



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 desired temperature without constantly switching on and off.
- Sleek good looks enhance any décor
- Fast Cooling mode cools/heats an entire room rapidly and effectively
- Anti-corrosion fins on outdoor unit (proven to have passed the rigorous 480-hour Salt Spray Test)
- Good Sleep mode automatically controls night temperature to create the ideal conditions for each stage of the sleep cycle
- 4 models suitable for room sizes from 15m² up to 45m²
- Backed nationwide by Fourways Airconditioning South Africa
- Backed by Fourways 5-year Warranty

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Samsung AR 4500 range (Inverter)

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

This new Samsung AR 4500 range with Digital Inverter saves money by constantly maintaining pre-set temperature without constantly switching on and off. Cooling capacities from 2.50 kW up to 6.45 kW, heating from 2.6 kW up to 6.75 kW. EERs (Cooling W/W) are from 3.01 up to 3.21 and COPs (Heating W/W) up to 3.55. Piping lengths (indoor/outdoor) are 15 to 25 metres, with a height difference of 10 metres. Anti-corrosion fins on outdoor units have been proven to have passed the rigorous 480-hour Salt Spray Test. All AR 4500 models are also covered by Fourways 5-year Warranty on parts, and are backed by 9 branches nationwide.



| Model Code | | AR09TSHGAWK/FA | AR12TSHGAWK/FA | AR18TSHGAWK/FA | AR24TSHGAWK/FA |
|-----------------------|---------------------------------------|---------------------|---------------------|---------------------|---------------------|
| Capacity | Capacity (Cooling, Btu/hr) | 8530 Btu/hr | 10407 Btu/hr | 16003 Btu/hr | 22008 Btu/hr |
| | Capacity (Heating, Btu/hr) | 8872 Btu/hr | 11260 Btu/hr | 17999 Btu/hr | 23032 Btu/hr |
| | Capacity (Cooling, Min - Max, Btu/hr) | 2,218-10,236 Btu/hr | 2,047-12,283 Btu/hr | 5,732-19,210 Btu/hr | 5,800-25,200 Btu/hr |
| | Capacity (Heating, Min - Max, Btu/hr) | 2,047-11,601 Btu/hr | 2,047-12,966 Btu/hr | 5,323-22,280 Btu/hr | 4,800-27,000 Btu/hr |
| | Capacity (Cooling, kW) | 2.50 kW | 3.05 kW | 4.69 kW | 6.45 kW |
| | Capacity (Heating, kW) | 2.60 kW | 3.3 kW | 5.28 kW | 6.75 kW |
| | Capacity (Cooling, Min - Max, kW) | 0.65-3.00 kW | 0.60-3.60 kW | 1.68-5.63 kW | 1.70-7.40 kW |
| | Capacity (Heating, Min - Max, kW) | 0.60-3.40 kW | 0.60-3.80 kW | 1.56-6.53 kW | 1.40-7.90 kW |
| Energy Efficiency | EER (Cooling, W/W) | 3.01 W/W | 3.01 W/W | 3.01 W/W | 3.21 W/W |
| | COP (Heating, W/W) | 3.50 W/W | 3.21 W/W | 3.20 W/W | 3.55 W/W |
| | EER (Cooling, Btu/hW) | 10.28 Btu/hW | 10.27 Btu/hW | 10.27 Btu/hW | 10.95 Btu/hW |
| | COP (Heating, Btu/hW) | 11.96 Btu/hW | 10.95 Btu/hW | 10.91 Btu/hW | 12.12 Btu/hW |
| Noise Level | Noise Level (Indoor, High/Low, dBA) | 36/25.0 dBA | 36/22.5 dBA | 41/34 dBA | 46/37 dBA |
| | Noise Level (Outdoor, High/Low, dBA) | 47 dBA | 52 dBA | 53 dBA | 54 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) | 830 W | 1013 W | 1558 W | 2010 W |
| | Power Consumption(Heating, W) | 742 W | 1028 W | 1650 W | 1900 W |
| | Operating Current(Cooling, A) | 3.70 A | 4.50 A | 9.00 A | 9.00 A |
| | Operating Current(Heating, A) | 3.20 A | 4.60 A | 8.50 A | 8.50 A |
| | Net Dimension (Indoor, WxHxD) | 790×275×200 mm | 790×275×200 mm | 970×300×224 mm | 1078×325×246 mm |
| | Net Dimension (Outdoor, WxHxD) | 782×540×320 mm | 848×596×320 mm | 899×596×378 mm | 912×646×373 mm |
| | Net Weight (Indoor, kg) | 9.0 kg | 9.0 kg | 14.0 kg | 17.0 kg |
| | Net Weight (Outdoor, kg) | 27.0 kg | 31.0 kg | 40.0 kg | 44.0 kg |
| Technical Information | Piping Length (Max, m) | 15 m | 20 m | 20 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 | 2.00 l/hr | 2.00 l/hr |
| | Air Circulation (Cooling, °C/min) | 560 °C/min | 560 °C/min | 800 °C/min | 1200 °C/min |
| | Refrigerant (Type) | R410A | R410A | R410A | R410A |
| | Low Ambient (Cooling, °C) | 18~43 °C | -15~43 °C | 18~43 °C | 18~48 °C |
| | Low Ambient (Heating, °C) | -7~24 °C | -15~24 °C | -7~24 °C | -7~24 °C |
| Air Flow | 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 |

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) Heating capacities are based on: - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

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