

2. Specifications

2-1. Stand-alone

				1 Phase model			
Nominal system capacity				HP	4	5	6
Model name					AJ*040LBLBH	AJ*045LBLBH	AJ*054LBLBH
Power supply				230 V ~ 50 Hz			
Available voltage range				198—264 V			
Capacity	Cooling	Rated	kW	12.1	14.0	15.5	
			Btu/h	41,200	47,700	52,800	
		Heating	Rated (Nominal)	kW	12.1	14.0	15.5
	Btu/h			41,200	47,700	52,800	
	Maximum		kW	13.6	16.0	18.0	
				Btu/h	46,400	54,500	61,400
Input power	Cooling	Rated	kW	2.90	3.57	4.18	
				2.39	2.97	3.50	
	Heating	Rated (Nominal)	Maximum	2.80	3.55	4.26	
12.7				15.7	18.4		
Current	Heating	Rated (Nominal)	A	10.8	13.0	16.1	
Power factor	Cooling		%	99	99	99	
	Heating						
EER	Cooling			4.17	3.92	3.71	
COP	Heating	Rated (Nominal)	W/W	5.06	4.71	4.43	
			Maximum	4.86	4.51	4.23	
Fan	Airflow rate	Cooling	HIGH	m ³ /h (l/s)	6,200 (1,722)	6,400 (1,778)	6,900 (1,917)
					Heating		
	External static pressure (Max.)			Pa	30		
	Type × Q'ty				Propeller fan × 2		
	Motor	Type × Q'ty			DC motor × 2		
		Motor output			W		
Sound pressure level*	Cooling		dB (A)	50	51	53	
				Heating	52	55	56
Sound power level	Cooling		dB (A)	65		66	
				Heating	67		69
Heat exchanger type	Length		mm	935			
				Fin pitch	1.45		
	Rows × Stages			3 × 62			
	Face area			m ²	1.22	1.20	
	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	42.3		
	Motor output			kW	3.75		
	Crankcase heater			W	25		
Refrigerant	Type (Global Warming Potential)			R410A (2088)			
	Charge			kg	4.8	5.3	
Refrigerant oil	Type			VG74			
	Amount			cm ³	1,550		
Enclosure	Material			Painted galvanized steel			
	Color			Beige			
				Approximate color of Munsell 10YR 7.5/1.0NN			
Dimensions (H × W × D)	Net			mm			
	Gross			mm			
Weight	Net			kg		119	
	Gross			kg		131	
Connection pipe	Pipe diameter	Liquid	mm (in)	Ø 9.52 (Ø 3/8)			
				Suction gas	Ø 15.88 (Ø 5/8)		Ø 19.05 (Ø 3/4)
	Method	Liquid	Flare				
			Suction gas	Flare			
	Max. length			m			
	Max. height difference			50/40 (Outdoor unit: Higher/Lower)			
Operation temperature range	Cooling			°CDB			
	Heating			°CDB			
Defrost method				Reversed cycle			
Compressor capacity control (Steps/Range)				81 steps/20 to 100 rps			
Connectable indoor units number	Maximum			11	12	14	
	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.