



NEW Samsung AR5500 Digital Inverter Range

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

- Digital Inverter 8-Pole compressor for Fast Cooling (18.5% faster than normal cooling mode)
- Coils have Samsung's DuraFin™ coating for even greater durability
- Sleek finish harmonises with any décor
- Grade A Cooling Energy Efficiency Class
- Allergy-care and anti-bacterial full-HD filter
- Good Sleep mode
- Backed nationwide by Fourways Airconditioning



fourways 
AIRCONDITIONING

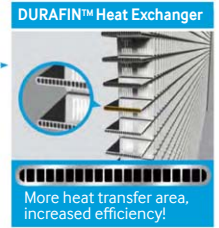
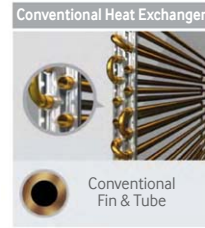
SAMSUNG

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Durafin™

DURAFIN™ passes the Sea Water Acetic Acid Test (SWAAT) over 90 days. Samsung DURAFIN™ protects itself from rusting. And its unique shape provides more space for heat transfer, resulting in better efficiency.



SPECIFICATIONS

Model Code - Indoor		AR09MSFHGWKNFA	AR12MSFHGWKNFA	AR18MSFHGWKNFA	AR24MSFHGWKNFA
Model Code - Outdoor		AR09MSFHGWKXFA	AR12MSFHGWKXFA	AR18MSFHGWKXFA	AR24MSFHGWKXFA
Capacity	Capacity (Cooling, Btu/hr)	8530 Btu/hr	11260 Btu/hr	17061 Btu/hr	21155 Btu/hr
	Capacity (Heating, Btu/hr)	10919 Btu/hr	12966 Btu/hr	20473 Btu/hr	22179 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	3753 - 11260 Btu/hr	3753 - 13649 Btu/hr	3412 - 20473 Btu/hr	3412 - 27297 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	3583 - 13649 Btu/hr	3412 - 16378 Btu/hr	3412 - 24567 Btu/hr	3412 - 25250 Btu/hr
	Capacity (Cooling, kW)	2.50 kW	3.30 kW	5.00 kW	6.20 kW
	Capacity (Heating, kW)	3.20 kW	3.80 kW	6.00 kW	6.50 kW
	Capacity (Cooling, Min - Max, kW)	1.1 - 3.3 kW	1.1 - 4 kW	1 - 6 kW	1 - 8 kW
	Capacity (Heating, Min - Max, kW)	1.05 - 4 kW	1 - 4.8 kW	1 - 7.2 kW	1 - 7.4 kW
Energy Efficiency	EER (Cooling, W/W)	3.21 W/W	3.22 W/W	3.21 W/W	3.01 W/W
	COP (Heating, W/W)	3.56 W/W	3.41 W/W	3.41 W/W	3.42 W/W
	EER (Cooling, Btu/hW)	10.94 Btu/hW	10.99 Btu/hW	10.94 Btu/hW	10.27 Btu/hW
	COP (Heating, Btu/hW)	12.13 Btu/hW	11.63 Btu/hW	11.63 Btu/hW	11.67 Btu/hW
	EER (Cooling, kJ/hW)	11.54 kJ/hW	11.59 kJ/hW	11.54 kJ/hW	10.83 kJ/hW
	Energy Efficiency Class for cooling (Grade)	A	A	A	B
Noise Level	Noise Level (Indoor, High/Low, dBA)	38/19 dBA	39/21 dBA	42/26 dBA	45/29 dBA
	Noise Level (Outdoor, High/Low, dBA)	49 dBA	49 dBA	52 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)	780.0 W	1025.0 W	1560.0 W	2060.0 W
	Power Consumption(Heating, W)	900.0 W	1115.0 W	1760.0 W	1900.0 W
	Operating Current(Cooling, A)	3.9 A	5.0 A	7.2 A	9.2 A
	Operating Current(Heating, A)	4.3 A	5.2 A	8.0 A	8.8 A
Physical Specification	Gross Dimension (Indoor, WxHxD)	880x280x363 mm	880x280x363 mm	1128x299x378 mm	1128x299x378 mm
	Gross Dimension (Outdoor, WxHxD)	778x550x331 mm	844x622x353 mm	1023x730x413 mm	1023x881x413 mm
	Net Dimension (Indoor, WxHxD)	820x285x227 mm	820x285x227 mm	1065x298x243 mm	1065x298x243 mm
	Net Dimension (Outdoor, WxHxD)	660x475x242 mm	720x548x265 mm	880x638x310 mm	880x793x310 mm
	Gross Weight (Indoor, kg)	9.80 kg	9.80 kg	13.50 kg	13.50 kg
	Gross Weight (Outdoor, kg)	24.20 kg	30.00 kg	44.00 kg	55.00 kg
	Net Weight (Indoor, kg)	8.50 kg	8.50 kg	11.50 kg	11.50 kg
	Net Weight (Outdoor, kg)	22.40 kg	27.50 kg	41.00 kg	51.00 kg
Technical Information	Piping Length (Max, m)	15 m	15 m	20 m	20 m
	Piping Height (Max, m)	7 m	7 m	12 m	12 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, m³/min)	9.6 m³/min	9.6 m³/min	15.1 m³/min	17.7 m³/min
	Refrigerant (Type)	R410A	R410A	R410A	R410A
	Refrigerant (Charging, kg)	0.88 kg	0.83 kg	1.15 kg	1.50 kg
	Low Ambient (Cooling, °C)	16 - 46 °C	16 - 46 °C	16 - 46 °C	16 - 46 °C
	Low Ambient (Heating, °C)	-10 - 24 °C	-10 - 24 °C	-10 - 24 °C	-10 - 24 °C
	Outdoor Unit (Compressor Type)	8-POLE	8-POLE	8-POLE	8-POLE
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes	Yes
Air Flow	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Flow Control Step (Cool/Fan)	5/4	5/4	5/4	5/4
Air Purification	Allergy Care	Yes	Yes	Yes	Yes
	Anti-Bacteria	Yes	Yes	Yes	Yes
	Auto Clean (Self Cleaning)	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	2 Step Cooling	Yes	Yes	Yes	Yes
	Fast Cool	Yes	Yes	Yes	Yes
	Comfort Cool	Yes	Yes	Yes	Yes
	Good Sleep	Yes	Yes	Yes	Yes
	Single User 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.

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