

2. Specifications

2-1. Stand-alone

Nominal system capacity			HP	4	5	6	
Model name				AJ*040LCLBH	AJ*045LCLBH	AJ*054LCLBH	
Power supply				230 V ~ 50 Hz			
Available voltage range				198—264 V			
Capacity	Cooling	Rated	kW	12.1	14.0	15.1	
			Btu/h	41,200	47,700	51,500	
		Heating	Rated (Nominal)	kW	12.1	14.0	15.1
	Btu/h			41,200	47,700	51,500	
	Maximum		kW	13.6	16.0	16.5	
				Btu/h	46,400	45,500	56,200
Input power	Cooling	Rated	kW	3.44	4.43	5.03	
				Btu/h	11,700	15,100	17,200
	Heating	Rated (Nominal)	kW	2.55	3.11	3.52	
Btu/h			8,700	10,600	12,100		
		Maximum	kW	3.27	3.93	4.11	
			Btu/h	11,200	13,600	15.3	
Current	Cooling	Rated	A	15.1	19.5	22.1	
	Heating	Rated (Nominal)	A	11.2	13.6	15.3	
Power factor	Cooling			99			
	Heating			99			
EER	Cooling			3.52	3.16	3.00	
COP	Heating	Rated (Nominal)	W/W	4.74	4.51	4.30	
		Maximum	W/W	4.16	4.07	4.01	
Fan	Airflow rate	Cooling	HIGH	m ³ /h (l/s)	4,040 (1,122)		4,200 (1,167)
		Heating			4,040 (1,122)		4,200 (1,167)
	External static pressure (Max.)				Pa		
	Type × Q'ty				Propeller fan × 1		
	Motor	Type × Q'ty				DC motor × 1	
Sound pressure level*	Cooling			dB (A)	51	53	54
	Heating			dB (A)	54	56	56
Sound power level	Cooling			dB (A)	67	69	70
	Heating			dB (A)	68	69	70
Heat exchanger type	Length				mm		
	Fin pitch				mm		
	Rows × Stages				3 × 46		
	Face area				m ²		
	Pipe type (Material)				Grooved H-pin (Copper)		
	Fin		Type		Corrugate (Aluminum)		
Compressor	Type × Q'ty				Rotary (inv) × 1		
	Displacement				cm ³		
	Motor output				kW		
	Crankcase heater				W		
	Type (Global Warming Potential)				R410A (2088)		
Refrigerant	Charge				kg		
	Type				POE		
Refrigerant oil	Amount				cm ³		
	Material				Painted galvanized steel		
Enclosure	Color				Beige		
	Approximate color of Munsell 10YR 7.5/1.0NN						
Dimensions (H × W × D)	Net				mm		
	Gross				mm		
Weight	Net				86		87
	Gross				97		98
Connection pipe	Pipe diameter	Liquid	mm (in)	Ø 9.52 (Ø 3/8)			
		Suction gas		Ø 15.88 (Ø 5/8)			
	Method	Liquid			Flare		
		Suction gas			Flare		
	Max. length				m		
Max. height difference				30/30 (Outdoor unit: Higher/Lower)			
Operation temperature range	Cooling				°CDB		
	Heating				°CDB		
Defrost method					Reversed cycle		
Compressor capacity control (Steps/Range)					91 steps/20 to 110 rps		
Connectable indoor units number	Maximum				11	12	13
	Minimum				1		

NOTES:

- Specifications are based on the following conditions:
 - 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:
 - 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.