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(中山)

№: CAC20250200003

TEST REPORT

NAMEOF SAMPLE:	Air Conditioner			
APPLICANT:	GD TCL Intelligent Heating & Ventilating Equipment Co., Ltd.			
741 7 21074111	OB 102 intelligent ributing & ventualing Equipment 66., Etc.			
CLASSIFICATION TEST:	N OF Commission Test			

Testing Center of TCL Air Conditioner (Zhongshan) Co., Ltd.

59 Nantou Road West, Nantou, Zhongshan, Guangdong, Chinazhow

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TEST REPORT The rating and performance tests for Air-conditioner Applicant Name....: GD TCL Intelligent Heating & Ventilating Equipment Co., Ltd. NO.7 Yuanlin Road, Nantou Town, Zhongshan City, Guangdong P.R. Address: China Manufacturer: GD TCL Intelligent Heating & Ventilating Equipment Co., Ltd. NO.7 Yuanlin Road, Nantou Town, Zhongshan City, Guangdong P.R. Address: China Factory: Same as applicant Product name..... Air conditioner Trademark..... **TCL** Model / type reference..... TCC-36D1HWH/DVT-(C5) 220-240 V~ 60Hz Rating and characteristics..... 2025-03-14 2025-03-13 Date(s) of test Date of receipt of test item

SASO 2663:2021+ A1:2023 used with

ISO 13253:2017+A1:2020

李林海

林艺鸣

赖福远

2025-03-20

ISO 16358-1:2013/Cor 1:2013/AMD1:2019

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测试中心 TEST CENTER

PNOITIONER (ZHONGSHA

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Test specification/Standard.....

To compile

audit.....

The director of the approval.....

Date of issue.....

https://www.tcl.com/global/en/commercial-air-conditioner/populationer/

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The rating and performance tests for Air conditioner			
Test case verdicts /			
Test case does not apply to the test object	N.A.		
Test item does meet the requirement	Pass		
Test item does not meet the requirement	N.A.		
Procedure deviation	N.A.		
Non-standard test method	N.A.		

General remarks

The test results presented in this report relate only to the item tested.

The test report is invalid without the official stamp of TCL.

The test report is invalid without the signatures of Author and Reviewer.



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Brief	description of the tested sample(s)					
1	Ratings					
	Rated voltage/rated voltage range (V)	220-240				
	Rated frequency (Hz)	60				
	Rated input (W)	Cooling (T1) : 2630 Cooling (T3) : 3415				
		Heating: 2776				
	Rated capacity (Btu/h)	Cooling (T1) : 33000 Cooling (T3) : 30400				
		Heating: 36000				
	Rated current (A)	Cooling (T1) : 12.00 Cooling (T3) : 15.55				
		Heating: 12.70				
2	Type of power supply	⊠ Single phase				
_		☐ Three phase				
3	Construction of the unit					
		☐ Single packaged type				
	— en n in item n in item	☐ Multi-split type				
4	Type of the unit considering if it has the air ducts	Spot				
	(A/C Configuration— Air Distribution)	Single-duct				
		□ Double ducts⋈ Non Ducted				
5	The number of the indoor units if multi-split type	Non Ducted				
6	Type of the indoor unit if split type					
	Type of the indoor drift if split type	Free-standing				
		☐ Ceiling-mounted				
		☐ Other type				
7	Type of outdoor unit if split type					
	, ,	☐ Other type				
9	Supplementary heating element	☐ Yes				
		⊠ No				
10	Operation function	⊠ Cooling mode and heating mode				
		☐ Cooling only				
		☐ Heating only				
11	Type of the refrigerant	As attach page				
12	Mass of refrigerant (kg)	As attach page				
13	Compressor information	As attach page				
14	Compressor stages type	☐ Fixed capacity unit				
		☐ Two-stage capacity unit				
		☐ Multi-stage capacity unit				
		⊠Variable capacity unit				
		油器 (中山) 青色				
		(中山) (京神器 (中山) (京神器 (中山) (京神器 (中山)				
		TEST CENTER				
		ONDITIONER (ZHONGSHAW)				

Photo of nameplate:

