



Multi Split

Compatibility guide

FJM 2020 NASA



Model			Wind-Free™ Elite					Wind-Free™ Avant					Wind-Free™ Comfort				
Indoor unit model code			AR07TXCAAWKNEU/09/12					AR07TXEAAWKNEU/09/12					AR07TXFCAWKNEU/09/12/18/24				
Refrigerant type	Outdoor unit model code	Capacity (kW)	2.0	2.5	3.5	2.0	2.5	3.5	5.2	6.8	2.0	2.5	3.5	5.2	6.8		
R32 NASA	AJ040TXJ2KG/EU	4.0	•	•	•	•	•	•			•	•	•				
	AJ050TXJ2KG/EU	5.0	•	•	•	•	•	•	•		•	•	•	•			
	AJ052TXJ3KG/EU	5.2	•	•	•	•	•	•	•		•	•	•	•			
	AJ068TXJ3KG/EU	6.8	•	•	•	•	•	•	•		•	•	•	•			
	AJ080TXJ4KG/EU	8.0	•	•	•	•	•	•	•	•	•	•	•	•	•		
	AJ100TXJ5KG/EU	10.0	•	•	•	•	•	•	•	•	•	•	•	•	•		

Other FJM NASA



Model			Wind-Free™ Mini 4-Way Cassette					Wind-Free™ 1-Way		Slim Duct			Console		
Indoor unit model code			AJ016TNNDKG/EU/20/26/35/52					AJ026TN1DKG/EU/35		AJ026TNLDEG/EU/35/52			AJ026TNJDKG/EU/35/52		
Refrigerant type	Outdoor unit model code	Capacity (kW)	1.6	2.0	2.6	3.5	5.2	2.6	3.5	2.6	3.5	5.2	2.6	3.5	5.2
R32 NASA	AJ040TXJ2KG/EU	4.0						•	•				•	•	
	AJ050TXJ2KG/EU	5.0	•	•	•	•		•	•	•	•		•	•	•
	AJ052TXJ3KG/EU	5.2	•	•	•	•		•	•	•	•		•	•	•
	AJ068TXJ3KG/EU	6.8	•	•	•	•	•	•	•	•	•	•			
	AJ080TXJ4KG/EU	8.0	•	•	•	•	•	•	•	•	•	•			
	AJ100TXJ5KG/EU	10.0	•	•	•	•	•	•	•	•	•	•			

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Cebu AR07TXFYAWKNEU/09/12/18/24					Luzon AR07TXHZAWKNEU/09/12/18/24				
2.0	2.5	3.5	5.2	6.8	2.0	2.5	3.5	5.2	6.8
•	•	•			•	•	•		
•	•	•	•		•	•	•	•	
•	•	•	•		•	•	•	•	
•	•	•	•		•	•	•	•	
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•

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



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