

1. Specifications

OUTDOOR UNIT

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Type				Inverter heat pump	
Model name				AOEG14KBCA2	AOEG18KBCA2
Power source				230 V 50 Hz	
Available voltage range				198—264V	
Standard combination of indoor unit				Wall mounted ×2	Wall mounted ×2
Capacity	Cooling	Rated	kW	4.0	5.0
			Btu/h	13,600	17,100
		Min.—Max.	kW	1.4—4.6	1.7—5.8
			Btu/h	4,700—15,700	5,800—19,800
	Heating	Rated	kW	4.4	5.6
			Btu/h	15,000	19,100
		Min.—Max.	kW	1.1—5.5	1.8—6.6
			Btu/h	3,700—18,800	6,100—22,500
Input power	Cooling	kW	Rated	0.97	1.24
			Max.	1.20	1.55
	Heating		Rated	0.95	1.22
			Max.	1.65	1.80
Current	Cooling	Rated	A	4.7	5.6
	Heating	Rated		4.7	5.6
EER	Cooling		kW/kW	4.12	4.03
COP	Heating			4.63	4.59
Starting current			A	4.7	5.6
Maximum operating current *1			A	10.9	11.6
Fan	Type × Q'ty			Propeller × 1	
	Airflow rate	Cooling	m³/h	1,670	1,960
		Heating		1,670	2,020
		Motor output		W	23
Sound pressure level *2	Cooling		dB (A)	47	47
	Heating			49	50
Heat exchanger	Dimension (H x W x D)		mm	504 × 881 × 18.19	588 × 881 × 18.19
	Fin pitch			504 × 851 × 18.19	588 × 851 × 18.19
	Rows × Stages			1.3	
				Main1: 1 × 24 Main2: 1 × 24	
	Pipe type (Material)			Copper tube	
	Fin type (Material)			Aluminum	
Compressor	Type × Quantity			DC rotary × 1	DC twin rotary × 2
	Motor output	W		900	900
Refrigerant	Type			R32 (675)	
	Charge	g		900	1,020
Refrigerant oil	Type			RB68A	FW68S
	Amount	cm³		340	350
Enclosure	Material			Steel sheet	
	Color			Beige (Approximate color of Munsell 10YR 7.5/1.0 NN)	
Dimensions (H x W x D)	Net	mm		542 × 799 × 290	632 × 799 × 290
	Gross			602 × 940 × 375	692 × 940 × 375
Weight	Net	kg		33	37
	Gross			37	42
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4) × 2	
		Gas		Ø9.52 (Ø3/8) × 2	
	Method			Flare	
	Pre-charge length (Total)		m	20	
	Maximum length (Total)			30	
	Maximum length (Each)			20	
	Minimum length (Total)			5	
	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		

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.

Specifications for ErP Lot10					
Model name			AOEG14KBCA2		AOEG18KBCA2
Energy efficiency class	Cooling		A+++		
	Heating (Average)		A++		
Pdesign	Cooling	kW	4.0 (35 °C)	5.0 (35 °C)	
	Heating (Average)		3.5 (-10 °C)	4.2 (-10 °C)	
SEER	Cooling	kWh/kWh	8.70	8.60	
SCOP	Heating (Average)		4.70	4.70	
Annual energy consumption	QCE	kWh/a	209	263	
	QHE (Average)		1,296	1,434	
Sound power level	Cooling	HIGH	dB (A)	60	
	Heating			62	

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