TCL DUCT TYPE AIR CONDITIONER — — Indoor Unit وحدة داخلية مكيف هواء من نوع مجرى

		IWH/D	VT-(C5)			
Model	Indoor الداخلي	TCC-36D1HWH/DVTI-(C5)						
موديل	Outdoor الخارجي	1	CC-361	HH/DV	TO-(C 5	5)	
Rated Volt الجهد الكهرباني		22	0-240V~	(T1)Cooling تبرید)Cooling تبرید		Heating التدفئة	
Rated Fre	quency	60Hz	Capacity	33000Btu/h	2040004		10550W	
Air Volume حجم الهواء		2200 m7h	القدرة	33000 Btu/h	30400Btu/h		105501	
Weight الوزن		38 kg	Power Input مدخل الطاقة	2630W	3415W	v	2776W	
Noise الضجيج		43dB(A)	Current التيار	12.00A	15.55	A	12.70A	
Rated Current(IEC60335) دُيار القدرة المقدرة		20.0A	EER/COP معدل كفاءة الطاقة	12.55 Btu/h/W	8.90 Btu/h/V	N	3.80 W/W	
Rated Power Input(IEC60335) مدخل القدرة المقدرة		4600W	Refrigerant/Charge غاز التبريد / الكمية		R	32/2.0kg		
Operating Pressure	Discharge ضغط الإطلاق	4.5M Pa	Maximum Allowable Pressure الحد الأقمىي للضغط 4.5MPa			4.5 M Pa		
الضغط لضاغط الغاز	Suction ضغط الاستشاق	1.9M Pa	9MPa Outdoor Unit Water Proof Protection و حدة المياه في الهواء الطلق حماية دليل المعالمة عليه الهواء الطلق حماية دليل			IPX4		

A2L



MADE IN CHINA صنع في الصين GD TCL INTELLIGENT HEATING & VENTILATING EQUIPMENT CO., LTD.

NO. 7 Yuanlin Road , Nantou Town, Zhongshan City, Guangdong P.R. China

TCL

SPLIT TYPE AIR CONDITIONER

Outdoor Unit

وحدة في الهواء الطلق جهاز تكييف هواء حائط Model TCC-36HH/DVTO-(C5)

Rated Volt موديل 220-240۷~

Rated Frequency 60Hz التردد المقدر Rated Power Input(IEC60335) 4600W مدخل القدرة المقدرة Rated Current(IEC60335) 20.0A Maximum allowable pressure 4.5MPa Operating Discharge 4.5MPa Pressure Suction 1.9MPa لضاغط الغاز Noise 58dB(A) Weight 54kg Water Proof Protection IPX4 Refrigerant/Charge



غاز التبريد / الكمية



MADE IN CHINA صنع في الصين

GDTCLINTELLIGENT HEATING & VENTIL ATING EQUIPMENT CO., LTD. NO.7 Yuan lin Road ,Nantou Town, Zhon gahan City, Guang dong P.R.Chinu

R32/2.0 kg



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Photo of the tested sample:







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Photo of compressor:





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Summary					
Test method		Enthalpy test room			
	Total cooling capacity in Btu/h	33611			
COOLING CAPACITY(T1-Full load capacity)	Air conditioner power consumption in W	2646			
	Energy Efficiency Ratio(EER) in Btu/h/w	12.70			
	Total cooling capacity in Btu/h	16108			
COOLING CAPACITY(T1-Half load capacity)	Air conditioner power consumption in W	950			
	Energy Efficiency Ratio(EER) in Btu/h/w	16.95			
	Total cooling capacity in Btu/h	30933			
COOLING CAPACITY(T3)	Air conditioner power consumption in W	3425			
	Energy Efficiency Ratio(EER) in Btu/h/w	9.03			
	Total cooling capacity in w	10889			
HEATING CAPACITY	Air conditioner power consumption in W	2813			
	Energy Efficiency Ratio(COP) in w/w	3.87			
Test Result:					
100t Rooditi					
☑ Pass		□ Fail			
Note: If failed, it shall be indicated which part it was fail in.					



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1- Sample Information

1- Sample Information					
Brand	TCL				
	System (if application)	TCC-36D1HWH/DVT-(C5)			
Model No.	Indoor (split system onl				
	Outdoor (split syste only)	m TCC-36HH/DVTO-(C5)			
Serial number	Indoor: A00099	Outdoor: A00106			
Air-Conditioner Type	Split air conditioner	·			
Air Distribution	One way				
Type of system	R32 Mas	s of Refrigerant (kg) 2.0			
Heat transfer	Cooling mode and heatir	ng mode			
Voltage(V)	230				
Phase	1ph				
Hz	60				
	Туре	Rotary			
	Brand	Highly			
Compressor	Model Name	WHP12900GSKPC8LT8C			
Compressor	Maker	Shanghai Highly Electrical Appliances Co., Ltd.			
	Country of Origin	China			
	Туре	DC motor			
	Brand	Broad-ocean			
	Model	ZW511B500141L			
Indoor Fan motor	Maker	ZHONGSHAN BROAD-OCEAN MOTOR CO.,LTD.			
	Country of Origin	China			
	Туре	DC motor			
	Brand	Broad-ocean			
	Model	ZW511B500074L			
Outdoor Fan motor	Maker	ZHONGSHAN BROAD-OCEAN MOTOR COLTD			
	Country of Origin	China			
	Volume(mm)	1020mm x 336 mm x 50.8mm			
Evaporator	Туре	Hydrophilic Hydrophilic			
	Volume(mm)	90mm x 756 mm x 38.1mm			
Condenser	Туре	Hydrophilic			
Refrigerant	Type: R32	2000g			
	Indoor(mm)	Width:1200 Depth:700 Height:245			
Dimensions	Outdoor(mm) Width :910 Depth :378 Height :804				



