

Specifications

Outdoor units R32

- Compressor with Digital Inverter Boost technology.
- Equipped with NASA communication protocol.
- 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	AJ068TXJ3KG/EU
Maximum number of connectable indoor units			2	2	3	3
Capacity						
Capacity	Cooling (Nominal)	kW	4.0	5.0	5.2	6.8
	Heating @ +7 °C	kW	4.2	5.6	6.3	8.0
	Heating @ -5 °C	kW	3.16	4.22	4.22	6.02
	Heating @ -10 °C	kW	2.70	3.60	3.60	5.14
	Heating @ -15 °C	kW	2.23	2.98	2.98	4.25
Performance						
Energy Efficiency Cooling	SEER ¹	W/W	8.54	8.54	8.51	7.75
	Power Consumption	kWh/a	164	205	206	293
	Pdesignc	kW	4.0	5.0	5.0	6.5
	EER	W/W	4.44	4.10	4.16	3.78
Energy Efficiency Heating	SCOP ¹	W/W	4.60	4.64	4.60	4.32
	Power Consumption	kWh/a	922	1,270	1,400	1,833
	Pdesignh (average)	kW	3.1	4.2	4.6	5.7
	COP ¹	W/W	4.64	4.38	4.77	4.42
Airflow Rate	m ³ /min	29.7	33.1	38.0	47.5	
Sound Power	dB(A)	60	61	61	64	
Sound Pressure	Cooling	dB(A)	45	46	46	48
	Heating	dB(A)	46	47	48	50
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Discharge direction		Front (horizontal)	Front (horizontal)	Front (horizontal)	Front (horizontal)
	Power	W	40	40	125	125
	Number of Fans	-	1	1	1	1
Operating Temperature Range	Cooling	°C	-5.0~46.0	-5.0~46.0	-10.0~46.0	-10.0~46.0
	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			Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power Consumption	Cooling	kW	0.90	1.22	1.25	1.80
	Heating	kW	0.90	1.28	1.32	1.81
Operating Current	Cooling	A	4.1	5.6	5.5	8.1
	Heating	A	4.1	5.9	6.1	8.2
Dimensions						
Net Dimensions (W x H x D)	mm		790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Net Weight	kg		32.0	33.0	44.5	57.5
Refrigerant						
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)			
Factory Charging	kg		0.98	1.18	1.55	2.00
	Chargeless Piping Length	m	30.0	30.0	30.0	30.0
	Charging Ton equivalent CO ₂	tCO ₂ e	0.66	0.80	1.05	1.35
	Additional Refrigerant Charging	g/m				10
Piping Connections	Liquid Pipe	ø, inch	1/4 x 2	1/4 x 2	1/4 x 3	1/4 x 3
	Gas Pipe	ø, inch	3/8 x 2	3/8 x 2	3/8 x 2 + 1/2	3/8 + 1/2 x 2
Piping Length	Total Piping Length	m	30	30	50	50
	Min/Max	m	3/25	3/25	3/25	3/25
Piping Height	Max Height (ID-ID)	m	7.5	7.5	7.5	7.5
	Max Height (OD-ID)	m	15	15	15	15

Outdoor Unit			AJ080TXJ4KG/EU	AJ100TXJ5KG/EU
Maximum number of connectable indoor units			4	5
Capacity				
Capacity	Cooling (Nominal)	kW	8.0	10.0
	Heating @ +7 °C	kW	9.3	12.0
	Heating @ -5 °C	kW	7.00	9.03
	Heating @ -10 °C	kW	5.97	7.70
	Heating @ -15 °C	kW	4.94	6.38
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	7.75	8.00
	Power Consumption	kWh/a	330	TBA
	Pdesignc	kW	7.3	TBA
	EER	W/W	4.06	3.64
Energy Efficiency Heating	SCOP ¹	W/W	4.10	4.32
	Power Consumption	kWh/a	2,009	TBA
	Pdesignh (average)	kW	5.9	TBA
	COP ¹	W/W	4.37	4.26
Airflow Rate	m ³ /min	47.5	75.0	
Sound Power	dB(A)	64	70	
Sound Pressure	Cooling	dB(A)	48	54
	Heating	dB(A)	50	56
Fan	Type		Propeller Fan	Propeller Fan
	Discharge direction		Front (horizontal)	Front (horizontal)
	Power	W	125	125
	Number of Fans	-	1	1
Operating Temperature Range	Cooling	°C	-10.0~46.0	-10.0~46.0
	Heating	°C	-15~24	-15~24
Electrical Data				
Power Source	Φ, V, Hz		1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Compressor Type			Twin BLDC Rotary	Twin BLDC Rotary
Power Consumption	Cooling	kW	1.97	2.75
	Heating	kW	2.13	2.82
Operating Current	Cooling	A	8.9	12.2
	Heating	A	9.5	12.8
Dimensions				
Net Dimensions (W x H x D)	mm		880 x 798 x 310	940 x 998 x 330
Net Weight	kg		57.5	76.5
Refrigerant				
Refrigerant	Type		R32 (contains fluorinated greenhouse gases. GWP = 675)	
Factory Charging	kg		2.00	2.70
	Chargeless Piping Length	m	40.0	40.0
	Charging Ton equivalent CO ₂	tCO ₂ e	1.35	1.82
	Additional Refrigerant Charging	g/m	10	10
Piping Connections	Liquid Pipe	ø, inch	1/4 x 4	1/4 x 5
	Gas Pipe	ø, inch	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 3
Piping Length	Total Piping Length	m	70	75
	Min/Max	m	3/25	3/25
Piping Height	Max Height (ID-ID)	m	7.5	7.5
	Max Height (OD-ID)	m	15	15

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

Specifications

Wind-Free™ Comfort R32

- Three-step cooling: Fast Cooling mode, Dehumidification mode and Wind-Free™ Cooling mode.
- AI Auto Comfort.
- Wi-Fi Control with Samsung SmartThings and Bixby voice controls.



Indoor Unit			AR07TXCAWKNEU	AR09TXCAWKNEU	AR12TXCAWKNEU	AR18TXCAWKNEU
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						
Moisture Removal		l/h	TBA	1.0	1.5	2.0
Airflow Rate		m ³ /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	TBA
	Heating	W	30	30	30	TBA
Current Input	Cooling	A	0.3	0.3	0.3	TBA
	Heating	A	0.3	0.3	0.3	TBA
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	Wind-Free™ 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			●	●	●	●

AR24TXCAWKNEU			
Capacity			
Capacity	Cooling	kW	6.5
	Heating @ +7 °C	kW	7.4
Performance			
Moisture Removal		l/h	2.5
Airflow Rate		m ³ /min	18.6
Sound Power	Cooling	dB(A)	TBA
Sound Pressure	H/L	dB(A)	TBA
Electrical Data			
Power Source		Φ, V, Hz	1Φ, 220-240 V, 50 Hz
Power Consumption	Cooling	W	TBA
	Heating	W	TBA
Current Input	Cooling	A	TBA
	Heating	A	TBA
Dimensions			
Net Dimensions (W x H x D)		mm	1,055 x 299 x 215
Net Weight		kg	12.2
Refrigerant			
Piping Connections	Liquid Pipe	ø, inch	1/4
	Gas Pipe	ø, inch	5/8
Piping Connections	Drain Pipe	ø, mm	ID 16
Functions			
Airflow	Wind-Free™ Cooling		●
	Air Direction Control (Up/Down)		Auto
	Air Direction Control (Left/Right)		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			●

Accessory



Wireless Remote Controller (included)