

# 1. Specifications

OUTDOOR UNIT  
AOYG14-18KBTA2

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Type				Inverter heat pump	
Model name				AOYG14KBTA2	AOYG18KBTA2
Power source				230 V 50 Hz	
Available voltage range				198—264V	
Standard combination of indoor unit				Wall mounted ASYG07KGTB ×2	Wall mounted ASYG09KGTB ×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	Rated	kW	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	A	4.7	5.6
EER	Cooling		kW/kW	4.12	4.03
COP	Heating		kW/kW	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	m <sup>3</sup> /h	1,670	1,960
		Heating	m <sup>3</sup> /h	1,670	2,020
	Motor output		W	23	49
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		mm	504 × 851 × 18.19	588 × 851 × 18.19
	Rows × Stages			1.3	
	Pipe type (Material)			Main1: 1 × 24 Main2: 1 × 24	
	Fin type (Material)			Copper tube 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		cm <sup>3</sup>	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	41	
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4) × 2	
		Gas		Ø9.52 (Ø3/8) × 2	
	Method			Flare	
	Pre-charge length (Total)			20	
	Maximum length (Total)			30	
	Maximum length (Each)			20	
	Minimum length (Total)		m	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		
<b>NOTES:</b>					
<ul style="list-style-type: none"> <li>• Specifications are based on the following conditions: <ul style="list-style-type: none"> <li>– Power source of specifications: 230 V</li> <li>– Pipe length: 5 m, Height difference: 0 m [Outdoor unit—Indoor unit]</li> <li>– Cooling: Indoor temperature of 27.0 °CDB/19.0 °CWB, and outdoor temperature of 35 °CDB/24.0 °CWB.</li> <li>– Heating: Indoor temperature of 20.0 °CDB/15.0 °CWB, and outdoor temperature of 7.0 °CDB/6.0 °CWB.</li> </ul> </li> <li>• *1: Maximum operating current is the total current of the indoor unit and the outdoor unit.</li> <li>• *2: Sound pressure level <ul style="list-style-type: none"> <li>– Measured values in manufacturer's anechoic chamber.</li> <li>– Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.</li> </ul> </li> <li>• For other combination, refer to the combination table.</li> <li>• The protective function might work when using it outside the operation range.</li> </ul>					