

# 1. Specifications

Type				Floor type					
				Inverter heat pump					
Model name				AGYG09KVCA	AGYG12KVCA	AGYG14KVCA			
Power supply				230 V ~ 50 Hz					
Available voltage range				198—264 V					
Capacity	Cooling	Rated	kW	2.50	3.50	4.20			
			Btu/h	8,500	11,900	14,300			
		Min.—Max.	kW	0.9—3.5	0.9—4.0	0.9—5.2			
	Btu/h		3,100—11,900	3,100—13,700	3,100—17,700				
	Heating	Rated	kW	3.50	4.50	5.20			
			Btu/h	11,900	15,400	17,700			
Min.—Max.		kW	0.9—5.1	0.9—5.3	0.9—6.3				
	Btu/h	3,100—17,400	3,100—18,100	3,100—21,500					
Input power	Cooling	Rated	kW	0.53	0.88	1.06			
				Max.	1.29	1.29	2.11		
	Heating	Rated		0.81	1.22	1.41			
				Max.	1.64	1.64	1.98		
Current	Cooling	Rated	A	2.9	4.3	4.7			
	Heating		4.1	5.7	6.2				
EER	Cooling			4.70	4.00	3.95			
COP	Heating			4.30	3.70	3.70			
Power factor	Cooling			79.5	88.5	98.1			
	Heating			85.9	93.1	98.9			
Moisture removal			L/h (pints/h)	1.3 (2.3)	1.8 (3.2)	2.1 (3.7)			
Maximum operating current *1		Cooling	A	7	7	11			
		Heating		8.5	8.5	12			
Fan	Airflow rate	Cooling	m <sup>3</sup> /h	HIGH	570	570	650		
				MED	460	460	520		
				LOW	360	360	400		
				QUIET	270	270	270		
		Heating		HIGH	600	600	650		
				MED	480	480	520		
				LOW	370	370	390		
				QUIET	270	270	270		
	Type × Q'ty		Cross flow fan × 2						
	Motor output		W						
Sound pressure level *2	Cooling	HIGH	dB (A)	40	40	44			
				MED	35	35	38		
				LOW	29	29	31		
				QUIET	22	22	22		
	Heating	HIGH		41	41	43			
				MED	35	35	37		
				LOW	29	29	29		
				QUIET	22	22	22		
				Dimensions (H × W × D)		mm	378 × 550 × 26.6		
				Fin pitch			1.2		
Rows × Stages		2 × 18							
Pipe type		Copper tube							
Fin type		Aluminium							
Material		Polystyrene							
Color		White							
Dimensions (H × W × D)	Net	mm	600 × 740 × 200						
	Gross		700 × 820 × 310						
Weight	Net	kg	14						
	Gross		18						
Connection pipe	Size	Liquid	mm (in)	Ø 6.35 (Ø 1/4)					
		Gas		Ø 9.52 (Ø 3/8)					
	Method	Flare							
Drain hose	Material	PP + LLDPE							
	Size	mm	Ø 13.8 (I.D.), Ø 15.8 to Ø 16.7 (O.D.)						
Operation range	Cooling	°C	18 to 32						
		%RH	80 or less						
Remote controller type	Heating	°C	30 or less						
		Wireless (Wired, Mobile app*3 [FGLair™] [option])							

## 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 m, Height difference: 0 m. (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- \*1: Maximum current is maximum value when operated within the operation range.
- \*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.
- \*3: Available on Google Play™ store or on App Store®. Optional WLAN adapter is also required. For details, refer to the setting manual.