SAMSUNG AR40 Inverter
air conditioner

The new Samsung AR40 delivers energy-efficient cooling with eco-friendly R32 refrigerant and Digital Inverter technology

Helping to lower running costs while ensuring reliable performance. With modes like Auto, Fast Cool, Good Sleep, and Dehumidification, it provides tailored comfort for every situation. An HD Filter improves air quality, and the durable DuraFin™ Plus protects the unit for long-lasting use. Convenient features, such as an indoor temperature display and auto restart, make operation simple and hassle-free.

Product Features:

- R32 Refrigerant
- Indoor Temp Display
- Auto Restart Function
- Auto Mode
- Fast Cool Mode
- Good Sleep Mode
- Dehumidification Mode
- Digital Inverter Technology
- HD Filter
- DuraFin™ Plus

SAMSUNG
Smart Airconditioning Solutions

DIGITAL INVERTER TECHNOLOGY 10 YEAR WARRANT ON THE COMPRESSOR

FIVE YEAR 5 WARRANTY

AR40 Inverter air conditioner

9000, 12000, 18000 & 24000 BTU

AIRCON EXPERTS (PTY) LTD.

Product		AR40	AR40	AR40	AR40
Model Code		AR40F09C0AG/FA	AR40F12C0AG/FA	AR40F18C0AG/FA	AR40F24C0AG/FA
Capacity	Capacity (Cooling, Btu/hr)	8701 Btu/hr	10884 Btu/hr	15999 Btu/hr	23884 Btu/hr
	Capacity (Heating, Btu/hr)	9042 Btu/hr	11225 Btu/hr	16500 Btu/hr	24000 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	2047 - 10236 Btu/hr	2729 - 13648 Btu/hr	2927 - 19448 Btu/hr	7165 - 24550 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	2559 - 11600 Btu/hr	2729 - 15013 Btu/hr	3958 - 18084 Btu/hr	7165 - 27000 Btu/hr
	Capacity (Cooling, kW)	2.55 kW	3.19 kW	4.68 kW	7.00 kW
	Capacity (Heating, kW)	2.65 kW	3.29 kW	4.83 kW	7.03 kW
	Capacity (Cooling, Min - Max, kW)	0.60 - 3.00 kW	0.80 - 4.00 kW	0.80 - 5.70 kW	2.10 - 7.50 kW
	Capacity (Heating, Min - Max, kW)	0.75 - 3.40 kW	0.80 - 4.40 kW	1.16 - 5.30 kW	2.10 - 7.91 kW
Energy Efficiency	EER (Cooling, W/W)	3.21 W/W	3.10 W/W	3.09 W/W	3.21 W/W
	COP (Heating, W/W)	3.75 W/W	3.61 W/W	3.50 W/W	3.18 W/W
	EER (Cooling, Btu/hW)	10.95 Btu/hW	10.57 Btu/hW	10.54 Btu/hW	10.95 Btu/hW
	COP (Heating, Btu/hW)	12.79 Btu/hW	12.31 Btu/hW	11.94 Btu/hW	10.85 Btu/hW
	Energy Efficiency Class for cooling (Grade)	A (Heating : A++)	B (Heating : A++)	B (Heating : A)	A (Heating : A+)
Noise Level	Noise Level (Indoor, High/Low, dBA)	42/29 dBA	44/28 dBA	51/33 dBA	54/33 dBA
	Noise Level (Outdoor, High/Low, dBA)	53 dBA	55 dBA	57 dBA	60 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)	794 W	1029 W	1513 W	2181 W
	Power Consumption(Heating, W)	707 W	911 W	1382 W	2212 W
	Operating Current(Cooling, A)	3.6 A	4.7 A	6.6 A	9.0 A
	Operating Current(Heating, A)	3.4 A	4.3 A	6.0 A	9.0 A
Physical specification	Gross Dimension (Indoor, WxHxD, mm*mm*mm)	844×328×277 mm	911×343×290 mm	1016×409×340 mm	1016×409×340 mm
	Gross Dimension (Outdoor, WxHxD, mm*mm*mm)	794×615×376 mm	794×615×376 mm	794×615×376 mm	1032×737×456 mm
	Net Dimension (Indoor, WxHxD, mm*mm*mm)	783×260×185 mm	835×275×200 mm	943×333×246 mm	943×333×246 mm
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	732×555×330 mm	732×555×330 mm	732×555×330 mm	958×660×402 mm
	Gross Weight (Indoor, kg)	9.5 kg	11.0 kg	16.0 kg	16.1 kg
	Gross Weight (Outdoor, kg)	26.8 kg	28.0 kg	29.5 kg	46.2 kg
	Net Weight (Indoor, kg)	7.7 kg	9.0 kg	13.0 kg	13.0 kg
	Net Weight (Outdoor, kg)	24.4 kg	25.5 kg	27.0 kg	42.5 kg
	Loading Quantity (20/40/40Hft without Pipe)	108/222/260	90/212/252	84/176/207	58/118/138
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) Inches	1/4	1/4	1/4	1/4
	SVC Valve (Gas) Inches	3/8	3/8	1/2	1/2
	Moisture Removal (l/hr)	0.76 l/hr	0.76 l/hr	1.80 l/hr	2.00 l/hr
	Air Circulation (Cooling, m^3 / min)	8.33 m^3 / min	10.33 m^3 / min	16.33 m^3 / min	18.33 m^3 / min
	Refrigerant (Type)	R32	R32	R32	R32
	Refrigerant (Charging, kg)	0.50 kg	0.59 kg	0.77 kg	1.10 kg
	Operating Temperature (Cooling °C)	18~48 °C	18~48 °C	18~48 °C	18~48 °C
	Operating Temperature (Heating °C)	-7~24 °C	-7~24 °C	-7~24 °C	-7~24 °C
	Outdoor Unit (Compressor Type)	Rotary	Rotary	Rotary	Rotary
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes	Yes
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

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