



TEST REPORT

ENERGY EFFICIENCY - REFRIGERATING APPLIANCE

Report No.: LMO-EGZ-P25020262
Testing Laboratory/Address: Bureau Veritas Consumer Products Services (Guangzhou) Co., Ltd,
Science City Branch
Rm.101,G5 Building, South China Advanced Materials Innovation Park,
NO.31 Kefeng Rd, Guangzhou Science City, Guangzhou, 510663 China
Applicant/Address: Aosom Canada Inc.
7270 Woodbine Avenue, Unit 307, Markham, Ontario Canada
Manufacturing site/Address: Ningbo Lamo Electric Appliance
Rongyu Village, Xipu Town, Cixi, Zhejiang315322, P.R.China
Testing Location/Address: No.99 Xingjian Road, Cixi City, Zhejiang Province, China
Product: Refrigerator
Trade Name: HOMCOM
Model(s): 800-195V80WT(BD-100), 800-195V80BK(BD-100),
800-195V80SR(BD-100)
Model Similarity: All models are exactly the same except for model name.
Ratings: 115V, 60Hz
Date of receipt of sample(s): 25-Apr-2020
Date Range of Test: 26-Apr-2020 to 27-May-2020
Test standard(s) or criteria(s): CAN/CSA-C300-15
Conclusion: The product tested complies with the NRCan's Requirements for
Residential Refrigerators.
Issue Date: 10-Jul-2025
Revise Date: NONE

Prepared by: Mickey KONG
Title: Project Engineer

Approved by: Henry DENG
Title: Assistant Technical Supervisor

Signature: _____

Mickey Kong

Signature: _____

Henry Deng

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Photos:

Photo 1 - Front



Photo 2 - Rear



Photo 3 - Front view with open door



Photo 4 - compressor





Photo 5 - Nameplate 800-195V80WT(BD-100)

Model/Modèle: 800-195V80WT(BD-100)
Freezer

ETL CONFORMS TO UL STD. 60335-1&60335-2-24, CERTIFIED TO CAN/CSA STD. C22.2 NO.60335-1&60335-2-24

Intertek 3082427

Thermostat/Thermostat

WARNING: This product can expose you to chemicals including Lead and Lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

AVERTISSEMENT: ce produit peut vous exposer à des produits chimiques, y compris le plomb et les composés du plomb, que la Californie sait causer le cancer, des malformations congénitales ou d'autres dommages à la reproduction. Pour plus d'informations, visitez www.P65Warnings.ca.gov

SPECIFICATIONS/SPECIFICATIONS

DESIGN PRESSURE/PRESSION DE CONCEPTION	High Side/haute pression: 1.68MPa(245psi)
Low Side/basse pression:	0.69MPa(100psi)
REFRIGERANT/REFRIGÉRANT	R600A
AMBIENT/AMBIENT	1.788psi
RATED VOLTAGE/TENSION NOMINALE	115V
RATED FREQUENCY/FRÉQUENCE NOMINALE	60Hz
RATED CURRENT/COURANT ÉVALUÉ	1.3A
ISOLATION SOUTILANT LE GAZ	CSH10
NET WEIGHT/POIDS NET	53lb4
MANUFACTURED DATE/DATE DE FABRICATION	2023/12
Estimated Yearly Electricity Use	226kWh

CAUTION - Risk of fire or explosion. Flammable refrigerant used.
To be repaired only by trained service personnel.
DO NOT use mechanical devices to defrost refrigerator.
DO NOT puncture refrigerant tubing.
DANGER - Risque d'incendie ou d'explosion. Réfrigérant inflammable utilisé.
Pour être réparé que par du personnel qualifié.
Ne pas percer la tuyauterie du réfrigérant.
CAUTION - Risk of fire or explosion. Flammable refrigerant used.
Consult repair manual / owner's guide before attempting to service this product. All safety precautions must be followed.
AVERTISSEMENT - Risque d'incendie ou d'explosion. Réfrigérant inflammable utilisé. Consultez réparation manuelle / propriétaire, guide avant d'essayer de réparer ce produit. Toutes les précautions doivent être suivies.
CAUTION - Risk of fire or explosion. Dispose of property in accordance with federal or local regulations. Flammable refrigerant used.
AVERTISSEMENT - Risque d'incendie ou d'explosion. Aliéner des biens conformément à la réglementation fédérale ou locale.
Réfrigérant inflammable utilisé.
CAUTION - Risk of fire or explosion due to puncture of refrigerant tubing; Follow handling instructions carefully. Flammable refrigerant used.
AVERTISSEMENT - Risque d'incendie ou d'explosion dus à la perforation des tuyaux de fluide réfrigérant, suivez attentivement les instructions remises. Réfrigérant inflammable utilisé.

