

# 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)	SOP75/100
Voltage/Frequency	220-240V,50Hz
Rating current	6A
Drip tray Rating current	3A
Teststandard(s)orcriteria(s)	(EU)2019/2018 (EU)2019/2024 ENISO23953-2:2015

**Conclusion**  
 The results are in compliance with there requirements of the EC regulation 2019/2024.  
 Energy efficiency class: D

Prepared by:He Jianjin

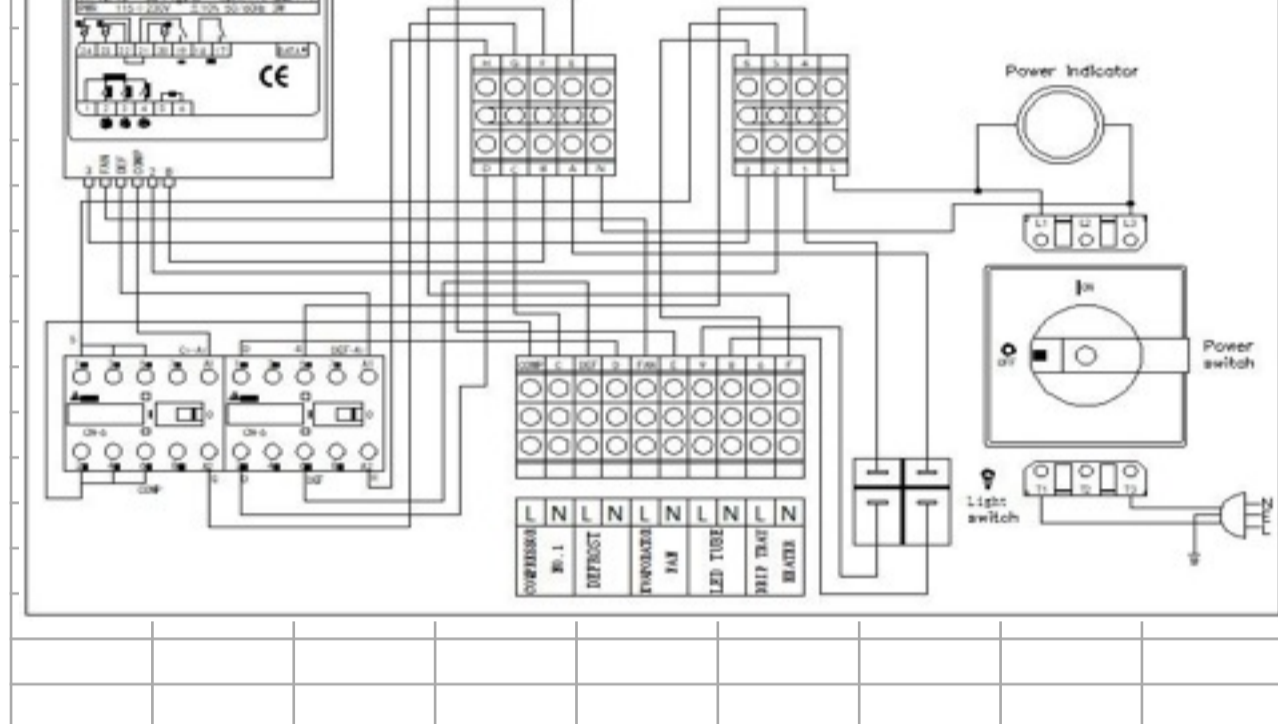
Photo 1 - Front view:



Name plate:

COMMERCIAL DISPLAY CABINET	
Model	SOP75/100
Voltage/Frequency	220-240/50Hz
Total Rating current	9A
Refrigerant	R452A-R448A (R290 Available)
Compressor	Tecumseh CAJ4517Z
Controller	LAE AD2-5C
Vesicant	CO2

Name:FROST TECH  
 Address:Xiaowu Industrial Zone Dongchong Town,Nansha



Product details:

Cabinet family code	VC2
Cabinet type	Integral
Model number of Unit Under Tested	SOP75/100
Brand name	FROST TECH
Operating temperature(s)	Chilled
Category	Vertical and combined supermarket refrigerator cabinets
Energy efficiency class	D
Climate class	3
M Package TemperatureClass	M2
Doors	Rear Sliding Doors
Shelves	3 Toughened glass shelves
Light	LED STRIP
Refrigerant	R452A-R448A (R290 Available)
Charge of refrigerant(g)	950
Over all dimensions(W*D*H)[mm]	1000*750*1400

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	AD2-5C	220-240V,50Hz

Test Condition:

