

1. Specifications

Type				Inverter heat pump	
Model name				AOEG18KBCA3	AOEG24KBCA3
Power source				230 V 50 Hz	
Available voltage range				198—264V	
Standard combination of indoor unit				Wall mounted ×3	Wall mounted ×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		kW/kW	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	m³/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	Main 1: 672 × 881 × 18.19 Main 2: 672 × 851 × 18.19	
	Fin pitch			Main 1: 1.3 Main 2: 1.3	
	Rows × Stages		Main 1: 1 × 32 Main 2: 1 × 32		
	Pipe type (Material)		Copper tube		
	Fin type (Material)		Aluminum		
Compressor	Type		DC twin rotary		
	Motor output		W	1,200	
Refrigerant	Type (Global warming potential)		R32 (675)		
	Charge		g	1,800	
Refrigerant oil	Type		RmM68AF		
	Amount		cm³	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			56	
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		m	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.

Specifications for ErP Lot10							
Model name				AOEG18KBCA3		AOEG24KBCA3	
Energy efficiency class	Cooling			A+++			
	Heating (Average)			A++			
Pdesign	Cooling	kW	5.4 (35 °C)		6.8 (35 °C)		
	Heating (Average)		5.0 (-10 °C)		6.0 (-10 °C)		
SEER	Cooling	kWh/kWh	8.60		8.50		
SCOP	Heating (Average)		4.70		4.60		
Annual energy consumption	QCE		kWh/a	220		280	
	QHE (Average)			1,486		1,826	
Sound power level	Cooling	HIGH	dB (A)	59		61	
	Heating			61		67	

OUTDOOR UNIT

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