

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	Rated (Nominal)	4.31	3.41	3.27		
				Maximum	3.95	3.21	3.19		
	Fan								
Airflow rate	Cooling		m <sup>3</sup> /h (l/s)	Rated	11,600 (3,222)	13,000 (3,611)	13,700 (3,806)		
				Heating					
				Cooling		HIGH	13,000 (3,611)	13,000 (3,611)	13,700 (3,806)
				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	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 <sup>2</sup>	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 <sup>3</sup>	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 <sup>3</sup>	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					
<b>NOTES:</b>									
<ul style="list-style-type: none"> <li>• Specifications are based on the following conditions: <ul style="list-style-type: none"> <li>– Cooling: Indoor temperature of 27 °CDB/19 °CWB, and outdoor temperature of 35 °CDB/24 °CWB.</li> <li>– Heating: Indoor temperature of 20 °CDB/15 °CWB, and outdoor temperature of 7 °CDB/6 °CWB.</li> <li>– Pipe length: 7.5 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)</li> </ul> </li> <li>• This data is based on following standard: EN14511, EN12102.</li> <li>• Protective function might work when using it outside the operation range.</li> <li>• *: Sound pressure level: <ul style="list-style-type: none"> <li>– Measured values in manufacturer's anechoic chamber.</li> <li>– Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li> </ul> </li> </ul>									