

# Specifications

## WindFree™ Elite S2 R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and Wind Free™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort and Motion Detect Sensor.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Twin Rotary Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller included.
- Freezewash



			Indoor Unit	Outdoor Unit
			AR70F09CAAWNEU	AR70F12CAAWNEU
			AR70F09CAAWXEU	AR70F12CAAWXEU
<b>Capacity</b>				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min-Max)	kW	1.0-4.0	1.0-4.8
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min-Max)	kW	0.7-7.1	0.8-7.3
	Heating @ -5 °C	kW	4.47	5.04
	Heating @ -10 °C	kW	4.42	4.82
	Heating @ -15 °C	kW	3.79	4.18
<b>Performance</b>				
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	9.5/ <span style="color: green;">A+++</span>	8.5/ <span style="color: green;">A+++</span>
	Power Consumption	kWh/a	92	139
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.67	4.07
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	5.1/ <span style="color: green;">A+++</span>	5.1/ <span style="color: green;">A+++</span>
	Power Consumption	kWh/a	659	659
	Pdesignh (average)	kW	2.4	2.4
	COP <sup>1</sup>	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m <sup>3</sup> /min	11.1	12.1
	Outdoor Unit	m <sup>3</sup> /min	45.0	45.0
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	38/16	40/16
	Outdoor Unit High	dB(A)	45	46
Operating Temperature Range	Cooling	°C	-10~46	-10~46
	Heating	°C	-15~24	-15~24
<b>Electrical Data</b>				
Power Source		Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Twin Rotary	Twin Rotary
Power Consumption	Cooling	W	535	860
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	4.4
<b>Dimensions</b>				
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	10.5	10.5
	Outdoor Unit	kg	30,7	30,7
<b>Refrigerant</b>				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.97	0.97
	Charging Ton Equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.65	0.65
	Additional Refrigerant Charging	g/m	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (3/8)
Piping Length	Min/Max (ODU to IDU)	m	3/20	3/20
Piping Height	Max	m	10	10
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm

<sup>1</sup> Energy labels as shown are according to EU No 626/2011 (LOT 10) label classification 2019, on a scale from D to A+++.



		Indoor Unit	AR70F09CAAWNEU	AR70F12CAAWNEU
		Outdoor Unit	AR70F09CAAWXEU	AR70F12CAAWXEU
<b>Functions</b>				
Airflow	WindFree™ Cooling		●	●
	Air Direction Control (Up/Down)		Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto
	Auto Fan Speed		●	●
Air Purification	Tri-Care Filter		●	●
	Easy Filter Plus		●	●
	Auto Clean (Self-Cleaning)		●	●
Operating Mode	AI Auto Comfort with Wi-Fi & MDS (direct/indirect)		●	●
	AI Auto Comfort with Wi-Fi		●	●
	Auto Mode (without Wi-Fi)		-	-
	Fast Cooling		●	●
	Good Sleep		●	●
	Eco		●	●
	Dehumidification		●	●
	Fan		●	●
	Quiet		●	●
	Other Functions	Samsung SmartThings		●
	MDS (Motion Detect Sensor)		●	●
	Indoor Temperature Display		●	●
	Display On/Off	88 Display	●	●
	Beep On/Off		●	●
	Auto Changeover		●	●
	Auto Restart		●	●

## Controls and Accessories



Wireless SolarCell Remote Controller (included)	Advanced Wired Controller <sup>3</sup>	Simple Type Controller <sup>3</sup>	Touch Controller <sup>3</sup>
	MWR-WG01JN/MWR-WG01KN	MWR-SH00N	MWR-SH11N

<sup>3</sup> MIM-A00N Interface is required for the connection to wired remote controllers.