
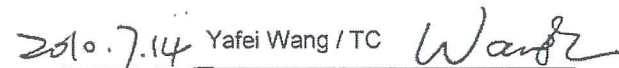


Produkte
 Products

Prüfbericht - Nr.: 14705028 001		Seite 1 von 4 Page 1 of 4	
<i>Test Report No.:</i>			
Auftraggeber: <i>Client:</i>			
Gegenstand der Prüfung: Heater <i>Test item:</i>			
Bezeichnung: <i>Identification:</i>	CH-400	Serien-Nr.: <i>Serial No.:</i>	Engineering sample
Wareneingangs-Nr.: <i>Receipt No.:</i>	1103011774	Eingangsdatum: <i>Date of receipt:</i>	2010-07-12
Prüfört: <i>Testing location:</i>	TÜV Rheinland /CCIC (Ningbo) Co., Ltd. 2 nd Floor, Yonggang Modern Building, 188 Jinghua Road, Hi-Tech Park, Ningbo 315103, P.R. China		
Prüfgrundlage: <i>Test specification:</i>	EN 60335-1:2002+A1+A11+A12+A2+A13 EN 60335-2-30:2003+A1+A2		
Prüfergebnis: <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>The test item passed the test specification(s).</i>		
Prüflaboratorium: <i>Testing Laboratory:</i>	TÜV Rheinland /CCIC (Ningbo) Co., Ltd. 8 th Floor, Yonggang Modern Building, 188 Jinghua Road, Hi-Tech Park, Ningbo 315103, P.R. China		
geprüft/ tested by:		kontrolliert/ reviewed by:	
 2010-07-14 Huafeng Gong / PE		 2010.7.14 Yafei Wang / TC	
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>
			Name/Stellung <i>Name/Position</i>
			Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects:			
No other electrical tests were performed in this report except for IPX4 test at the request of the client. Test result: pass			
Attachment 1: Measuring and Testing Equipment List(1 page)			
Abkürzungen:	P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet	Abbreviations:	P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugswise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>			

TEST REPORT EN 60 335-2-30 Safety of household and similar electrical appliances Part 2: Particular requirements for room heaters	
Report Reference No.....	14705028 001
Date of issue.....	See cover page
Total number of pages	7
Testing Laboratory	TÜV Rheinland /CCIC (Ningbo) Co., Ltd.
Address	8 th Floor, Yonggang Modern Building, 188 Jinhua Road, Hi-Tech Park, Ningbo 315103, P.R. China
Applicant's name	
Address	
Test specification:	
Standard	EN 60335-1:2002+A1+A11+A12+A2+A13 EN 60335-2-30:2003+A1+A2
Test procedure	IPX4 Test
Non-standard test method	N/A
Test Report Form No.	IECEN60335_2_30F
Test Report Form(s) Originator	VDE
Master TRF	Dated 2009-03
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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.	
If this Test Report Form is used by non-CCA members, the CIG logo and the reference to the CCA Procedure shall be removed.	
This report is not valid as a CCA Test Report unless signed by an approved CCA Testing Laboratory and appended to a CCA Test Certificate issued by an NCB in accordance with CCA	
Test item description	Heater
Trade Mark	N/A
Manufacturer	
Model/Type reference.....	CH-400
Ratings	AC230V 50Hz 400W

Copy of marking plate	
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;"> <p>CH-400 AC230V 50Hz 400W</p> </div>	
Test item particulars	
Classification of installation and use	Portable appliance
Supply Connection.....	Type Y attachment(power cord fitted with a plug)
.....
.....
Possible test case verdicts:	
- test case does not apply to the test object.....	N/A
- test object does meet the requirement	P(Pass)
- test object does not meet the requirement	F(Fail)
Testing	
Date of receipt of test item	2010-07-12
Date (s) of performance of tests	2010-07-13
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.	
Note: This TRF includes EN Group Differences together with National Differences and Special National Conditions, if any. All Differences are located in the Appendix to the main body of this TRF.	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.	
Throughout this report a point is used as the decimal separator.	

EN 60335-1:2002+A11+A1+A12+A2; EN 60335-2-30:2003+A1+A2			
clause	Requirement - Test	Result - Remark	Verdict
15	MOISTURE RESISTANCE		---
15.1	Enclosure provides the degree of moisture protection according to classification of the appliance	IPX4	P
	Compliance checked as specified in 15.1.1, taking into account 15.1.2, followed by the electric strength test of 16.3		P
	No trace of water on insulation which can result in a reduction of clearances and creepage distances below values specified in clause 29		P
15.1.1	Appliances, other than IPX0, subjected to tests as specified in IEC 60529	IPX4	P
15.1.2	Appliances normally fixed to a wall and appliances with pins for insertion into socket-outlets are mounted on a wooden board	Appliance fixed to a wall	P
	For IPX4 appliances, the horizontal centre line of the appliance is aligned with the pivot axis of the oscillating tube		P
	For IPX4 appliances, the movement of the tube is limited to two times 90° from the vertical for a period of 5 min (IEC/EN 60335-1/A1)		P
	Wall-mounted appliances, take into account the distance to the floor stated in the instructions		N/A
	Detachable parts tested as specified	No detachable parts	N/A
16	LEAKAGE CURRENT AND ELECTRIC STRENGTH		---
16.3	Electric strength tests according to table 7		P
	No breakdown during the tests		P

Remark:

This report does not approve the compliance of the provided sample with the standard but only with the referred tests.

This report does not entitle the applicant to carry any safety mark on this or similar products.

Further for sales or other application purposed of the tested product, any reference to TÜV Rheinland or a test through TÜV Rheinland is only permissible with prior written consent of TÜV Rheinland.

- END -

TÜV Rheinland/CCIC(Ningbo)Co.,Ltd



Measuring and Testing Equipment List

Used MTE

Report Number: 14705028 001

Description	MTE Type/model	Internal ID	Next Calibration (DD/MM/YY)
<input checked="" type="checkbox"/> Digital Power Meter	WT210 27E442930D	1.005	11/11/2010
<input type="checkbox"/> Withstanding Voltage Tester	TOS5051	1.006	11/11/2010
<input checked="" type="checkbox"/> Withstanding Voltage Tester	TOS5101	1.006A	11/11/2010
<input checked="" type="checkbox"/> IPX3, X4; X5, X6;	1083	1.051	19/11/2011

Measurement Uncertainty Reference Data

Temperature Rise Measurement

(Thermocouple method): $\pm 3.5^{\circ}\text{C}$ (Winding resistance method): $\pm 3.08^{\circ}\text{C}$ Earth Continuity Measurement: $\pm 0.005\ \Omega$ Leakage Current Measurement: $\pm 16.3\ \mu\text{A}$ Clearance & Creepage Distance Measurement: $\pm 0.14\ \text{mm}$ Closing time of the lower guard of hand-held circular saw: $\pm 0.022\ \text{s}$ Ball pressure Measurement: $\pm 0.132\ \text{mm}$ Signature: Tang Jigang Date: 2010-05-13