



SAMSUNG AR70 Inverter air conditioner

**The new Samsung AR70
delivers fast cooling and
draft-free comfort
with AI WindFree™ technology.**

AI Auto Cooling adapts to room conditions for optimal performance, while the 4-in-1 Care Filter keeps air clean and fresh. With Freeze Wash cleaning, Dry Comfort dehumidification, and AI Inverter efficiency, it delivers powerful, quiet, energy-saving performance. Sleek design, eco-friendly R32 refrigerant, and SmartThings connectivity make it the smart choice for any home.



Product Features:

- Fast & Comfort AI WindFree™
- 4-in-1 Care Filter
- SmartThings
- AI Auto Cooling
- Good Sleep
- Dry Comfort
- R32 Refrigerant
- Outdoor Unit - Twin Compressor with High Efficiency Fan
- AI Inverter & AI Energy Efficiency
- New Slim Outdoor Design
- Freeze Wash
- AI Diagnosis

SAMSUNG

Smart Airconditioning Solutions



AR70 Inverter air conditioner

9000, 12000, 18000 & 24000 BTU

Product		AR70	AR70	AR70	AR70	
Model Code		AR70F09C1FW/FA	AR70F12C1FW/FA	AR70F18C1FW/FA	AR70F24C1FW/FA	
Capacity	Capacity (Cooling, Btu/hr)	8530 Btu/hr	11942 Btu/hr	17061 Btu/hr	22179 Btu/hr	
	Capacity (Heating, Btu/hr)	10919 Btu/hr	12966 Btu/hr	20473 Btu/hr	23544 Btu/hr	
	Capacity (Cooling, Min - Max, Btu/hr)	3071 - 11431 Btu/hr	3583 - 13649 Btu/hr	5118 - 23203 Btu/hr	4913 - 26956 Btu/hr	
	Capacity (Heating, Min - Max, Btu/hr)	2730 - 15355 Btu/hr	2218 - 17061 Btu/hr	3992 - 25591 Btu/hr	4504 - 30368 Btu/hr	
	Capacity (Cooling, kW)	2.50 kW	3.50 kW	5.00 kW	6.50 kW	
	Capacity (Heating, kW)	3.20 kW	3.80 kW	6.00 kW	6.90 kW	
	Capacity (Cooling, Min - Max, kW)	0.9 - 3.35 kW	1.05 - 4 kW	1.5 - 6.8 kW	1.44 - 7.9 kW	
	Capacity (Heating, Min - Max, kW)	0.8 - 4.5 kW	0.65 - 5 kW	1.17 - 7.5 kW	1.32 - 8.9 kW	
Energy Efficiency	EER (Cooling, W/W)	3.25 W/W	3.21 W/W	3.41 W/W	3.32 W/W	
	COP (Heating, W/W)	3.76 W/W	3.41 W/W	3.43 W/W	3.45 W/W	
	EER (Cooling, Btu/hW)	11.08 Btu/hW	10.96 Btu/hW	11.65 Btu/hW	11.32 Btu/hW	
	COP (Heating, Btu/hW)	12.85 Btu/hW	11.63 Btu/hW	11.70 Btu/hW	11.77 Btu/hW	
	Energy Efficiency Class for cooling (Grade)	C : A, H : A++	C : A, H : A+	C : A+, H : A+	C : A, H : A+	
Noise Level	Noise Level (Indoor, High/Low, dBA)	38/21 dBA	38/22 dBA	43/25 dBA	44/28 dBA	
	Noise Level (Outdoor, High/Low, dBA)	45 dBA	46 dBA	51 dBA	54 dBA	
Noise Level	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)	770 W	1090 W	1465 W	1960 W	
	Power Consumption(Heating, W)	850 W	1115 W	1750 W	2000 W	
	Operating Current(Cooling, A)	3.4 A	5:00 AM	6.5 A	8.8 A	
	Operating Current(Heating, A)	3.8 A	5:00 AM	7.8 A	8.8 A	
