

# Specifications

## WindFree™ Elite 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.
- 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<sup>2</sup>.
- SolarCell remote controller included.



Indoor Unit			AR09CXCAAWKNEU	AR12CXCAAWKNEU
Outdoor Unit			AR09TXCAAWKXEU	AR12TXCAAWKXEU
<b>Capacity</b>				
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 @ -5 °C	kW	4.15	4.83
	Heating @ -10 °C	kW	3.98	4.62
	Heating @ -15 °C	kW	3.92	4.52
<b>Performance</b>				
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	8.8/ <span style="color: green;">A+++</span>	8.5/ <span style="color: green;">A+++</span>
	Power Consumption	kWh/a	99	144
	Pdesignc	kW	2.5	3.5
	EER	W/W	4.63	3.95
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	5.1/ <span style="color: green;">A+++</span>	5.1/ <span style="color: green;">A+++</span>
	Power Consumption	kWh/a	631	659
	Pdesignh (average)	kW	2.3	2.4
	COP <sup>1</sup>	W/W	4.74	4.26
Moisture Removal		l/h	1.0	1.5
Maximum Airflow (Cooling)	Indoor Unit	m <sup>3</sup> /min	11.1	12.1
	Outdoor Unit	m <sup>3</sup> /min	45.0	45.0
Sound Power	Indoor Unit (Cooling)	dB(A)	56	58
	Outdoor Unit (Cooling)	dB(A)	59	62
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)	39/16	40/16
	Outdoor Unit High	dB(A)	45	46
Operating Temperature Range	Cooling	°C	-10–46	-10–46
	Heating	°C	-15–24	-15–24
<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	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W	540	885
	Heating	W	675	940
Operating Current	Cooling	A	2.9	4.1
	Heating	A	3.4	4.4
<b>Dimensions</b>				
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	10.6	10.6
	Outdoor Unit	kg	32.5	32.5
<b>Refrigerant</b>				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
	Charging (for 5 m)	kg	0.97	0.97
	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, mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe	ø, mm (inch)	9.52 (3/8)	9.52 (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	ø16.3, 550 mm	ø16.3, 550 mm

<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+++.

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



Indoor Unit		AR09CXCAAWKNEU	AR12CXCAAWKNEU	
Outdoor Unit		AR09TXCAAWKXEU	AR12TXCAAWKXEU	
<b>Functions</b>				
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 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	●	●	

## Accessory



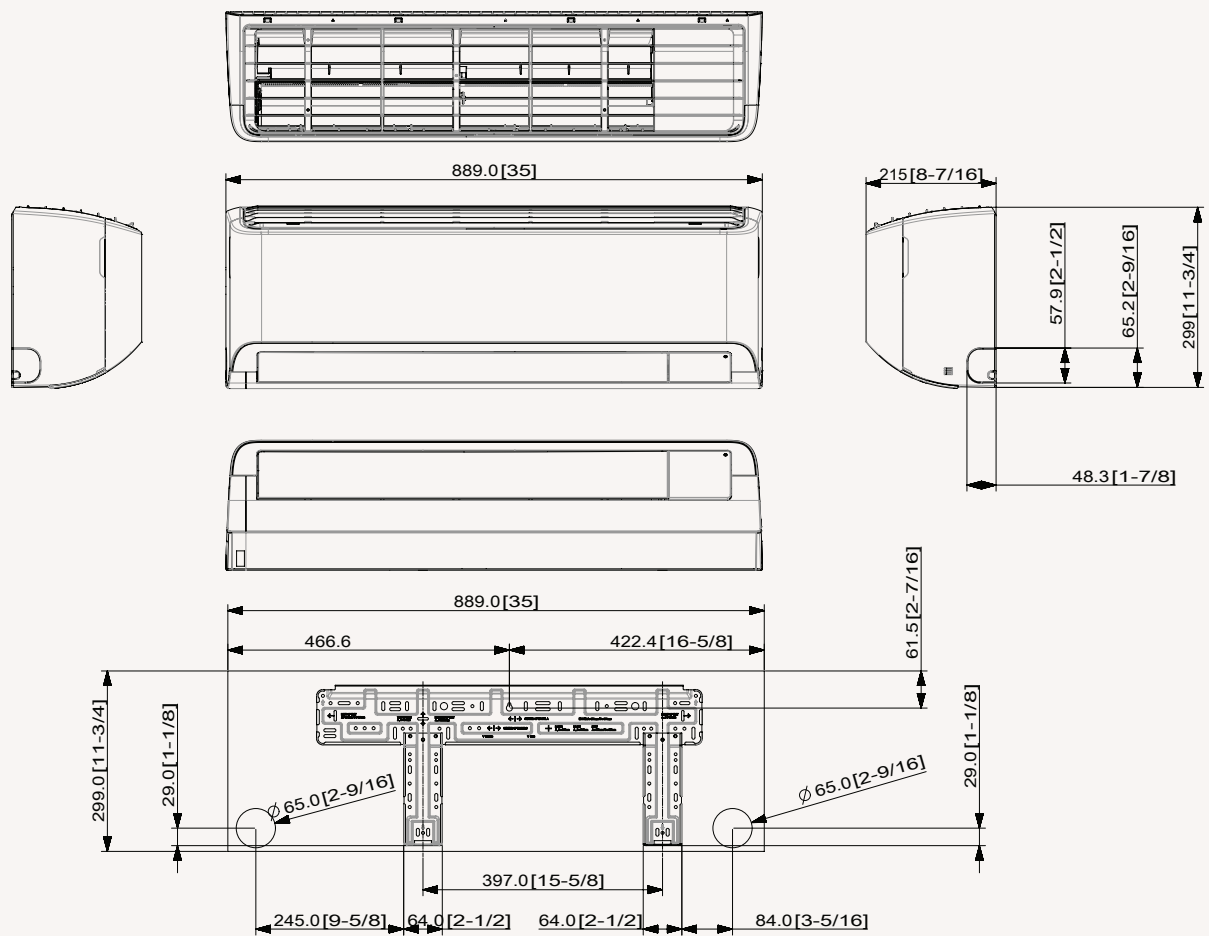
Wireless SolarCell Remote Controller (included)	Advanced Wired Controller <sup>3</sup>	Simple Type Controller <sup>3</sup>	Touch Controller <sup>3</sup>
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

<sup>3</sup> MIM-A00N Interface is required for the connection to wired remote controllers.

# Dimensional drawings

WindFree™ Elite - Indoor

AR09/12CXCAAWKNEU



# WindFree™ Elite - Outdoor

AR09/12TXCAAWKXEU

