

Nominal system capacity				HP	12	14	16	
Model name					AJ*108LALDH	AJ*126LALDH	AJ*144LALDH	
Power supply					3N 400 V ~ 50 Hz			
Available voltage range					342—456 V			
Capacity	Cooling			kW	33.5	40.0	45.0	
				Btu/h	114,300	136,400	153,500	
	Heating		Rated (Nominal)	kW	33.5	40.0	45.0	
				Btu/h	114,300	136,400	153,500	
			Maximum	kW	37.5	45.0	48.0	
				Btu/h	127,900	153,500	163,700	
Input power	Cooling		kW		9.54	13.18	16.74	
	Heating			Rated (Nominal)	7.76	11.74	13.76	
				Maximum	9.48	14.00	15.02	
Current	Cooling		A		15.5	20.7	26.3	
	Heating			Rated (Nominal)	12.9	18.6	21.6	
Power factor	Cooling		%		89	92		
	Heating			Rated (Nominal)	87	91	92	
EER	Cooling				3.51	3.03	2.68	
COP	Heating		W/W		4.31	3.41	3.27	
				Rated (Nominal)				
				Maximum	3.95	3.21	3.19	
Fan	Airflow rate	Cooling	m ³ /h (l/s)		11,600 (3,222)	13,000 (3,611)	13,700 (3,806)	
		Heating						
		Cooling						
		Heating		HIGH	13,000 (3,611)	13,000 (3,611)	13,700 (3,806)	
	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	62	63	
	Heating				60	64	65	
Sound power level	Cooling		dB (A)		81	84	86	
	Heating				83	85	87	
Heat exchanger type	Length		mm		2,070			
	Fin pitch				1.45			
	Rows × Stages				3 × 60			
	Face area			m ²		2.6		
	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	79.2			
	Motor output			kW	11.0			
	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 × 1,240 × 765			
	Gross				1,811 × 1,312 × 847			
Weight	Net		kg		275			
	Gross				299			
Connection pipe	Pipe diameter	Liquid	mm (in)		Ø 12.70 (Ø 1/2)			
		Gas			Ø 28.58 (Ø 1-1/8)			
	Method	Liquid		Brazing				
		Gas		Brazing				
	Max. length				165			
	Max. height difference	Outdoor unit position	Higher than I.U.	m		110 (with Pressure sensor kit) 50 (without Pressure sensor kit)		
Lower than I.U.					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 number	Connectable number			Maximum	26	30	34	
				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. 								