

Specifications

Nordic Airise R32

- Heating down to -30 °C.
- Two step cooling mode.
- Compressor with Digital boost inverter technology.
- Triple Protector Plus to protect compressor, fan and controller from power surges.
- Compatible with wired remote controller and with centralized controller².
- AI Auto Comfort.
- Direct drive fan powered by a BLDC motor.
- Equipped with base heater.
- Wi-Fi Smart Control with Bixby Voice Controls and AI Auto Comfort.



Indoor Unit			AR09TXFZBWKNEE	AR12TXFZBWKNEE
Outdoor Unit			AR09TXFZBWKXEE	AR12TXFZBWKXEE
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min–Max)	kW	0.9-3.4	0.9-4.4
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min–Max)	kW	0.8-6.5	0.8-6.8
	Heating @ 0 °C	kW	4.59	5.19
	Heating @ -10 °C	kW	3.88	4.45
	Heating @ -20 °C	kW	2.86	3.26
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	6.0/ A+	6.0/ A+
	Consumption	kWh/a	146	204
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.46	3.80
Energy Efficiency Heating	SCOP ¹	W/W	4.3/ A+	4.3/ A+
	Consumption	kWh/a	749	781
	Pdesignh (average)	kW	2.3	2.4
	COP ¹	W/W	3.95	3.64
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m ³ /min	11.4	11.9
	Outdoor Unit	m ³ /min	45	45
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit Low/High	dB(A)	19 / 38	19 / 40
	Outdoor Unit High	dB(A)	44	46
Operating Temperature Range	Cooling	°C	-15-46	-15-46
	Heating	°C	-30-24	-30-24
Electrical Data				
Power Source		Φ, V, Hz	1Φ, 220-240 V, 50 Hz	1Φ, 220-240 V, 50 Hz
Compressor Type	Outdoor Unit	Type	Rotary	Rotary
Power Input	Cooling	W	540	920
	Heating	W	810	1,100
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.9	5.2
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	820 x 299 x 215	820 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	9.2	9.2
	Outdoor Unit	kg	33	33
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.965	0.965
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.65	0.65
	Additional Refrigerant Charging	g/m	15	15
Piping Connections	Liquid Pipe	ø, inch	1/4"	1/4"
	Gas Pipe	ø, inch	3/8"	3/8"
Piping Length	Min/Max (ODU to IDU)	m	3 / 15	3 / 15
Piping Height	Max	m	8	8
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

² A MIM-R10N Interface is required to connect the Outdoor Unit (ODU) to the centralized controller.



Indoor Unit		AR09TXFZBWKNEE	AR12TXFZBWKNEE
Outdoor Unit		AR09TXFZBWKXEE	AR12TXFZBWKXEE
Functions			
Airflow	WindFree™ Cooling	-	-
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual
	Auto Fan Speed	●	●
Air Purification	Tri-Care Filter	-	-
	Easy Filter Plus	●	●
	Auto Clean (Self Cleaning)	●	●
Operating Mode	AI Auto with Wi-Fi & MDS (direct/Indirect)	-	-
	AI Auto with Wi-Fi	●	●
	Auto Mode (without Wi-fi)	●	●
	Fast Cool	●	●
	Good Sleep	●	●
	Eco mode	●	●
	Dehumidification	●	●
	Fan	●	●
	Quiet	●	●
Other Functions	Samsung SmartThings	●	●
	MDS (Motion Detect Sensor)	-	-
	Indoor Temperature Display	●	●
	Display On/Off	●	●
	Beep On/Off	●	●
	Auto Changeover	●	●
Auto Restart	●	●	

Accessory



Wireless Remote Controller (included)	Advanced Wired Controller ³	Simple Type Controller ³	Touch Controller ³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

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