

1. Specifications

Type			Inverter heat pump		
Model name			AOYG45LBA6		
Power supply			230 V ~ 50 Hz		
Available voltage range			198—264 V		
Standard combination of indoor unit			Wall mounted ASYG07LMCA × 5 ASYG09LMCA × 1		
Capacity	Cooling	Rated	kW	12.5	
			Btu/h	42,700	
		Min.—Max.	kW	3.5—14.0	
			Btu/h	11,900—47,800	
	Heating	Rated	kW	13.5	
			Btu/h	46,100	
Min.—Max.		kW	3.5—16.0		
		Btu/h	11,900—54,600		
Input power	Cooling	Rated	kW	3.57	
		Max.		5.02	
	Heating	Rated		3.37	
		Max.		4.59	
Current	Cooling	Rated	A	15.7	
		Max.		24.0	
	Heating	Rated		14.9	
		Max.		24.0	
EER	Cooling	kW/kW		3.50	
COP	Heating	kW/kW		4.00	
Starting current			A	15.7	
Maximum operating current *1			A	24.0	
Fan	Airflow rate	Cooling	m ³ /h	4,200	
		Heating			
	Type × Q'ty	Propeller × 1			
	Motor output	W	111		
Sound pressure level*2		Cooling	dB (A)	53	
		Heating		55	
Heat exchanger type		Dimensions (H × W × D)	mm	966 × 922 × 55	
		Fin pitch		1.45	
		Rows × Stages	3 × 46		
		Pipe type	Copper		
		Fin type	Type (Material)	Corrugate (Aluminum)	
			Surface treatment	Corrosion resistance (Blue fin)	
Compressor	Type × Q'ty	DC twin rotary × 1			
	Motor output	W	2,100		
Refrigerant	Type	R410A			
	Charge	g	4,000		
Refrigerant oil	Type	RB68			
	Amount	cm ³	1,150		
Enclosure	Material	Steel sheet			
	Color	Beige (Approximate color of Munsell 10YR 7.5/1.0 NN)			
Dimensions (H × W × D)	Net	mm	998 × 970 × 370		
	Gross		1,162 × 1,150 × 478		
Weight	Net	kg	94		
	Gross		105		
Connection pipe	Size	Liquid	mm	Ø 6.35 (Ø 1/4) × 6	
		Gas		Ø9.52 (Ø3/8) × 4 + Ø 12.70 (Ø 1/2) × 2	
	Method		Flare		
	Pre-charge length (Total)		50		
	Maximum length (Total)		80		
	Maximum length (Each)		25		
	Minimum length (Total)		15		
	Minimum length (Each)		5		
	Maximum height difference between outdoor unit and each indoor units.		15		
	Maximum height difference between indoor units.		10		
Operation range	Cooling	°C	-10 to 46		
	Heating		-15 to 24		

NOTES:

- Specifications are based on the following conditions:
 - Power source of specifications: 230 V
 - Pipe length: 5 m, Height difference: 0 m [Outdoor unit—Indoor unit]
 - 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.
- *1: The maximum current is the maximum value when the operated within the operation range.
- *2: 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.
- *3: Connect to connection valve by the adapter.
- For other combination, refer to the combination table.
- The protective function might work when using it outside the operation range.
- This data is based on EN 14511 standard.