

Multi Split



Specifications

Outdoor units R32

- 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.



Outdoor Unit			AJ040TXJ2KG/EU	AJ050TXJ2KG/EU	AJ052TXJ3KG/EU
Maximum number of connectable indoor units			2	2	3
Capacity					
Capacity	Cooling (Nominal)	kW	4.0	5.0	5.2
	Heating @ +7 °C	kW	4.2	5.6	6.3
	Heating @ -5 °C	kW	3.16	4.22	4.22
	Heating @ -10 °C	kW	2.70	3.60	3.60
	Heating @ -15 °C	kW	2.23	2.98	2.98
Performance					
Energy Efficiency Cooling	SEER ¹	W/W	8.54/ A+++	8.54/ A+++	8.51/ A+++
	Power Consumption	kWh/a	164	205	206
	Pdesignc	kW	4.0	5.0	5.0
	EER	W/W	4.44	4.10	4.16
Energy Efficiency Heating	SCOP ¹	W/W	4.60/ A++	4.64/ A++	3.60/ A
	Power Consumption	kWh/a	922	1,270	1,400
	Pdesignh (average)	kW	3.1	4.2	4.6
	COP ¹	W/W	4.64	4.38	4.77
Airflow Rate		m ³ /min	29.7	33.1	38.0
Sound Power		dB(A)	60	61	61
Sound Pressure	Cooling	dB(A)	45	46	46
	Heating	dB(A)	46	47	48
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Discharge direction		Front (horizontal)	Front (horizontal)	Front (horizontal)
	Power	W	40	40	125
	Number of Fans	-	1	1	1
Operating Temperature Range	Cooling	°C	-5.0~46.0	-5.0~46.0	-10.0~46.0
	Heating	°C	-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
Compressor Type			Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power Consumption	Cooling	kW	0.90	1.22	1.25
	Heating	kW	0.90	1.28	1.32
Operating Current	Cooling	A	4.1	5.6	5.5
	Heating	A	4.1	5.9	6.1
Dimensions					
Net Dimensions (W x H x D)		mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
Net Weight		kg	32.0	33.0	44.5
Refrigerant					
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)		
	Factory Charging	kg	0.98	1.18	1.55
	Chargeless Piping Length	m	30.0	30.0	30.0
	Charging Ton equivalent CO ₂	tCO ₂ e	0.66	0.80	1.05
	Additional Refrigerant Charging	g/m			
Piping Connections	Liquid Pipe	ø, inch	1/4 x 2	1/4 x 2	1/4 x 3
	Gas Pipe	ø, inch	3/8 x 2	3/8 x 2	3/8 x 2 + 1/2
Piping Length	Total Piping Length	m	30	30	50
	Min/Max	m	3/25	3/25	3/25
Piping Height	Max Height (ID-ID)	m	7.5	7.5	7.5
	Max Height (OD-ID)	m	15	15	15



AJ068TXJ3KG/EU	AJ080TXJ4KG/EU	AJ100TXJ5KG/EU
3	4	5
6.8	8.0	10.0
8.0	9.3	12.0
6.02	7.00	9.03
5.14	5.97	7.70
4.25	4.94	6.38
7.75/ A++	7.75/ A++	8.00/ A++
293	330	387
6.5	7.3	8.8
3.78	4.06	3.64
4.32/ A+	4.10/ A+	4.32/ A+
1,833	2,009	2,564
5.7	5.9	7.9
4.42	4.37	4.26
47.5	47.5	75.0
64	64	70
48	48	54
50	50	56
Propeller Fan	Propeller Fan	Propeller Fan
Front (horizontal)	Front (horizontal)	Front (horizontal)
125	125	125
1	1	1
-10.0~46.0	-10.0~46.0	-10.0~46.0
-15~24	-15~24	-15~24
1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
1.80	1.97	2.75
1.81	2.13	2.82
8.1	8.9	12.2
8.2	9.5	12.8
880 x 798 x 310	880 x 798 x 310	940 x 998 x 330
57.5	57.5	76.5
R32 (contains fluorinated greenhouse gases. GWP = 675)		
2.00	2.00	2.70
30.0	40.0	40.0
1.35	1.35	1.82
10	10	10
1/4 x 3	1/4 x 4	1/4 x 5
3/8 + 1/2 x 2	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 3
50	70	75
3/25	3/25	3/25
7.5	7.5	7.5
15	15	15

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++. However the SEER, SCOP and energy rating depends on the combination of Indoor Unit which is used with the outdoor unit. It may vary with the different indoor unit.

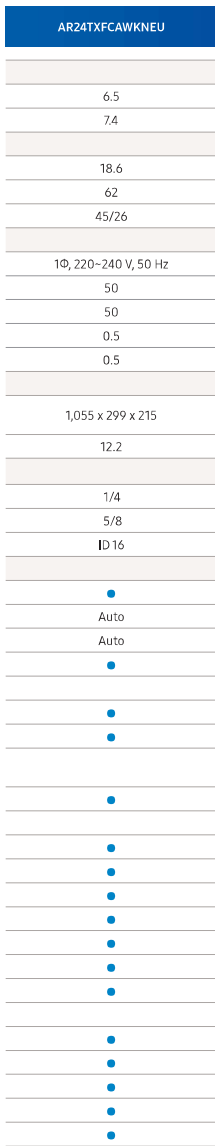
Specifications

WindFree™ Comfort R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and WindFree™ Cooling mode.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.
- Compatible with wired remote controller and with centralized controller.



Indoor Unit			AR07TXFCWKNUE	AR09TXFCWKNUE	AR12TXFCWKNUE	AR18TXFCWKNUE
Capacity						
Capacity	Cooling	kW	2.0	2.5	3.5	5.0
	Heating @ +7 °C	kW	2.2	3.2	3.5	6.0
Performance						
Airflow Rate		m³/min	9.9	10.3	10.7	16.6
Sound Power	Cooling	dB(A)	54	54	56	58
Sound Pressure	H/L	dB(A)	36/19	37/19	38/19	41/25
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
Power Consumption	Cooling	W	30	30	30	40
	Heating	W	30	30	30	40
Current Input	Cooling	A	0.3	0.3	0.3	0.4
	Heating	A	0.3	0.3	0.3	0.4
Dimensions						
Net Dimensions (W x H x D)		mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215
Net Weight		kg	8.9	8.9	8.9	12.2
Refrigerant						
Piping Connections	Liquid Pipe	ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	ø, inch	3/8	3/8	3/8	1/2
Piping Connections	Drain Pipe	ø, mm	ID 16	ID 16	ID 16	ID 16
Functions						
Airflow	WindFree™ Cooling		●	●	●	●
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	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	88 Display	●	●	●	●
	Display On/Off		●	●	●	●
	Beep On/Off		●	●	●	●
	Auto Changeover		●	●	●	●
	Auto Restart		●	●	●	●



Wireless Remote Controller (included)	Advanced Wired Controller ¹	Simple Type Controller ¹	Touch Controller ¹
	MWR-WG00JN/MWR-WG00KN	MWR-SH00N	MWR-SH11N