Electrical Data	Gross Dimension (Indoor, WxHxD, mm*mm*mm)	880*290*375 mm	880*290*375 mm	1115*290*375 mm	1115*290*375 mm	
	Gross Dimension (Outdoor, WxHxD, mm*mm*mm)	834*620*323 mm	834*620*323 mm	913*622*371 mm	1023*724*413 mm	
	Net Dimension (Indoor, WxHxD, mm*mm*mm)	820*299*215 mm	820*299*215 mm	1055*299*215 mm	1055*299*215 mm	
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	710*540*220 mm	710*540*220 mm	790*548*285 mm	880*638*310 mm	
	Gross Weight (Indoor, kg)	10.1 kg	10.1 kg	13.2 kg	13.2 kg	
	Gross Weight (Outdoor, kg)	24.5 kg	26.3 kg	31.5 kg	41.1 kg	
	Net Weight (Indoor, kg)	8.7 kg	8.7 kg	11.5 kg	11.5 kg	
	Net Weight (Outdoor, kg)	22.5 kg	24.5 kg	29.7 kg	38.6 kg	
	Loading Quantity (20/40/40Hft without Pipe)	105 / 212 / 252	105 / 212 / 252	80 / 168 / 198	65 / 138 / 154	
	Piping Length (Max, m)	15 m	15 m	30 m	30 m	
Physical specification	Piping Height (Max, m)	8 m	8 m	15 m	15 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)	0.93 l/hr	1.39 l/hr	1.93 l/hr	2.30 l/hr	
	Air Circulation (Cooling, m/min)	9.80 m/min	10.30 m/min	16.60 m/min	15.90 m/min	
	Refrigerant (Type)	R32	R32	R32	R32	
	Refrigerant (Charging, kg)	0.53 kg	0.7 kg	0.97 kg	1.15 kg	
	Refrigerant (Charging, tCO2e)	0.36 tCO2e	0.47 tCO2e	0.65 tCO2e	0.78 tCO2e	
	Low Ambient (Cooling, °C)	-10~46 °C	-10~46 °C	-10~46 °C	-10~46 °C	
	Low Ambient (Heating, °C)	-15~24 °C	-15~24 °C	-15~24 °C	-15~24 °C	
	Outdoor Unit (Compressor Type)	BLDC	BLDC	BLDC	BLDC	
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes	Yes	
	Air Flow	WindFree Cooling	Yes	Yes	Yes	Yes
		Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto	
Air Flow Control Step (Cool/Fan)		5/4	5/4	5/4	5/4	
Air Purification	PM 1.0 Filter	No	No	No	No	
	4-in-1 Care Filter	Yes	Yes	Yes	Yes	
	Copper Anti-bacterial Filter	Yes	Yes	Yes	Yes	
Convenience	Auto Clean (Self Cleaning)	Yes	Yes	Yes	Yes	
	SmartThings	Yes	Yes	Yes	Yes	
	AI Auto Cooling	Yes	Yes	Yes	Yes	
	Motion Detect Sensor	No	No	No	No	
	Freeze Wash	Yes	Yes	Yes	Yes	
	Filter Cleaning Indicator	Yes	Yes	Yes	Yes	
	Indoor Temp. Display	Yes	Yes	Yes	Yes	
	Display On/Off	Yes	Yes	Yes	Yes	
	Beep On/Off	Yes	Yes	Yes	Yes	
	24-Hour Timer	Yes	Yes	Yes	Yes	
Operating Mode	Auto Changeover	Yes	Yes	Yes	Yes	
	Auto Restart	Yes	Yes	Yes	Yes	
	Auto Mode	Yes	Yes	Yes	Yes	
	Fast Cool	Yes	Yes	Yes	Yes	
	Dry Comfort	Yes	Yes	Yes	Yes	
	Good Sleep	Yes	Yes	Yes	Yes	
	Eco Mode	Yes	Yes	Yes	Yes	
	Dehumidification	Yes	Yes	Yes	Yes	
	Fan Mode	Yes	Yes	Yes	Yes	
	Quiet	Yes	Yes	Yes	Yes	
Smart	WiFi Embedded	Yes	Yes	Yes	Yes	
App Connectivity	SmartThings App Support	Yes	Yes	Yes	Yes	