

SERIE-AST 23 SEER

GENERALLUX STAR



FEATURES

Operating Modes:

- **Cool:** This function allows the heat pump to cool the room while reducing humidity.

- **Heating (Heat):** This function allows the heat pump to heat the room.

- **Dehumidification (Dry):** This function reduces the humidity in the air to make the room more comfortable.

- **Ventilation (Fan):** This function allows the heat pump to ventilate the room only.

- **Automatic (Auto):** In AUTO mode, the operating mode will be set automatically according to the room temperature.

- **Sleep:** After 10 hours of operation in sleep mode, the heat pump will automatically turn off.

- **Eco:** In this mode, the unit is automatically set to an energy saving function.

Control:

- Remote control
- Intelligent control by wifi technology. (optional)
- Temperature display in °C or °F

Application:

Residential, commercial buildings, office buildings, condos, restaurants, etc.

Indoor unit:

- Wall installation
- Four speed fan (auto, high, medium, low)
- Moisture removal : de 1.6 L/h à 2.6 L/h
- Very low sound level, close to a whisper.

Feed:

208/230V, 60 Hz, 1 Phase.

Powers available:

12000, 18000 et 24000 BTU/h.

Outdoor unit:

GMCC (Toshiba) variable speed compressor Very quiet unit.

Communication wires:

Copper wire 4/16 AWG

Connecting copper piping between units:

- 1/4" to 5/8"
- Factory preloaded length: 25 Pi (7.5m)

heating up to



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23.3 SEER
IN AIR CONDITIONING

11.6 HSPF
IN HEATING

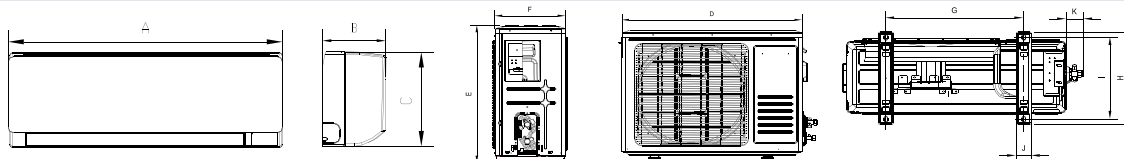


INVERTER

R410A



Technical specifications, serie-AST 23 SEER simple zone



Models	Indoor unit (mm/inch)			Outdoor unit (mm/inch)								
	A	B	C	D	E	F	G	H	I	J	K	
12 000 BTU	811/31.93	292/11.50	202/7.95	795/31030	549/21.61	252/9.92	434/17.09	305/12.0	278/10.94	48/1.89	63/2.48	
18 000 BTU	1010/39.76	315/12.4	220/8.366	795/31.30	549/21.61	252/9.92	434/17.09	305/12.0	278/10.94	48/1.89	63/2.48	
24 000 BTU	1186/46.69	340/13.39	268/10.55	845/33.27	693/27.28	336/13.23	586/23.07	374.9/14.76	347.5/13.68	58.6/2.31	65/2.56	

Model No.		AST-12UW3SXEDJ01	AST-18UW3SBBDJ00	AST-24UW3SDBDJ01
Type		T1, INVERTER	T1, INVERTER	T1, INVERTER
Cooling Capacity	Btu/h	12000	18000	23400
Heating Capacity	Btu/h	13000	19000	26000
Cooling Capacity Range	Btu/h	4000-13500	6500-19500	8000-26500
Heating Capacity Range	Btu/h	4000-14000	6500-20000	8000-26500
Rated Input-Cooling	W	960	1385	1880
Rated Input-Heating	W	1110	1638	2500
SEER	Cooling	22	23,3	21,0
HSPF	Heating	11,0	11,6	10,5
EER for Cooling	Btu/W	12,50	13,00	12,45
COP for Heating	W/W	3,42	3,40	3,05
Moisture Removal	L/H.r	1,2	1,5	2,4
Air Circulation	m3/h	620	1100	1200
Refrigerant		R410A	R410A	R410A
Refrigerant charge volume (7.5m)	g	1160	1550	2150
Factory Precharge Line	(m/ft)	7.5 / 25	7.5 / 25	7.5 / 25
Maximum Line Length	(m/ft)	15 / 50	15 / 50	15 / 50
Maximum Height Difference Between Indoor and Outdoor	(m/ft)	10/32.8	10 / 32.8	10 / 32.8
Indoor Sound Pressure(H/M/L/silence)	dB (A)	39/32/29/26	45/41/37/34	47/42/36/33
Outdoor Sound pressure	dB (A)	53	55	58
Voltage, Frequency, Phase	V	230V~/60Hz/1P	230V~/60Hz/1P	230V~/60Hz/1P
Rated Current	Cooling (A)	4,3	6,3	8,3
	Heating (A)	5,0	7,2	11,1
Current Range	Cooling (A)	1.2-7.0	1.5-12	1.8-13
	Heating (A)	1.2-7.0	1.5-12	1.8-13
System				
Compressor type		Rotary	Rotary	Rotary
Compressor MFG		GMCC	GMCC	GMCC
Compressor model #		ASN108D32UFZ	ATM150D43UFZ	ATF135D22UMT
Expansion Device		capillary	capillary	capillary
Indoor DC motor		Yes	Yes	Yes
Outdoor DC motor		Yes	Yes	Yes
Liquid Pipe	inch	1/4	1/4	3/8
Gas Pipe	inch	3/8	1/2	5/8
Net Dimensions WxHxD (mm)	Indoor Unit mm	835x280x220	1100x325x244	1100x325x244
	Indoor Unit in	32 7/8x11x8 11/16	43 5/16x12 13/16x9 5/8	43 5/16x12 13/16x9 5/8
	Outdoor Unit mm	810x585x280	860x650x310	885x795x366
	Outdoor Unit in	31 7/8x23x11	33 7/8x25 9/16x12 3/16	34 7/8x31 5/16x14 3/8
Net Weight (Kg)	Indoor Unit	9,0	14,5	14,5
	Outdoor Unit	33,0	45	61
Test Standard		ARI 210-240	ARI 210-240	ARI 210-240
Approvals		ETL/AHRI	ETL/AHRI	ETL/AHRI
Working Temperature Range - Cooling (°C/°F)		-15°C -46°C; (5°F-115°F)	-15°C -46°C; (5°F-115°F)	-15 -46 ; (5 -115)
Working Temperature Range - Heating (°C/°F)		-20°C -24°C; (-4°F-75°F)	-20°C -24°C; (-4°F-75°F)	-20°C -24°C; (-4°F-75°F)



Thread heating



Defrosting intelligent



Preheating intelligent



Restart automatic restart



Auto-cleaning



Auto-diagnosis



Mode sleep



Mode turbo



Up/down oscillation



Timer



I Feel

Specifications subject to change without notice