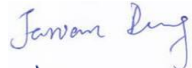




TEST REPORT

Energy Test for Air conditioners

Report Reference No.	AHEE250100001251
Tested by (name + signature)	Jarvan Deng 
Approved by (+ signature)	Hunter Lin 
Date of issue	2025-01-06
Total number of pages	10 pages
Testing Laboratory	SGS-CSTC standards Technical Services Co., Ltd. Anhui Branch
Address	1/F&2/F, West Building C12, Gongtuo 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	208-230 V~; 60 Hz; Cooling capacity: 9960 W; Heating capacity: 9960 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 230 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 (Outdoor Unit)

Model	
Power Supply	208V~230V/60Hz
Cooling Power Input	3.4kW
Heating Power Input	3kW
Max. Input Current	17A
Refrigerant	R32
Refrigerant Quantity	2kg
Water-proof Class	IPX4
Outdoor Unit Net Weight	46kg
Date	2024.12.25
No.	A00015428901W00006



Split Type Air Conditioner (Indoor Unit)

Model	
Electric Shock Prevention	Class I
Climates Type	T1
Power Supply	208V~230V/60Hz
Cooling Capacity	9.96kW
Heating Capacity	9.96kW
Cooling Power Input	3.4kW
Heating Power Input	3kW
Max. Input Current	17A
Max. Discharge Pressure	4.3MPa
Max. Suction Pressure	2.5MPa
Refrigerant	R32
Refrigerant Quantity	2kg
Indoor Unit Net Weight	16kg
Date	2024.12.25
No.	A00015428901W00006



Testing..... : Date of receipt of test item : 2024-12-22 Date (s) of performance of tests : 2024-12-22 to 2025-01-06	
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	Reverse cycle
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	208-230 V~; 60 Hz
Rated voltage(V) (of outdoor unit if split system) Rated frequency	208-230 V~; 60 Hz
Does this air conditioner use a variable output compressor (e.g., speed drive or multi-speed compressor)	Yes
Refrigerant.....	R32, 2 kg

Test Summary:
Test data:

Test method	Calorimeter/Enthalpy test room	Enthalpy room
Tested sample Serial Number:		Indoor unit: B9367E557204N-00002 Outdoor unit: AA059E557204W-00001
Performance Test (A2):		
Test condition:	Compressor speed:	Maximum
	Air volume:	Maximum
	Tested value	Verifying limit *
Power input (W)	3425.9	/
Cooling Capacity (W)	10046.3	/
EER _{A2}	2.93	/
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)	3009.9	/
Cooling Capacity (W)	10735.8	/
EER _{B2}	3.57	/
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)	1349.5	/
Cooling Capacity (W)	6335.2	/
EER _{Ev}	4.69	/
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)	600.4	/
Cooling Capacity (W)	3889.1	/
EER _{B1}	6.48	/
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)	448.7	/
Cooling Capacity (W)	4375.2	/
EER _{F1}	9.75	/
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)	3400	3425.9	± 5%
Cooling Capacity (Wt)	9960	10046.3	± 5%
EER (Wt / We)	2.93	2.93	- 5%
REEE	4.98 (17)	5.23 (17.8)	- 5% & ≥4.39(15)
The energy savings percentage (%)*	13.4 %	19.1%	/

*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	KTM240D43UKU A2	DC184V,at 180Hz,2065,R32/R4 10A
Indoor fan motor	Jiangmen LT Motor Co.,Ltd.	RD(AL)50HF10	50W, E,DC310V
Alternative	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.	ZKFP-50-10-1L	DC310V,50W,E
Alternative	Jiangmen LT Motor Co.,Ltd.	RD(AL)50HF10	DC310V,50W, Class E
Alternative	GREEN-INTELLIGENCE ELECTRICAL EQUIPMENT CO.,LTD. NANHAI DISTRICT FOSHAN CITY	ZWR50-8C(L)	DC310V,50W, Class E
Outdoor fan motor	Hefei City Tongdeli electric manufacturing co.,ltd.	T10WZ65-A02	DC310V,65W, E
Alternative	WOLONG ELECTRIC GROUP CO.,LTD.	ZWB2710L11AL	DC310V,65W,E
Alternative	SHISHISHI TONGDA MOTOR CO.,LTD.	ZYTM96- 2800065A1	DC310V,65W,Class B
Alternative	GUANGDONG WELLING MOTOR MANUFACTURING CO., LTD.	ZKFN-65-10-3L	DC310V,65W,Class E
Alternative	ZHUHAI KAIBANG MOTOR MANUFACTURING CO., LTD.	ZWRL65-A51	DC310V,65W,Class E
Alternative	Jiangmen LT Motor Co.,Ltd.	RD(AL)N65HB10	DC310V,65W,Class E

Photo documents:

Details of: Indoor unit

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Outdoor unit

View:

☒ general

☐ front

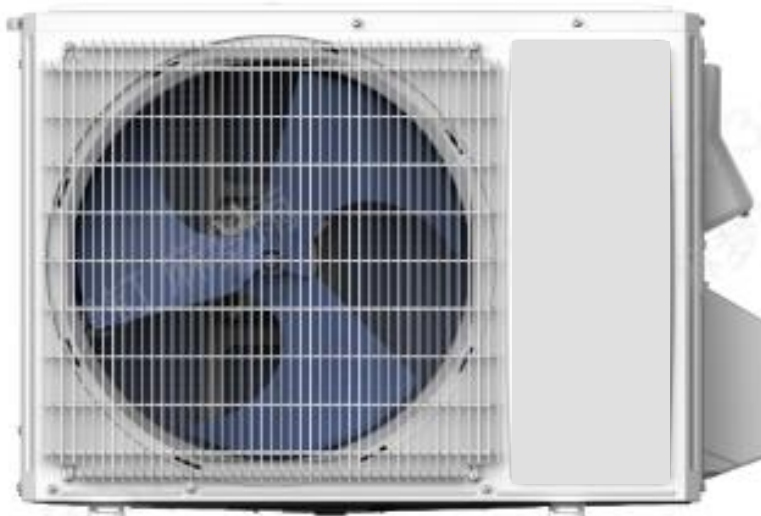
☐ rear

☐ right

☐ left

☐ top

☐ bottom



Details of: Compressor

View:

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

----End of report---