

Specifications

Cebu R32

- AI Auto Comfort.
- 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, fin and controller from power surges.
- Compatible with wired remote controller. The centralized controller is only compatible with bigger capacity ODU².



			Indoor Unit	AR09TXFYAWKNEU	AR12TXFYAWKNEU	AR18TXFYAWKNEU	AR24TXFYAWKNEU
			Outdoor Unit	AR09TXFYAWKXEU	AR12TXFYAWKXEU	AR18TXFYAWKXEU	AR24TXFYAWKXEU
Capacity							
Capacity	Cooling (Nominal)	kW		2.5	3.5	5.0	6.5
	Cooling (Min–Max)	kW		0.9–3.4	0.9–4.0	1.6–6.7	1.4–7.6
	Heating @ +7 °C	kW		3.2	3.5	6.0	7.4
	Heating (Min–Max)	kW		0.9–4.5	0.9–5.0	1.3–8.0	1.2–9.4
	Heating @ -5 °C	kW		2.74	3.09	4.84	6.00
	Heating @ -10 °C	kW		2.48	2.87	4.57	5.55
	Heating @ -15 °C	kW		2.29	2.58	4.58	5.66
Performance							
Energy Efficiency Cooling	SEER ¹	W/W		6.7/ A++	6.5/ A++	6.8/ A++	6.4/ A++
	Power Consumption	kWh/a		131	188	257	355
	Pdesignc	kW		2.5	3.5	5.0	6.5
	EER	W/W		3.57	2.87	3.60	3.33
Energy Efficiency Heating	SCOP ¹	W/W		4.0/ A+	4.0/ A+	3.8/ A	4.0/ A
	Power Consumption	kWh/a		735	770	1,400	1,511
	Pdesignh (average)	kW		2.1	2.2	3.8	4.1
	COP ¹	W/W		3.81	3.72	3.53	3.15
Moisture Removal		L/h		1.0	1.5	2.0	2.5
Maximum Airflow (Cooling)	Indoor Unit	m ³ /min		10.5	10.9	16.5	17.2
	Outdoor Unit	m ³ /min		28.0	28.0	50.0	50.0
Sound Power	Indoor Unit (Cooling)	dB(A)		54	56	58	62
	Outdoor Unit (Cooling)	dB(A)		63	64	65	68
Sound Pressure	Indoor Unit High/Silent Mode	dB(A)		37/19	38/19	41/25	45/26
	Outdoor Unit High	dB(A)		46	47	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
Compressor Type	Outdoor Unit	Type		BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power Consumption	Cooling	W		700	1,220	1,390	1,950
	Heating	W		840	940	1,700	2,350
Operating Current	Cooling	A		3.6	5.6	6.4	8.8
	Heating	A		4.0	4.5	7.8	10.5
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm		820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor Unit	mm		660 x 475 x 242	660 x 475 x 242	880 x 638 x 310	880 x 638 x 310
Net Weight	Indoor Unit	kg		9.1	9.1	11.5	11.6
	Outdoor Unit	kg		22.6	22.6	39.7	43.2

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. AR18TXFYAWKXEU and AR24TXFYAWKXEU. It is not compatible with the 2.5kW and 3.5kW RAC ODU. A MIM-R10N Interface is required for the Outdoor Unit (ODU).



Indoor Unit	AR09TXFYAWKNEU	AR12TXFYAWKNEU	AR18TXFYAWKNEU	AR24TXFYAWKNEU
Outdoor Unit	AR09TXFYAWKXEU	AR12TXFYAWKXEU	AR18TXFYAWKXEU	AR24TXFYAWKXEU

Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases, GWP = 675)			
	Charging (for 5 m)	kg	0.70	0.70	1.30	1.30
	Charging Ton Equivalent CO ₂	tCO ₂ e	0.47	0.47	0.88	0.88
	Additional Refrigerant Charging	g/m	15	15	15	15
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)	12.70 (1/2)	15.88 (5/8)
Piping Length	Min/Max (ODU to IDU)	m	3/15	3/15	3/15	3/15
Piping Height	Max	m	8	8	8	8
Piping Connections	Drain Pipe	ø, mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm	ø16.3, 550 mm
Functions						
Airflow	WindFree™ Cooling					
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Manual	Manual	Manual	Manual
	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 Remote Controller (included)	Advanced Wired Controller ³	Simple Type Controller ³	Touch Controller ³
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N

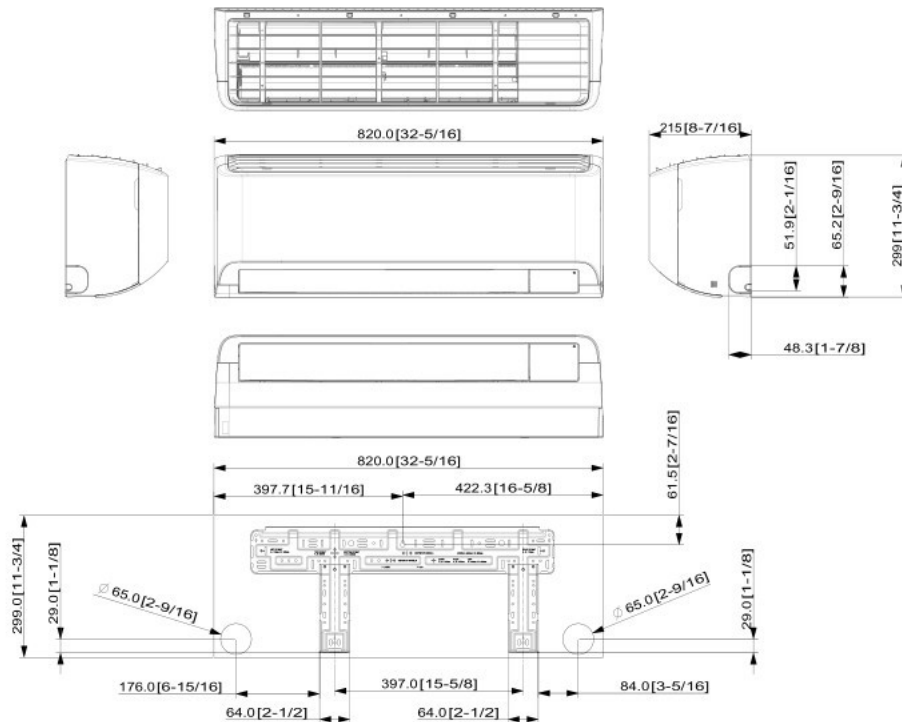
³ MIM-A00N Interface is required for the connection to wired remote controllers.

