

Specifications

Nordic WindFree™ Geo R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- Tri-Care Filter system with Zeolite Coating.
- AI Auto Comfort and Motion Detect Sensor.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compressor with Digital Inverter Boost technology.
- Equipped with base heater.
- 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 controller².
- Heating down to -30 °C.



Indoor Unit			AR09TXCACWKNEE	AR12TXCACWKNEE
Outdoor Unit			AR09TXCACWKXEE	AR12TXCACWKXEE
Capacity				
Capacity	Cooling (Nominal)	kW	2.5	3.5
	Cooling (Min–Max)	kW	0.9-3.6	0.9-4.8
	Heating @ +7 °C	kW	3.2	4.0
	Heating (Min–Max)	kW	0.8-7.1	0.8-7.3
	Heating @ 0 °C	kW	4.62	5.38
	Heating @ -10 °C	kW	4.10	4.66
	Heating @ -20 °C	kW	3.28	3.57
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	8.8/ A+++	8.5/ A+++
	Consumption	kWh/a	99	144
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP ¹	W/W	5.1/ A+++	5.1/ A+++
	Consumption	kWh/a	631	659
	Pdesignh (average)	kW	2.3	2.4
	COP ¹	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m ³ /min	13.1	13.1
	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)	17 / 38	17 / 40
	Outdoor Unit High	dB(A)	45	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	885
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	4.4
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	889 x 299 x 215	889 x 299 x 215
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	10.4	10.4
	Outdoor Unit	kg	33	33
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.920	0.920
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.62	0.62
	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		AR09TXCACWKNEE	AR12TXCACWKNEE
Outdoor Unit		AR09TXCACWKXEE	AR12TXCACWKXEE
Functions			
Airflow	WindFree™ Cooling	●	●
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto
	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.