# 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 LD75/60 C.C. |
| Voltage/Frequency | 220-240V,50Hz |
| Rating current | 3.92A |
| 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: D |

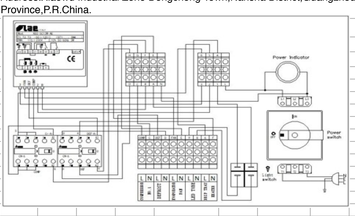
Prepared by:He Jianjin

Photo 1 - Front view:

Name plate:

| COMMERCIAL DISPLAY CABINET | |
|---|---|
| Model | ECO LD75/60 C.C. |
| Voltage/Frequency | 220-240/50Hz |
| Rating current | 6.92A |
| Refrigerant | R452A / R404A (R290 Available) |
| Compressor | Tecumseh CAJ9510Z |
| Controller | LAE AD2-5C |
| 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 | ECO LD75/60 C.C. |
| 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 | N/A |
| Shelves | 3 Toughened glass shelves |
| Light | LED strip light |
| Refrigerant | R452A / R404A (R290 Available) |
| Charge of refrigerant(g) | 750g |
| Over all dimensions(W*D*H)[mm] | 600*750*1450 |

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 | CAJ9510Z | 220-240V,50Hz |
| Controller | LAE | AD2-5C | 220-240V,50Hz |

Test Condition:

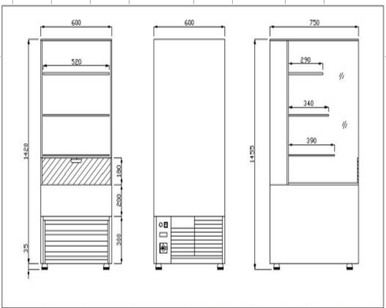
| | |
|---|---|
| Dry Bulb | 25±1°C |
| Relativehumidity | 60±3% |
| Input Voltage | 230V |
| InputFrequency | 50Hz |

Temperature and total display area Tests:

| Temperature Class | Symbol | TemperatureTest(°C) | | | Total display |
|---|---|---|---|---|---|
| | | Temperature | Limit | Verdict | area test(m |
| M2 | θah | 6.1 | ≤7 | Pass | 1.25 |
| | θb | 0.5 | ≥-1 | Pass | |

Calculation for EEI and conclusion:

| | |
|---|---|
| Total display area TDA(m | 1.25 |
| M | 9.1 |
| N | 9.100 |
| P | 1.1 |
| Y | 1.25 |
| C | 1 |
| Calculation formula | SAE:365*P*(M+N*Y)*C |
| Standard annual engery consumption SAE(Kwh/24h) | 8220.71 |
| Daily energy consumption Edaily (kWh/24h) | 11.03 |
| Annual energy consumption AE(kWh/a) | 4028 |
| Energy Efficiency Index EEI | 49 |
| 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 |
|---|---|---|---|---|---|---|
| ECO-LD 75/60.C.C | 600 mm | 750 mm | 1455 mm | 230 V/50 Hz | 13A,slow | 0 ...+7 °C |

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