

Specifications

WindFree™ Comfort S2 R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- AI Auto Comfort.
- 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.
- Freezewash



			Indoor Unit	AR60F09C1AWNEU	AR60F12C1AWNEU	AR60F18C1AWNEU	AR60F24C1AWNEU
			Outdoor Unit	AR60F09C1AWXEU	AR60F12C1AWXEU	AR60F18C1AWXEU	AR60F24C1AWXEU
Capacity							
Capacity	Cooling (Nominal)	kW		2,5	3,5	5	6,5
	Cooling (Min–Max)	kW		1–3.5	0.9–4.2	1.6–6.7	1.4–7.6
	Heating @ +7 °C	kW		3.2	4.0	6	7.4
	Heating (Min–Max)	kW		0.88–5	0.85/5	1.3–8	1.2–9.7
	Heating @ –5 °C	kW		3.06	3.27	5.29	6.58
	Heating @ –10 °C	kW		2.88	3.12	4.88	5.97
	Heating @ –15 °C	kW		2.49	2.61	4.13	5.12
Performance							
Energy Efficiency Cooling	SEER ¹	W/W		7.9/ 	7.6/ 	7.2/ 	7/ 
	Power Consumption	kWh/a		110.76	161.18	325.00	243.06
	Pdesignc	kW		2,5	3,5	5	6,5
	EER	W/W		4	3,54	3,6	3,33
Energy Efficiency Heating	SCOP ¹	W/W		4.6/ 	4.6/ 	4.1/ 	4.3/ 
	Power Consumption	kWh/a		669.57	700.00	1334.88	1297.56
	Pdesignh (average)	kW		2.2	2.3	3.8	4.1
	COP ¹	W/W		4,16	3,92	3,73	3,36
Moisture Removal		l/h		1.0	1.5	2	2.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min		12.1	13.1	15.7	17.6
	Outdoor Unit	m³/min		38	38	50	50
Sound Power	Indoor Unit (Cooling)	dB(A)		56	58	58	62
	Outdoor Unit (Cooling)	dB(A)		63	63	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)		38/16	40/16	41/25	45/27
	Outdoor Unit High	dB(A)		45	46	51	54
Operating Temperature Range	Cooling	°C		–10–46	–10–46	–10–46	–10–46
	Heating	°C		–15–24	–15–24	–15–24	–15–24
Electrical Data							
Power Source		Φ, V, Hz		1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz	1Φ, 220–240 V, 50 Hz
Compressor Type	Outdoor Unit	Type		Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Power Consumption	Cooling	W		625	990	1390	1950
	Heating	W		770	1020	1610	2200
Operating Current	Cooling	A		2.9	4.4	6.4	8.8
	Heating	A		3.4	4.5	7.8	9.8
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm		889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm		710 x 540 x 220	710 x 540 x 220	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg		9,9	9,9	12,3	12,3
	Outdoor Unit	kg		24	24	36,8	38,6
Refrigerant							
Refrigerant	Type			R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 7.5 m)	kg		0,7	0,7	1,3	1,3
	Charging Ton Equivalent CO ₂	tCO ₂ e		0.47	0.47	0.88	0.88
	Additional Refrigerant Charging	g/m		15	15	15	15

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

² The centralized controller is only compatible with specific bigger capacity ODU i.e. AR18TXFCAWKXEU and AR24TXFCAWKXEU. It is not compatible with the 2.5kW and 3.5kW RAC ODU. A MIM-R10N Interface is required for the Outdoor Unit (ODU).



			Indoor Unit	AR60F09C1AWNEU	AR60F12C1AWNEU	AR60F18C1AWNEU	AR60F24C1AWNEU
			Outdoor Unit	AR60F09C1AWXEU	AR60F12C1AWXEU	AR60F18C1AWXEU	AR60F24C1AWXEU
Piping Connections	Liquid Pipe	Ø, mm (inch)		6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	Ø, mm (inch)		9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Piping Length	Min/Max (ODU to IDU)	m		3/15	3/15	3/30	3/30
Piping Height	Max	m		8	8	15	15
Piping Connections	Drain Pipe	Ø, mm		Ø16.3, 550 mm	Ø16.3, 550 mm	Ø16.3, 550 mm	Ø16.3, 550 mm
Functions							
Airflow	WindFree™ Cooling			●	●	●	●
	Air Direction Control (Up/Down)			Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)			Auto	Auto	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 Remote Controller SolarCell (included)	Advanced Wired Controller³	Simple Type Controller³	Touch Controller³
	MWR-WG01JN MWR-WG01KN	MWR-SH00N	MWR-SH11N

³ MIM-A00N Interface is required for the connection to wired remote controllers.