



Introducing the new **Samsung AR 4500 range**

9000, 12 000, 18 000 and 24 000 Btu/hr

Now there's a brand new range of inverter Samsung airconditioners

- Digital inverter technology ensures significant running cost savings by maintaining the desired temperature without constantly switching on and off.
- Fast Cooling mode, cools room rapidly and effectively.
- Anti-corrosion fins on the outdoor unit, proven to pass the 480-hour salt spray test.
- Suitable for room sizes from 15m² up to 45m²

Samsung AR 4500 range (Inverter)

9000, 12 000, 18 000 and 24 000 Btu/hr

New Max Inverter AR4500 (Cooling Only) Specification



Model Code		AR09TVHGAWK/AF	AR12TVHGAWK/AF	AR18TVHGAWK/AF	AR24TVHGAWK/AF
Capacity	Capacity (Cooling, Btu/hr)	8701 Btu/hr	11533 Btu/hr	17061 Btu/hr	22008 Btu/hr
	Capacity (Cooling, kW)	2.55 kW	3.38 kW	5.00 kW	6.45 kW
Energy Efficiency	EER (Cooling, W/W)	2.90 W/W	2.90 W/W	3.05 W/W	3.10 W/W
	EER (Cooling, Btu/hW)	9.89 Btu/hW	9.89 Btu/hW	10.40 Btu/hW	10.58 Btu/hW
	SEER (Cooling, W/W)	4.87 W/W	5.02 W/W	4.85 W/W	5.76 W/W
Noise Level	Noise Level (Indoor, High/Low, dBA)	36/25 dBA	38/28 dBA	43.5/35 dBA	45.5/36 dBA
	Noise Level (Outdoor, High/Low, dBA)	48 dBA	49 dBA	52 dBA	55.5 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)	880 W	1166 W	1640 W	2080 W
	Operating Current(Cooling, A)	4.0 A	5.11 A	9.0 A	9.2 A
Physical specification	Gross Dimension (Indoor, WxHxD, mm*mm*mm)	866×271×367 mm	921×281×379 mm	1041×320×383 mm	1129×339×408 mm
	Gross Dimension (Outdoor, WxHxD, mm*mm*mm)	774×607×351 mm	823×595×358 mm	948×645×420 mm	963×700×411 mm
	Net Dimension (Indoor, WxHxD, mm*mm*mm)	790×275×200 mm	845×289×209 mm	970×300×224 mm	1078×325×246 mm
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	710×550×318 mm	782×540×320 mm	899×596×378 mm	912×646×373 mm
	Gross Weight (Indoor, kg)	11.5 kg	14.0 kg	17.5 kg	20.5 kg
	Gross Weight (Outdoor, kg)	28.0 kg	31.5 kg	44.0 kg	48.5 kg
	Net Weight (Indoor, kg)	9.5 kg	11.0 kg	14.0 kg	17.0 kg
	Net Weight (Outdoor, kg)	26.0 kg	28.5 kg	40.0 kg	42.0 kg
Technical Information	Piping Length (Max, m)	15 m	20 m	15 m	25 m
	Piping Height (Max, m)	10 m	10 m	10 m	10 m
	SVC Valve (Liquid (ODxL))	φ6	φ6	φ6	φ6
	SVC Valve (Gas (ODxL))	φ9.52	φ9.52	φ12	φ16
	Moisture Removal (l/hr)	0.80 l/hr	1.40 l/hr	1.80 l/hr	2.00 l/hr
	Air Circulation (Cooling, m ² /min)	470 m ² /min	680 m ² /min	800 m ² /min	1200 m ² /min
	Refrigerant (Type)	R410A	R410A	R410A	R410A
Air Flow	Low Ambient (Cooling, °C)	18~48 °C	18~48 °C	18~48 °C	18~48 °C
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual	Manual	Manual
	Air Flow Control Step (Cool/Fan)	3 Step	3 Step	3 Step	3 Step
Convenience	Indoor Temp. Display	Yes	Yes	Yes	Yes
	Display On/Off	Yes	Yes	Yes	Yes
	24-Hour Timer	Yes	Yes	Yes	Yes
	Auto Restart	Yes	Yes	Yes	Yes
Operating Mode	Auto Mode	Yes	Yes	Yes	Yes
	Fast Cool	Yes	Yes	Yes	Yes
	Good Sleep	Yes	Yes	Yes	Yes
	Dehumidification	Yes	Yes	Yes	Yes
	Fan Mode	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 are based on: - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m
- 2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) These products contain R410A which is fluorinated greenhouse gas.

	Period	Covered
Warranty	2 years	AR4500 Cooling Only Unit,
	5years	Digital Compressor

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