

Specifications

Luzon S2 R32

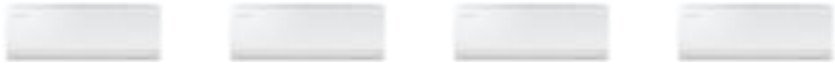
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Twin Rotary Compressor with Digital Inverter Boost technology.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Direct drive fan powered by a BLDC motor.
- Compatible with wired remote controller and with centralized controller.
- AI Auto Comfort







			Indoor Unit	AR50F09C1BHNEU	AR50F12C1BHNEU	AR50F18C1BHNEU	AR50F24C1BHNEU
			Outdoor Unit	AR50F09C1BHXEU	AR50F12C1BHXEU	AR50F18C1BHXEU	AR50F24C1BHXEU
Capacity							
Capacity	Cooling (Nominal)	kW		2,5	3,5	5	6,5
	Cooling (Min–Max)	kW		0,9 - 3,35	0,9 - 3,8	1,6 - 6,7	1,4 - 7,6
	Heating @ +7 °C	kW		3,2	3,5	6	7,4
	Heating (Min–Max)	kW		0,9 - 4,3	0,9 - 4,7	1,3 - 8	1,2 - 9,7
	Heating @ -5 °C	kW		2,8	2,87	5,27	6,55
	Heating @ -10 °C	kW		2,68	2,72	4,86	5,92
	Heating @ -15 °C	kW		2,37	2,33	4,1	5,09
Performance							
Energy Efficiency Cooling	SEER ¹	W/W		6,7/ A++	6,6/ A++	7/ A++	6,8/ A++
	Power Consumption	kWh/a		130,60	185,61	334,56	250,00
	Pdesignc	kW		2,5	3,5	5	6,5
	EER	W/W		3,29	2,6	3,6	3,33
Energy Efficiency Heating	SCOP ¹	W/W		4,0/ A+	4,0/ A+	4,1/ A+	4,3/ A+
	Power Consumption	kWh/a		735,00	805,00	1334,88	1297,56
	Pdesignh (average)	kW		2,1	2,2	3,8	4,1
	COP ¹	W/W		3,64	3,61	3,73	3,36
Moisture Removal		l/h		1,0	1,5	2	2,5
Maximum Airflow (Cooling)	Indoor Unit	m ³ /min		10,5	10,9	15,7	17,7
	Outdoor Unit	m ³ /min		38	38	50	50
Sound Power	Indoor Unit (Cooling)	dB(A)		54	56	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		760	1345	1390	1950
	Heating	W		880	970	1610	220
Operating Current	Cooling	A		3,4	6	6,4	8,8
	Heating	A		4	4,4	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	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		9,1	9,1	12,5	12,5
	Outdoor Unit	kg		24,8	24,8	40,1	42

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. AR18TXHZAWKXEU and AR24TXHZAWKXEU. 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			AR50F09C1BHNEU	AR50F12C1BHNEU	AR50F18C1BHNEU	AR50F24C1BHNEU
Outdoor Unit			AR50F09C1BHXEU	AR50F12C1BHXEU	AR50F18C1BHXEU	AR50F24C1BHXEU
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 5 m)	kg	0,53	0,53	1,3	1,3
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.36	0.36	0.88	0.88
	Additional Refrigerant Charging	g/m	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)
	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



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.