2- Test report

2.1 Cooling capacity test (T1-Full load capacity)

Data to be recorded for Enthalpy cooling capacity tests

Test Duration(min)	90
Power supplied	220-240V
Applied voltage (V)	230.0
Frequency (Hz)	60
Current (A)	11.725
Power Consumption (W)	2646
Power factor	99.61%
Fan speed settings	super speed
Dry bulb temperature, indoor ($^{\circ}$)	27.00
Wet bulb temperature, indoor (${}^{\circ}\!\mathbb{C}$)	19.00
Dry bulb temperature, outdoor ($^{\circ}\!\mathbb{C}$)	35.00
Wet bulb temperature, outdoor (${\mathbb C}$)	24.00
Barometer (Pa)	102
Indoor cooling capacity (Btu/h)	33611
Sensible cooling capacity(Btu/h)	29163
Latent cooling capacity (dehumidifying capacity) (Btu/h)	4445
Static pressure(Pa)	37
Volume flow rate of air(m3/hr)	1936
Cooling capacity (Btu/h)	33611
EER(Btu/h)/W	12.70



2.2 Cooling capacity test (T1-Half load capacity)

Took Direction (main)	90
Test Duration(min)	1
Power supplied	220-240V
Applied voltage (V)	230.0
Frequency (Hz)	60
Current (A)	6.18
Power Consumption (W)	950
Power factor	67.3%
Fan speed settings	super speed
Dry bulb temperature, indoor (℃)	27.00
Wet bulb temperature, indoor (℃)	19.00
Dry bulb temperature, outdoor (℃)	35.00
Wet bulb temperature, outdoor (℃)	24.00
Barometer (Pa)	102
Indoor cooling capacity (W)	16108
Sensible cooling capacity (W)	16108
Latent cooling capacity (dehumidifying capacity) (W)	0
Static pressure(Pa)	37
Volume flow rate of air(m3/hr)	1690
Cooling capacity (W)	4721
Cooling capacity (Btu/h)	16108
EER(Btu/h)/W	16.95



2.3 Test record of cooling capacity test (T3)

2.3 Test record of cooling capacity test (T3)		
Test Duration(min)	90	
Power supplied	220-240V	
Applied voltage (V)	230.0	
Frequency (Hz)	60	
Current (A)	15.02	
Power Consumption (W)	3425	
Power factor	99.82%	
Fan speed settings	super speed	
Dry bulb temperature, indoor ($^{\circ}\!$	29.00	
Wet bulb temperature, indoor ($^{\circ}\!\mathbb{C}$)	19.00	
Dry bulb temperature, outdoor ($^{\circ}\!$	46.00	
Wet bulb temperature, outdoor (℃)	24.00	
Barometer (Pa)	102	
Indoor cooling capacity (Btu/h)	30933	
Sensible cooling capacity(Btu/h)	30554	
Latent cooling capacity (dehumidifying capacity) (Btu/h)	378	
Static pressure(Pa)	37	
Volume flow rate of air(m3/hr)	2250	
Cooling capacity (Btu/h)	30933	
EER(Btu/h)/W	9.03	



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2.4 Test record of heating capacity test (H1)

Test Duration(min)	90
Power supplied	220-240V
Applied voltage (V)	230.0
Frequency (Hz)	60
Current (A)	11.84
Power Consumption (W)	2813
Power factor	99.66%
Fan speed settings	super speed
Dry bulb temperature, indoor (℃)	20
Wet bulb temperature, indoor (℃)	15
Dry bulb temperature, outdoor ($^{\circ}\!$	7
Wet bulb temperature, outdoor ($^{\circ}\!$	6
Barometer (Pa)	102
Indoor heating capacity (W)	10889
Sensible heating g capacity (W)	10889
Latent heating capacity (dehumidifying capacity) (W)	0
Static pressure(Pa)	37
Volume flow rate of air(m3/hr)	2300
heating capacity W	10889
heating capacity (Btu/h)	37153
COP (Btu/h)/W	3.87



