

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	m ³ /min		10	10.5	10.9	12.4	15.7	17.7	
	Outdoor Unit	m ³ /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 MJM-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	1,3	
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.47	0.47	0.47	0.63	0.88	0.88	0.88	
	Additional Refrigerant Charging	g/m	15	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)	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)	15.88 (5/8)	
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15	3/15	3/15	3/30	3/30	3/30	
Piping Height	Max	m	8	8	8	8	15	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	ø16.3, 550 mm	
Functions										
Airflow	WindFree™ Cooling									
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto	Auto	Auto	Auto	
Air Purification	Auto Fan Speed		●	●	●	●	●	●	●	
	Tri-Care Filter		-	-	-	-	-	-	-	
	Easy Filter Plus		●	●	●	●	●	●	●	
Operating Mode	Auto Clean (Self-Cleaning)		●	●	●	●	●	●	●	
	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
MWR-WG01JN
MWR-WG01KN



Simple Type Controller³
MWR-SH00N



Touch Controller³
MWR-SH11N

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