

1.0 Reference and Address			
Report Number	2311A1711SHA-001	Original Issued: 5-Mar-2024	Revised: None
Standard(s)	ENERGY STAR® Program Requirements for Dehumidifiers Version 5.0		
Applicant	Rowan Electric Appliance LLC	Manufacturer 1	NINGBO FUDA INTELLIGENT TECHNOLOGY CO., LTD
Address	9733 Topanga Canyon Blvd.Apt 310Chtsworth, CA91311 USA	Address	NO.1 ZHENHUA ROAD, ZHENNAN VILLAGE, SIMEN TOWN,YUYAO, ZHEJIANG PROVINCE, CHINA
Country	USA	Country	CHINA
Contact	MS. LiFang Guo	Contact	Mr. Zhu Jinggeng
Phone	0086 15958804135	Phone	0086 13586765916
FAX	NA	FAX	NA
Email	july@nbrowan.com	Email	13586765916@163.COM

2.0 Product Description					
Product	Dehumidifier				
Brand Name	Auseo;ZAFRO;COWSAR				
Description	The product covered by this report is a household, indoor use,cord connected dehumidfier.				
Models	FDD22-5310V1R3				
Model Similarity	NA				
Ratings	115V, 60Hz, R32				
Other Ratings	NA				
Date Available	02/26/2024	Market Availability	Yes	OEM	NINGBO FUDA INTELLIGENT TECHNOLOGY CO. LTD
Major Markets	United States				
Trans Type	Initial Certification: Model Meets ENERGY STAR Requirements				
Notes					
UPC	6974201560684,6976557461332,6976557462117,6977125261088				
Reason no UPC					
Other reason no UPC					
Additional Model Details (Optional)	Model Name and Number	Identifying Information			
Original Certificate Actual Issued Date for Model Tested (Only Applies to Revised Reports)					NA

3.0 Product Photographs

Photo 1 - External view



Photo 2 - External view



3.0 Product Photographs

Photo 3 -Control Panel



4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1	1	Compressor	GUANGDONG MEIZHI COMPRESSOR LTD	KSK31E01CZH X3	115V, 60Hz, R32	NR
1	2	Capacitor for compressor	Various	Various	250VAC, 50/60Hz, 35µF	NR
1	3	Fan motor	Ningbo Fuda Intelligent Technology Co., Ltd	YYS10-4D	115VAC, 60Hz, 0.42A, 50W	NR
1	4	Capacitor for fan motor	Various	Various	250VAC, 50/60Hz, 3µF	NR
NOTES:						
<p>1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.</p> <p>2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.</p> <p>3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates: a) Unlisted and only visual examination is necessary or b) marks are not required to be verified.</p>						

5.0 Critical Unlisted CEC Components

Periodic Evaluation of Critical Unlisted Components by the Intertek Component Evaluation Centers (CEC) is not required under the INTERTEK ENERGY STAR Program.

6.0 Critical Features

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the ENERGY STAR® Program Requirements.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

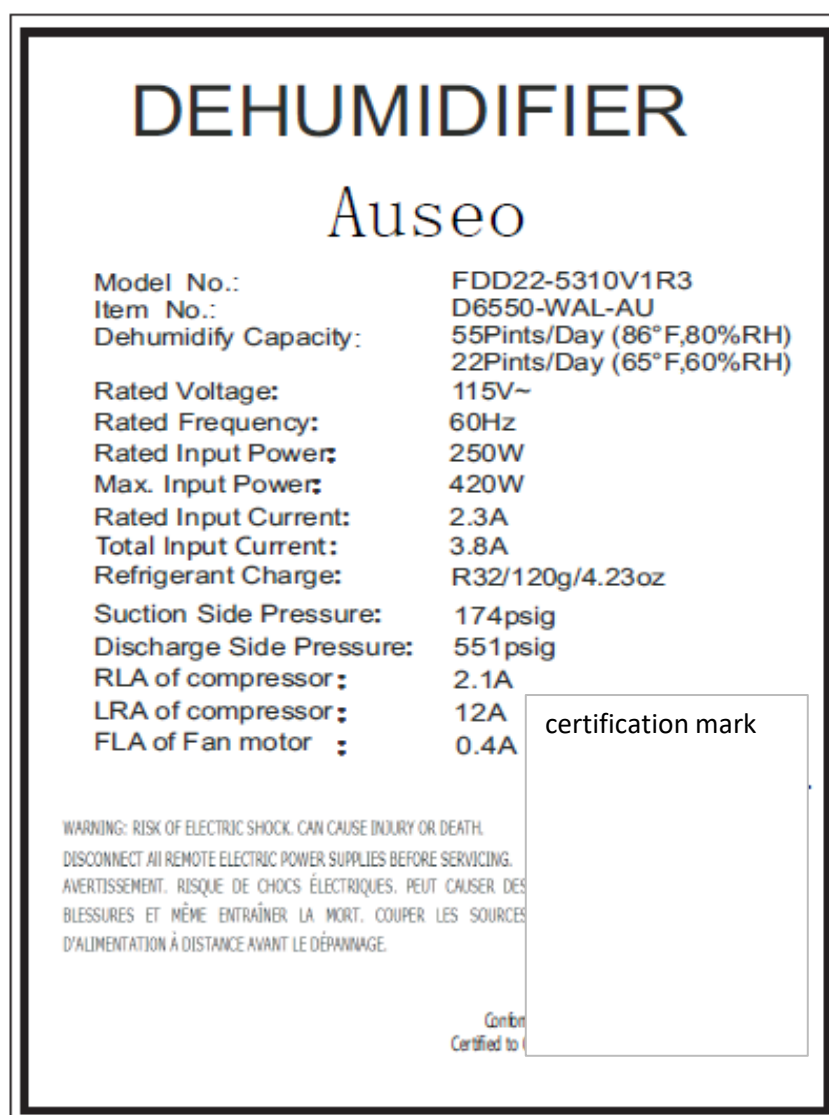
Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.



Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Product Safety Compliance - NA
2. EMI Compliance -NA
3. Schematics - NA
4. Installation, Operating and Safety Instructions - NA
5. Package Markings - NA
6. Warranty Information - NA

7.0 Illustrations

Illustration 1 - label



8.0 Test Summary			
Evaluation Period	02/01/2024-02/05/2024		Project No. 2311A1711SHA
Sample Rec. Date	01/26/2024	Condition Production	Sample ID. 0240123-001
Test Location	Intertek Testing Services Shanghai Ltd. Building No.86, 1198 Qinzhou Road North, Shanghai 200233, China (1105997)		
Test Procedure	Testing Lab	Test type	Qualification
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
The following requirements were evaluated:			
Required Submittal Information			Submittal Data
Model Name and/or Number tested			FDD22-5310V1R3
Date tested			02/05/2024
Serial number of Unit tested			1 Sample
ENERGY_STAR_Specification_Version*			5.0
Dehumidifier_Type*			Portable Dehumidifier
Alternate_Configuration*			No
Measured_Integrated_Energy_Factor_L_kWh*			1.7
Reported_Integrated_Energy_Factor_L_kWh*			1.7
Measured_Product_Capacity_pints_day*			23.1
Reported_Product_Capacity_pints_day*			22
Product_Case_Volume_cubic_feet			
Alternate_Configuration_Measured_Integrated_Energy_Factor_L_kWh			
Alternate_Configuration_Reported_Integrated_Energy_Factor_L_kWh			
Alternate_Configuration_Measured_Product_Capacity_pints_day			
Alternate_Configuration_Reported_Product_Capacity_pints_day			
8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Wendy Wang	Reviewed by:	Vicent Ni
Title:	Project Engineer	Title:	Technical Supervisor
Signature:		Signature:	

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Company name.

BASIC LISTEE	Rowan Electric Appliance LLC		
Address	9733 Topanga Canyon Blvd.Apt 310Chtsworth, CA91311 USA		
Country	USA	EPA ID	1145427
Product	Dehumidifier		
Contact	MS. LiFang Guo		
Phone	0086 15958804135		
FAX	NA		
Email	july@nbrowan.com		

MULTIPLE LISTEE 1	None		
Address			
Country		EPA ID	
Contact			
Phone			
FAX			
Email			
Brand Name			
Date Available		Market Availability	OEM
Major Markets			
Trans Type			
Notes			
UPC			
Reason no UPC			
Other reason no UPC			

ASSOCIATED MANUFACTURER			
Address			
Country			

MULTIPLE LISTEE 1 MODELS		BASIC LISTEE MODELS	
Additional Model Details (Optional)	Model Name and Number	Identifying Information	

9.0 Correlation Page For Multiple Listings

MULTIPLE LISTEE 2	None		
Address			
Country		EPA ID	
Contact			
Phone			
FAX			
Email			
Brand Name			
Date Available		Market Availability	OEM
Major Markets			
Trans Type			
Notes			
UPC			
Reason no UPC			
Other reason no UPC			
ASSOCIATED MANUFACTURER			
Address			
Country			
MULTIPLE LISTEE 2 MODELS		BASIC LISTEE MODELS	
Additional Model Details (Optional)	Model Name and Number	Identifying Information	

10.0 General Information

The Applicant has agreed to produce products in accordance with the requirements of this report and to maintain compliance with all ENERGY STAR Product Specification requirements.

Changes to Product Design / Alternate Components

As part of this agreement, the Applicant also has agreed to notify Intertek and to request authorization prior to making any changes to the product (including but not limited to using alternate parts, components or materials) which may effect compliance with the ENERGY STAR Product Specification. Those parts, components or materials identified as critical have been listed in Section 4.0 of this report.

Product Surveillance

Under this Program, market surveillance is conducted on an annual basis. For each Product Type defined in the EPA ENERGY STAR Program, Intertek will select 10% of those certified products for Verification Testing in accordance with the requirements of the EPA ENERGY STAR Product Specification.

The primary source for products under Verification Testing will be the retail market. Applicants whose products are selected for Verification Testing are required to provide a list of locations where the product might be obtained. The Applicant is responsible for the cost of procurement and the Verification Tests. Should products not be readily available on the retail market, the Applicant is required to provide access to distribution warehouses to allow selection of those products. Should the product not be available on the retail market or if procurement from the retail market is not feasible, then alternate arrangements for Verification Testing will be made by the Intertek Certification Body.

As a general rule under the Verification Testing requirements, the products must achieve energy values within 5% of the required Tier Limit.

Compliance with ENERGY STAR Product Specifications under Verification Testing

Products found non-compliant with ENERGY STAR Product Specification under Verification Testing, will be reported to the EPA within 48 hours and the product removed from the ENERGY STAR Program. If it is determined during Verification Testing that changes have been made to product design or critical components, the Certification Body may increase Verification Testing frequency of those products.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:
Intertek Testing Services Shanghai Limited
ETL Component Evaluation Center
Building No. 86, 1198 Qinzhou Road (North)
Shanghai 200233, China
Attn: Ms. Angela Han

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

Manufacturing and Production tests are not required under the INTERTEK ENERGY STAR Program. However, Intertek encourages the use of such ongoing product testing to ensure compliance with the EPA ENERGY STAR Product Specifications.

The following changes are in compliance with the declaration of Section 8.1:

RT-C-PD0002 (1-Aug-2022) Mandatory