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Page 1 of 16

No: CAC20250200003

TEST REPORT

NAME OF SAMPLE: Air Conditioner

APPLICANT: GD TCL Intelligent Heating & Ventilating Equipment Co., Ltd.

CLASSIFICATION OF TEST: Commission Test

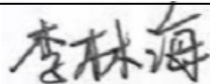
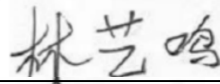
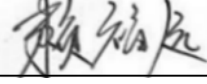
Testing Center of TCL Air Conditioner (Zhongshan) Co., Ltd.

59 Nantou Road West, Nantou, Zhongshan, Guangdong, China



TEST REPORT

The rating and performance tests for Air-conditioner

Applicant Name..... :	GD TCL Intelligent Heating & Ventilating Equipment Co., Ltd.		
Address	NO.7 Yuanlin Road, Nantou Town, Zhongshan City, Guangdong P.R. China		
Manufacturer	GD TCL Intelligent Heating & Ventilating Equipment Co., Ltd.		
Address	NO.7 Yuanlin Road, Nantou Town, Zhongshan City, Guangdong P.R. China		
Factory	Same as applicant		
Product name.....	Air conditioner		
Trademark.....	TCL		
Model / type reference.....	TCC-36D1HWH/DVT-(C5)		
Rating and characteristics.....	220-240 V~ 60Hz		
Date of receipt of test item	2025-03-13	Date(s) of test	2025-03-14
Test specification/Standard.....	SASO 2663:2021+ A1:2023 used with ISO 16358-1 :2013/Cor 1 :2013/AMD1 :2019 ISO 13253:2017+A1:2020		
To compile	李林海		
audit.....	林艺鸣		
The director of the approval.....	赖福远		
Date of issue.....	2025-03-20		

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<https://www.tcl.com/global/en/commercial-air-conditioner/report> to verify that the report of authenticity.



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.	



[illegible]

Photo of nameplate:

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

Model	TCC-36D1HWH/DVT-(C5)				
Indoor	TCC-36D1HWH/DVTI-(C5)				
Outdoor	TCC-36HH/DVTO-(C5)				
Rated Volt	220-240V~		Cooling(T1)	Cooling(T3)	Heating
Rated Frequency	60Hz	Capacity	33000Btu/h	30400Btu/h	10550W
Air Volume	2200m ³ /h	Power Input	2630W	3415W	2776W
Weight	38kg	Current	12.00A	15.55A	12.70A
Noise	43dB(A)	EER/COP	12.55	8.90	3.80
Rated Current(IEC60335)	20.0A	Refrigerant/Charge	R32/2.0kg		
Rated Power Input(IEC60335)	4600W	Maximum Allowable Pressure	4.5MPa		
Operating Pressure	Discharge	4.5MPa	Outdoor Unit Water Proof Protection		
Suction	1.9MPa	IPX4			

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
جهاز تكييف هواء حائط وحدة في الهواء الطلق

Model	TCC-36HH/DVTO-(C5)	
Rated Volt	220-240V~	
Rated Frequency	60Hz	
Rated Power Input(IEC60335)	4600W	
Rated Current(IEC60335)	20.0A	
Maximum allowable pressure	4.5MPa	
Operating Pressure	Discharge	4.5MPa
Suction	1.9MPa	
Noise	58dB(A)	
Weight	54kg	
Water Proof Protection	IPX4	
Refrigerant/Charge	R32/2.0kg	

