

# 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 controller.
- AI Auto Comfort.
- Direct drive fan powered by a BLDC motor.
- Equipped with NASA communication protocol.
- Wi-Fi Smart Control with Bixy Voice Controls and AI Auto Comfort.

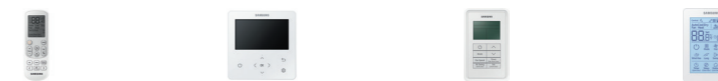


Indoor Unit		AR09TXFZBWKNEE		AR12TXFZBWKNEE	
Outdoor Unit		AR09TXFZBWKXEE		AR12TXFZBWKXEE	
<b>Capacity</b>					
Capacity	Cooling (Nominal)	kW	2.5	3.5	
	Cooling (Min-Max)	kW	0.9-3.4	0.9-4.4	
	Heating @ +7 °C	kW	3.2	4.0	
	Heating (Min-Max)	kW	0.8-6.5	0.8-6.8	
	Heating @ 0 °C	kW	4.59	5.19	
	Heating @ -10 °C	kW	3.88	4.45	
	Heating @ -20 °C	kW	2.86	3.26	
<b>Performance</b>					
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	6.0/ <span style="color: green;">A+</span>	6.0/ <span style="color: green;">A+</span>	
	Consumption	kWh/a	146	204	
	Pdesignc	kW	2.5	3.5	
	EER	W/W	4.46	3.80	
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.3/ <span style="color: green;">A+</span>	4.3/ <span style="color: green;">A+</span>	
	Consumption	kWh/a	749	781	
	Pdesignh (average)	kW	2.3	2.4	
	COP <sup>1</sup>	W/W	3.95	3.64	
Moisture Removal		l/h	1.0	1.5	
Maximum Airflow (Cooling)	Indoor Unit	m <sup>3</sup> /min	11.4	11.9	
	Outdoor Unit	m <sup>3</sup> /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	
<b>Electrical Data</b>					
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	
<b>Dimensions</b>					
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	
<b>Refrigerant</b>					
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Charging (for 5 m)	kg	0.965	0.965	
	Charging Ton Equivalent CO <sub>2</sub>	tCO <sub>2</sub> 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	



Indoor Unit		AR09TXFZBWKNEE		AR12TXFZBWKNEE	
Outdoor Unit		AR09TXFZBWKXEE		AR12TXFZBWKXEE	
<b>Functions</b>					
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

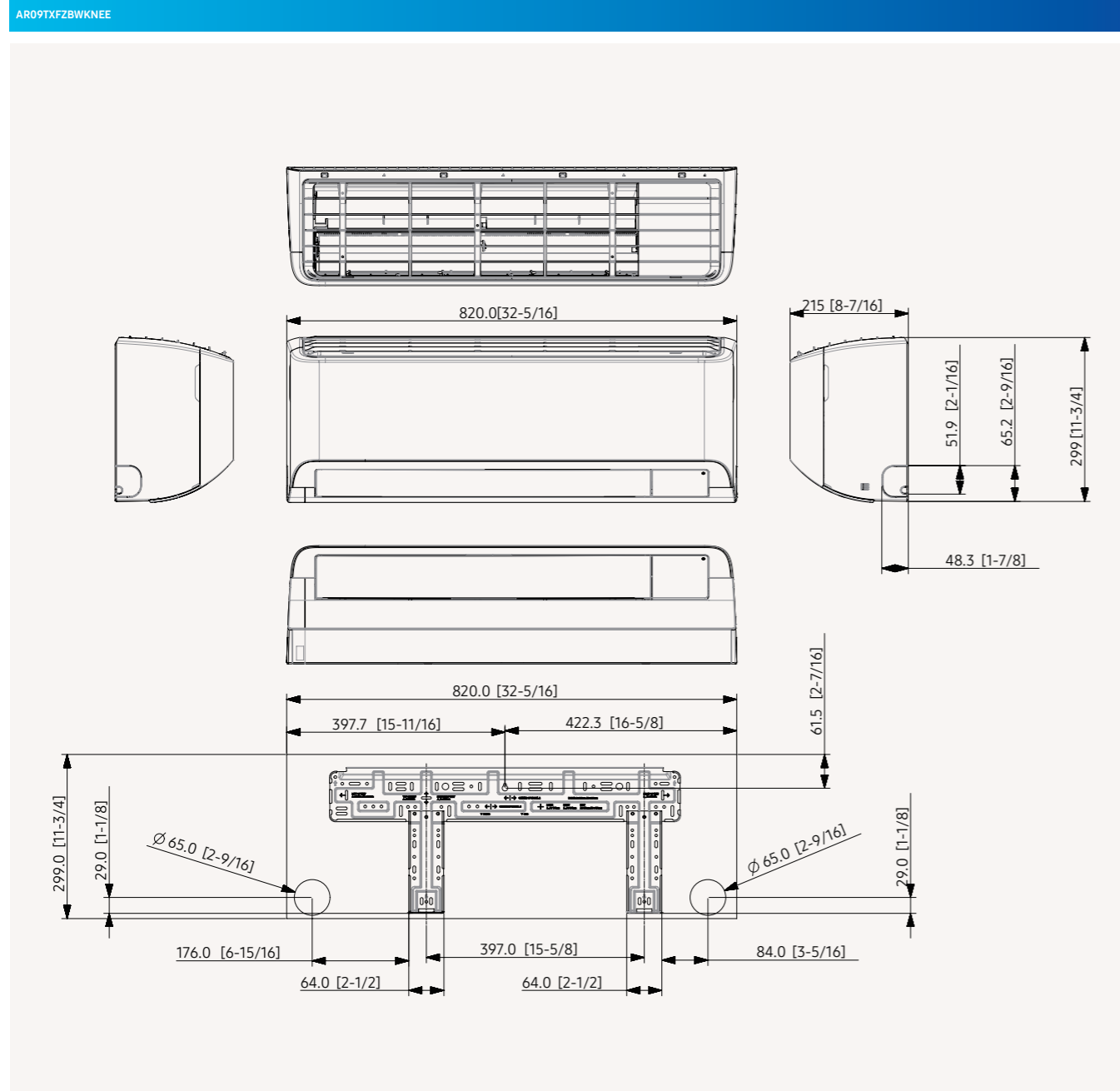


Wireless Remote Controller (included)	Advanced Wired Controller	Simple Type Controller	Touch Controller
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

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

# Dimensional drawings

Nordic Airise - Indoor



Nordic Airise - Outdoor

