

# 1 Specifications

## 1-1. Outdoor units



Model Name				AJ040FCJ2EH/EU	AJ050FCJ2EH/EU	AJ052FCJ3EH/EU	AJ068FCJ3EH/EU	
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode				HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP		1.5	1.8	2.0	2.5	
	Capacity (Nominal)	Cooling <sup>1)</sup>	kW	4.0	5.0	5.2	6.8	
			Btu/h	13,600	17,100	17,700	23,200	
		Heating <sup>2)</sup>	kW	4.4	5.7	6.3	8.0	
Btu/h			15,000	19,400	21,500	27,300		
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	1.02	1.32	1.35	2.00	
		Heating <sup>2)</sup>		0.99	1.35	1.40	1.91	
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	4.7	6.0	6.2	9.2	
		Heating <sup>2)</sup>		4.5	6.2	6.4	8.7	
	MCA	A		9.8	11.8	12.2	15.5	
	MFA	A		11.25	13.75	13.75	17.50	
Energy Efficiency	Nominal Cooling (EER) <sup>1)</sup>		-	3.92	3.79	3.85	3.40	
	Nominal Heating (COP) <sup>2)</sup>		-	4.44	4.22	4.50	4.19	
Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	
	Output x n		kW	(4.45 x 1)	(4.45 x 1)	(1.79 x 1)	(1.79 x 1)	
	Model Name		-	UG4T150FUDJQ	UG4T150FUDJQ	UG4T200FUAE4	UG4T200FUAE4	
	Oil	Type	-	POE	POE	POE	POE	
Initial Charge		cc	650	650	650	650		
Fan	Type		-	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	
	Output x n		W	35 x 1	35 x 1	45 x 1	124 x 1	
	Air Flow Rate		CMM	30	33	38	48	
			l/s	506.67	551.67	633.33	791.67	
Piping Connections	Liquid Pipe		Φ, mm x EA	6.35 x 2	6.35 x 2	6.35 x 3	6.35 x 3	
			Φ, inch x EA	1/4" x 2	1/4" x 2	1/4" x 3	1/4" x 3	
	Gas Pipe		Φ, mm x EA	9.52 x 2	9.52 + 12.70	9.52 x 2 + 12.70	9.52 + 12.70 x 2	
			Φ, inch x EA	3/8" x 2	3/8" + 1/2"	3/8" x 2 + 1/2"	3/8" + 1/2" x 2	
	Installation Limitation	Max. Length	Total	m	30	30	50	50
			OD-ID	m	20	20	20	20
Max. Height		OD-ID	m	15	15	15	15	
		ID-ID	m	7.5	7.5	7.5	7.5	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	
	Factory Charging		kg / tCO <sub>2</sub> e	1.3 / 2.71	1.6 / 3.34	2.2 / 4.59	2.2 / 4.59	
Sound <sup>3)</sup>	Sound Pressure		dB(A)	45	46	46	48	
	Sound Power			61	61	61	63	
External Dimension	Net Weight		kg	37	40	49	57	
	Shipping Weight		kg	40	43	53	61	
	Net Dimensions (WxHxD)		mm	790 x 545 x 285	790 x 545 x 285	880 x 638 x 310	880 x 798 x 310	
	Shipping Dimensions (WxHxD)		mm	926 x 599 x 382	926 x 599 x 382	1,053 x 695 x 413	1,023 x 889 x 413	
Operating Temp. Range	Cooling		°C	-5 ~ 46	-5 ~ 46	-5 ~ 46	-5 ~ 46	
	Heating		°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	

\* All figures comply with EN14511

1) Nominal cooling capacities are based on:

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 5m(4/5kW), 7.5m(5.2/6kW), Level differences : 0m

2) Nominal heating capacities are based on:

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m(4/5kW), 7.5m(5.2/6kW), Level differences : 0m

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.

※ Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

# 1 Specifications

## 1-1. Outdoor units



Model Name				AJ070FCJ4EH/EU	AJ080FCJ4EH/EU	AJ100FCJ5EH/EU	
Power Supply		Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode		-		HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		HP	2.5	3.0	3.5	
	Capacity (Nominal)	Cooling <sup>1)</sup>	kW	7.0	8.0	10.0	
			Btu/h	23,900	27,300	34,100	
		Heating <sup>2)</sup>	kW	8.6	9.3	12.0	
Btu/h			29,300	31,700	40,900		
Power	Power Input (Nominal)	Cooling <sup>1)</sup>	kW	1.90	2.30	2.90	
		Heating <sup>2)</sup>		2.00	2.20	2.93	
	Current Input (Nominal)	Cooling <sup>1)</sup>	A	8.7	10.5	13.3	
		Heating <sup>2)</sup>		9.2	10.1	13.4	
	MCA		A	18.7	18.7	26.2	
	MFA		A	20.75	20.75	28.80	
Energy Efficiency	Nominal Cooling (EER) <sup>1)</sup>		-	3.68	3.48	3.45	
	Nominal Heating (COP) <sup>2)</sup>		-	4.30	4.23	4.10	
Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	
	Output x n		kW	(7.77 x 1)	(7.77 x 1)	(11.37 x 1)	
	Model Name		-	G8T260FUA EW	G8T260FUA EW	UG8T300FUBJU	
	Oil	Type	-	POE	POE	POE	
Initial Charge		cc	700	700	1200		
Fan	Type		-	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	
	Output x n		W	124 x 1	124 x 1	150 x 1	
	Air Flow Rate		CMM	46	47	71	
			l/s	770.00	781.67	1176.67	
Piping Connections	Liquid Pipe		Φ, mm x EA	6.35 x 4	6.35 x 4	6.35 x 5	
			Φ, inch x EA	1/4" x 4	1/4" x 4	1/4" x 5	
	Gas Pipe		Φ, mm x EA	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 3	
			Φ, inch x EA	3/8" x 2 + 1/2" x 2	3/8" x 2 + 1/2" x 2	3/8" x 2 + 1/2" x 3	
	Installation Limitation	Max. Length	Total	m	70	70	80
			OD-ID	m	25	25	25
Max. Height		OD-ID	m	15	15	15	
		ID-ID	m	7.5	7.5	7.5	
Refrigerant	Type		-	R410A	R410A	R410A	
	Factory Charging		kg / tCO <sub>2</sub> e	2.8 / 5.85	2.8 / 5.85	3.3 / 6.89	
Sound <sup>3)</sup>	Sound Pressure		dB(A)	48	49	54	
	Sound Power			63	63	70	
External Dimension	Net Weight		kg	65	65	74.5	
	Shipping Weight		kg	70	70	80	
	Net Dimensions (WxHxD)		mm	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330	
	Shipping Dimensions (WxHxD)		mm	1,023 x 889 x 413	1,023 x 889 x 413	995 x 1,096 x 426	
Operating Temp. Range	Cooling		°C	-5 ~ 46	-5 ~ 46	-10 ~ 46	
	Heating		°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	

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1) Nominal cooling capacities are based on:

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 5m(4/5kW), 7.5m(5.2/6kW), Level differences : 0m

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Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m(4/5kW), 7.5m(5.2/6kW), Level differences : 0m

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