

## Refrigerated Display Cabinet Test Report

**Test Laboratory Name/Address**

Laboratory of FROST TECH(Guangzhou) Refrigeration Facilities CO.,LTD.  
Xiaowu Industrial Zone Dongchong Town,Nansha District,Guangzhou,  
Guangdong Province,P.R.China.

**Manufacturing Name/Address**

FROST TECH(Guangzhou) Refrigeration Facilities CO.,LTD.  
Xiaowu Industrial Zone Dongchong Town,Nansha District,Guangzhou,  
Guangdong Province,P.R.China.

Brand Name	FROST TECH
Product	Refrigerated display cabinet
Description	The product covered by this report is a commercial used,cord connected refrigerated display cabinet.
Model(s)	SD75/180SH
Voltage/Frequency	220-240V,50Hz
Rating current	15.2A
Drip tray Rating current	3A
Teststandard(s)orcriteria(s)	(EU)2019/2018 (EU)2019/2024 ENISO23953-2:2015
Conclusion	The results are incompliance with there requirements of the EC regulation 2019/2024. Energy efficiency class: E

Prepared by:He Jianjin

Photo 1 - Front view:

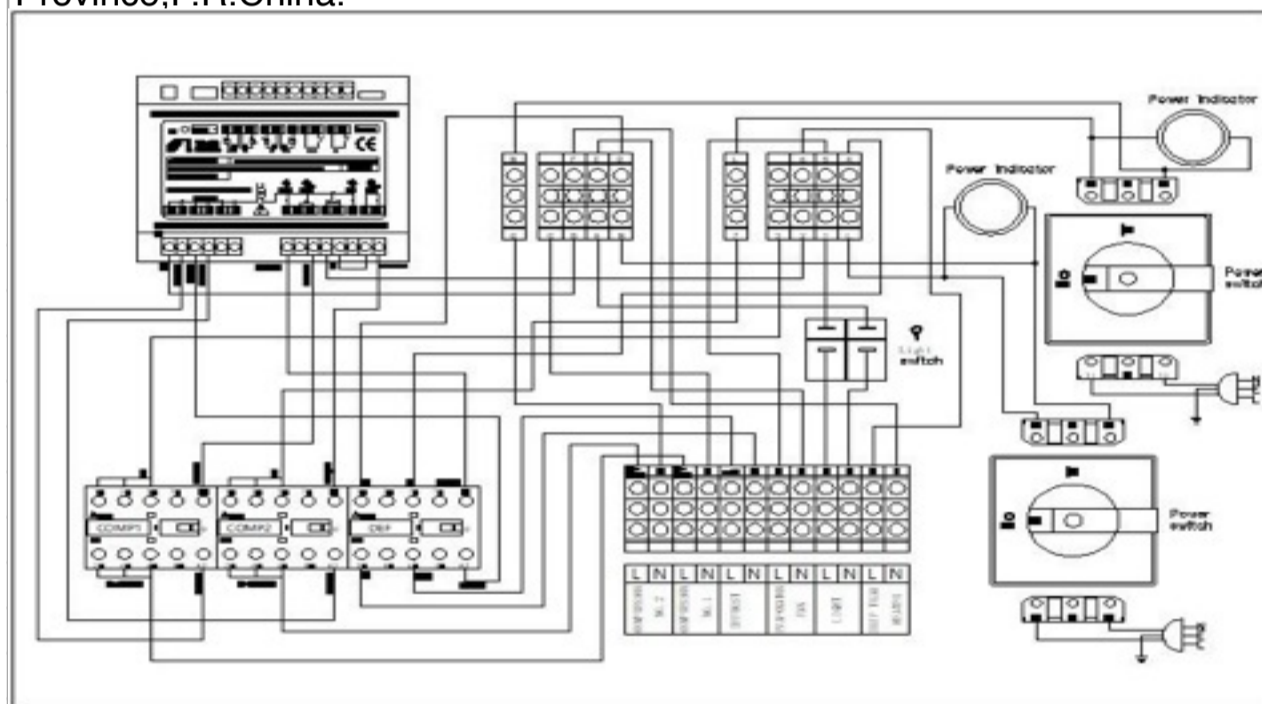


Name plate:

COMMERCIAL DISPLAY CABINET	
Model	SD75/180SH
Voltage/Frequency	220-240/50Hz
Rating current	18.2A
Refrigerant	R452A / R404A (R290 Available)
Compressor	Tecumseh CAJ4517Z
Controller	LAE LF28DE
Vesicant	CO2

Name:FROST TECH

Address:Xiaowu Industrial Zone Dongchong Town,Nansha District,Guangzhou,Guangdong Province,P.R.China.



**Product details:**

Cabinet family code	VC2
Cabinet type	Integral
Model number of Unit Under Tested	SD75/180SH
Brand name	FROST TECH
Operating temperature(s)	Chilled
Category	Vertical and combined supermarket refrigerator cabinets
Energy efficiency class	E
Climate class	3
M Package TemperatureClass	M2
Doors	Shutter door
Shelves	8 shelves(4 layers)
Light	LED tube
Refrigerant	R452A - R404A (R290 Available)
Charge of refrigerant(g)	1100g
Over all dimensions(W*D*H)[mm]	750*1800*1950

**Performance parameter:**

Highest temperature of the warmest M-package of the compartment(s) with chilled operating temperatures (°C)	+7
Lowest temperature of the coldest M-package of the compartment(s) with chilled operating temperatures, or the highest minimum temperature of all M-packages of the compartment(s) with chilled operating temperatures (°C)	-1

**Critical Components:**

Name	Manufacturer/trademark	Type/model	Technical data
Compressor	TECUMSEH	CAJ4517Z	220-240V,50Hz
Controller	LAE	LF28DE	220-240V,50Hz

**Test Condition:**

Dry Bulb	25±1°C
Relativehumidity	60±3%
Input Voltage	230V
InputFrequency	50Hz

**Temperature and total display area Tests:**

Temperature Class	Symbol	TemperatureTest(°C)			Total display area test(m
		Temperature	Limit	Verdict	
M2	θah	6.3	≤7	Pass	3.35
	θb	1.2	≥-1	Pass	

**Calculation for EEI and conclusion:**

Total display area TDA(m	3.35
M	9.1
N	9.1
P	1.1
Y	3.35
C	1
Calculation formula	SAE:365*P*(M+N*Y)*C
Standard annual enery consumption SAE(Kwh/24h)	15900
Daily energy consumption Edaily (kWh/24h)	28
Annual energy consumption AE(kWh/a)	10220
Energy Efficiency Index EEI	64
Energy efficiency class	E
From 1 March 2021:EEI<100,Ice-cream freezers:EEI<80	Pass
From 1 September 2023:EEI<80,Ice-cream freezers:EEI<50	Pass



