Professional Refrigerated Cabinet ErP Test Report

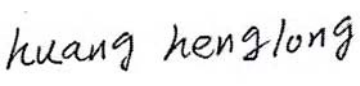
Test Laboratory Name / Address
Guangdong Xingxing Refrigeration Equipment Co., Ltd.
Nanbian Industrial Park, Leping,Sanshui, Foshan, Guangdong, China.
Applicant Name / Address
Guangdong Xingxing Refrigeration Equipment Co., Ltd.
Nanbian Industrial Park, Leping,Sanshui, Foshan, Guangdong, China.
Manufacturing Name / Address
Guangdong Xingxing Refrigeration Equipment Co., Ltd.
Nanbian Industrial Park, Leping,Sanshui, Foshan, Guangdong, China.

Brand Name	U-STAR
Product	Professional refrigerated cabinet
Description	The product covered by this report is a Professional, indoor used, cord connected freezer cabinet.
Model(s)	GX-PA800BT-HC
Model Similarity	N/A
Ratings	220-240V~, 50Hz, 3.6A
Date of receipt of sample(s)	2021/04/28
Date range of test	2021/04/29- 2021/05/07
Test standard(s) or criteria(s)	(EU) 2015/1095 + (EU) 2016/2282; (EU) 2015/1094 + (EU) 2017/254; EN 16825:2016
Conclusion	These results are in compliance with the requirements of the EC regulation 2015/1095. Energy efficiency class: D

Prepared by: Yang Fulai

Signature: 

Approved by: Huang Henglong

Signature: 

Photos:

Photo 1 - Front view



Photo 2 - Rear view



Photo 3 - Front view with door open



Photo 4 - Label of compressor



Product Details:

Model number of Unit Under Tested	GX-PA800BT-HC
Condition of sample(s)	Prototype
Operating temperature(s)	☐Chilled
	☑Frozen
	☐Multi-use
Declared temperature class for multi-use compartment	N/A
Category	vertical cabinet
M Package Temperature Class	L1
Number of doors	1
Duty	Normal
Refrigerant	R290
Refrigerant GWP	3
Charge of refrigerant (g)	95
Overall dimensions (W*D*H)[mm]	740*990*2010

Critical Components:

Name	Manufacturer/trademark	Type/model	Technical data
Compressor	cubigel	NPY12LA	220 - 240 V~, 50 Hz, R290

Test Condition:

Dry Bulb	30±1 ℃
Relative humidity	55±5%
Input Voltage	230V
Input Frequency	50Hz

Temperature and Volume Tests:

Temperature Class	Symbol	Temperature Test(℃)			Volume Test(L)
		Temperature	Limit	Verdict	
Chilled	θah	--	--	N/A	N/A
	θb	--	--	N/A	
	θal	--	--	N/A	
Frozen	θah	-17.7	≤-15	Pass	612
	θb	--	--	N/A	
	θal	-19.1	≤-18	pass	
Multi-use	θah	--	--	N/A	N/A
	θb	--	--	N/A	
	θal	--	--	N/A	

Conclusion:

Net volume of the appliance(L)	612
Energy consumption 24h(kWh/24h)	7.32
Adjustment factor *af*	N/A
Annual Energy Consumption AEC(kWh/yr)	2671.8
Standard Annual Energy Consumption SAEC((kWh/yr)	4488
Energy Efficiency Index EEI	59.5
Energy efficiency class	D
From 1 July 2019: EEI < 85, with the exception of heavy-duty cabinets and refrigerator-freezers	Pass

Revision Summary:

Date	Project Handler/ Reviewer	Item	Description of Change
			None