, A)	3.9 A	5.0 A	6.6 A	9.4 A
	Operating Current(Heating, A)	4.3 A	5.2 A	6.9 A	8.9 A
Physical specification	Gross Dimension (Indoor, WxHxD)	880*290*375 mm	880*290*375 mm	1115*290*375 mm	1115*290*375 mm
	Gross Dimension (Outdoor, WxHxD)	778*550*331 mm	844*622*353 mm	913*622*371 mm	1023*724*413 mm
	Net Dimension (Indoor, WxHxD)	820*299*215 mm	820*299*215 mm	1055*299*215 mm	1055*299*215 mm
	Net Dimension (Outdoor, WxHxD)	660*475*242 mm	720*548*265 mm	790*548*285 mm	880*638*310 mm
	Gross Weight (Indoor, kg)	10.5 kg	10.5 kg	13.6 kg	13.7 kg
	Gross Weight (Outdoor, kg)	23.9 kg	29.1 kg	35.3 kg	45.1 kg
	Net Weight (Indoor, kg)	9.2 kg	9.2 kg	11.9 kg	11.9 kg
	Net Weight (Outdoor, kg)	22.2 kg	27.1 kg	33.8 kg	42.1 kg
	Loading Quantity (20/40/40Hft without Pipe)	120 / 248 / 280	96 / 197 / 232	80 / 168 / 198	65 / 138 / 154
Technical Information	Piping Length (Max, m)	15 m	15 m	20 m	20 m
	Piping Height (Max, m)	7 m	7 m	12 m	12 m
	SVC Valve (Liquid (ODxL))	6.35	6.35	6.35	6.35
	SVC Valve (Gas (ODxL))	9.52	9.52	12.7	15.88
	Moisture Removal (l/hr)	1 l/hr	1.5 l/hr	2 l/hr	2.5 l/hr
	Air Circulation (Cooling, °C/min)	10.3 °C/min	10.7 °C/min	16.6 °C/min	18.6 °C/min
	Refrigerant (Type)	R410A	R410A	R410A	R410A
	Refrigerant (Charging, kg)	0.83 kg	0.97 kg	1.15 kg	1.4 kg
	Refrigerant (Charging, tCO2e)	1.73 tCO2e	2.03 tCO2e	2.4 tCO2e	2.92 tCO2e
	Low Ambient (Cooling, °C)	16~46 °C	16~46 °C	16~46 °C	16~46 °C
	Low Ambient (Heating, °C)	-10~24 °C	-10~24 °C	-10~24 °C	-10~24 °C
	Outdoor Unit (Compressor Type)	BLDC	BLDC	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes	Yes
Air Flow	WindFree Cooling	Yes	Yes	Yes	Yes
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Auto
	Air Flow Control Step (Cool/Fan)	5/4	5/4	5/4	5/4
Air Purification	PM1.0 Filter	No	No	No	No
	Tri Care Filter	No	No	No	No
	Eosy Filter Plus (Anti-Bacteria)	Yes	Yes	Yes	Yes
	Auto Clean (Self Cleaning)	Yes	Yes	Yes	Yes
Convenience	SmartThings	No	No	No	No
	AI Auto Cooling	No	No	No	No
	Motion Detect Sensor	No	No	No	No
	Freeze Wash	No	No	No	No
	Filter Cleaning Indicator	Yes	Yes	Yes	Yes
	Indoor Temp. Display	Yes	Yes	Yes	Yes
	Display On/Off	Yes	Yes	Yes	Yes
	Beep On/Off	Yes	Yes	Yes	Yes
	24-Hour Timer	Yes	Yes	Yes	Yes
	Auto Changeover	Yes	Yes	Yes	Yes
Operating Mode	Auto Restart	Yes	Yes	Yes	Yes
	Auto Mode	Yes	Yes	Yes	Yes
	Fast Cool	Yes	Yes	Yes	Yes
	Good Sleep	Yes	Yes	Yes	Yes
	Eco Mode	Yes	Yes	Yes	Yes
	Dehumidification	Yes	Yes	Yes	Yes
	Fan Mode	Yes	Yes	Yes	Yes
	Quiet	Yes	Yes	Yes	Yes
Smart	WiFi Embedded	No	No	No	No
App Connectivity	SmartThings App Support	No	No	No	No

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.



JHB & Central: (011) 704-6320
 Bloemfontein: 083 381 0074
 Gqeberha (PE): (041) 484-6413
 EL: (043) 722-0671

KZN: (031) 579-1895
 Pretoria: (012) 643-0445
 CPT: (021) 556-8292

SAMSUNG