



TEST REPORT

Energy Test for Air conditioners

Report Reference No.	AHEE250600222451
Tested by (name + signature).....	Jarvan Deng <i>Jarvan Deng</i>
Approved by (+ signature)	Hunter Lin <i>[Signature]</i>
Date of issue.....	2025-06-14
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Address	West of Building C12, Gongtou Liheng Industrial Square, Fanhua Road, Economic & Technological Development Area, Hefei, 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: 7040 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
(Indoor Unit)***Model**

Electric Shock Prevention Class I

Climates Type T1

Power Supply 208-230V~/60Hz

Cooling Capacity 7.04(1.8-7.6)kW

Cooling Power Input 2.10(0.23-2.5)kW

Max. Input Current 13A

Max. Discharge Pressure 4.3MPa

Max. Suction Pressure 2.5MPa

Refrigerant  R32

Refrigerant Quantity 0.78kg

Indoor Unit Net Weight 12.5kg

Date 2025.04.23

No. A00015428901W00006

*Split Type Air Conditioner
(Outdoor Unit)***Model**

Power Supply 208-230V~/60Hz

Cooling Power Input 2.10(0.23-2.5)kW

Max. Input Current  13A

Refrigerant R32

Refrigerant Quantity 0.78kg

Water-proof Class IPX4

Outdoor Unit Net Weight 30.5kg

Date 2025.04.23

No. A00015428901W00006



Testing	
Date of receipt of test item.....: 2025-06-06	
Date (s) of performance of tests.....: 2025-06-06 to 2025-06-14	
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	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, 0.78 kg

Test Summary:
Test data:

Test method	Calorimeter/Enthalpy test room	Enthalpy room
Tested sample Serial Number:		Indoor unit: 4F739F077504N-0001 Outdoor unit: 4F739F077504W-0001
Performance Test (A2):		
Test condition:	Compressor speed:	Maximum
	Air volume:	Maximum
	Tested value	Verifying limit *
Power input (W)	2182.9	/
Cooling Capacity (W)	7247.6	/
EER _{A2}	3.32	/
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)	1911.1	/
Cooling Capacity (W)	7735.4	/
EER _{B2}	4.05	/
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)	609.1	/
Cooling Capacity (W)	3416.3	/
EER _{Ev}	5.61	/
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)	196.3	/
Cooling Capacity (W)	1401.0	/
EER _{B1}	7.14	/
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)	140.3	/
Cooling Capacity (W)	1827.4	/
EER _{F1}	13.02	/
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)	2100	2182.9	± 5%
Cooling Capacity (Wt)	7040	7247.6	± 5%
EER (Wt / We)	3.35	3.32	- 5%
REEE	4.98 (17)	5.70 (19)	- 5% & ≥4.39(15)
The energy savings percentage (%)*	13.4 %	29.8 %	/

*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 Ltd.	KTN150D53UFZ C3	220V,180Hz,1192W, R32/R410A
Indoor fan motor	Jiangmen LT Motor Co.,Ltd.	RD(AL)50HF10	DC310V,50W,E
Alternative	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.	ZKFP-50-10-1L	DC310V,50W,E
Outdoor fan motor	Jiangmen LT Motor Co.,Ltd.	RD(AL)N60HB10	DC310V,60W,B
Alternative	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.	ZKFN-60-10-11L	DC310V,60W,B
Alternative	Hefei City Tongdeli electric manufacturing co.,ltd.	T10WZ60-W03	DC310V,60W,B
Alternative	GREEN-INTELLIGENCE ELECTRICAL EQUIPMENT CO.,LTD. NANHAI DISTRICT FOSHAN CITY	ZWR60-10A1(L)	DC310V,60W,B

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---