

## 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	
			Btu/h	9,840	12,200	14,200	
	Heating	Rated (Nominal)	kW	2.39	2.97	3.50	
Btu/h			8,150	10,200	11,900		
		Maximum	kW	2.80	3.55	4.26	
			Btu/h	9,500	12,100	14,400	
Current	Cooling	Rated	A	12.7	15.7	18.4	
	Heating	Rated (Nominal)	A	10.8	13.0	16.1	
Power factor	Cooling			99			
	Heating			99			
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 <sup>3</sup> /h (l/s)	6,200 (1,722)		6,400 (1,778)
							6,900 (1,917)
	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			50	51	53	
	Heating			52	55	56	
Sound power level	Cooling			65		66	
	Heating			67	69		
Heat exchanger type	Length			935			
	Fin pitch			1.45			
	Rows × Stages			3 × 62			
	Face area	m <sup>2</sup>		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 <sup>3</sup>			
	Motor output			kW			
	Crankcase heater			W			
Refrigerant	Type (Global Warming Potential)			R410A (2088)			
	Charge	kg		4.8	5.3		
Refrigerant oil	Type			VG74			
	Amount	cm <sup>3</sup>		1,550			
Enclosure	Material			Painted galvanized steel			
	Color			Beige			
Dimensions (H × W × D)	Net			1,334 × 970 × 370			
	Gross			1,506 × 1,064 × 478			
Weight	Net			117	119		
	Gross			129	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.