



Single zone ductless heat pump

SERIES-T 23 SEER2



WARRANTY
8 ON THE COMPRESSOR YEARS
2 ON THE PARTS YEARS
Limited



R410A

Heating up to

-25°C

23 SEER IN AIR CONDITIONING

10 HSPF IN HEATING



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 temperature. will be set automatically according to the room temperature.
- **Sleep:** After 10 hours of operation in sleep mode, the heat pump will turn off, 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 building, office buildings, condos, restaurant, etc.

Indoor unit:

- Wall installation
- Four speed fan (auto, high, medium, low)
- Moisture removal : de 1.1 L/h à 2.6 L/h
- Very low sound level, close to a whisper.

Feed:

208/230V, 60 Hz, 1 Phase.

Powers available:

9000, 12000 et 18000 BTU/h.

Outdoor unit:

GMCC (Toshiba) variable speed compressor
Very quiet unit.

Communication wires:

Copper wire 4/16 AWG

Connecting copper piping between units:

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



Thread heating



Defrosting intelligent



Preheating intelligent



Restart automatic restart



Auto-cleaning



Auto-diagnosis



Mode sleep



Mode turbo



Up/down oscillation left/right

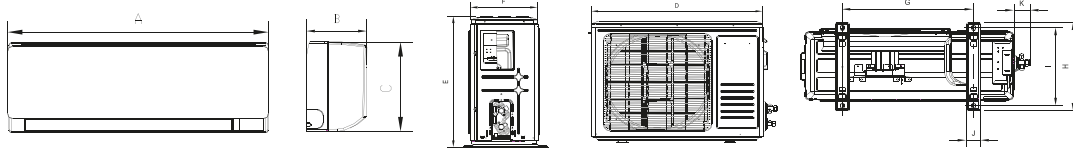


Timer



I Feel

Technical specifications, series-T 23 SEER2 single zone



Model	Indoor units (mm)			Outdoor units (mm)						
	A	B	C	D	E	F	G	H	I	J
9 000 BTU	820	195	306	726	549	252	434	305	278	48
12 000 BTU	920	195	306	726	549	252	434	305	278	48
18 000 BTU	1100	222	333	845	693	336	586	375	347.5	58.6

Model			TSC-GL-09HA2/I3TI23	TSC-GL-12HA2/I3TI23 TSC-GL-12HA2/I3TO23	TSC-GL-18HA2/I3TI21 TSC-GL-18HA2/I3TO21
Type			cooling&heating	cooling&heating	cooling&heating
Control type			remote	remote	remote
Power supply			208-230V~/60Hz/1P	208-230V~/60Hz/1P	230V~/60Hz/1P
Rated Cooling (95F/35C)	Rated cooling capacity	Btu/h	9000	12000	18000
	EER	Btu/W.h	13	13	13
	SEER2	Btu/W.h	23	23	21
Rated Heating (47F/8.3C)	Rated Heating capacity	Btu/h	9000	12000	18000
	HSPF Rating (Region IV)	Btu/W.h	10	10	10
	HSPF Rating (Region V)	Btu/W.h	8	8	8
	COP	W/W	3,5	3,5	3
	COP (5°F/-15°C)	W/W	1,75	1,75	1,75
MXimum Operation Pressure		PSIG	550	550	550
Moisture removal		Liters/h	1,1	1,6	2,2
Indoor airflow		m3/h	580	680	1250
	1cfm≈1.7m3/h	CFM	341	400	735
Indoor noise level at cooling	Turbo/High/Med./Low/Mute		42/39/34/29/27	45/39/34/29/27	48/45/40/35/31
		m3/h	2100	2100	3300
Outdoor airflow		CFM	1235	1235	1941
	1cfm≈1.7m3/h				
Outdoor noise level		dB(A)	50	52	52
Connecting Pipe	Gas	inches	3/8"	3/8"	1/2"
	Liquid	inches	1/4"	1/4"	1/4"
Connecting Wiring		Size x Core number	4×16AWG	4×16AWG	4×16AWG
Net dimensions (W x D x H)	Indoor	mm	820×306×195	920×306×195	1100×333×222
		inch	32.28×12.05×7.68	36.22×12.05×7.68	43.31×13.11×8.74
	Outdoor	mm	728x305x550	728x305x550	845×380×699
		inch	28.66x12.01x21.65	28.66x12.01x21.65	33.26x14.96x27.51
Net weight	Indoor	kg	9	10,5	14
		lbs	19,8	23,1	30,9
	Outdoor	kg	25,5	28	40
		lbs	56,2	61,7	88,2
*** Indoor Unit ***					
Indoor Motor	Motor Brand		Weilling	Weilling	Broad-Ocean
Evaporator		mm	Φ7x2	Φ7x2	Φ7x2
*** Outdoor Unit ***					
Refrigerant		Type	R410a	R410a	R410a
		g	780	1000	1430
	1oz=28.35g	ozs	27,51	35,27	50,44
Compressor Brand			GMCC / TOSHIBA	GMCC / TOSHIBA	GMCC / TOSHIBA
Outdoor Motor	Motor Brand		Weilling	Weilling	Broad-Ocean
Condenser		mm	Φ7x1	Φ7x2	Φ7x2
Factory Precharge Line		(m/ft)	7.5 / 25	7.5 / 25	7.5 / 25
Maximum Line Length		(m/ft)	15 / 50	15 / 50	20 / 65
Maximum Height Difference Between Indoor and Outdoor		(m/ft)	10 / 33	10 / 33	15 / 49
Additional refrigerant charge		(g/m, oz/ft)	20 / 0.22	20 / 0.22	20 / 0.22
Operation temperature		°C	16~31	16~31	16~31
Ambinet temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30	>=17/<=30
	Outdoor(cooling/heating)	°C	-15~50/-25~30	-15~50/-25~30	-15~50/-25~30
Ambinet temperature	Indoor(cooling/ heating)	F	62~89/32~86	62~89/32~86	62~89/32~86
	Outdoor(cooling/heating)	F	5~122/-13~86	5~122/-13~86	5~122/-13~86

Specifications subject to change without notice