

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	387
	Pdesignc	kW	7.3	8.8
	EER	W/W	4.06	3.64
Energy Efficiency Heating	SCOP ¹	W/W	4.10	4.32
	Power Consumption	kWh/a	2,009	2,564
	Pdesignh (average)	kW	5.9	7.9
	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
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

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.