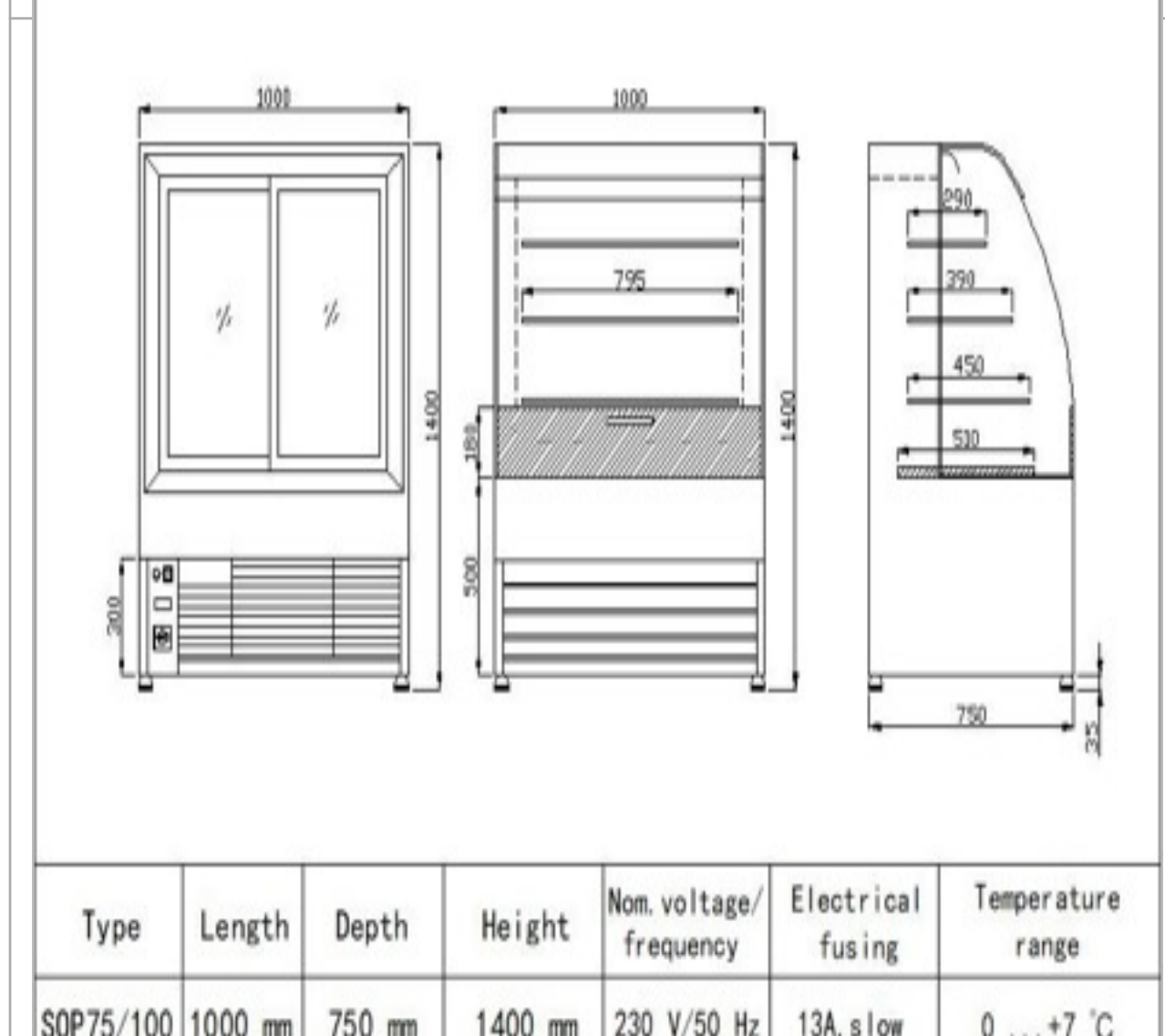
Dry Bulb	25±1°C
Relativehumidity	60±3%
Input Voltage	230V
InputFrequency	50Hz

Temperature and total display area Tests:

Temperature Class	Symbol	TemperatureTest(°C)			Total display area test(m)
		Temperature	Limit	Verdict	
M2	θah	5.9	≤7	Pass	
	θb	2.1	≥1	Pass	

Calculation for EEI and conclusion:

Total display area TDA(m)	1.88
M	9.1
N	9.100
P	1.1
Y	1.88
C	1
Calculation formula	SAE:365*P*(M+N*Y)*°C
Standard annual engery consumption SAE(Kwh/24h)	10522.5
Daily energy consumption Edaily (kWh/24h)	14
Annual energy consumption AE(kWh/a)	5110
Energy Efficiency Index EEI	48.56
Energy efficiency class	D
From 1 March 2021:EEI<100,Ice-cream freezers:EEI<80	Pass
From 1 September 2023:EEI<80,Ice-cream freezers:EEI<50	Pass



Type	Length	Depth	Height	Nom. voltage/frequency	Electrical fusing	Temperature range
SOP75/100	1000 mm	750 mm	1400 mm	230 V/50 Hz	13A, slow	0 ... +7 °C



