fourways | SAMSUNG
Smart Airconditioning Solutions



Samsung AR70H Bespoke AI Wind-Free™ Pro Mid-Wall Split

AI Motion Wind & Radar Sensor
7 Motions with radar sensing for automatic comfort, based on occupancy and activity.

AI Fast & Comfort Cooling
Learns your usage and room conditions to automatically maintain ideal comfort.

PM2.5 (4-in-1) Care Filter
Helps capture fine dust, bacteria, viruses and allergens for cleaner air.

Copper Anti-Bacterial Filter
Helps reduce bacteria captured by the filter.

Freeze Wash
Quickly freezes and defrosts to remove dirt and contaminants from inside the unit.

SmartThings Control & Wi-Fi
Connect via built-in Wi-Fi to quick control, monitor, voice control, update and analyse performance from anywhere.

Dry Comfort
Helps reduce humidity while maintaining a comfortable temperature.

Good Sleep & WindFree Wearable
Connects to wearable devices to automatically optimise aircon settings for comfortable sleep.

AI Windfree Energy Saving Inverter
Automatically adjusts settings to reduce energy use while maintaining all-season comfort.

R32 Refrigerant
Supports efficient cooling with a lower environmental impact.

Triple Protector Plus
Protects against power fluctuations, while anti-corrosion coating safeguards the condenser and cabinet.

WindFree Low Noise
Windfree technology gently disperses air through thousands of micro air holes resulting in less air friction and noise.

FIVE YEAR 5 WARRANTY

DIGITAL INVERTER TECHNOLOGY 10 YEAR WARRANTY ON THE COMPRESSOR

Product Specification Details



Model Code		AR70H09CAFW/FA	AR70H12CAFW/FA	AR70H18CAFW/FA	AR70H24CAFW/FA
Capacity	Rated Cooling Capacity (BTU/h)	8530 BTU/h	11942 BTU/h	17061 BTU/h	22179 BTU/h
	Rated Heating Capacity (BTU/h)	10919 BTU/h	12966 BTU/h	20473 BTU/h	23544 BTU/h
	Variable Cooling Capacity (Min - Max) (BTU/h)	3071 - 11431 BTU/h	3583 - 13649 BTU/h	3003 - 23203 BTU/h	4913 - 26956 BTU/h
	Variable Heating Capacity (Min - Max) (BTU/h)	2730 - 15355 BTU/h	2218 - 17061 BTU/h	1501 - 25591 BTU/h	4504 - 30368 BTU/h
	Rated Cooling Capacity (kW)	2.50 kW	3.50 kW	5.00 kW	6.50 kW
	Rated Heating Capacity (kW)	3.20 kW	3.80 kW	6.00 kW	6.90 kW
	Variable Cooling Capacity (Min - Max) (kW)	0.99 - 3.35 kW	1.05 - 4.00 kW	0.88 - 6.80 kW	1.44 - 7.90 kW
	Variable Heating Capacity (Min - Max) (kW)	0.80 - 4.50 kW	0.65 - 5.00 kW	0.44 - 7.50 kW	1.32 - 8.90 kW
Energy Efficiency	EER (Cooling)(W/W)	3.38 W/W	3.21 W/W	3.57 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
	Energy Efficiency Class (Cooling)(Grade)	A	A	A+	A
	Energy Efficiency Class (Heating)(Grade)	A++	A+	A+	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
Electrical Data	Power Source(Φ/V/Hz)	Ph 1 / AC 220 ~ 240~ V / 50 Hz	Ph 1 / AC 220 ~ 240~ V / 50 Hz	Ph 1 / AC 220 ~ 240~ V / 50 Hz	Ph 1 / AC 220 ~ 240~ V / 50 Hz
	Power Consumption (Cooling)(W)	740 W	1090 W	1400 W	1960 W
	Power Consumption (Heating)(W)	850 W	1115 W	1750 W	2000 W
	Operating Current (Cooling)(A)	3.3 A	5 A	6.5 A	8.8 A
	Operating Current (Heating)(A)	3.8 A	5 A	7.7 A	8.8 A
Physical Specification	Gross Dimension (Indoor, WxHxD, mm*mm*mm)	880 x 375 x 320 mm	880 x 375 x 320 mm	1115 x 375 x 320 mm	1115 x 375 x 320 mm
	Gross Dimension (Outdoor, WxHxD, mm*mm*mm)	834 x 620 x 323 mm	834 x 620 x 323 mm	913 x 622 x 371 mm	1023 x 724 x 413 mm
	Net Dimension (Indoor, WxHxD, mm*mm*mm)	820 x 299 x 230 mm	820 x 299 x 230 mm	1055 x 299 x 230 mm	1055 x 299 x 230 mm
	Net Dimension (Outdoor, WxHxD, mm*mm*mm)	710 x 540 x 220 mm	710 x 540 x 220 mm	790 x 548 x 285 mm	880 x 638 x 310 mm
	Gross Weight (Indoor Unit)(kg)	11.1 kg	11.1 kg	14.3 kg	14.3 kg
	Gross Weight (Outdoor Unit)(kg)	24.2 kg	26 kg	33 kg	41 kg
	Net Weight (Indoor Unit)(kg)	9.6 kg	9.6 kg	12.4 kg	12.4 kg
	Net Weight (Outdoor Unit)(kg)	22.3 kg	24 kg	30.7 kg	38 kg
	Loading Quantity (20/40/40H, without Pipe)(EA)	99 / 210 / 242 EA	99 / 210 / 242 EA	79 / 168 / 192 EA	59 / 130 / 148 EA

