

## 2. Specifications

### 2-1. Stand-alone

Nominal system capacity			HP	4	5	6	
Model name				AJ*040LCLDH	AJ*045LCLDH	AJ*054LCLDH	
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	54,500	56,200
Input power	Cooling	Rated	kW	3.75	4.71	5.55	
				Rated (Nominal)	3.22	3.77	4.33
	Heating	Maximum	kW	3.99	5.04	5.32	
Btu/h							
Current	Cooling	Rated	A	16.5	20.7	24.4	
	Heating	Rated (Nominal)		14.1	16.6	19.0	
Power factor	Cooling			99			
	Heating			99			
EER	Cooling			3.22	2.97	2.72	
COP	Heating	Rated (Nominal)	W/W	3.75	3.71	3.48	
		Maximum		3.40	3.17	3.10	
Fan	Airflow rate	Cooling	HIGH	m <sup>3</sup> /h (l/s)	4,240 (1,178)		4,400 (1,222)
		Heating					
	External static pressure (Max.)			Pa	25		
	Type × Q'ty				Propeller fan × 1		
	Motor	Type × Q'ty				DC motor × 1	
Sound pressure level*	Cooling			53		54	
	Heating			54	56		
Sound power level	Cooling			67	69	70	
	Heating			68	69	70	
Heat exchanger type	Length				922		
	Fin pitch				1.45		
	Rows × Stages				3 × 46		
	Face area				0.9		
	Pipe type (Material)				Grooved H-pin (Copper)		
	Fin				Corrugate (Aluminum)		
	Surface treatment				Corrosion resistance (Blue fin)		
Compressor	Type × Q'ty				Rotary (inv) × 1		
	Displacement		cm <sup>3</sup>		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 <sup>3</sup>		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				1,162 × 1,064 × 478		
Weight	Net		kg		88		
	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		
	Between outdoor unit and the farthest indoor unit				50		
	Total pipe length				80		
Max. height difference				30/30 (Outdoor unit: Higher/Lower)			
Operation temperature range	Cooling			-5 to 46			
	Heating			-20 to 21			
Defrost method					Reversed cycle		
Compressor capacity control (Steps/Range)					81 steps/20 to 100 rps	91 steps/20 to 110 rps	
Connectable indoor units number	Maximum				11	12	13
	Minimum					1	
<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>							