

# 1. Specifications

Type				Ceiling		
				Inverter heat pump		
Model name				ABYG54KRTA		
Power supply				3N 400 V ~ 50 Hz		
Power supply intake				Outdoor unit		
Available voltage range				342—457 V		
Capacity	Cooling	Rated	kW	13.4		
			Btu/h	45,700		
		Min.—Max.	kW	4.5—14.5		
				Btu/h	15,350—49,400	
	Heating	Rated	kW	15.5		
			Btu/h	52,900		
Min.—Max.		kW	4.7—16.5			
			Btu/h	16,040—56,310		
Input power	Cooling	Rated	kW	4.45		
		Max.		5.23		
	Heating	Rated		4.43		
		Max.		4.83		
Current	Cooling	Rated	A	8.0		
	Heating			8.0		
EER	Cooling			kW/kW		
COP	Heating			3.50		
Power factor	Cooling			%		
	Heating			80.4		
Moisture removal			L/h (pints/h)	5.0 (8.8)		
Maximum operating current *1	Cooling			A		
	Heating			14.0		
Fan	Airflow rate	Cooling	HIGH	m <sup>3</sup> /h	2,100	
			MED		1,700	
			LOW		1,500	
			QUIET		1,220	
		Heating	HIGH		2,100	
			MED		1,700	
			LOW		1,500	
			QUIET		1,220	
	Type × Q'ty			Sirocco × 4		
	Motor output			W		
			130			
Sound pressure level *2	Cooling	HIGH	dB (A)	48		
		MED		44		
		LOW		41		
		QUIET		38		
	Heating	HIGH		48		
		MED		44		
		LOW		41		
		QUIET		38		
Heat exchanger type	Dimensions (H × W × D)		mm	294 × 1,335 × 39.9		
	Fin pitch		mm	1.30		
	Rows × Stages		3 × 14			
	Pipe type		Copper			
	Fin type		Aluminum			
Enclosure	Material			Steel sheet		
	Color			White Approximate color of Munsell N9.25/		
Dimensions (H × W × D)	Net		mm	235 × 1,700 × 705		
	Gross			330 × 1,785 × 825		
Weight	Net		kg	38		
	Gross			48		
Connection pipe	Size	Liquid	mm (in)	Ø9.52 (Ø3/8)		
		Gas		Ø15.88 (Ø5/8)		
	Method			Flare		
Drain hose	Material			PVC		
	Tip diameter		mm	Ø25 (I.D.), Ø32 (O.D.)		
Operation range	Cooling		°C	18 to 32		
	Heating		%RH	80 or less		
			°C	16 to 30		
Remote controller (Option)				Wired remote controller, Wireless remote controller, Mobile app*3 (FGLair™)		

**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.