

1. Specifications

Type				Ceiling		
				Inverter heat pump		
Model name				ABYG18KRTA	ABYG22KRTA	
Power supply				230 V ~ 50 Hz		
Power supply intake				Outdoor unit		
Available voltage range				198—264 V		
Capacity	Cooling	Rated	kW	5.2	6.0	
			Btu/h	17,700	20,500	
		Min.—Max.	kW	0.9—5.9	0.9—6.7	
	Heating	Rated	Btu/h	3,100—20,100	3,100—22,900	
			kW	6.0	7.0	
		Min.—Max.	kW	0.9—7.5	0.9—8.0	
Input power	Cooling	Rated	kW	1.55	1.87	
			Max.	2.32	2.44	
	Heating	Rated	kW	1.62	1.95	
			Max.	2.41	2.60	
Current	Cooling	Rated	A	6.9	8.3	
	Heating		A	7.2	8.6	
EER	Cooling			kW/kW	3.35	3.21
COP	Heating			kW/kW	3.70	3.59
Power factor	Cooling			%	97.6	98.1
	Heating			%	97.9	98.5
Moisture removal			L/h (pints/h)	2.0 (3.5)	2.5 (4.4)	
Maximum operating current *1	Cooling			A	12.1	12.6
	Heating			A	12.1	12.6
Fan	Airflow rate	Cooling	HIGH	m ³ /h	840	900
			MED	790	790	
			LOW	710	710	
			QUIET	650	650	
		Heating	HIGH	840	900	
			MED	790	790	
			LOW	710	710	
			QUIET	650	650	
	Type × Q'ty		Sirocco × 2			
	Motor output		W		50	
Sound pressure level *2	Cooling	HIGH	dB (A)	38	42	
		MED	36	37		
		LOW	33	34		
		QUIET	31	31		
	Heating	HIGH	38	42		
		MED	36	37		
		LOW	33	34		
		QUIET	31	31		
Heat exchanger type	Dimensions (H × W × D)		mm	294 × 715 × 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 × 1,080 × 705		
	Gross		mm	330 × 1,165 × 825		
Weight	Net		kg	24		
	Gross		kg	33		
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4)		
		Gas	mm (in)	Ø12.70 (Ø1/2)		
	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.

Specifications for ErP Lot10				
Model name			ABYG18KRTA	ABYG22KRTA
Energy efficiency class	Cooling		A ⁺⁺	A ⁺⁺
	Heating (Average)		A ⁺	A ⁺
Pdesign	Cooling	kW	5.2 (35°C)	6.0 (35°C)
	Heating (Average)		4.4 (-10°C)	4.8 (-10°C)
SEER	Cooling		6.2	6.1
SCOP	Heating (Average)		4.1	4.0
Annual energy consumption	QCE		293	344
	QHE (Average)		1,501	1,677
Sound power level	Cooling	HIGH	dB (A)	53
	Heating			53