



ENERGY

FROST-TECH

ECO-USC60

A+++

A++

A+

A

B

C

D

E

F

G

B

394
kWh/annum



320L



-L



4

30°C-55%

2015/1094-IV

Refrigerated Upright 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	Refrigerated upright storage cabinet
Description	The product covered by this report is a commercial used,cord connected refrigerated upright storage cabinet.
Model(s)	ECO-USC60
Voltage/Frequency	220-240V,50Hz
Rating current	1.7A
Test standard(s)or criteria(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:

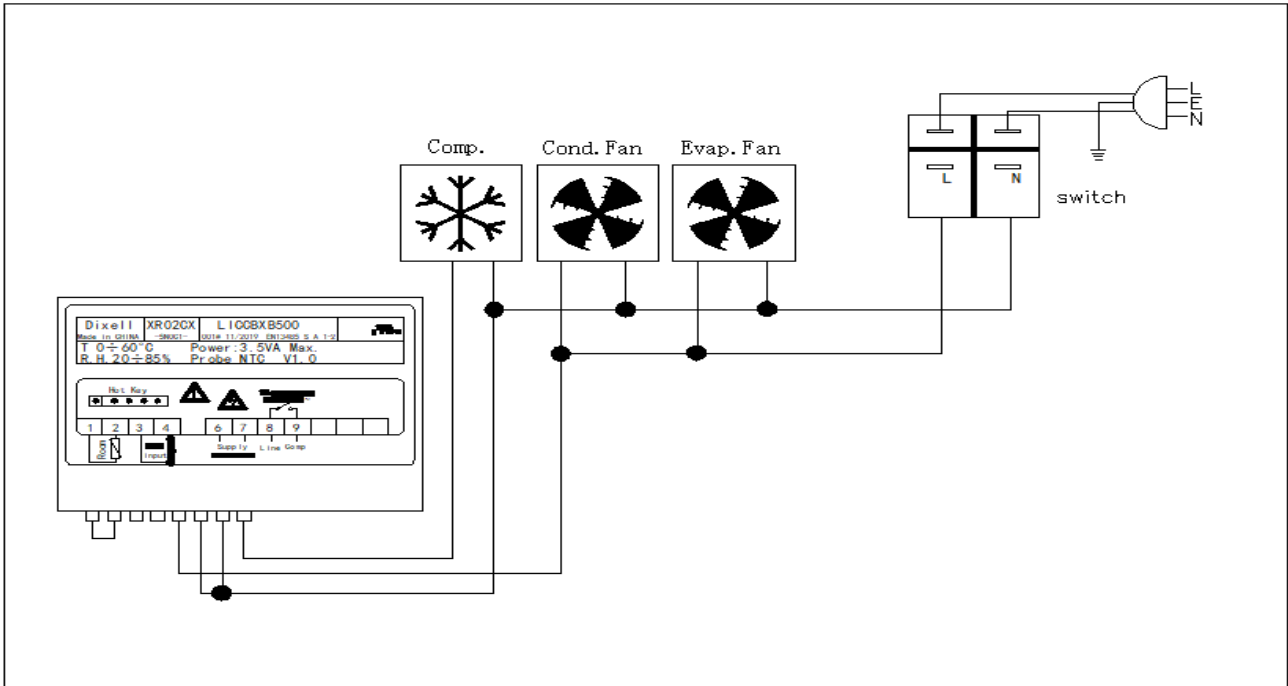


Name plate:

COMMERCIAL STORAGE CABINET	
Model	ECO-USC60
Voltage/Frequency	220-240/50Hz
Rating current	1.7A
Refrigerant	R134A/210g
Compressor	Tecumseh AE4425Y
Controller	DIXEL XR02CX
Vesicant	Cyclopentane

Name:FROST TECH

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



Product details:

Cabinet family code	SRV-ND
Cabinet type	Integral
Model number of Unit Under Tested	ECO-USC60
Brand name	FROST TECH
Operating temperature(s)	Chilled
Category	Vertical Storage refrigerator cabinets
Energy efficiency class	B
Climate class	4
M PackageTemperatureClass	M2
Doors	1 Self-closing hinged door
Shelves	5 adjustable shelves
Light	N/A
Refrigerant	R134A
Charge of refrigerant(g)	210g
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	+7 °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)	-1 °C

Critical Components:

Name	Manufacturer/trademark	Type/model	Technical data
Compressor	TECUMSEH	AE4425Y	220-240V,50Hz
Controller	DIXEL	XR02CX	220-240V,50Hz

Test Condition:

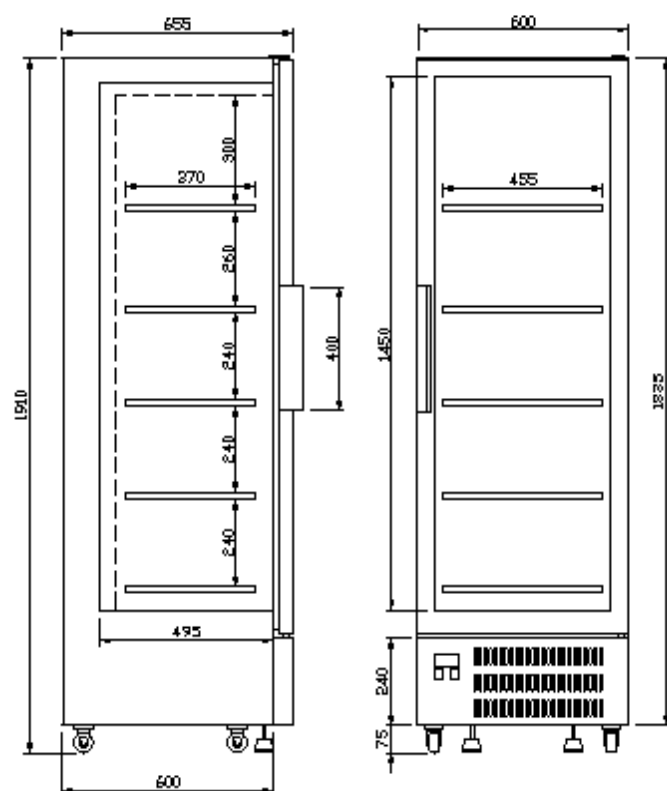
Dry Bulb	$30 \pm 1^{\circ}\text{C}$
Relative humidity	$55 \pm 3\%$
Input Voltage	230V
InputFrequency	50Hz

Temperature and total display area Tests:

Temperature Class	Symbol	TemperatureTest($^{\circ}\text{C}$)			Total Volume
		Temperature	Limit	Verdict	Liters
M2	θ_{ah}	4.8	≤ 7	Pass	320
	θ_b	2.1	≥ -1	Pass	

Calculation for EEI and conclusion:

Total Volume/Liters	320
M	1.643
N	609
Vn	320
Calculation formula	$\text{SAEC} = (\text{M} * \text{Vn}) + \text{N}$
Standard annual engery consumption SAEC (KWh/a)	1134.76
Daily energy consumption E _{daily} (kWh/24h)	1.08
Annual energy consumption AEC(kWh/a)	394.2
Energy Efficiency Index $\text{EEI} = \text{AEC} / \text{SAEC}$	34.7
Energy efficiency class	B
	Pass



Type	Length	Depth	Height	Nom. voltage/ frequency	Electrical fus ing	Temperature range
ECO USC60	600 mm	655 mm	1910 mm	230 V/50 Hz	13A, slow	0 ... +7 °C