Dimensional drawings

Cebu - Indoor

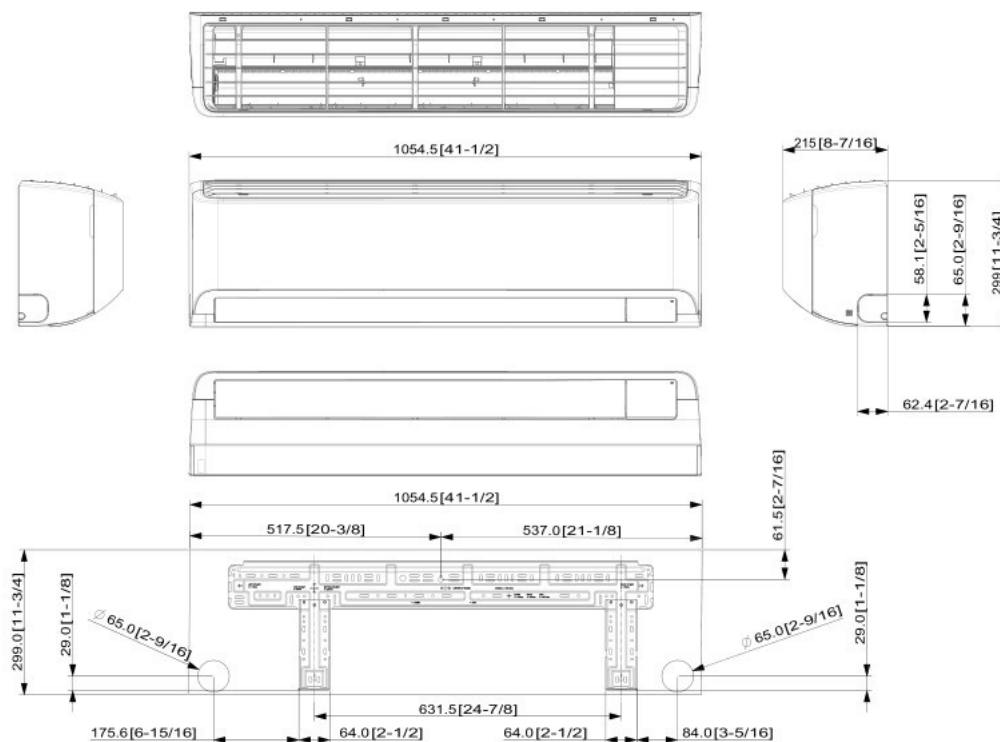
AR09/12TXFYAWKNEU

Units: mm [inches]



AR18/24TXFYAWKNEU

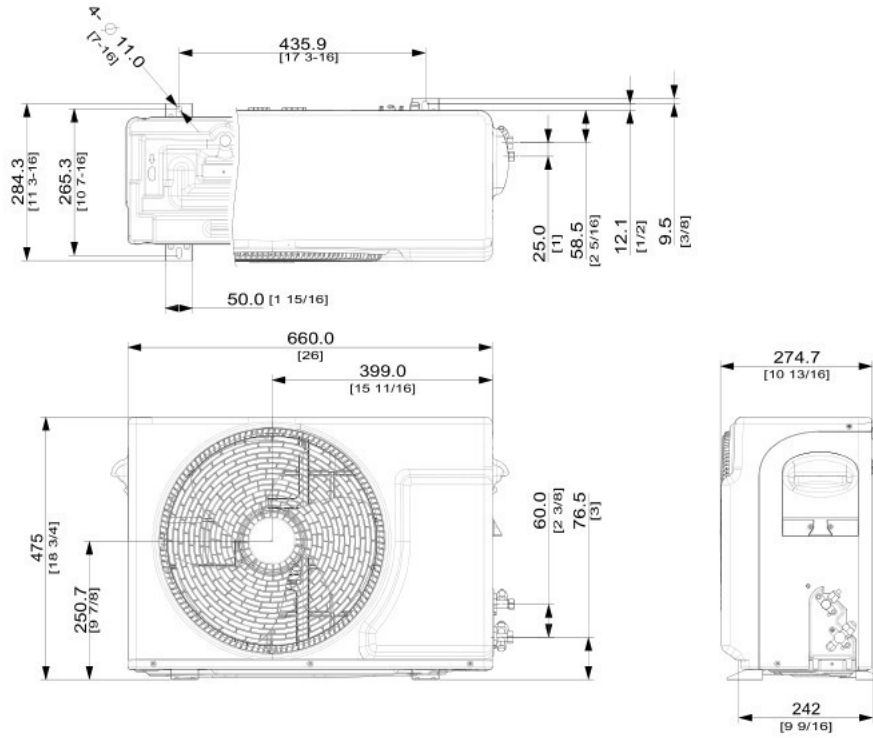
Units: mm [inches]



Cebu - Outdoor

AR09/12TXFYAWKXEU

Units: mm [inches]



AR18/24TXFYAWKXEU

Units: mm [inches]