2.5 Functional Performance – Cooling&Heating

Operability at Maximum cooling conditions at 52℃	☐ Tested ☐ Declared	Result:	□ Pass □ Fail □ Non Relevant
Operability at Minimum cooling conditions	☐ Tested ☐ Declared		☐ Pass☐ Fail☒ Non Relevant
Freeze up air blockage and freeze-up drip	☐ Tested ☐ Declared		☑ Pass☐ Fail☐ Non Relevant
Condensate control and enclosure sweat performance	☐ Tested ☐ Declared		☑ Pass☐ Fail☐ Non Relevant
Operability at Maximum heating conditions	☐ Tested ☐ Declared		☐ Pass ☐ Fail ☑ Non Relevant
Operability at Minimum heating conditions	☐ Tested☐ Declared		☐ Pass ☐ Fail ☑ Non Relevant
Verification of automatic defrost	☐ Tested ☐ Declared		☑ Pass☐ Fail☐Non Relevant

2.6 Capacity tests at below condition were considered in this report.

Mode	Indoor air temperature		Outdoor air temperature		Test voltage
	Dry bulb	Wet bulb	Dry bulb	Wet bulb	5
Cooling mode (T1-Full load capacity)	27	19	35	24	230V, 60Hz
Cooling mode (T1-Half load capacity)	27	19	35	24	230V, 60Hz
Cooling mode (T3)	29	19	46	24	230V, 60Hz
Temperature (H1)	20	15	7	6	230V, 60Hz



Conclusion

Cooling	capacity test	(for conditi	on T1- Full lo	oad capacity)	
Mode	Rated	Tested	Verifyi ng	Required EER	Verdict
Cooling capacity, Btu/h	33000	33611	1.8%	>=31350	Pass
Cooling power input, W	2629	2646	0.6%	<=2760	Pass
EER, Btu/W ·h	12.55	12.7	1.19%	>=11.92	Pass
Cooling	capacity test	(for condition	on T1- Half lo	oad capacity)	•
Cooling capacity, Btu/h	1	1	1	I	1
Cooling power input, W	1	1	1	I	1
EER, Btu/W ·h	1	1	1	1	1
	Cooling c	apacity test	(for conditio	n T3)	
Cooling capacity, Btu/h	30400	30933	1.7%	>=28880	Pass
Cooling power input, W	3416	3425	0.26%	<=3586	Pass
EER, Btu/W ·h	8.9	9.03	1.4%	>=8. 455	Pass
		Heating cap	acity		
Heating capacity, W	10550	10889	3.2%	>=10020	Pass
Heating power input,	2776	2813	1.3%	<=2914	Pass
COP, WW	3.8	3.87	1.8%	>=3.61	Pass
CSEC (Kwh/Y):		7101			
Energy class: (base on rated EE	R at T1)			В	
SEER class				В	
SEER				15.1	
Annual Energy Consumption(A	EC) (kWh)			7101	
Remark: the results are based or	n mandatory tests ar	nd the default valu	used in other to	ests(if applicable) in Table	4 for test

Cooling capacity(T1 Full load capacity) ≥ 0.95 × rated capacity Cooling power input(T1 Full load capacity) ≤ 1.05× rated Cooling capacity(Half load capacity) ≥ 0.95 × rated capacity ≥ 0.95 × rated capacity Cooling capacity(T3) Cooling power input(T3) ≤ 1.05× rated Heating capacity ≥ 0.95 × rated capacity Heating power input ≤ 1.05× rated EER(T1 Full load capacity) ≥ 0.95 × rated EER(T3) ≥ 0.95 × rated COP ≥ 0.95 × rated



Nergy Rating Classification

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Table 6 – Seasonal Energy Efficiency Ratio (SEER) Classification					
Bar color	Enerç	gy class	SEER limits (Btu/W.h)		
Dark green	1	А	SEER ≥ 18.0		
Green	ب	В	18.0> SEER ≥ 15.0		
ight green	٥	С	15.0> SEER ≥ 12.5		
Yellow	۵	D	12.5> SEER ≥ 10.0		
Orange	ھ	E	10.0> SEER ≥ 9.0		
Red	و	F	9.0> SEER ≥ 8.0		
Dark Red	ز	G	8.0> SEER		

