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

SOLARFORCE AIRCONS
KEEPING IT JUST RIGHT

DIGITAL INVERTER TECHNOLOGY
10 YEAR WARRANTY

FIVE YEAR
5
WARRANTY

AR70 Inverter air conditioner

9000, 12000, 18000 & 24000 BTU

Product		AR70	AR70	AR70	AR70
Model Code		AR70F09C1FW/FA	AR 70F 12C1FW/FA	AR 70F 18C1FW/FA	AR70F24C1FW/FA
Capacity		8530 Btu/hr	11942 Btu/hr	17061 Btu/hr	22179 Btu/hr
	Capacity (Cooling, Btu/hr)	10919 Btu/hr	12966 Btu/hr	20473 Btu/hr	23544 Btu/hr
	Capacity (Heating, Btu/hr)	3071 - 11431 Btu/hr	3583 - 13649 Btu/hr	5118 - 23203 Btu/hr	4913 - 26956 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	2730 - 15355 Btu/hr	2218 - 17061 Btu/hr	3992 - 25591 Btu/hr	4504 - 30368 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	2.50 kW	3.50 kW	5.00 kW	6.50 kW
	Capacity (Cooling, kW)	3.20 kW	3.80 kW	6.00 kW	6.90 kW
	Capacity (Heating, kW)	0.9 - 3.35 kW	1.05 - 4 kW	1.5 - 6.8 kW	1.44 - 7.9 kW
	Capacity (Cooling, Min - Max, kW)	0.8 - 4.5 kW	0.65 - 5 kW	1.17 - 7.5 kW	1.32 - 8.9 kW
	Capacity (Heating, Min - Max, kW)	3.25 W/W	3.21 W/W	3.41 W/W	3.32 W/W
	EER (Cooling, W/W)	3.76 W/W	3.41 W/W	3.43 W/W	3.45 W/W
Energy Efficiency	COP (Heating, W/W)	11.08 Btu/hW	10.96 Btu/hW	11.65 Btu/hW	11.32 Btu/hW
	EER (Cooling, Btu/hW)	12.85 Btu/hW	11.63 Btu/hW	11.70 Btu/hW	11.77 Btu/hW
	COP (Heating, Btu/hW)	C : A, H : A++	C : A, H : A+	C : A+, H : A+	C : A, H : A+
	Energy Efficiency Class for cooling (Grade)	38/21 dBA	38/22 dBA	43/25 dBA	44/28 dBA
	Noise Level (Indoor, High/Low, dBA)	45 dBA	46 dBA	51 dBA	54 dBA
Noise Level	Noise Level (Outdoor, High/Low, dBA)	1 / 220~240~ / 50	1 / 220~240~ / 50	1 / 220~240~ / 50	1 / 220~240~ / 50
	Power Source(Φ/V/Hz)	770 W	1090 W	1465 W	1960 W
Noise Level	Power Consumption(Cooling, W)	850 W	1115 W	1750 W	2000 W
	Power Consumption(Heating, W)	3.4 A	5:00 AM	6.5 A	8.8 A
	Operating Current(Cooling, A)	3.8 A	5:00 AM	7.8 A	8.8 A
	Operating Current(Heating, A)	880*290*375 mm	880*290*375 mm	1115*290*375 mm	1115*290*375 mm
	Gross Dimension (Indoor, WxHxD, mm*mm*mm)	834*620*323 mm	834*620*323 mm	913*622*371 mm	1023*724*413 mm
	Gross Dimension (Outdoor, WxHxD, mm*mm*mm)	820*299*215 mm	820*299*215 mm	1055*299*215 mm	1055*299*215 mm
Electrical Data	Net Dimension (Indoor, WxHxD, mm*mm*mm)	710*540*220 mm	710*540*220 mm	790*548*285 mm	880*638*310 mm
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	10.1 kg	10.1 kg	13.2 kg	13.2 kg
	Gross Weight (Indoor, kg)	24.5 kg	26.3 kg	31.5 kg	41.1 kg
	Gross Weight (Outdoor, kg)	8.7 kg	8.7 kg	11.5 kg	11.5 kg
	Net Weight (Indoor, kg)	22.5 kg	24.5 kg	29.7 kg	38.6 kg
	Net Weight (Outdoor, kg)	105 / 212 / 252	105 / 212 / 252	80 / 168 / 198	65 / 138 / 154
	Loading Quantity (20/40/40Hft without Pipe)	15 m	15 m	30 m	30 m
	Piping Length (Max, m)	8 m	8 m	15 m	15 m
	Piping Height (Max, m)	6.35	6.35	6.35	6.35
	SVC Valve (Liquid (ODxL))	9.52	9.52	12.7	15.88
Physical specification	SVC Valve (Gas (ODxL))	0.93 l/hr	1.39 l/hr	1.93 l/hr	2.30 l/hr
	Moisture Removal (l/hr)	9.80 m/min	10.30 m/min	16.60 m/min	15.90 m/min
	Air Circulation (Cooling, m/min)	R32	R32	R32	R32
	Refrigerant (Type)	0.53 kg	0.7 kg	0.97 kg	1.15 kg
	Refrigerant (Charging, kg)	0.36 tCO2e	0.47 tCO2e	0.65 tCO2e	0.78 tCO2e
	Refrigerant (Charging, tCO2e)	-10~46 ℃	-10~46 ℃	-10~46 ℃	-10~46 ℃
	Low Ambient (Cooling, ℃)	-15~24 ℃	-15~24 ℃	-15~24 ℃	-15~24 ℃
	Low Ambient (Heating, ℃)	BLDC	BLDC	BLDC	BLDC
	Outdoor Unit (Compressor Type)	Yes	Yes	Yes	Yes
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes	Yes
	WindFree Cooling	Auto	Auto	Auto	Auto
	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	5/4	5/4	5/4	5/4
	Air Flow Control Step (Cool/Fan)	No	No	No	No
Air Flow	PM 1.0 Filter	Yes	Yes	Yes	Yes
	4-in-1 Care Filter	Yes	Yes	Yes	Yes
	Copper Anti-bacterial Filter	Yes	Yes	Yes	Yes
	Auto Clean (Self Cleaning)	Yes	Yes	Yes	Yes
Air Purification	SmartThings	Yes	Yes	Yes	Yes
	AI Auto Cooling	No	No	No	No
	Motion Detect Sensor	Yes	Yes	Yes	Yes
	Freeze Wash	Yes	Yes	Yes	Yes
	Filter Cleaning Indicator	Yes	Yes	Yes	Yes
Convenience	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
	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
Operating Mode	Fan Mode	Yes	Yes	Yes	Yes
	Quiet	Yes	Yes	Yes	Yes
	WiFi Embedded	Yes	Yes	Yes	Yes
	SmartThings App Support	Yes	Yes	Yes	Yes
Smart					
App Connectivity					