

2. Specification

2-1. Outdoor units

Type				Free Joint Multi	Free Joint Multi
Model Name				AJ040NCJ2EG/EU	AJ050NCJ2EG/EU
Power Supply			Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode			-	HP	HP
Performance	Capacity	Cooling	kW	4.0	5.0
			Btu/h	13,600	17,100
		Heating	kW	4.2	5.6
			Btu/h	14,300	19,100
Maximum number of connectable Indoor Units			EA	2	2
Power	Power Input	Cooling	kW	0.90	1.22
		Heating		0.90	1.28
	Current Input	Cooling	A	4.10	5.60
		Heating		4.10	5.90
	Current	MCA	A	9.80	11.80
		MFA		11.25	13.75
Efficiency	EER	Cooling	W/W	4.44	4.10
	COP	Heating	W/W	4.67	4.38
	SEER (Grade)		W/W	8.54 (A+++)	8.54 (A+++)
	SCOP (Grade)		W/W	4.64 (A++)	4.64 (A++)
Casing	Material	Body	-	GI steel plate	GI steel plate
		Base	-	GI steel plate	GI steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Type		-	Twin BLDC Rotary Inverter	Twin BLDC Rotary Inverter
	Output		kW x n	4.09 x 1	4.09 x 1
	Model Name		-	KTN130D42UFR	KTN130D42UFR
	Oil	Type	-	ESTER OIL VG74	ESTER OIL VG74
		Initial Charge	cc	350	350
Fan	Type		-	Propeller Fan	Propeller Fan
	Discharge direction		-	Front (Horizontal)	Front (Horizontal)
	Quantity		EA	1	1
	Air Flow Rate		m ³ /min	29.7	33.05
			l/s	494	551
	External Static Pressure	Max.	mmAq	-	-
Pa			-	-	
Fan Motor	Model		-	BLDC	BLDC
	Output x n		W	40 x 1	40 x 1

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Type			Free Joint Multi	Free Joint Multi	
Model Name			AJ040NCJ2EG/EU	AJ050NCJ2EG/EU	
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm x EA	6.35 x 2	6.35 x 2
			Φ, inch x EA	1/4" x 2	1/4" x 2
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm x EA	9.52 x 2	9.52 x 2
			Φ, inch x EA	3/8" x 2	3/8" x 2
	Heat insulation			Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Installation Limitation	Total Piping Length	m	30	30
		Max. Length (OD~ID)	m	25	25
Max. Height (ID~ID)		m	7.5	7.5	
Max. Height (OD~ID)		m	15.0	15.0	
Wiring connections	Communication	Min.	mm ²	0.75	0.75
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32
	Factory Charging		kg	0.98	1.18
			tCO2e	0.66	0.80
Sound	Sound Pressure	Cooling	dB(A)	45	46
		Heating		46	47
	Sound Power			60	61
External Dimension	Net Weight		kg	32.0	33.0
	Shipping Weight		kg	34.0	35.0
	Net Dimensions (WxHxD)		mm	790 × 548 × 285	790 × 548 × 285
	Shipping Dimensions (WxHxD)		mm	913 × 622 × 371	913 × 622 × 371
Operating Temp. Range	Cooling		°C	-5 ~ 46	-5 ~ 46
	Heating		°C	-15 ~ 24	-15 ~ 24

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - Cooling : Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, 24°C WB
 - Heating : Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
- 2)* Select wire size based on the value of MCA
- 3)* Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20uPa
- 4)* Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW
 - Measured according to ISO 3741
- 5)* These products contain R32 (GWP=675) which is fluorinated greenhouse gas.