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)	ECO P60/90B
Voltage/Frequency	220-240V,50Hz
Rating current	2.05A
Drip tray Rating current	n/a
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: C

Prepared by:He Jianjin

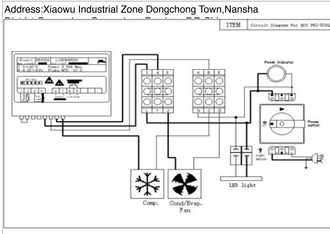
Photo 1 - Front view:

Name plate:

COMMERCIAL DISPLAY CABINET	
Model	ECO P60/90B
Voltage/Frequency	220-240/50Hz
Rating current	2.05A
Refrigerant	R134A/200g
Compressor	AE4425Y
Controller	DIXEL XR02CX
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	ECO P60/90B
Brand name	FROST TECH
Operating temperature(s)	Chilled
Category	Vertical and combined supermarket refrigerator cabinets
Energy efficiency class	C
Climate class	3
M Package TemperatureClass	M2
Doors	Rear Sliding Doors
Shelves	3 Toughened glass shelves
Light	LED tube
Refrigerant	R134A
Charge of refrigerant(g)	200
Over all dimensions(W*D*H)[mm]	900*600*1185

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	AE4425Y	220-240V,50Hz
Controller	DIXEL	XR02CX	220-240V,50Hz

Test Condition:

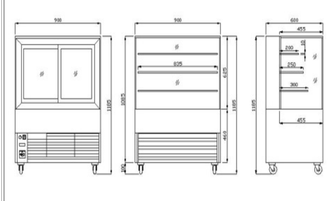
Dry Bulb	25±1°C
Relativehumidity	60±3%
Input Voltage	230V
InputFrequency	50Hz

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	1.2
	θb	2.1	≥-1	Pass	

Calculation for EEI and conclusion:

Total display area TDA(m	1.2
M	9.1
N	9.100
P	1.1
Y	1.2
C	1
Calculation formula	SAE:365*P*(M+N*Y)*C
Standard annual engery consumption SAE(Kwh/24h)	8038
Daily energy consumption Edaily (kWh/24h)	6
Annual energy consumption AE(kWh/a)	2190
Energy Efficiency Index EEI	27.2
Energy efficiency class	C
From 1 March 2021:EEI<100,Ice-cream freezers:EEI<80	Pass
From 1 September 2023:EEI<80,Ice-cream freezers:EEI<50	Pass


900
900
600
ø55
ø30
ø25
250
360
ø55
1185
1185
1185