Ultra-Low Temperature Freezer



Introduction

This type is used for storage, shipment or laboratory testing. The low temperature values are -60°C, -86°C, -150°C.

TCT Freezer uses famous compressor groups, cooling efficiency is higher.

TCT Freezers can be used with long time storage or testing, the stability is good.

#1	Using Areas	
>	Science laboratory	➤ Medicine storage
>	Far distance shipment	➤ Electronic products testing
>	Chemical materials testing	> Others

The advantages of TCT Ultra-Low Temperature Freezer

- Cooling efficiency is higher, the stability is better
- The using cost is lower
- Using more famous components, the performance is better
- 1 year warranty period for machine + 3 years free providing for spare parts.

Production Standards

- GB/T2423.1-2001 GB/T2423.3-1993 GB/T2423.2-2001.
- IEC60068-3-5, IEC60068-2-03, MIL-STD-810F, MIL-STD-883C, JIS-C60068
- JESD22-A101-B-2004, JESD22-A103-C-2004, JESD-A119-C-2004

Internal materials	SUS304 stainless s	teel	
External materials	High quality cold rolled steel sheet		
Temperature fluctuation	±0.5°C		
Temperature uniformity	±2.0℃		
Heating rate	2.0~3.0℃ / min (no-load)		
Cooling rate	1.0~2.0℃ / min (no-load)		
Test shelf	Stainless steel test shelf, 3 pieces		
Movement wheel	4 sets movement wheels (fixation function)		
Sealing material	Silicon rubber sealing ring		
Heat insulating material	PU FOAM + Glass	fiber cotton	
3531	Compressor	Hermetic compressor	
	Refrigerant	R404A+R134A+R508B	
Refrigeration system	Evaporator	Warped type evaporator	
neitigeration system	Heat exchanger	BPHE	
	Refrigerator oil	3GS/32H	
	Cooling way	Air cooling way	
	Controller	Digital controller	
Control system	Running mode	Fix running	
	Sensor	PT100	
	Over-temperature protection		
	Electric leakage protection		
	Power phase protection		
	Over-current protection		
Safety function	Fuse protection		
Salety fullction	Over-pressure protection for compressor		
	Over-heating protection for compressor		
	Over-current protection for compressor		
	Water shortage protection		
	Ground protection		
Noise	≤65 dB		
Power supply standard	120V/220V/240V/3	80V/415V, 50Hz/60Hz, Single or three phases	

Model	Working room size(W×D×H)	Control Temperature
SL-150A		-10°C ~-60°C
SL-150B	540×540×550mm (160.3 Liters)	-10℃ ~-86℃
SL-150C		-100℃ ~-150℃
SL-340A	550×540×1140mm (338.5 Liters)	-10°C ~-60°C
SL-340B	550×540×1140mm (338.5 Liters)	-10℃ ~-86℃
SL-500B	650×650×1200mm (507 Liters)	-10°C ~-86°C