



## Introducing the new **Samsung AR 5500 range**

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



- A powerful new range of Inverter Samsung airconditioners for room sizes up to 45m<sup>2</sup>
- Samsung's 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)
- Suitable for room sizes from 15m<sup>2</sup> up to 45m<sup>2</sup>

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# Samsung AR 5500 range (Inverter)

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

This new Digital Inverter Samsung AR 5500 range saves money by constantly maintaining pre-set temperature without switching on and off. Cooling capacities are from 2.50 kW up to 6.45 kW, heating from 3.20 kW up to 6.45 kW. EERs (Cooling W/W) are from 3.21 up to 3.45 and COPs (Heating W/W) up to 3.56. Piping lengths (indoor/outdoor) are 15 to 30 metres, with a height difference up to 15 metres. Anti-corrosion fins on outdoor units have been proven to have passed the rigorous 480-hour Salt Spray Test. All AR 5500 models are also covered by Fourways 5-year Warranty on parts, and are backed by 9 branches nationwide.



## SPECIFICATIONS

Model Code		AR09TSHZAWK/FA	AR12TSHZAWK/FA	AR18TSHZAWK/FA	AR24TSHZAWK/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	20473 Btu/hr	22008 Btu/hr	
	Capacity (Cooling, Min - Max, Btu/hr)	2,388 ~ 11,260 Btu/hr	2,320 ~ 14,331 Btu/hr	5,459 ~ 22,179 Btu/hr	4,777 ~ 26,956 Btu/hr	
	Capacity (Heating, Min - Max, Btu/hr)	1,911 ~ 11,260 Btu/hr	1,638 ~ 14,331 Btu/hr	4,095 ~ 24,567 Btu/hr	4,095 ~ 30,368 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	6.00 kW	6.45 kW	
	Capacity (Cooling, Min - Max, kW)	0.7 ~ 3.3 kW	0.68 ~ 4.2 kW	1.6 ~ 6.5 kW	1.4 ~ 7.9 kW	
	Capacity (Heating, Min - Max, kW)	0.56 ~ 3.3 kW	0.48 ~ 4.2 kW	1.2 ~ 7.2 kW	1.2 ~ 8.9 kW	
Energy Efficiency	EER (Cooling, W/W)	3.21 W/W	3.22 W/W	3.45 W/W	3.23 W/W	
	COP (Heating, W/W)	3.56 W/W	3.41 W/W	3.43 W/W	3.41 W/W	
	EER (Cooling, Btu/hW)	10.94 Btu/hW	10.99 Btu/hW	11.77 Btu/hW	11.00 Btu/hW	
	COP (Heating, Btu/hW)	12.13 Btu/hW	11.70 Btu/hW	11.60 Btu/hW	11.60 Btu/hW	
	Energy Efficiency Class for cooling (Grade)	A / A+	A / A+	A+ / A+	A / A+	
Noise Level	Noise Level (Indoor, High/Low, dBA)	38 / 21 dBA	39 / 22 dBA	41 / 28 dBA	44 / 28 dBA	
	Noise Level (Outdoor, High/Low, dBA)	49 dBA	49 dBA	51 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)	780 W	1025 W	1450 W	2000 W	
	Power Consumption(Heating, W)	900 W	1115 W	1750 W	1890 W	
	Operating Current(Cooling, A)	3.9 A	5.0 A	6.6 A	9.2 A	
	Operating Current(Heating, A)	4.3 A	5.2 A	7.9 A	8.5 A	
	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	880*638*310 mm	880*638*310 mm	
	Net Weight (Indoor, kg)	9.2 kg	9.2 kg	11.5 kg	11.5 kg	
	Net Weight (Outdoor, kg)	22.2 kg	27.1 kg	42.7 kg	42.6 kg	
	Technical Information	Piping Length (Max, m)	15 m	15 m	30 m	30 m
Piping Height (Max, m)		7 m	7 m	15 m	15 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)		1.0 l/hr	1.5 l/hr	2.0 l/hr	2.5 l/hr	
Air Circulation (Cooling, °C/min)		10.5 °C/min	10.9 °C/min	16.5 □/min	17.2 □/min	
Refrigerant (Type)		R410A	R410A	R410A	R410A	
Refrigerant (Charging, kg)		0.83 kg	0.97 kg	1.30 kg	1.40 kg	
Low Ambient (Cooling, °C)		16~46 °C	16~46 °C	-10~46 °C	-10~46 °C	
Low Ambient (Heating, °C)		-10~24 °C	-10~24 °C	-15~24 °C	-15~24 °C	
Outdoor Unit (Compressor Type)		BLDC	BLDC	BLDC	BLDC	
Outdoor Unit (Anti-Corrosion Fin)		Yes	Yes	Yes	Yes	
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)	5/4	5/4	5/4	5/4	
	Easy Filter Plus (Anti-Bacteria)	Yes	Yes	Yes	Yes	
	Auto Clean (Self Cleaning)	Yes	Yes	Yes	Yes	
	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	
	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	
	Eco Mode	Yes	Yes	Yes	Yes	
	Dehumidification	Yes	Yes	Yes	Yes	
	Fan Mode	Yes	Yes	Yes	Yes	
	Quiet	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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