

## 2. Specification

### 2-1. Outdoor units

Type				Free Joint Multi	Free Joint Multi
Model Name				AJ052RCJ3EG/EU	AJ068RCJ3EG/EU
Power Supply			Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode				HP	HP
Performance	Capacity	Cooling	kW	5.2	6.8
			Btu/h	17,700	23,200
		Heating	kW	6.3	8.0
			Btu/h	21,500	27,300
Maximum number of connectable Indoor Units			EA	3	3
Power	Power Input	Cooling	kW	1.25	1.80
		Heating		1.32	1.81
	Current Input	Cooling	A	5.50	8.10
		Heating		6.10	8.20
	Current	MCA	A	11.90	17.50
		MFA		13.75	20.75
Efficiency	EER	Cooling	W/W	4.16	3.78
	COP	Heating	W/W	4.77	4.42
	SEER (Grade)		W/W	8.51 (A+++)	7.75 (A++)
	SCOP (Grade)		W/W	4.60 (A++)	4.32 (A+)
Casing	Material	Body	-	GI steel plate	GI steel plate
		Base	-	GL steel plate	GL 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	Twin BLDC Rotary
	Output		kW x n	4.68 x 1	7.65 x 1
	Model Name		-	KTN150D42UFR	KTF235D22UMV
	Oil	Type	-	ESTER OIL VG74	ESTER OIL VG74
		Initial Charge	cc	450	670
Fan	Type		-	Propeller Fan	Propeller Fan
	Discharge direction		-	Front (Horizontal)	Front (Horizontal)
	Quantity		EA	1	1
	Air Flow Rate		m <sup>3</sup> /min	38.0	47.5
			l/s	633	792
	External Static Pressure	Max.	mmAq	-	-
Pa			-	-	
Fan Motor	Model		-	BLDC	BLDC
	Output x n		W	125 x 1	125 x 1

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Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm x EA	6.35 x 3	6.35 x 3
			Φ, inch x EA	1/4 x 3	1/4 x 3
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm x EA	9.52 x 2 + 12.70	9.52 + 12.70 x 2
			Φ, inch x EA	3/8 x 2 + 1/2	3/8 + 1/2 x 2
	Heat insulation		-	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Installation Limitation	Total Piping Length	m	50	50
Max. Length (OD~ID)		m	25	25	
Max. Height (ID~ID)		m	7.5	7.5	
Max. Height (OD~ID)		m	15	15	
Wiring connections	Communication	Min.	mm <sup>2</sup>	0.75	0.75
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32
	Factory Charging		kg	1.55	2.00
			tCO <sub>2</sub> e	1.05	1.35
Sound	Sound Pressure	Cooling	dB(A)	46	48
		Heating		48	50
	Sound Power			61	64
External Dimension	Net Weight		kg	44.5	57.5
	Shipping Weight		kg	47.5	61.5
	Net Dimensions (WxHxD)		mm	880 x 638 x 310	880 x 798 x 310
	Shipping Dimensions (WxHxD)		mm	1,023 x 742 x 413	1,023 x 896 x 413
Operating Temp. Range	Cooling		°C	-10 ~ 46	-10 ~ 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.