

1. Specifications

Model name				ABYG18LVTB	ABYG24LVTA
Power supply				1Ø 230 V ~50 Hz	
Available voltage range				198—264 V	
Capacity	Cooling	Rated	kW	5.20	6.80
			Btu/h	17,700	23,200
		Min.—Max.	kW	0.90—5.90	0.90—8.00
	Heating		Btu/h	3,100—20,100	3,100—27,300
		Rated	kW	6.00	8.00
		Min.—Max.	kW	0.90—7.50	0.90—9.10
		Btu/h	3,100—25,600	3,100—31,000	
Input power	Cooling	Rated	kW	1.62	2.21
		Max.		2.04	2.85
	Heating	Rated		1.66	2.26
		Max.		2.83	3.19
Current	Cooling	Rated	A	7.2	9.7
	Heating	Rated		7.4	9.9
EER	Cooling		kW/kW	3.21	3.08
COP	Heating			3.61	3.54
Power factor	Cooling		%	97.8	99.1
	Heating			97.5	99.3
Moisture removal			L/h (pints/h)	2.0 (3.5)	2.7 (4.8)
Maximum operating current *1	Cooling		A	11.5	14.7
	Heating			13.5	15.7
Fan	Airflow rate	Cooling	HIGH	780	980
			MED	700	820
			LOW	560	680
			QUIET	500	540
		Heating	HIGH	780	980
			MED	700	820
			LOW	560	680
			QUIET	500	540
	Type × Q'ty	Sirocco fan × 2			
	Motor output	W			
				80	
Sound pressure level *2	Cooling	HIGH	dB (A)	44 (Floor console)	49 (Floor console)
				43 (Under ceiling)	48 (Under ceiling)
		MED		41 (Floor console)	45 (Floor console)
				40 (Under ceiling)	44 (Under ceiling)
	Heating	LOW		35 (Floor console)	41 (Floor console)
				34 (Under ceiling)	40 (Under ceiling)
		QUIET		32 (Floor console)	36 (Floor console)
				31 (Under ceiling)	35 (Under ceiling)
	Heating	HIGH		44 (Floor console)	49 (Floor console)
				43 (Under ceiling)	48 (Under ceiling)
		MED		41 (Floor console)	45 (Floor console)
				40 (Under ceiling)	44 (Under ceiling)
Heating	LOW	35 (Floor console)	41 (Floor console)		
		34 (Under ceiling)	40 (Under ceiling)		
	QUIET	32 (Floor console)	36 (Floor console)		
		31 (Under ceiling)	35 (Under ceiling)		
Sound power level	Cooling	HIGH	dB (A)	57	61
	Heating			57	61
Heat exchanger type	Dimensions (H × W × D)		mm	252 × 800 × 39.9	252 × 800 × 53.2
	Fin pitch		mm	1.30	1.45
	Rows × Stages			3 × 12	4 × 12
	Pipe type			Copper tube	
	Fin type			Aluminum	
Enclosure	Material		ABS		
	Color		White (Approximate color of Munsell N 9.25/)		
Dimensions (H × W × D)	Net		mm	199 × 990 × 655	
	Gross			320 × 1,150 × 790	
Weight	Net		kg	27	
	Gross			36	
Connection pipe	Size	Liquid	mm (in)	Ø6.35 (Ø1/4)	
		Gas		Ø12.70 (Ø1/2)	Ø15.88 (Ø5/8)
Drain hose	Method	Flare			
	Material	Hard PVC			
Operation range	Size		mm	Ø25 (I.D.), Ø32 (O.D.)	
				Cooling	°C
	Heating	°C	80 or less		
				16 to 30	
Remote controller type				Wireless (Wired [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.

Specifications for Lot10				
Model name			ABYG18LVTB	ABYG24LVTA
Energy efficiency class	Cooling		A++	A+
	Heating (Average)		A+	A
Pdesign	Cooling	kW	5.2 (35 °C)	6.8 (35 °C)
	Heating (Average)		5.2 (-10 °C)	6.0 (-10 °C)
SEER	Cooling	kWh/kWh	6.10	5.60
SCOP	Heating		4.00	3.90
Annual energy consumption	QCE	kWh/a	298	425
	QHE (Average)		1,818	2,153