

2. Specifications

2-1. Stand-alone

Nominal system capacity			HP	4	5	6	
Model name				AJ*040LCDH	AJ*045LCDH	AJ*054LCDH	
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	3.99	5.04	5.32		
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 ³ /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		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				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		m		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		
NOTES:							
<ul style="list-style-type: none"> • Specifications are based on the following conditions: <ul style="list-style-type: none"> – 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: <ul style="list-style-type: none"> – 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. 							