

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	12,000			
		Maximum	kW	3.27	3.93	4.11		
			Btu/h	11,200	13,600	14,100		
Current	Cooling	Rated	A	15.1	19.5	22.1		
	Heating	Rated (Nominal)	A	11.2	13.6	15.3		
Power factor	Cooling		%	99	99	99		
	Heating		%	99	99	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)	4,200 (1,167)	
		Heating						
	External static pressure (Max.)			Pa	25			
	Type × Q'ty				Propeller fan × 1			
	Motor	Type × Q'ty				DC motor × 1		
		Motor output		W	111			
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	922				
	Fin pitch			mm	1.45			
	Rows × Stages			3 × 46				
	Face area		m ²	0.9				
	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	29.8				
	Motor output		kW	2.1				
	Crankcase heater		W	21				
Refrigerant	Type (Global Warming Potential)			R410A (2088)				
	Charge		kg	4.0				
Refrigerant oil	Type			POE				
	Amount		cm ³	1,150				
Enclosure	Material			Painted galvanized steel				
	Color			Beige Approximate color of Munsell 10YR 7.5/1.0NN				
Dimensions (H × W × D)	Net		mm	998 × 970 × 370				
	Gross			mm	1,132 × 1,064 × 478			
Weight	Net		kg	86		87		
	Gross			kg	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	80				
	Max. height difference			30/30 (Outdoor unit: Higher/Lower)				
Operation temperature range	Cooling	°CDB	-5 to 46					
	Heating		-20 to 21					
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.