

1. Specifications

Type				Inverter heat pump					
Model name				AOEG09KATA	AOEG12KATA	AOEG14KATA	AOEG18KATA		
Power supply				230 V ~ 50 Hz					
Available voltage range				198—264 V					
Starting current				A	4.4	5.8	6.6	7.9	
Fan	Airflow rate	Cooling	m³/h	1,610	1,630	1,670	1,710		
		Heating		1,550	1,410	1,580	1,840		
	Type × Qty			Propeller fan × 1					
Motor output			W	23					
Sound pressure level *1		Cooling	dB (A)	47	49	50	51		
		Heating		48	50	51	52		
Sound power level		Cooling	dB (A)	60	62	63			
		Heating		60	62	63	64		
Heat exchanger type		Dimensions (H × W × D)	mm	504 × 650 × 18.19	Main 1: 504 × 630 × 18.19 Main 2: 504 × 630 × 18.19	Main 1: 504 × 881 × 18.19 Main 2: 504 × 851 × 18.19			
		Fin pitch		1.3	Main 1: 1.3 Main 2: 1.3				
		Rows × Stages			1 × 24	Main 1: 1 × 24 Main 2: 1 × 24			
		Pipe type			Copper tube				
Fin type		Type (Material)	Aluminum						
		Surface treatment	PC fin						
Compressor	Type × Qty			DC rotary × 1					
	Motor output		W	550		900			
Refrigerant		Type (Global warming potential)		R32 (675)					
		Charge	g	600	700	850	900		
Refrigerant oil		Type		RB74AF		RB68A			
		Amount	cm³	240		340			
Enclosure		Material		Steel sheet					
		Color		Beige					
Dimensions (H × W × D)		Net		541 × 663 × 290		542 × 799 × 290			
		Gross		602 × 804 × 375		602 × 940 × 375			
Weight	Net		kg	23	25	32	33		
	Gross			27	29	36			
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø 1/4)					
		Gas		Ø9.52 (Ø3/8)					
	Method			Flare					
	Pre-charge length		m	15					
Max. length		15		20					
Max. height difference		15							
Operation range		Cooling	°C	-10 to 46					
		Heating		-15 to 24					
Drain hose		Material		Polypropylene					
		Size	mm	Ø13.0 (I. D.), Ø16.0 to Ø16.8 (O. D.)					

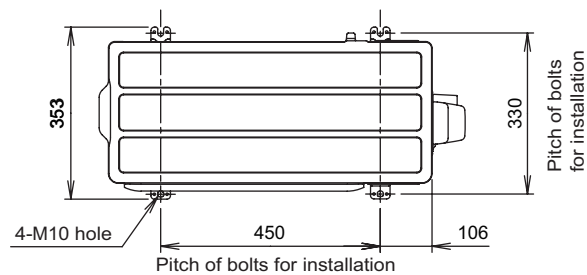
NOTES:

- Specifications are based on the following conditions:
 - 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.
 - Pipe length: 5.0 m, Height difference: 0 m (Between outdoor unit and indoor unit.).
- Protective function might work when using it outside the operation range.
- *1: Sound pressure level
 - Measured values in manufacturer's semi-anechoic chamber.
 - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

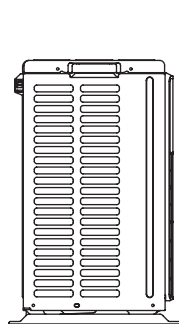
2. Dimensions

2-1. Models: AOEG09KATA and AOEG12KATA

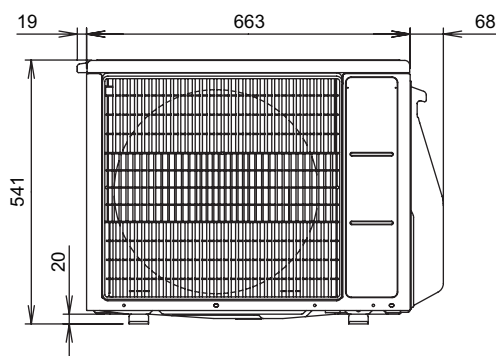
Unit: mm



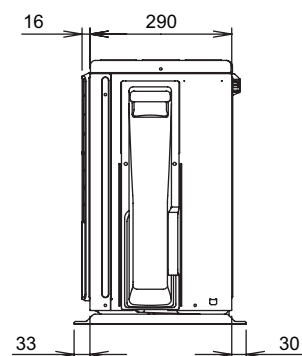
Top view



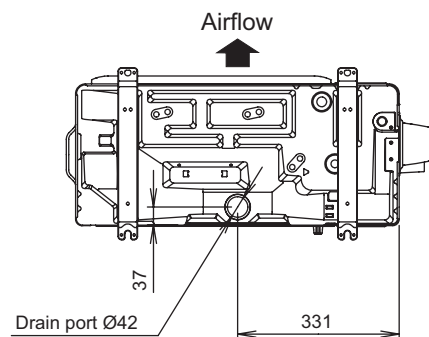
Side view



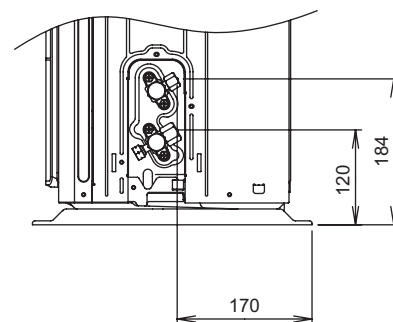
Front view



Side view



Bottom view



Side view (Valve part)