FREE-STANDING INSTALLATION ONLY
INSTALLATION NON ENCASTRÉE SEULEMENT

Made in China
Fabrique en Chine



Remark: Bureau Veritas Consumer Products Services Inc. EEV Listing Mark will be marked on the packaging with CS number CS37538.

Photo 6 - Nameplate 800-195V80BK(BD-100)

Model/Modèle: 800-195V80BK(BD-100)
Freezer

ETL CONFORMS TO UL STD. 60335-1&60335-2-24, CERTIFIED TO CAN/CSA STD. C22.2 NO.60335-1&60335-2-24

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Photo 7 - Nameplate 800-195V80SR(BD-100)

Model/Modèle: 800-195V80SR(BD-100)
Freezer

ETL CONFORMS TO UL STD. 60335-1&60335-2-24, CERTIFIED TO CAN/CSA STD. C22.2 NO.60335-1&60335-2-24

Intertek 3082427

Thermostat/Thermostat

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RATED FREQUENCY/FRÉQUENCE NOMINALE	60Hz
RATED CURRENT/COURANT ÉVALUÉ	1.3A
ISOLATION SOUTILANT LE GAZ	CSH10
NET WEIGHT/POIDS NET	53lb4
MANUFACTURED DATE/DATE DE FABRICATION	2023/12
Estimated Yearly Electricity Use	226kWh

CAUTION - Risk of fire or explosion. Flammable refrigerant used.
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Product Details

Item	Data
Model Number of Unit Under Tested	800-195V80WT(BD-100)
Serial Number	N/A
Condition of Sample(s)	Production
Product Type	Freezer
Product Class	16
Product Class Description	Compact upright freezers with manual defrost
Freezer Type	Upright Freezer
Standard-sized or Compact?	Compact
Anti-Sweat Heater Switch present?	No
Default position of Anti-Sweat Heater Switch?	N/A
How many separate auxiliary compartments does this unit have?	0
Does this unit have a Variable Anti-Sweat Heater?	No
Is this unit Demand-Response capable?	No
Does this unit have an automatic icemaker?	No
How many compressors does this unit have?	1
Defrost Control Type:	Non-automatic
Rated Volume of Fresh Food Compartment [ft ³]	N/A
Rated Volume of Freezer Compartment [ft ³]	3.00
Rated Volume of Cooler Compartment [ft ³]	N/A

Critical Components

Name	Manufacturer / trademark	Type / model	Technical data
Compressor	NingBo Anuodan Machinery Co., LTD	QD43Y11G	110-120V, 60Hz, R600a
Condensor	Cixi Tianxiang Electrical Factory	-	OutΦ:4*0.5*14600mm
Evaporator	Ningbo Ningzheng Aluminium Industry Co., Ltd	-	OutΦ:8*0.75*12300mm
Capillary	Ningbo Ningzheng Aluminium Industry Co., Ltd	-	OutΦ:1.8*Φ 0.6mm*2600
Thermostat	Yuyao Mingtong Electric Appliance Co., Ltd	W-L	125V, Cold point: ON - 21±2°C, OFF -25±1.5°C; Warm point: ON - 15±2°C, OFF -19±1.5°C



Volume

Item	Symbol	Unit	Value
Freezer Compartment	VF	ft ³	3.00
Fresh Food Compartment	VFF	ft ³	0.00
Cooler Compartment	VC	ft ³	0
Adjustment Factor for Freezer Compartment	CRF	-	1.76
Total Refrigerated Volume	VT	ft ³	3.0
Adjusted Total Volume	AV	ft ³	5.3

Energy Consumption Test :

