



## Introducing the new **Samsung AR 3000 range**

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

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



# **SAMSUNG**

# Samsung AR 3000 range

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This new Samsung AR 3000 range offers cooling capacities from 2.50 kW up to 6.40 kW, heating from 2.6 kW up to 6.35 kW. EERs (Cooling W/W) are from 3.01 up to 3.21 and COPs (Heating W/W) up to 3.72. 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 3000 models are also covered by Fourways 5-year Warranty on parts, and are backed by 9 branches nationwide.



## SPECIFICATIONS

Model Code		AR09TQHGAWK/FA	AR12TQHGAWK/FA	AR18TQHGAWK/FA	AR24TQHGAWK/FA
Capacity	Capacity (Cooling, Btu/hr)	8530 Btu/hr	10697 Btu/hr	16719 Btu/hr	21838 Btu/hr
	Capacity (Heating, Btu/hr)	8872 Btu/hr	11004 Btu/hr	17402 Btu/hr	21838 Btu/hr
	Capacity (Cooling, kW)	2.50 kW	3.14 kW	4.90 kW	6.40 kW
	Capacity (Heating, kW)	2.60 kW	3.23 kW	5.10 kW	6.35 kW
Energy Efficiency	EER (Cooling, W/W)	3.01 W/W	3.10 W/W	3.10 W/W	3.21 W/W
	COP (Heating, W/W)	3.45 W/W	3.72 W/W	3.45 W/W	3.50 W/W
	EER (Cooling, Btu/hW)	10.28 Btu/hW	10.58 Btu/hW	10.58 Btu/hW	10.96 Btu/hW
	COP (Heating, Btu/hW)	11.78 Btu/hW	12.69 Btu/hW	11.77 Btu/hW	11.94 Btu/hW
Noise Level	Noise Level (Indoor, High/Low, dBA)	36/24.5 dBA	39/29 dBA	42/33.5 dBA	45.5/35 dBA
	Noise Level (Outdoor, High/Low, dBA)	50 dBA	50 dBA	54 dBA	51 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	1011 W	1580 W	1993 W
	Power Consumption(Heating, W)	753 W	867 W	1478 W	1814 W
	Operating Current(Cooling, A)	3.80 A	4.60 A	7.00 A	9.5 A
	Operating Current(Heating, A)	3.50 A	3.80 A	6.60 A	8.0 A
	Net Dimension (Indoor, WxHxD)	790×275×200 mm	845×289×209 mm	970×300×224 mm	1078×325×246 mm
	Net Dimension (Outdoor, WxHxD, □*□*□)	782×540×320 mm	782×540×320 mm	912×646×373 mm	912×646×373 mm
	Net Weight (Indoor, kg)	9.0 kg	10.5 kg	14.0 kg	17.0 kg
	Net Weight (Outdoor, kg)	29.0 kg	29.0 kg	44.0 kg	50.0 kg
Technical Information	Piping Length (Max, m)	15 m	20 m	25 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	φ12	φ12	φ16
	Moisture Removal (l/hr)	0.80 l/hr	1.20 l/hr	1.80 l/hr	2.00 l/hr
	Air Circulation (Cooling, °C/min)	500 °C/min	650 °C/min	850 °C/min	1150 °C/min
	Refrigerant (Type)	R410A	R410A	R410A	R410A
	Low Ambient (Cooling, °C)	18~43 °C	18~43 °C	18~43 °C	18~43 °C
Low Ambient (Heating, °C)	-7~24 °C	-7~24 °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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