Professional Refrigerated Cabinet ErP Test Report

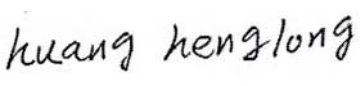
Test Laboratory Name / Address
Guangdong Xingxing Refrigeration Equipment Co., Ltd.
Nanbian Industrial Park, Leping,Sanshui, Foshan, Guangdong, China.
Applicant Name / Address
Guangdong Xingxing Refrigeration Equipment Co., Ltd.
Nanbian Industrial Park, Leping,Sanshui, Foshan, Guangdong, China.
Manufacturing 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 refrigerated cabinet.
Model(s)	GX-GN3100TN-HC
Model Similarity	N/A
Ratings	220-240V~, 50Hz, 1.3A
Date of receipt of sample(s)	2022/8/1
Date range of test	2022/8/2- 2022/8/6
Test standard(s) or criteria(s)	(EU) 2015/1095 + (EU) 2016/2282; (EU) 2015/1094 + (EU) 2017/254; EN ISO 22041:2019
Conclusion	These results are in compliance with the requirements of the EC regulation 2015/1095. Energy efficiency class: C

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-GN3100TN-HC
Condition of sample(s)	Prototype
Operating temperature(s)	☑ Chilled
	☐Frozen
	☐Multi-use
Declared temperature class for multi-use compartment	N/A
M Package Temperature Class	M1
Category	Counter
Number of doors	3
Duty	Normal
Refrigerant	R290
Refrigerant GWP	3
Charge of refrigerant (g)	56
Overall dimensions (W*D*H)[mm]	1795*700*850

Critical Components:

Name	Manufacturer/trademark	Type/model	Technical data
Compressor	cubigel	NUM60CA 1	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	4.3	≤ 5	Pass	312
	θb	-0.7	≥-1	Pass	
	θal	--	--	N/A	
Frozen	θah	--	--	N/A	N/A
	θb	--	--	N/A	
	θal	--	--	N/A	
Multi-use	θah	--	--	N/A	N/A
	θb	--	--	N/A	
	θal	--	--	N/A	

Conclusion:

Net volume of the appliance(L)	312
Energy consumption 24h(kWh/24h)	3.195
Adjustment factor *af*	N/A
Annual Energy Consumption AEC(kWh/yr)	1166.18
Standard Annual Energy Consumption SAEC((kWh/yr)	2587.2
Energy Efficiency Index EEI	45.1
Energy efficiency class	C
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