

# SERIE-AX 20 SEER SIMPLE ZONE



## 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.
- 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

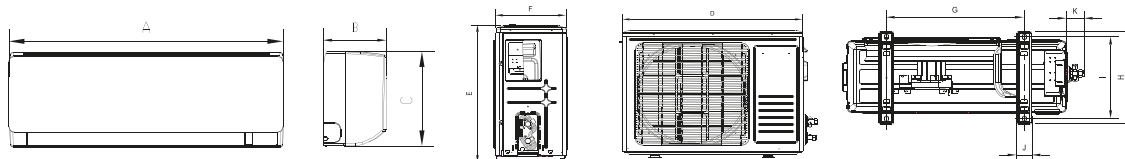
### Connecting copper piping between units:

- 1/4" à 1/2"
- Factory preloaded length: 25 Pi (7.5m)

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## Technical specifications, serie-AX 20 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	795/31.030	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	TSC-GL-12HA1/I2XI20I TSC-GL-12HA1/I2XI20O		TSC-GL-18HA2/I2XI19I TSC-GL-18HA2/I2XI19O		TSC-GL-24HA2/I2XI18I TSC-GL-24HA2/I2XI18O			
Type	cooling&heating		cooling&heating		cooling&heating			
Control type	remote		remote		remote			
Power supply	115V~/60Hz/1P		230V~/60Hz/1P		230V~/60Hz/1P			
Rated cooling capacity	Btu/h	12000	18000		24000			
Rated Heating capacity	Btu/h	12000	19000		24500			
SEER	Btu/W.h	20,0	19,0		18,0			
SEER2	Btu/W.h	19,0	19,0		18,0			
HSPF Rating (Region IV)	Btu/W.h	10,0	9,0		9,0			
EER2	Btu/W.h	10,0	10,0		9,5			
COP	W/W	3,0	3,0		3,0			
Maximum Operation Pressure	PSIG	650	650		650			
Maximum Fuse Size	A	25	20		20			
Max Current	Cooling	A	12,1		9,7			
	Heating	A	12,1		9,7			
Moisture removal	Liters/h	1,6	2,45		2,6			
Indoor noise level at cooling	High	dB(A)	40		44			
	Med.	dB(A)	37		39			
	Low	dB(A)	34		34			
Outdoor noise level	dB(A)	52	55		58			
Connecting Pipe	Gas	inches	3/8"		3/8"			
	Liquid	inches	1/4"		1/4"			
Connecting Wiring	Size x Core number	4x16AWG		4x16AWG		4x16AWG		
Net dimensions (W x H x D)	Indoor	mm	811x292x205		1010x315x220		1186x340x260	
		inch	31.92x11.49x8.07		39.76x12.40x8.66		46.69x13.38x10.23	
	Outdoor	mm	728x550x285		780x605x290		845x699x380	
		inch	28.66x21.65x11.22		30.70x23.81x11.41		33.26x27.51x14.96	
Net weight	Indoor	kg/lbs	8/17.6		13/28.7		17/37.5	
	Outdoor	kg/lbs	29/63.9		33.5/73.8		45/99.2	
Indoor air circulation/Hi	m³/h	650		1030		1500		
Compressor Brand		GMCC		SANYO		SANYO		
Compressor Model		ASN98D32UEZ		C-6RZ146H1DJ		C-6RZ210H1BAF		
Factory Refrigerant charge(7.5m pipe)	g/oz	1002g / 35.34ozs		1150g / 40.56ozs		1550g / 54.67ozs		
Factory Precharge Line	(m/ft)	7.5 / 25		7.5 / 25		7.5 / 25		
Additional refrigerant		20g/m(0.018oz/inch)		30g/m(0.026oz/inch)		30g/m(0.026oz/inch)		
Maximum Line Length	(m/ft)	15 / 50		15 / 50		15 / 50		
Maximum Height Difference Between Indoor and Outdoor	(m/ft)	5 / 16.4		5 / 16.4		5 / 16.4		
Operation temperature	°C	16~31		16~31		16~31		
Room temperature	Indoor(cooling/ heating)	°C >=17/<=30		°C >=17/<=30		°C >=17/<=30		
	Outdoor(cooling/heating)	°C -15~50/-25~30		°C -15~50/-25~30		°C -15~50/-25~30		



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