SAMSUNG

RAC

SmartThings

WindFree Comfort S2

- 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 included.
- Freezewash.

Specifications






			Indoor Unit	AR60F09C1AWNEU	AR60F12C1AWNEU	AR60F18C1AWNEU	AR60F24C1AWNEU
			Outdoor Unit	AR60F09C1AWXEU	AR60F12C1AWXEU	AR60F18C1AWXEU	AR60F24C1AWXEU
Capacity							
	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
Performance							
Energy Efficiency Cooling	**SEER[1]**	**W/W**		7.9/ A++	7.6/ A++	7.2/ A++	7/ A++
	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/ A++	4.6/ A++	4.1/ A+	4.3/ A+
	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**	**m^3/min**		12.1	13.1	15.7	17.6
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
Power Consumption	**Cooling**	**W**		625	990	1390	1950
	Heating	**W**		770	1020	1610	2200
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_2e**		0.47	0.47	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	AR60F09C1AWXEU	AR60F12C1AWXEU	AR60F18C1AWXEU	AR60F24C1AWXEU
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			●	●	●	●

Accessories		
		
Wireless Remote Controller SolarCell (Included)	Advanced Wired Controller[3]	Touch Controller[3]
	MWR-WG01JN MWR-WG01KN	MWR-SH11N

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