



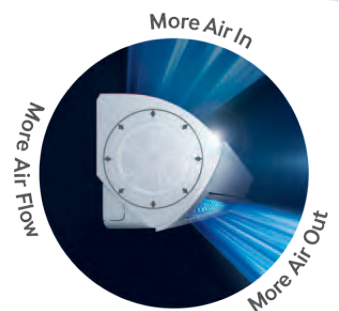
# The Triangle

Ultimate Cooling and Heating Design



## Samsung AR 5001

Wider inlet for greater air intake; improved wider outlet plus bigger fan ensures air is expelled faster and further to reach every corner of your room with no blind spots.



Triangle Design



2-Step Cooling



Digital Inverter

- Inverter technology ensures maximum energy efficiency: EER (Cooling) as low as 3.21 W/W
- R410A gas for eco-friendliness
- Max. piping length up to 30 m
- Two-step cooling provides immediate comfort using the Fast Cool mode then automatically adjusts to Comfort Cool mode to maintain temperature
- Anti-corrosion treatment on the fins and cabinet ensure reliability in harsh environments



fourways   
AIRCONDITIONING

**SAMSUNG**

# Samsung AR5001 - Specifications



Model Code		AR09FSFNWKNFA	AR12FSFNWKNFA	AR18FSFNWKNFA	AR24FSFNWKNFA	
Performance	Air Circulation (Max, m <sup>3</sup> /min)	10 M <sup>3</sup> /min	10.2 M <sup>3</sup> /min	13 M <sup>3</sup> /min	17.5 M <sup>3</sup> /min	
	Capacity (Cooling, Btu/hr)	8530 Btu/hr	11942 Btu/hr	17060 Btu/hr	23202 Btu/hr	
	Capacity (Heating, Btu/hr)	11260 Btu/hr	13648 Btu/hr	20472 Btu/hr	26614 Btu/hr	
	Capacity (Cooling, Min-Max)	3241 - 10918	3241 - 12966	4265 - 20472	7506 - 27296	
	Capacity (Heating, Min-Max)	3241 - 13989	3241 - 16378	3378 - 22178	6483 - 34120	
	Capacity (Heating, kW)	3.3 kW	4 kW	6 kW	8 kW	
	Capacity (Cooling, kW)	2.5 kW	3.5 kW	5 kW	6.8 kW	
	Capacity (Cooling, Kcal/hr)	2150 Kcal/hr	3010 Kcal/hr	4300 Kcal/hr	5847 Kcal/hr	
	Capacity (Heating, Kcal/hr)	2838 Kcal/hr	3440 Kcal/hr	5160 Kcal/hr	6879 Kcal/hr	
	Energy Efficiency	EER (Cooling, Btu/hW)	12.01 Btu/hW	10.96 Btu/hW	11.01 Btu/hW	10.94 Btu/hW
EER (Cooling, W/W)		3.52 W/W	3.21 W/W	3.23 W/W	3.21 W/W	
COP (Heating, W/W)		3.63 W/W	3.6 W/W	3.3 W/W	3.61 W/W	
Moisture Removal (l/hr)		0.6 l/hr	1.0 l/hr	1.8W/W	2.5 W/W	
Noise Level	Outdoor High	53 dBA	54 dBA	57 dBA	60 dBA	
	Indoor High/Low	41/25 dBA	43/25 dBA	46/33 dBA	51/33 dBA	
Electrical Data	Energy Efficiency	Operating Current (Cooling)	3.8 A	5.2 A	7.2 A	10.5 A
		Operating Current (Heating)	4.4 A	6 A	9 A	10.7 A
		Power Consumption (Cooling)	710 W	1090 W	1550 W	2120 W
		Power Consumption (Heating)	910 W	1110 W	1820 W	2160 W
Power Source	Φ/V/Hz	1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz	1, 220-240V / 50 Hz	
Physical Specification	Dimension	Net Dimension (WxHxD, Indoor)	826*275*260 mm	826*275*260 mm	896*260*275 mm	1063*294*317 mm
		Net Dimension (WxHxD, Outdoor)	720*548*265 mm	720*548*265 mm	790*545*285 mm	880*793*310 mm
	Weight	Net Weight (Indoor)	9.5 kg	9.5 kg	10 kg	14.1 kg
		Net Weight (Outdoor)	28 kg	28 kg	40 kg	52.4 kg
		Shipping Weight (Indoor)	11 kg	11 kg	11.5 kg	16.1 kg
Shipping Weight (Outdoor)	30 kg	30 kg	41.5 kg	56.6 kg		
Technical Information	Piping Length	Piping Length (Max)	15 m	15 m	30 m	30 m
	Piping Height	Piping Height (Max)	7 m	7 m	15 m	15 m
	Refrigerant Type		R-410A	R-410A	R-410A	R-410A
	SVC Valve	Liquid (ODxL)	Liquid 6.35 mm x 5m	Liquid 6.35 mm x 5m	Liquid 6.35 mm x 5m	Liquid 6.35 mm x 5m
Gas (ODxL)		Gas 9.52 mm x 5m	Gas 9.52 mm x 5m	Gas 12.7 mm x 5m	Gas 15.88 mm x 5m	
Air Flow	Optimal Single Blade	Yes	Yes	Yes	Yes	
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	
	Air Direction Control (Left/Right)	Manual	Manual	Manual	Manual	
	Air Flow Control Step (Cool/Fan)	4 Steps	4 Steps	4 Steps	4 Steps	
Natural Breeze		•	•	•	•	
Air Purification	Full HD Filter	•	•	•	•	
	Allergy Care	•	•	•	•	
	Anti-Bacteria Coating	•	•	•	•	
	Auto Clean (Self Cleaning)	•	•	•	•	
Convenience	Remote Controller	•	•	•	•	
	Beep On/Off	•	•	•	•	
	24-Hour Timer	•	•	•	•	
	Auto Changeover	•	•	•	•	
Auto Restart	•	•	•	•		
Low Ambient	Cooling	16 - 46 °C	16 - 46 °C	-10 - 46 °C	-10 - 46 °C	
	Heating	-10 - 24 °C	-10 - 24 °C	-15 - 24 °C	-15 - 24 °C	
Operating Mode	2 Step Cooling	•	•	•	•	
	Fast Cool	•	•	•	•	
	Comfort Cool	•	•	•	•	
	Good Sleep	•	•	•	•	
	Single User Mode	•	•	•	•	
	Dehumidification	•	•	•	•	
	Auto Mode	•	•	•	•	
	Fan Mode	•	•	•	•	
Quiet	•	•	•	•		
Outdoor Unit	Compressor Type	BLDC	BLDC	BLDC	BLDC	
	Anti-Corrosion Fin	•	•	•	•	

*Distributed nationwide by Fourways Airconditioning South Africa:*