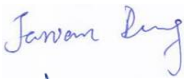




TEST REPORT

Energy Test for Air conditioners

Report Reference No.	AHEE241000296051
Tested by (name + signature)	Jarvan Deng 
Approved by (+ signature)	Hunter Lin 
Date of issue	2024-10-28
Total number of pages	10 pages
Testing Laboratory	SGS-C AHEE2410002960STC standards Technical Services Co., Ltd. Anhui Branch
Address	1/F&2/F, West Building C12, Gongtou Liheng Industrial Square, Fanhua Road, Economic & Technological Development Area, Hefei, 230601 Anhui, China
Applicant's name	
Address	
Test specification:	
Standard	NOM-026-ENER-2015
Test procedure	STR: RTCA 23.01.78:20
Non-standard test method.....	None
Test Report Form No.	EEC_NOM-026-ENER A
Test Report Form(s) Originator	SGS-CSTC
Master TRF	2023-09-01

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test item description	Split-type Air-conditioner
Trade Mark	
Manufacturer	
Factory.....	
Model/Type reference.....	
Ratings	115 V~; 60 Hz; Cooling capacity: 3520 W

Summary of testing:

Tests performed (name of test and test clause):

NOM-026-ENER-2015

STR: RTCA 23.01.78:20

The testing sample was tested at power supply 115 V~, 60 Hz.
The submitted appliance complied with the requirements of specific standards.

Test Location:

See page 1

Copy of marking plate (maybe only drafts)

Split Type Air Conditioner (Indoor Unit)

Model

Electric Shock Prevention Class I

Climates Type T1

Power Supply 115V~/60Hz

Cooling Capacity 3.52(0.8-4.0)kW

Cooling Power Input 1.02 (0.23-1.4) kW

Max. Input Current 16A

Max. Discharge Pressure 4.3MPa

Max. Suction Pressure 2.5MPa

Refrigerant  R32

Refrigerant Quantity 0.5kg

Indoor Unit Net Weight 7.5kg

Date 2024.09.04

No. A00015428901W00006



Split Type Air Conditioner (Outdoor Unit)

Model

Power Supply 115V~/60Hz

Cooling Power Input 1.02 (0.23-1.4) kW

Max. Input Current  16A

Refrigerant  R32

Refrigerant Quantity 0.5kg

Water-proof Class IPX4

Outdoor Unit Net Weight 23kg

Date 2024.09.04

No. A00015428901W00006



Testing	
Date of receipt of test item.....: 2024-10-08	
Date (s) of performance of tests.....: 2024-10-08 to 2024-10-27	
General remarks: The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report. GAC is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing reports.	
General product information: Non-ducted split type inverter air conditioner for household use is incorporated with an inverter compressor and the refrigerant is R32	
Air Conditioner Details:	
A/C Type	Cooling only
A/C Configuration 1—Air distribution.....:	Non-ducted
A/C Configuration 2—Type	☒ Single split system ☐ Multi split system
A/C Configuration 3—Heat transfer.....:	Air
Rated voltage(V) (of package unit or indoor unit if split system) Rated frequency	115 V~; 60 Hz
Rated voltage(V) (of outdoor unit if split system) Rated frequency	115 V~; 60 Hz
Does this air conditioner use a variable output compressor (e.g., speed drive or multi-speed compressor)	Yes
Refrigerant.....:	R32, 0.5 kg

Test Summary:
Test data:

Test method	Calorimeter/Enthalpy test room	Enthalpy room
Tested sample Serial Number:		Indoor unit: B90964E198301N-00001 Outdoor unit: A92164E198301W-00001
Performance Test (A2):		
Test condition:	Compressor speed:	Maximum
	Air volume:	Maximum
	Tested value	Verifying limit *
Power input (W)	1020.5	/
Cooling Capacity (W)	3578.8	/
EER _{A2}	3.51	/
Remark: the detailed test condition please refer to clause 9.1.1 of NOM-026-ENER-2015.		
Performance Test (B2):		
Test condition:	Compressor speed:	Maximum
	Air volume:	Maximum
	Tested value	Verifying limit *
Power input (W)	862.4	/
Cooling Capacity (W)	3821.1	/
EER _{B2}	4.43	/
Remark: the detailed test condition please refer to clause 9.1.1 of NOM-026-ENER-2015.		
Performance Test (Ev):		
Test condition:	Compressor speed:	Intermediate
	Air volume	Intercooling
	Tested value	Verifying limit *
Power input (W)	341.1	/
Cooling Capacity (W)	1959.6	/
EER _{Ev}	5.74	/
Remark: the detailed test condition please refer to clause 9.1.1 of NOM-026-ENER-2015.		

