



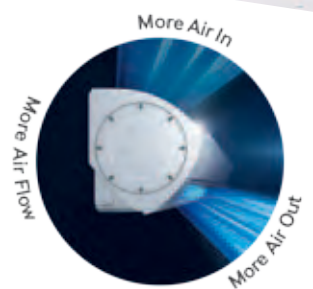
The Triangle

Ultimate Cooling and Heating Design



Samsung AR 5000 - R22 & R410A

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.



- Max. air circulation up to 17.5m³/min
- Max. piping length up to 30 m
- S-Plasma Ion and anti-bacterial coating removes airborne allergens, bacteria and viruses for a healthy environment
- 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



49m



COOL
Solutions

cooling and heating specialists



Samsung AR 5000 - R22 & R410A Specifications

The triangle: ultimate cooling and heating design
Cools faster, farther and wider



Range		AR 5000 R22 Standard Non-Inverter				AR 5000 R410a Non-Inverter Standard R410s Non-Inverter				
Btu		9000 BTU	12 000 BTU	18 000 BTU	24 000 BTU	9000 BTU	12 000 BTU	18 000 BTU	24 000 BTU	
Model Code		AR09FPSSAWKNFA	AR12FPSSAWKNFA	AR18FPSSAWKNFA	AR24FPSSAWKNFA	AR09FQSSAWKNFA	AR12FQSSAWKNFA	AR18FQSSAWKNFA	AR24FQSSAWKNFA	
Performance	Air Circulation (Max, m ³ /min)	7	10	11	16	7	10	11	16	
	Capacity (Heating, kW)	2,93	3,81	5,60	7,00	2,93	3,81	5,80	7,00	
	Capacity (Cooling, kW)	2,64	3,51	5,10	6,80	2,78	3,51	5,20	6,80	
	Energy Efficiency	EER (Cooling, Btu/hW)	8,910	9,59	8,91	9,60	9,49	9,59	9,57	9,60
		EER (Cooling, W/W)	2,610	2,81	2,61	2,81	2,78	2,61	2,81	2,81
		COP (Heating, W/W)	3,210	3,23	2,80	3,21	3,25	3,18	3,21	3,01
	Moisture Removal (l/hr)	0,8	1	1,8	2,4	0,8	1	1,8	2,4	
Noise Level	Outdoor High	55	55	45	48	55	55	45	48	
	Indoor High/Low	40	42	58	61	40	42	58	61	
Electrical Data	Energy Efficiency	Operating Current (Cooling)	4,3	5,8	9,0	11,5	4,6	5,8	8,5	11,0
		Operating Current (Heating)	4,1	5,2	9,0	11,0	4,2	5,2	8,5	11,0
		Power Consumption (Cooling)	1 010	1 250	1 965	2 500	1 000	1 350	1 880	2 500
		Power Consumption (Heating)	913	1 180	1 980	2 240	900	1 200	1 825	2 335
	Power Source	ΦV/Hz	1Φ/220-240V/50Hz	1Φ/220-240V/50Hz	1Φ/220-240V/50Hz	1Φ/220-240V/50Hz	1Φ/220-240V/50Hz	1Φ/220-240V/50Hz	1Φ/220-240V/50Hz	1Φ/220-240V/50Hz
Physical Specification	Dimension	Net Dimension WxHxD, (Indoor)	750x250x242	826x275x260	896x275x260	1063x317x294	750x250x242	826x275x260	896x275x260	1063x317x294
		Net Dimension WxHxD, (Outdoor)	660x242x475	720x265x548	790x285x548	880x310x638	660x242x475	720x265x548	790x285x548	880x310x638
	Weight	Net Weight (Indoor)	8,0	10,0	11,0	13,2	8,0	10,0	11,0	13,2
		Net Weight (Outdoor)	23,0	30,0	36,8	50,0	23,0	30,0	36,8	50,0
Technical Information	Piping Length	Piping Length (Max)	15 m	15 m	15m	20m	15 m	15 m	15m	20m
	Piping Height	Piping Height (Max)	7 m	7 m	7m	8m	7 m	7 m	7m	8m
	Refrigerant Type		R22	R22	R22	R22	R410A	R410A	R410A	R410A
	SVC Valve	Liquid (ODxL)	Φ 6.35mm 4m	Φ 6.35mm 4m	Φ 6.35mm 4m	Φ 6.35mm 4m	Φ 6.35mm 4m	Φ 6.35mm 4m	Φ 6.35mm 4m	Φ 6.35mm 4m
Gas (ODxL)		Φ 9.52mm 4m	Φ 12.7mm 4m	Φ 12.7mm 4m	Φ 15.88mm 4m	Φ 9.52mm 4m	Φ 12.7mm 4m	Φ 12.7mm 4m	Φ 15.88mm 4m	
General Features	Air Flow	Wide Twin Blade	No	No	No	No	No	No	No	No
		Optimal Single Blade	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
		Air Direction Control (Left/Right)	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
		Air Flow Control Step (Cool/Fan)	4 Steps	4 Steps	4 Steps	4 Steps	4 Steps	4 Steps	4 Steps	4 Steps
	Natural Breeze	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Air Purification	S-Plasma Ion	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Auto Roof Shutter	No	No	No	No	No	No	No	No
		Full HD Filter	HD 60	HD 60	HD 60	HD 60	HD 60	HD 60	HD 60	HD 60
		Allergy Care	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Anti-Bacteria Coating	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto Clean (Self Cleaning)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Convenience	Smart wifi	No	No	No	No	No	No	No	No	
	Filter Cleaning Indicator	No	No	No	No	No	No	No	No	
	Indoor Temp. Display	No	No	No	No	No	No	No	No	
	Remote Controller	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Display On/Off	No	No	No	No	No	No	No	No	
	Beep On/Off	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	24-Hour Timer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Auto Changeover	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Auto Restart	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Low Ambient	Cooling	15 ~ 43 °C	15 ~ 43 °C	15 - 43 °C	15 - 43 °C	15 ~ 43 °C	15 ~ 43 °C	15 - 43 °C	15 - 43 °C	
	Heating	-5 ~ 24 °C	-5 ~ 24 °C	-5 - 24 °C	-5 - 24 °C	-5 ~ 24 °C	-5 ~ 24 °C	-5 - 24 °C	-5 - 24 °C	
Operating Mode	2 Step Cooling	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Fast Cool	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Comfort Cool	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Dlight Cool	No	No	No	No	No	No	No	No	
	Good Sleep	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Single User Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Dehumidification	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Auto Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Fan Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Quiet	No	No	No	No	No	No	No	No		
Outdoor Unit	Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	
	Anti-Corrosion Fin	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	