



ENERGY

FROST TECH

ECO-USF60

A+++

A++

A+

A

B

C

D

E

F

G

B

1058
kWh/annum



320L



-L



4

30°C-55%

2015/1094-IV

Upright Frreezer 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

Upright freezer storage cabinet

Description

The product covered by this report is a
commercial used,cord connected
upright Freezer storage cabinet.

Model(s)

ECO-USF60

Voltage/Frequency

220-240V,50Hz

Rating current

2A

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: B

Prepared by:He Jianjin

Photo 1 - Front view:



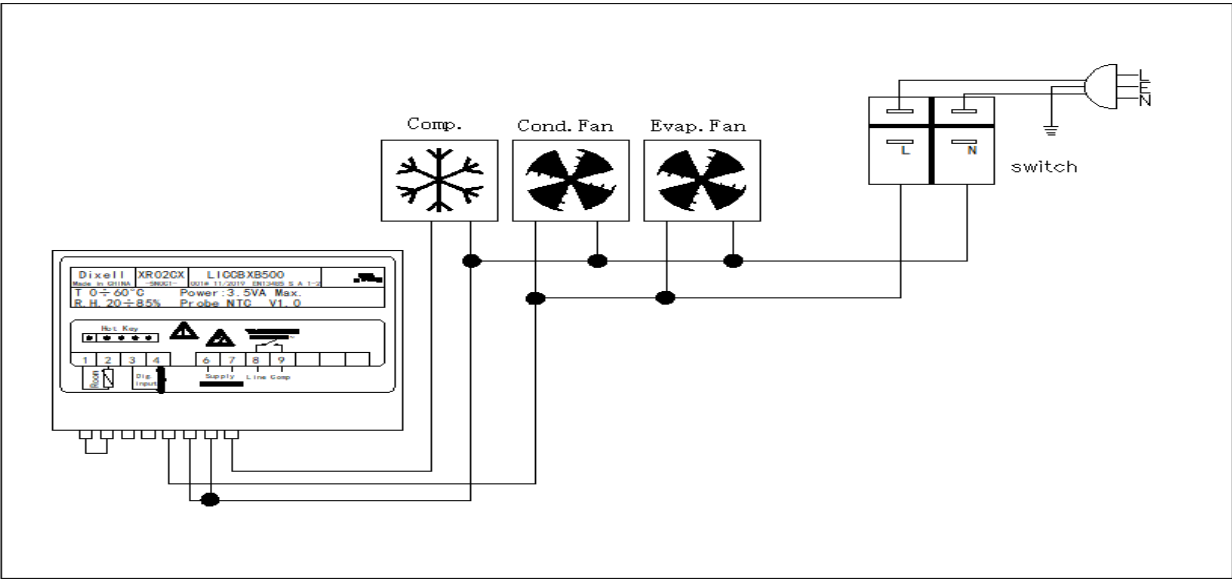
Name plate:

COMMERCIAL STORAGE CABINET	
Model	ECO-USF60
Voltage/Frequency	220-240/50Hz
Rating current	2A
Refrigerant	R134A/200g
Compressor	Secop SC12G
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-USF60
Brand name	FROST TECH
Operating temperature(s)	Freezer
Category	Vertical Storage Freezer cabinets
Energy efficiency class	B
Climate class	4
M PackageTemperatureClass	L1
Doors	1 Self-closing hinged door
Shelves	5
Light	N/A
Refrigerant	R134A
Charge of refrigerant(g)	200g
Over all dimensions(W*D*H)[mm]	655*600*1910

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	SC12G	220-240V,50Hz
Controller	DIXEL	XR02CX	220-240V,50Hz

Test Condition:

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

Temperature and total display area Tests:

Temperature Class	Symbol	TemperatureTest(°C)			Total VOLUME
		Temperature	Limit	Verdict	LITERS
L1	θ _{ah}	-17	≥ -15	Pass	320
	θ _b	-18	≤ -18	Pass	

Calculation for EEI and conclusion:

Total Volume /Liters	320
M	4.928
N	1472
V _n	320
Calculation formula	SAEC=(M*V _n)+N
Standard annual engery consumption SAEC(KWh/a)	3048
Daily energy consumption E _{daily} (kWh/24h)	2.9
Annual energy consumption AEC(kWh/a)	1058.5
Energy Efficiency Index EEI=AEC/SAEC *100	34.7
Energy efficiency class	B
	Pass