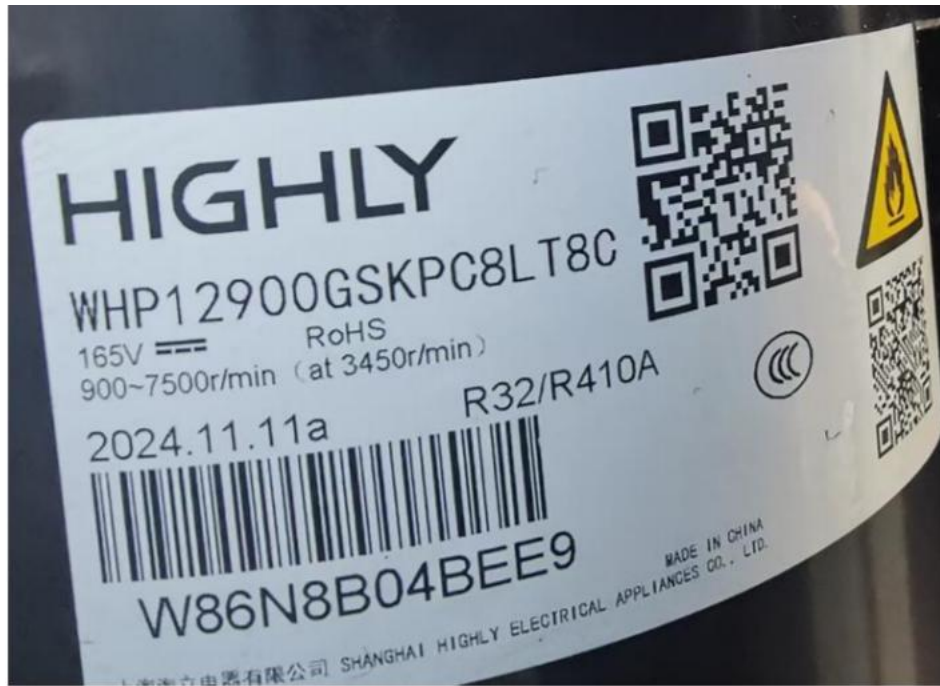
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NO. 7 Yuanlin Road, Nantou Town, Zhongshan City, Guangdong P.R.China



Photo of the tested sample:



Photo of compressor:



Summary

Test method		Enthalpy test room
COOLING CAPACITY(T1-Full load capacity)	Total cooling capacity in Btu/h	33611
	Air conditioner power consumption in W	2646
	Energy Efficiency Ratio(EER) in Btu/h/w	12.70
COOLING CAPACITY(T1-Half load capacity)	Total cooling capacity in Btu/h	16108
	Air conditioner power consumption in W	950
	Energy Efficiency Ratio(EER) in Btu/h/w	16.95
COOLING CAPACITY(T3)	Total cooling capacity in Btu/h	30933
	Air conditioner power consumption in W	3425
	Energy Efficiency Ratio(EER) in Btu/h/w	9.03
HEATING CAPACITY	Total cooling capacity in w	10889
	Air conditioner power consumption in W	2813
	Energy Efficiency Ratio(COP) in w/w	3.87

Test Result:☒ **Pass**☐ **Fail****Note: If failed, it shall be indicated which part it was fail in.**

1- Sample Information

Brand	TCL			
Model No.	System (if application)		TCC-36D1HWH/DVT-(C5)	
	Indoor (split system only)		TCC-36D1HWH/DVTI-(C5)	
	Outdoor (split system only)		TCC-36HH/DVTO-(C5)	
Serial number	Indoor: A00099		Outdoor: A00106	
Air-Conditioner Type	Split air conditioner			
Air Distribution	One way			
Type of system	R32	Mass of Refrigerant (kg)		2.0
Heat transfer	Cooling mode and heating mode			
Voltage(V)	230			
Phase	1ph			
Hz	60			
Compressor	Type		Rotary	
	Brand		Highly	
	Model Name		WHP12900GSKPC8LT8C	
	Maker		Shanghai Highly Electrical Appliances Co., Ltd.	
	Country of Origin		China	
Indoor Fan motor	Type		DC motor	
	Brand		Broad-ocean	
	Model		ZW511B500141L	
	Maker		ZHONGSHAN BROAD-OCEAN MOTOR CO.,LTD.	
	Country of Origin		China	
Outdoor Fan motor	Type		DC motor	
	Brand		Broad-ocean	
	Model		ZW511B500074L	
	Maker		ZHONGSHAN BROAD-OCEAN MOTOR CO..LTD	
	Country of Origin		China	
Evaporator	Volume(mm)		1020mm x 336 mm x 50.8mm	
	Type		Hydrophilic	
Condenser	Volume(mm)		990mm x 756 mm x 38.1mm	
	Type		Hydrophilic	
Refrigerant	Type: R32		2000g	
Dimensions	Indoor(mm)		Width:1200	Depth :700 Height :245
	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 (°C)	27.00
Wet bulb temperature, indoor (°C)	19.00
Dry bulb temperature, outdoor (°C)	35.00
Wet bulb temperature, outdoor (°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)

