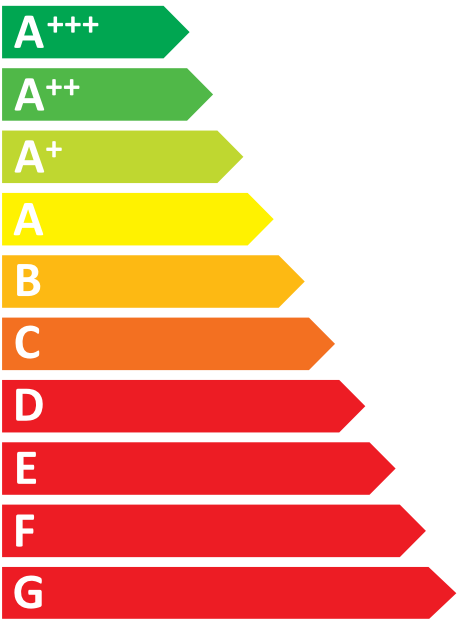
ENERGY

FROST TECH ECO-SUF60



A

474
kWh/annum

125 L

- L

4
30°C-55%

2015/1094-IV

Freezer Under Counter Storage 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 Description	Freezer under counter storage cabinet The product covered by this report is a commercial used,cord connected freezer storage cabinet.
Model(s)	ECO-SUF60
Voltage/Frequency	220-240V,50Hz
Rating current	1.5A
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: A

Prepared by:He Jianjin

Photo 1 - Front view:

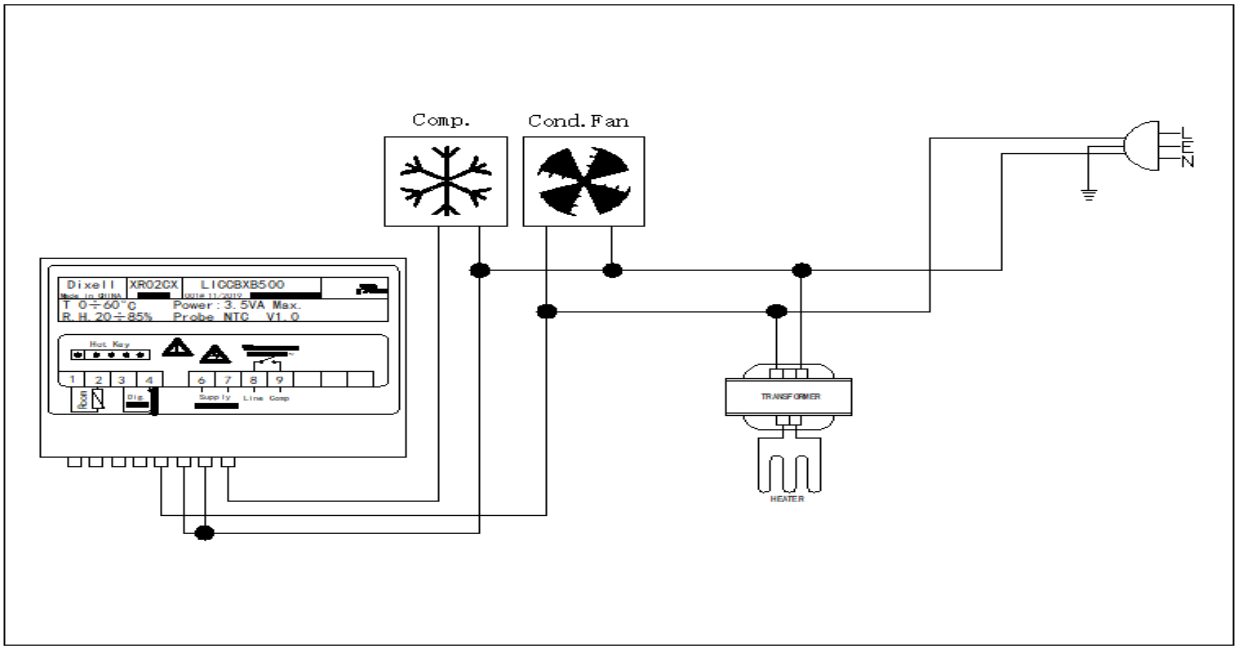
Name plate:

