



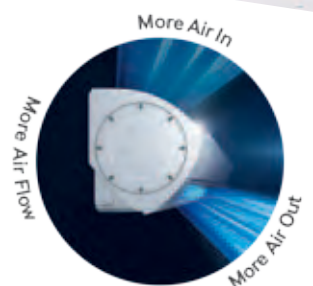
The Triangle

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



fourways
AIRCONDITIONING

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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		
Air Flow	Wide Twin Blade	Optimal Single Blade	No	No	No	No	No	No	No	No	
		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	
		S-Plasma Ion	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Air Purification	Auto Roof Shutter	Full HD Filter	HD 60	HD 60	HD 60	HD 60	HD 60	HD 60	HD 60		
		Allergy Care	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Anti-Bacteria Coating	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Auto Clean (Self Cleaning)	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Smart wifi	No	No	No	No	No	No	No	No	
		Filter Cleaning Indicator	No	No	No	No	No	No	No	No	
Convenience	Indoor Temp. Display	Remote Controller	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Display On/Off	No	No	No	No	No	No	No		
		Beep On/Off	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		24-Hour Timer	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Auto Changeover	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Auto Restart	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	Fast Cool	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Comfort Cool	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Dlight Cool	No	No	No	No	No	No	No		
		Good Sleep	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Single User Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Dehumidification	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Auto Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Fan Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
		Quiet	No	No	No	No	No	No	No		
		Outdoor Unit	Compressor Type	Anti-Corrosion Fin	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rotary	Rotary			Rotary	Rotary	Rotary	Rotary	Rotary	Rotary		



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