

# 1. Specifications

Type				Inverter heat pump				
Model name				AOYG72LRLA		AOYG90LRLA		
Power supply				3N 400 V ~ 50 Hz				
Available voltage range				342—456 V				
Starting current				A				
Input power	Cooling	Rated	kW	11.5		14.1		
	Heating			5.99		7.24		
Current	Cooling	Rated	A	6.12		7.65		
				Max.	11.2		13.5	
	Heating	Rated		13.3		14.6		
				Max.	11.5		14.1	
	Power factor	Cooling		Rated	13.3		14.6	
					Heating	77.2		77.4
Fan	Airflow rate	Cooling	%		76.8		78.3	
		Heating	8,400		8,400			
	Type × Q'ty		m <sup>3</sup> /h		8,400		9,000	
	Motor output		W		Propeller × 2		111 × 2	
Sound pressure level *1	Cooling	dB (A)	55		55			
	Heating		55		57			
Sound power level	Cooling	dB (A)	68		68			
	Heating		70		71			
Heat exchanger type	Dimensions (H × W × D)		mm	1,386 × 1,293 × 36.38		Main: 1,386 × 1,293 × 36.38 Sub: 1,386 × 773 × 18.19		
	Fin pitch			1.45				
	Rows × Stages		2 × 66		2.6 × 66			
	Pipe type		Copper					
	Fin		Type (Material)	Corrugate (Aluminum)				
			Surface treatment	Blue fin				
Compressor	Type × Q'ty		W		Scroll × 1			
	Motor output		4,700					
Refrigerant	Type		R410A					
	Factory charge		g		5,600		7,100	
Refrigerant oil	Type		FVC68D					
	Amount		cm <sup>3</sup>		2,300			
Enclosure	Material		Painted galvanized steel					
	Color		Beige		Approximate color of MUNSELL 10YR 7.5/1.0			
Dimensions (H × W × D)	Net		mm	1,428 × 1,080 × 480				
	Gross			1,557 × 1,174 × 600				
Weight	Net		kg	163		172		
	Gross			181		190		
Connection pipe	Size	Liquid	mm (in)	Ø 12.70 (Ø 1/2)				
		Gas		Ø 25.40 (Ø 1)				
	Method		Brazing					
	Pre-charge length		m		30			
	Max. length				100			
	Max. height difference				30			
Operation range	Cooling	°C	-15 to 46					
	Heating		-20 to 24					

## 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: 7.5 m, Height difference: 0 m.
- Protective function might work when using it outside the operation range.
- \*1: 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.