

Specifications

Cebu S2 R32

- 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.
- SolarCell remote controller.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller.
- SolarCell remote controller



			Indoor Unit	AR50F07C1AHNEU	AR50F09C1AHNEU	AR50F12C1AHNEU	AR50F15C1AHNEU	AR50F18C1AHNEU	AR50F24C1AHNEU
			Outdoor Unit	AR50F07C1AHXEU	AR50F09C1AHXEU	AR50F12C1AHXEU	AR50F15C1AHXEU	AR50F18C1AHXEU	AR50F24C1AHXEU
Capacity									
Capacity	Cooling (Nominal)	kW		2	2.5	3.5	4.3	5	6.5
	Cooling (Min–Max)	kW		1.05 - 3	1.05 - 3.5	1.05 - 4	0.95 - 4.8	1.6 - 6.7	1.4 - 7.6
	Heating @ +7 °C	kW		2.2	3.2	4.0	4.3	6	7.4
	Heating (Min–Max)	kW		0.85 - 4.5	0.85 - 4.5	0.85 - 5	0.75 - 7	1.3 - 8	1.2 - 9.7
	Heating @ -5 °C	kW		2.89	2.85	3.15	4.84	5.27	6.55
	Heating @ -10 °C	kW		2.75	2.73	3.0	4.52	4.86	5.92
	Heating @ -15 °C	kW		2.37	2.38	2.62	3.99	4.1	5.09
Performance									
Energy Efficiency Cooling	SEER ¹	W/W		7.6/ A++	7.4/ A++	7/ A++	7.6/ A++	7/ A++	6.8/ A++
	Power Consumption	kWh/a		92.11	118.24	175.00	198.03	334.56	250.00
	Pdesignc	kW		2	2.5	3.5	4.3	5	6.5
	EER	W/W		4.35	4.17	3.3	3.39	3.6	3.33
Energy Efficiency Heating	SCOP ¹	W/W		4.2/ A+	4.2/ A+	4.2/ A+	4.5/ A+	4.1/ A+	4.3/ A+
	Power Consumption	kWh/a		700.00	700.00	733.33	840.00	1334.88	1297.56
	Pdesignh (average)	kW		2.1	2.1	2.2	2.7	3.8	4.1
	COP ¹	W/W		4.68	3.76	3.76	3.47	3.73	3.36
Moisture Removal		L/h		1.0	1.0	1.5	1.5	2	2.5
Maximum Airflow (Cooling)	Indoor Unit	m³/min		10	10.5	10.9	12.4	15.7	17.7
	Outdoor Unit	m³/min		38	38	38	45	50	50
Sound Power	Indoor Unit (Cooling)	dB(A)		56	56	58	58	58	62
	Outdoor Unit (Cooling)	dB(A)		60	63	63	65	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)		38 / 16	38 / 16	40 / 16	41 / 25	41 / 25	45 / 27
	Outdoor Unit High	dB(A)		45	45	46	48	51	54
Operating Temperature Range	Cooling	°C		-10–46	-10–46	-10–46	-10–46	-10–46	-10–46
	Heating	°C		-15–24	-15–24	-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	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	Twin Rotary	Twin Rotary
Power Consumption	Cooling	W		460	600	1060	1270	127	1390
	Heating	W		470	850	930	1240	1610	2200
Operating Current	Cooling	A		2.4	2.9	4.7	5.6	6.4	8.8
	Heating	A		2.5	3.8	4.2	5.5	7.8	9.8
Dimensions									
Net Dimensions (W x H x D)	Indoor Unit	mm		820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	820 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	710 x 540 x 220	790 x 548 x 285	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg		9,1	9,1	9,1	9,1	12,5	12,5
	Outdoor Unit	kg		24	24	24,4	30,7	36,8	38,6

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. AR18TXFYAWKXEU and AR24TXFYAWKXEU. 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	AR50F07C1AHNEU	AR50F09C1AHNEU	AR50F12C1AHNEU	AR50F15C1AHNEU	AR50F18C1AHNEU	AR50F24C1AHNEU
			Outdoor Unit	AR50F07C1AHXEU	AR50F09C1AHXEU	AR50F12C1AHXEU	AR50F15C1AHXEU	AR50F18C1AHXEU	AR50F24C1AHXEU
Refrigerant									
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)						
	Charging (for 7.5 m)	kg		0,7	0,7	0,7	0,93	1,3	1,3
	Charging Ton Equivalent CO ₂	tCO ₂ e		0.47	0.47	0.47	0.63	0.88	0.88
	Additional Refrigerant Charging	g/m		15	15	15	15	15	15
Piping Connections	Liquid Pipe	ø, mm (inch)		6.35 (1/4)	6.35 (1/4)	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)	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	3/15	3/15	3/30	3/30
Piping Height	Max	m		8	8	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	ø16.3, 550 mm	ø16.3, 550 mm
Functions									
Airflow	WindFree™ Cooling								
	Air Direction Control (Up/Down)			Auto	Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)			Auto	Auto	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			●	●	●	●	●	●
Other Functions	Samsung SmartThings			●	●	●	●	●	●
	MDS (Motion Detect Sensor)			●	●	●	●	●	●
	Indoor Temperature Display			●	●	●	●	●	●
	Display On/Off	88 Display		●	●	●	●	●	●
	Beep On/Off			●	●	●	●	●	●
	Auto Changeover			●	●	●	●	●	●
Other Functions	Auto Restart			●	●	●	●	●	●

Controls and Accessories



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

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