COMMERCIAL STORAGE CABINET	
Model	ECO-SUF60
Voltage/Frequency	220-240/50Hz
Rating current	1.5A
Refrigerant	R404A/180g
Compressor	SECOP TL4CL
Controller	DIXEL XR02CX
Vesicant	Cyclopentane

Name:FROST TECH

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

Photo 2 - Circuit diagram:



Product details:

Cabinet family code	SFV-ND
Cabinet type	Integral
Model number of Unit Under Tested	ECO-SUF60
Brand name	FROST TECH
Operating temperature(s)	FREEZER
Category	Vertical and combined storage freezer cabinets
Energy efficiency class	A
Climate class	4
M PackageTemperatureClass	L1
Doors	1 Self-closing hinged door
Shelves	2 shelves
Light	N/A
Refrigerant	R404A
Charge of refrigerant(g)	180g
Over all dimensions(W*D*H)[mm]	600*650*890

Performance parameter:

Highest temperature of the warmest M-package of the compartment(s) with chilled operating temperatures (°C)	-15°C
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)	-18°C

Critical Components:

Name	Manufacturer/trademark	Type/model	Technical data
Compressor	SECOP	TL4CL	220-240V,50Hz
Controller	DIXEL	XR02CX	220-240V,50Hz

Test Condition:

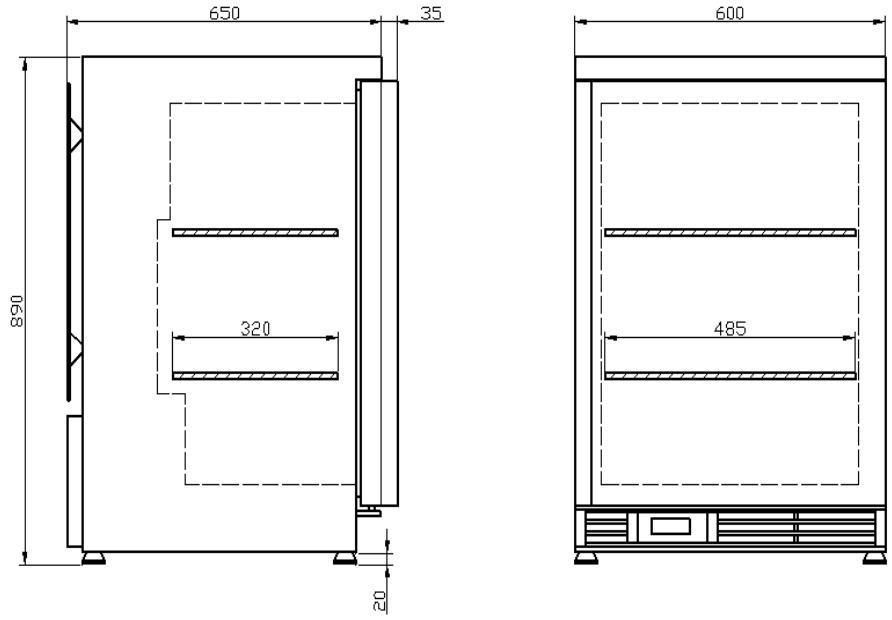
Dry Bulb	30±1℃
Relativehumidity	55±3%
Input Voltage	230V
InputFrequency	50Hz

Temperature and total display area Tests:

Temperature Class	Symbol	TemperatureTest(℃)			Total Volume
		Temperature	Limit	Verdict	Liters
L1	θah	-17	≥-15	Pass	125
	θb	-18	≤-18	Pass	

Calculation for EEI and conclusion:

Total Volume/Liters	125
M	4.928
N	1472
Vn	125
Calculation formula	SAEC=(M*Vn)+N
Standard annual engery consumption SAE(KWh/a)	2088
Daily energy consumption Edaily (kWh/24h)	1.3
Annual energy consumption AEC(kWh/a)	474.5
Energy Efficiency Index EEI=AEC/SAEC *100	19.8
Energy efficiency class	A
	Pass



Type	Length	Depth	Height	Nom. voltage/ frequency	Electrical fusing	Temperature range
ECO-SUF60	600 mm	610 mm	890 mm	230 V/50 Hz	13A, slow	0 ...+7 °C