



TEST REPORT

Energy Test for Air conditioners

Report Reference No.	AHEE250600222351
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Approved by (+ signature)	Hunter Lin 
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: 3500 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	3.5(1.2-3.8)kW
Cooling Power Input	1.32(0.24-1.5)kW
Max. Input Current	9A
Max. Discharge Pressure	4.3MPa
Max. Suction Pressure	2.5MPa
Refrigerant	 R32
Refrigerant Quantity	0.4kg
Indoor Unit Net Weight	8kg
Date	2025.04.23
No.	A00015428901W00006



Split Type Air Conditioner (Outdoor Unit)

Model	
Power Supply	208-230V~/60Hz
Cooling Power Input	1.32(0.24-1.5)kW
Max. Input Current	 9A
Refrigerant	R32
Refrigerant Quantity	0.4kg
Water-proof Class	IPX4
Outdoor Unit Net Weight	17kg
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, 0.4 kg

Test Summary:
Test data:

Test method	Calorimeter/Enthalpy test room	Enthalpy room
Tested sample Serial Number:		Indoor unit: 4F739F077502N-0001 Outdoor unit: 4F739F077502W-0001
Performance Test (A2):		
Test condition:	Compressor speed:	Maximum
	Air volume:	Maximum
	Tested value	Verifying limit *
Power input (W)	1276.7	/
Cooling Capacity (W)	3427.6	/
EER _{A2}	2.68	/
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)	1135.6	/
Cooling Capacity (W)	3745.4	/
EER _{B2}	3.30	/
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)	403.3	/
Cooling Capacity (W)	1860.4	/
EER _{Ev}	4.61	/
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)	133.4	/
Cooling Capacity (W)	768.8	/
EER _{B1}	5.76	/
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)	91.6	/
Cooling Capacity (W)	987.0	/
EER _{F1}	10.78	/
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)	1320	1276.7	± 5%
Cooling Capacity (Wt)	3500	3427.6	± 5%
EER (Wt / We)	2.65	2.68	- 5%
REEE	4.98 (17)	4.93 (17)	- 5% & ≥4.68(16)
The energy savings percentage (%)*	6.4 %	5.3 %	/

*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	KSN89D28UE4A 31	220V,240Hz,715W, R32/R410A
Indoor fan motor	SHISHISHI TONGDA MOTOR CO.,LTD.	ZYTM93- 3100013B01350	DC310V,13W,B
Alternative	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.	ZKFP-13-8-124L	DC310V,13W,E
Alternative	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	Jeamo Motor Co.,Ltd	YMAP013BX02N 3	DC310V,13W,B
Alternative	GREEN-INTELLIGENCE ELECTRICAL EQUIPMENT CO.,LTD. NANHAI DISTRICT FOSHAN CITY	ZWR13-8R(L)	DC310V,13W,E
Outdoor fan motor	SHISHISHI TONGDA MOTOR CO.,LTD.	ZYTM96- 2800024A1	DC310V,20W,B
Alternative	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.	ZKFN-20-10-11L	DC310V,20W,E
Alternative	Hefei City Tongdeli electric manufacturing Co., Ltd.	T10WZ20-A03	DC310V,20W,E
Alternative	WOLONG ELECTRIC GROUP CO.,LTD.	ZWC1310L00AL	DC310V,20W,E
Alternative	Jeamo Motor Co.,Ltd	YMA020YC01N3	DC310V,20W,B
Alternative	GREEN-INTELLIGENCE ELECTRICAL EQUIPMENT CO.,LTD. NANHAI DISTRICT FOSHAN CITY	ZWR20-10A1(L)	20W,E,DC310V

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---