

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, fin 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					
	m³/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
	Number of Fans	-	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 Φ, inch	1/4 x 2	1/4 x 2	1/4 x 3	1/4 x 3
	Gas Pipe Φ, inch	3/8 x 2	3/8 x 2	3/8 x 2 + 1/2	3/8 x 2 + 1/2
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	9.5	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	7.5	TBA		
	EER W/W	4.06	3.64		
Energy Efficiency Heating	SCOP ¹ W/W	2,009	TBA		
	Power Consumption kWh/a	5.9	TBA		
	Pdesignh (average) kW	4.37	4.26		
	COP ¹ W/W	47.5	75.0		
Airflow Rate	m³/min	64	70		
Sound Power	dB(A)	48	54		
Sound Pressure	Cooling dB(A)	50	56		
	Heating dB(A)	Propeller Fan	Propeller Fan		
Fan	Type	Front (horizontal)	Front (horizontal)		
	Discharge direction	Front (horizontal)	Front (horizontal)		
	Power	W	125		
	Number of Fans	-	1		
Operating Temperature Range	Cooling °C	-5.0~46.0	-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	1.25	1.25		
	Heating kW	1.32	1.32		
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	2.75		
	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 Φ, inch	1/4 x 4	1/4 x 5		
	Gas Pipe Φ, 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 A+++ to E.