

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 ³ /h (l/s)	4,240 (1,178)		4,400 (1,222)	
		Heating						
	External static pressure (Max.)				Pa			
	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		70		
	Heating			68		70		
Heat exchanger type	Length				mm			
	Fin pitch				1.45			
	Rows × Stages				3 × 46			
	Face area				m ²			
	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			
	Motor output				kW			
	Crankcase heater				W			
Refrigerant	Type (Global Warming Potential)				R410A (2088)			
	Charge				kg			
Refrigerant oil	Type				POE			
	Amount				cm ³			
Enclosure	Material				Painted galvanized steel			
	Color				Beige			
Dimensions (H × W × D)	Net				mm			
	Gross				998 × 970 × 370			
Weight	Net				kg			
	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			
	Total pipe length				80			
Max. height difference				30/30 (Outdoor unit: Higher/Lower)				
Operation temperature range	Cooling			°CDB				
	Heating			-5 to 46		-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. 								