

Samsung Inverter AR6500 WindFree™ air conditioner

The cool without the direct draught. Ideal for family rooms, children's rooms, and play areas. Cools the air 43% faster reaching a distance of 15 meters. With Good Sleep mode you can create the ideal climate in your bedroom for sleeping and use less energy compared to the normal 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	ARI2BSHCMWK/FA	ARI8BSHCMWK/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(ØV/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
	Easy 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 Mode	Yes	Yes	Yes	Yes	
Smart	WiFi Embedded	No	No	No	No
App Connectivity	SmartThings App Support	No	No	No	No

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