Model Code		AR70H09CAFW/FA	AR70H12CAFW/FA	AR70H18CAFW/FA	AR70H24CAFW/FA
Technical Information	Piping Length (Max)(m)	15 m	15 m	30 m	30 m
	Piping Height (Max)(m)	8 m	8 m	15 m	15 m
	SVC Valve (Liquid, ODxL)(inches)	1/4	1/4	1/4	1/4
	SVC Valve (Gas, ODxL)(inches)	3/8	3/8	1/2	5/8
	Moisture Removal (L/h)	0.9 l/hr	1.4 l/hr	1.9 l/hr	2.3 l/hr
	Air Circulation (Cooling)(m³/min)	9.6 m³/min	10.1 m³/min	17.0 m³/min	16.3 m³/min
	Refrigerant (Type)	R32	R32	R32	R32
	Refrigerant (Charging)(kg)	0.53 kg	0.7 kg	0.97 kg	1.15 kg
	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	PM2.5 4-in-1 Care Filter	Yes	Yes	Yes	Yes
	Copper Anti-bacterial Filter	Yes	Yes	Yes	Yes
	Auto Clean	Yes	Yes	Yes	Yes
Convenience	SmartThings	Yes	Yes	Yes	Yes
	AI Auto Cooling	Yes	Yes	Yes	Yes
	Motion Detect Sensor	Yes	Yes	Yes	Yes
	Freeze Wash	Yes	Yes	Yes	Yes
	Filter Cleaning Indicatior	Yes	Yes	Yes	Yes
	Indoor Temperature 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
Operating Mode	Auto Mode	AI Comfort (Wi-Fi + MDS, Direct/Indirect)	AI Comfort (Wi-Fi + MDS, Direct/Indirect)	AI Comfort (Wi-Fi + MDS, Direct/Indirect)	AI Comfort (Wi-Fi + MDS, Direct/Indirect)
	Fast Cool	Yes	Yes	Yes	Yes
	Dry Comfort	Yes	Yes	Yes	Yes
	Good Sleep	Yes	Yes	Yes	Yes
	Eco Mode (Cooling)	Yes	Yes	Yes	Yes
	Eco Mode (Heating)	Yes	Yes	Yes	Yes
	Dehumidification	Yes	Yes	Yes	Yes
	Fan Mode	Yes	Yes	Yes	Yes
	Quiet	Yes	Yes	Yes	Yes
Smart	Wi-Fi Embedded	Yes	Yes	Yes	Yes

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