

2. Specifications

2-1. Stand-alone

Nominal system capacity				HP	8	10	
Model name					AJ*072LALDH	AJ*090LALDH	
Power supply					3N 400 V ~ 50 Hz		
Available voltage range					342—456 V		
Capacity	Cooling			kW	22.4	28.0	
				Btu/h	76,400	95,500	
	Heating		Rated (Nominal)	kW	22.4	28.0	
				Btu/h	76,400	95,500	
			Maximum	kW	25.0	31.5	
				Btu/h	85,300	107,400	
Input power	Cooling		kW		5.95	9.06	
	Heating			Rated (Nominal)	5.42	7.44	
				Maximum	6.26	8.98	
Current	Cooling		A		10.0	14.5	
	Heating			Rated (Nominal)	9.4	12.3	
Power factor	Cooling		%		86	90	
	Heating			Rated (Nominal)	83	87	
EER	Cooling				3.76	3.09	
COP	Heating		W/W		4.13	3.76	
				Maximum	3.99	3.50	
Fan	Airflow rate	Cooling	m ³ /h (l/s)	9,000 (2,500)			
		Heating					
		Cooling		11,100 (3,084)			
		Heating					
	External static pressure (Max.)			Pa	82		
	Type × Q'ty				Propeller fan × 1		
	Motor		Type × Q'ty		DC motor × 1		
		Motor output	W	750			
Sound pressure level*	Cooling		dB (A)	58			
	Heating			59	60		
Sound power level	Cooling		dB (A)	79			
	Heating			80	81		
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 (Material)	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	11.7			
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	252			
	Gross			273			
Connection pipe	Pipe diameter	Liquid	mm (in)	Ø 12.70 (Ø 1/2)			
		Gas		Ø 22.22 (Ø 7/8)			
	Method	Liquid	Brazing				
		Gas	Brazing				
	Max. length			165			
	Max. height difference	Outdoor unit position	Higher than I.U.	m	110 (with Pressure sensor kit)		
Lower than I.U.			50 (without Pressure sensor kit)				
				40			
Operation temperature range	Cooling		°CDB	-15 to 46			
	Heating			-20 to 21			
Defrost method				Reversed cycle			
Compressor capacity control (Steps/Range)				rps	1001 steps/15 to 115		
Connectable indoor units	Connectable number		Maximum	17	21		
			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. 							