SAMSUNG

SmartThings

Luzon S2

- 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.
- Wireless remote controller included.
- AI Auto Comfort.

Specifications

			AR50F09C1BHNEU	AR50F12C1BHNEU	AR50F18C1BHNEU	AR50F24C1BHNEU
Indoor Unit			AR50F09C1BHNEU	AR50F12C1BHNEU	AR50F18C1BHNEU	AR50F24C1BHNEU
Outdoor Unit			AR50F09C1BHXEU	AR50F12C1BHXEU	AR50F18C1BHXEU	AR50F24C1BHXEU
Capacity						
	Cooling (Min–Max)	kW	0.9 - 3.35	0.9 - 3.8	1.6 - 6.7	1.4 - 7.6
	Heating (Min–Max)	kW	0.9 - 4.3	0.9 - 4.7	1.3 - 8	1.2 - 9.7
Performance						
Energy Efficiency Cooling	SEER[1]	W/W	6.7/ A++	6.6/ A++	7/ A++	6.8/ A++
	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+
	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	m³/min	10.5	10.9	15.7	17.7
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)	37 / 19	38 /19	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
Power Consumption	Cooling	W	760	1345	1390	1950
	Heating	W	880	970	1610	220
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
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
	Charging (for 7.5 m)	kg	0,53	0,53	1,3	1,3
	Charging Ton Equivalent CO_2	tCO_2e	0.36	0.36	0.88	0.88
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

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Outdoor Unit			AR50F09C1BHXEU	AR50F12C1BHXEU	AR50F18C1BHXEU	AR50F24C1BHXEU

Functions

			AR50F09C1BHNEU	AR50F12C1BHNEU	AR50F18C1BHNEU	AR50F24C1BHNEU
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		●	●	●	●

Accessories

Wireless Remote Controller	Advanced Wired Controller[3]	Touch Controller[3]
	MWR-WG01JN MWR-WG01KN	MWR-SH11N