

2. Specifications

2-1. Stand-alone

Nominal system capacity			HP	8	10	12
Model name				AJ*072GALDH	AJ*090GALDH	AJ*108GALDH
Power supply			3N 400 V ~ 50 Hz			
Available voltage range			342—456 V			
Capacity	Cooling	Rated	kW	22.4	28.0	33.5
			Btu/h	76,400	95,500	114,300
	Heating	Rated (Nominal)	kW	22.4	28.0	33.5
			Btu/h	76,400	95,500	114,300
		Maximum	kW	25.0	31.5	37.5
			Btu/h	85,300	107,400	127,900
Input power	Cooling	Rated	kW	6.26	9.53	11.89
				Rated (Nominal)	5.37	7.38
	Heating	Maximum	6.25	8.96	11.48	
Current	Cooling	Rated	A	10.5	15.1	18.7
	Heating	Rated (Nominal)		9.3	12.1	14.7
Power factor	Cooling			86	91	92
	Heating			83	88	90
EER	Cooling			3.57	2.93	2.81
COP	Heating	Rated (Nominal)	W/W	4.17	3.79	3.65
		Maximum		4.00	3.51	3.26
Fan	Airflow rate	Cooling	Rated	9,000 (2,500)		10,200/11,100 (2,833/3,084)
				Heating	HIGH	
		External static pressure (Max.)				Pa
		Type × Q'ty		Propeller fan × 1		
	Motor		DC motor × 1			
	Motor output		W		750	
Sound pressure level*	Cooling	dB (A)		56	58	59
	Heating			58	59	63
Sound power level	Cooling	dB (A)		77	78	79
	Heating			79	79	82
Heat exchanger type	Length		mm	1,760		
	Fin pitch			1.45		
	Rows × Stages		3 × 60			
	Face area		m ²	2.2		
	Pipe type (Material)		Grooved H-pin (Copper)			
	Fin		Type	Corrugate (Aluminum)		
		Surface treatment	Corrosion resistance (Blue fin)			
Compressor	Type × Q'ty		Rotary (inv) × 1			
	Displacement		cm ³	65.3		
	Motor output		kW	7.5		
	Crankcase heater		W	35 × 2		
Refrigerant	Type (Global Warming Potential)		R410A (2088)			
	Charge		kg	11.8		
Refrigerant oil	Type		POE			
	Amount		cm ³	3,000		
Enclosure	Material		Painted galvanized steel			
	Color		Beige Approximate color of Munsell 10YR 7.5/1.0NN			
Dimensions (H × W × D)	Net		mm	1,690 × 930 × 765		
	Gross			1,811 × 1,002 × 847		
Weight	Net		kg	262		
	Gross			285		
Connection pipe	Pipe diameter	Liquid	mm (in)	Ø 12.70 (Ø 1/2)		
		Discharge gas		Ø 15.88 (Ø 5/8)	Ø 19.05 (Ø 3/4)	
		Suction gas		Ø 22.22 (Ø 7/8)		Ø 28.58 (Ø 1-1/8)
	Method	Liquid	Brazing			
		Discharge gas	Brazing			
		Suction gas	Brazing			
Max. length		m	165			
Max. height difference			50/40 (Outdoor unit: Higher/Lower)			
Operation temperature range	Cooling		°CDB	-10 to 46		
	Heating			-20 to 21		
	Cooling/Heating simultaneous			-10 to 21		
Defrost method			Reversed cycle			
Compressor capacity control (Steps/Range)			951 steps/20 to 115 rps			
Connectable indoor units number		Maximum		17	21	26
		Minimum			2	
NOTES:						
<ul style="list-style-type: none"> Specifications are based on the following conditions: <ul style="list-style-type: none"> – Cooling: Indoor temperature of 27 °CDB/19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB. – Heating: Indoor temperature of 20 °CDB/15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB. – Pipe length: 7.5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.) This data is based on following standard: EN14511, EN12102. Protective function might work when using it outside the operation range. *: Sound pressure level: <ul style="list-style-type: none"> – Measured values in manufacturer's anechoic chamber. – Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here. 						