

1. Specifications

Type				Inverter heat pump		
Model name				AOYG18KBTA3	AOYG24KBTA3	
Power source				230 V 50 Hz		
Available voltage range				198—264V		
Standard combination of indoor unit				Wall mounted ASYG07KMCC ×3	Wall mounted ASYG07KMCC ASYG09KMCC ×2	
Capacity	Cooling	Rated	kW	5.4	6.8	
			Btu/h	18,400	23,200	
		Min.—Max.	kW	1.8—7	1.8—8.5	
			Btu/h	6,100—23,800	6,100—29,000	
	Heating	Rated	kW	6.8	8.0	
			Btu/h	23,200	27,300	
		Min.—Max.	kW	2.0—8.0	2.0—9.2	
			Btu/h	6,800—27,300	6,800—31,400	
Input power	Cooling	Rated	kW	1.13	1.74	
				Max.	1.90	2.65
	Heating	Rated		1.39	1.82	
		Max.		1.85	2.35	
Current	Cooling	Rated	A	5.1	7.7	
	Heating	Rated		6.2	8.1	
EER	Cooling			4.78	3.90	
COP	Heating			4.89	4.40	
Starting current				A	6.2	8.1
Maximum operating current *1				A	12.0	14.5
Fan	Type × Q'ty		Propeller × 1			
	Airflow rate	Cooling	m ³ /h	2,220	2,270	
		Heating		2,160	2,730	
	Motor output		W	49	49	
Sound pressure level *2	Cooling	dB (A)	46	48		
	Heating		49	53		
Heat exchanger	Dimension (H × W × D)		mm	Main1: 672 × 881 × 18.19 Main2: 672 × 851 × 18.19		
	Fin pitch			1.3		
	Rows × Stages			Main1: 1 × 32 Main2: 1 × 32		
	Pipe type (Material)			Copper tube		
	Fin type (Material)			Aluminum		
Compressor	Type		DC twin rotary			
	Motor output		W	1,200		
Refrigerant	Type		R32 (675)			
	Charge		g	1,800		
Refrigerant oil	Type		RmM68AF			
	Amount		cm ³	550		
Enclosure	Material		Steel sheet			
	Color		Beige (Approximate color of Munsell 10YR 7.5/1.0 NN)			
Dimensions (H × W × D)	Net		mm	716 × 820 × 315		
	Gross			890 × 1,027 × 445		
Weight	Net		kg	46		
	Gross			55		
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4) × 3		
		Gas		Ø9.52 (Ø3/8) × 3	Ø9.52 (Ø3/8) × 2, Ø12.70 (Ø1/2) × 1	
	Method		Flare			
	Pre-charge length (Total)		30			
	Maximum length (Total)		50			
	Maximum length (Each)		25			
	Minimum length (Total)		10			
	Minimum length (Each)		2.5			
	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			
Drain hose	Material		PP			
	Tip diameter		mm	Ø13.0 (I.D.), Ø16.0 to Ø16.8 (O.D.)		

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 27.0 °CDB/19.0 °CWB, and outdoor temperature of 35 °CDB/24.0 °CWB.
 - Heating: Indoor temperature of 20.0 °CDB/15.0 °CWB, and outdoor temperature of 7.0 °CDB/6.0 °CWB.
- *1: Maximum operating current is the total current of the indoor unit and the outdoor unit.
- *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.
- 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.