Sample No.	1	2	3
Location of thermostat setting of the first test	Median	Median	Median
The average temperature in freezer compartment [°F]	-2.15	-1.95	-2.89
The average temperature in fresh food compartment [°F]	N/A	N/A	N/A
The average temperature in cooler compartment [°F]	N/A	N/A	N/A
Energy expended during the first test period [kWh]	0.4851	0.4475	0.5485
Length of time of the first test period [min]	924.5	846.5	1025.6
K correction factor	0.85	0.85	0.85
Test cycle energy expended during the first test cycle during which the highest fresh food compartment temperature is measured [kWh/d]	0.642	0.647	0.655
Location of thermostat setting of the second test	Warmest	Warmest	Warmest
The average temperature in freezer compartment [°F]	5.53	6.18	4.93
The average temperature in fresh food compartment [°F]	N/A	N/A	N/A
The average temperature in cooler compartment [°F]	N/A	N/A	N/A
Energy expended during the second test period [kWh]	0.6182	0.4122	0.3985
Length of time of the second test period [min]	1439.8	939.2	876.4
K correction factor	0.85	0.85	0.85
Test cycle energy expended during the second test cycle during which the highest fresh food compartment temperature is measured [kWh/d]	0.526	0.537	0.557
The average test cycle energy expended per day [kWh/d] (TR =3.9°C/39°F)	N/A	N/A	N/A
The average test cycle energy expended per day [kWh/d] (TF =-17.8°C/0°F)	0.610	0.621	0.618
The average test cycle energy expended per year [kWh/yr]	222.50	226.56	225.70
Sampling size	3		
Mean of sample [kWh/yr]	224.92		
Sample standard deviation [kWh/yr]	2.139		
UCL/1.1 [kWh/yr]	207.8		
The decided value [kWh/yr]	224.9		
The decided value [kWh/d]	0.616		
The rated energy consumption [kWh/yr]	225		
Maximum energy consumption limit [kWh/yr]	271.545		
Verdict	Pass		

Remark: the freezer was tested in a package-loaded condition

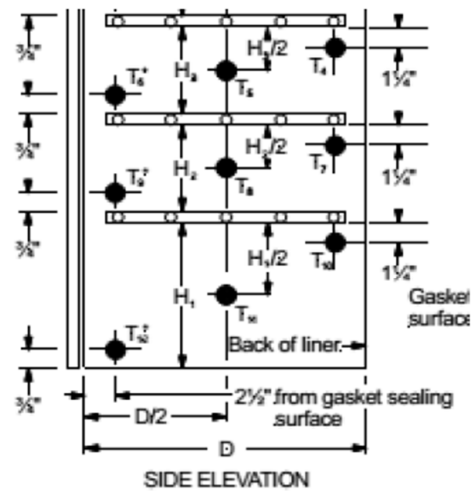


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Freezing capability calculation (with compressor QD43Y11G):

Sample No.	1	2	3
Location of thermostat setting of the first test in freezer compartment	Median	Median	Median
The average temperature in freezer compartment [°F]	-2.15	-1.95	-2.89
Ratio of the running time of the compressor	0.5420	0.5433	0.5489
Location of thermostat setting of the second test	Warmest	Warmest	Warmest
The average temperature in freezer compartment [°F]	5.53	6.18	4.93
Ratio of the running time of the compressor	0.4045	0.4068	0.4128
The average ratio of the running time of the compressor	0.504	0.511	0.499
Mean of sample	0.504		
Compressor thermal rating (W)	70		
Freezing capability [kg/24h]	5.9		

Thermocouple Locations



Total 9 thermocouples in the freezer compartment



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Test Instruments

Instrument Type	Brand	Type	Number	Range used	Accuracy	Calibration Date	Due Date
Digital Power Meter	YOKOGAWA	WT1600	-	-	-	7-Oct-2019	7-Oct-2020
Temperature Recorder	YOKOGAWA	DC100	-	-	-	7-Oct-2019	7-Oct-2020
Power	APC	AFC-31010T	-	-	-	7-Oct-2019	7-Oct-2020
Test chamber	Ligong	Haipu	-	-	-	7-Oct-2019	7-Oct-2020
Tape measure	DELI	DL9003	-	-	-	7-Oct-2019	7-Oct-2020

Revision Summary

[illegible]