Performance Test (B1):		
Test condition:	Compressor speed:	Minimum
	Air volume:	Minimum
	Tested value	Verifying limit *
Power input (W)	122.2	/
Cooling Capacity (W)	912.5	/
EER _{B1}	7.47	/
Remark: the detailed test condition please refer to clause 9.1.1 of NOM-026-ENER-2015.		
Performance Test (F1):		
Test condition:	Compressor speed:	Minimum
	Air volume:	Minimum
	Tested value	Verifying limit *
Power input (W)	74.5	/
Cooling Capacity (W)	1131.3	/
EER _{F1}	15.19	/
Remark: the detailed test condition please refer to clause 9.1.1 of NOM-026-ENER-2015.		

Test results:			P
Mode	Rated value	Tested value	Verifying limit*
Power input (We)	1020	1020.5	± 5%
Cooling Capacity (Wt)	3520	3578.8	± 5%
EER (Wt / We)	3.45	3.51	- 5%
REEE	5.87(20)	6.28 (21.4)	- 5% & ≥4.68(16)
The energy savings percentage (%)*	25.4 %	34.2 %	/

*The energy savings percentage calculation:

$$\left(\left(\frac{\text{REEE de este modelo (Wt/We)}}{\text{REEE mínima para esta capacidad (Wt/We)}} \right) - 1 \right) \times 100\%$$

Limit value Seasonal Energy Efficiency Ratio is according to the following table of RTCA 23.01.78:20:

TABLA 1.- Niveles mínimos de la Relación de Eficiencia Energética Estacional (REEE), en acondicionadores de aire tipo dividido inverter con flujo de refrigerante variable, descarga libre y sin ductos de aire

Capacidad de enfriamiento Watts (BTU/h)	REEE Wt/We (BTU/hW)
Hasta 4101 (13993,19)	4,68 (16)
Mayor que 4101 (13993,19) hasta 5859 (19991,73)	4,68 (16)
Mayor que 5859 (19991,73) hasta 10600 (36168,70)	4,39 (15)
Mayor que 10600 (36168,70) hasta 19050 (65001,29)	4,10 (14)

Critical components table:

Object	Manufacturer	Model	Technical data
Compressor	Guangdong Meizhi Compressor Limited	KSN98D35UER31	DC130V, 240Hz, 805W, R32/R410A
Indoor fan motor	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.	ZKFP-13-8-124L	DC310V,13W, E
Alternative	Hefei City Tongdeli electric manufacturing co.,ltd.	TWZ13-A11	DC310V,13W, E
Alternative	GREEN-INTELLIGENCE ELECTRICAL EQUIPMENT CO.,LTD. NANHAI DISTRICT FOSHAN CITY	ZWR13-8R(L)	DC310V, 13W, E
Alternative	SHISHISHI TONGDA MOTOR CO.,LTD.	ZYTM93-3100013B01350	DC310V, 13W, B
Alternative	JEAMO MOTOR CO.LTD	YMAP013BX02N3	DC310V, 13W, B
Alternative	NIDEC SHIBAURA(ZHEJIANG)CORP	SIC-310-13-2	DC310V, 13W, E
Alternative	WOLONG ELECTRIC GROUP CO.,LTD	ZWA138D00AL	DC310V, 13W, E
Alternative	SHISHISHI TONGDA MOTOR CO.,LTD.	ZYTM93-3100013B01350	DC310V, 13W, B
Outdoor fan motor	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.	ZKFN-40-10-1	DC310V, 40W, E
Alternative	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.	ZKFN-35-10-8L	DC310V,35W,E
Alternative	Hefei City Tongdeli electric manufacturing co.,ltd.	T10WZ35-A01	DC310V,35W,E
Alternative	JEAMO MOTOR CO.LTD	YMA035YF01N3	DC310V,35W,B
Alternative	GREEN-INTELLIGENCE ELECTRICAL EQUIPMENT CO., LTD. NANHAI DISTRICT FOSHAN CITY	ZWR35-10A1(L)	DC310V,35W,E
Alternative	WOLONG ELECTRIC GROUP CO., LTD.	ZWC1710L00AL	DC310V,35W,E
Alternative	WOLONG ELECTRIC GROUP CO., LTD	ZWC1710L00AL	DC310V,35W, E
Alternative	SHISHISHI TONGDA MOTOR CO., LTD.	ZYTM96-2800042A1	DC310V,35W, B
Alternative	Jiangmen LT Motor Co., Ltd.	RD(AL)N35HA10	DC310V,35W,E

Photo documents:

Details of: Indoor unit

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom


Details of: Outdoor unit

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom


Details of: Compressor

View:

☒ general☐ front☐ rear☐ right☐ left☐ top☐ bottom

----End of report---