Test Duration(min)	90
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 (°C)	27.00
Wet bulb temperature, indoor (°C)	19.00
Dry bulb temperature, outdoor (°C)	35.00
Wet bulb temperature, outdoor (°C)	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)

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 (°C)	29.00
Wet bulb temperature, indoor (°C)	19.00
Dry bulb temperature, outdoor (°C)	46.00
Wet bulb temperature, outdoor (°C)	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



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 (°C)	20
Wet bulb temperature, indoor (°C)	15
Dry bulb temperature, outdoor (°C)	7
Wet bulb temperature, outdoor (°C)	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°C	<input checked="" type="checkbox"/> Tested <input type="checkbox"/> Declared	Result:	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Non Relevant
Operability at Minimum cooling conditions	<input checked="" type="checkbox"/> Tested <input type="checkbox"/> Declared		<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input checked="" type="checkbox"/> Non Relevant
Freeze up air blockage and freeze-up drip	<input checked="" type="checkbox"/> Tested <input type="checkbox"/> Declared		<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Non Relevant
Condensate control and enclosure sweat performance	<input checked="" type="checkbox"/> Tested <input type="checkbox"/> Declared		<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Non Relevant
Operability at Maximum heating conditions	<input checked="" type="checkbox"/> Tested <input type="checkbox"/> Declared		<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input checked="" type="checkbox"/> Non Relevant
Operability at Minimum heating conditions	<input checked="" type="checkbox"/> Tested <input type="checkbox"/> Declared		<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input checked="" type="checkbox"/> Non Relevant
Verification of automatic defrost	<input checked="" type="checkbox"/> Tested <input type="checkbox"/> Declared		<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> 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	
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 condition T1- Full load capacity)					
Mode	Rated	Tested	Verifying	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 T1- Half load capacity)					
Cooling capacity, Btu/h	/	/	/	/	/
Cooling power input, W	/	/	/	/	/
EER, Btu/W ·h	/	/	/	/	/
Cooling capacity test (for condition 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 capacity					
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 EER at T1)		B			
SEER class		B			
SEER		15.1			
Annual Energy Consumption(AEC) (kWh)		7101			
Remark: the results are based on mandatory tests and the default values used in other tests(if applicable) in Table 4 for test					

Cooling capacity(T1 Full load capacity)	$\geq 0.95 \times \text{rated capacity}$
Cooling power input(T1 Full load capacity)	$\leq 1.05 \times \text{rated}$
Cooling capacity(Half load capacity)	$\geq 0.95 \times \text{rated capacity}$
Cooling capacity(T3)	$\geq 0.95 \times \text{rated capacity}$
Cooling power input(T3)	$\leq 1.05 \times \text{rated}$
Heating capacity	$\geq 0.95 \times \text{rated capacity}$
Heating power input	$\leq 1.05 \times \text{rated}$
EER(T1 Full load capacity)	$\geq 0.95 \times \text{rated}$
EER(T3)	$\geq 0.95 \times \text{rated}$
COP	$\geq 0.95 \times \text{rated}$

**Nergy Rating Classification**

Table 6 – Seasonal Energy Efficiency Ratio (SEER) Classification			
Bar color	Energy class		SEER limits (Btu/W.h)
Dark green	أ	A	SEER ≥ 18.0
Green	ب	B	18.0 > SEER ≥ 15.0
Light green	ج	C	15.0 > SEER ≥ 12.5
Yellow	د	D	12.5 > SEER ≥ 10.0
Orange	هـ	E	10.0 > SEER ≥ 9.0
Red	و	F	9.0 > SEER ≥ 8.0
Dark Red	ز	G	8.0 > SEER

