

1. SPECIFICATIONS

1-1. SPACE SAVING COMBINATION

Nominal system capacity			HP	8	10	12	
Model name				AJ*072LALBH	AJ*090LALBH	AJ*108LALBH	
Power source				3 Phase ~ 400 V, 50Hz			
Available voltage range				342 to 456 V			
Capacity	Cooling	kW		22.4	28.0	33.5	
	Heating			25.0	31.5	37.5	
Input power	Cooling	kW		5.20	7.28	8.96	
	Heating			5.17	7.25	8.65	
Current *1	Cooling	Rated	A	9.2	12.0	15.0	
	Heating			9.2	12.2	14.6	
EER	Cooling	W / W		4.31	3.85	3.74	
COP	Heating			4.84	4.35	4.34	
Fan	Type x Quantity			Propeller fan x 1			
	Airflow rate	High	m ³ / h (l / s)	11,100 (3,084)		13,000 (3,611)	
	External static pressure (Max)		Pa	82			
	Motor	Type x Quantity			DC motor x 1		
		Output		W	750		
Sound pressure level	Cooling	dB(A)		56	58	57	
	Heating			58	59	60	
Heat exchanger	Length	mm		1,760		2,070	
	Fin pitch			1.45			
	Rows x Stages			3 x 60			
	Face area		m ²	2.2		2.6	
	Pipe type (Material)			Grooved H-pin (Copper)			
	Fin	Type (Material)		Corrugate (Aluminium)			
Surface treatment		Corrosion resistance (Blue fin)					
Compressor	Type x Quantity			Rotary(inv) x 1			
	Motor output		kW	7.5		11.0	
	Crankcase heater		W	35 x 2			
Refrigerant	Type			R410A			
	Charge		kg	11.7		11.8	
Refrigerant oil	Type			POE			
Enclosure	Material			Painted galvanized steel			
	Colour			Beige (10YR 7.5/1.0NN)			
Dimensions (H x W x D)	Net		mm	1,690 x 930 x 765		1,690 x 1,240 x 765	
	Gross			1,811 x 1,002 x 847		1,811 x 1,312 x 847	
Weight	Net		kg	252		275	
	Gross			273		299	
Connection pipe	Pipe diameter	Liquid	mm	12.70			
		Gas		22.22		28.58	
	Method	Liquid		Brazing			
		Gas		Brazing			
	Max. length		m	165			
Max. height difference		50 / 40 (Outdoor unit : Higher / Lower)					
Operation temperature range	Cooling	°CDB		-15 to 46			
	Heating			-20 to 21			
Defrost method				Reversed cycle			
Compressor capacity control (Steps / Range)				1001 steps / 15 to 115 rps			
Connectable indoor units			Number	17	21	26	

Note : 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 between outdoor unit and indoor unit : 0 m.

This data is based on following standard: EN14511, EN12102

*1: Refer to the section Chapter 6 "4-2 power supply cable wiring" when selecting the circuit breaker.