

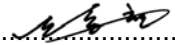




TEST REPORT

IEC 60 335-2-24

Safety of household and similar electrical appliances

Part 2: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers

Report reference No :	077-225889-000	
Compiled by (+ signature)..... :	Chris Seo	
Approved by (+ signature)..... :	Brian Cha	
Date of issue	2010-03-30	
CB Testing Laboratory	TÜV SÜD Korea Laboratory (TKL)	
Address	#315 and 316, MARIO Tower, 222-12, Guro-Dong, Guro-Gu, 152-050, Seoul, REPUBLIC OF KOREA	
Testing location/procedure	CBTL <input checked="" type="checkbox"/> SMT <input type="checkbox"/> TMP <input type="checkbox"/>	
Address	same as above	
Applicant's Name	HYUNDAI WacorTec Co., Ltd.	
Address	684-49, Gongreung-dong, Nowon-Ku, Seoul, Republic of Korea	
Test specification		
Standard	IEC 60 335-2-24:2002 (Sixth edition) used in conjunction with IEC 60 335-1:2001 (Fourth edition)	
Test procedure	CB	
Non-standard test method	N/A	
Test Report Form	IEC60335_2_24E	
TRF originator.	SEV	
Master TRF (date)	Dated 2003-04	
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Test item description	Hot & Cold Water Purifier System	
Trademark		
Model and/or type reference	W2-360, W2-360H, W2-340	
Manufacturer	Same as applicant	
Rating(s)	100 V~; 50/60 Hz; 2,0 A, 130 W (Cold); 4,0 A, 400 W (Hot); Climate Class N; IPX1	



Copy of marking plate and summary of test results (information/comments):

<p>HYUNDAI</p> <p>Hot & Cold Water Purifier System</p> <p>MODEL NO. W2-360</p> <p>POWER SOURCE. 100V~ 50/60 Hz 2.0A(cold)/130W 4.0A(hot) /400W</p> <p>REFRIGERANT & AMOUNT R-134a / 55g</p> <p>RATED WATER PRESSURE : 147.1~490.3kpa</p> <p>CLIMATE CLASS N IPX1</p> <p>MANUFACTURER: HYUNDAI Wacor Tec. Co., Ltd.</p> <p>FOR HOUSEHOLD USE MADE IN KOREA</p>	<p style="text-align: center;">(P) S (E)</p> <p style="text-align: center;">▲ 注意 ▲</p> <p style="text-align: center;">感電の危険があります。 絶対開けないで下さい。</p> <p style="text-align: center;">WARNING : SHOCK HAZARD-DO NOT OPEN</p> <hr/> <p>CAPACITY OF WATER STORAGE TANK</p> <table border="1"> <tr> <td>PURIFIER WATER</td> <td>4L(RESERVIOR)</td> </tr> <tr> <td>COLD WATER</td> <td>4L</td> </tr> <tr> <td>HOT WATER</td> <td>3L</td> </tr> </table>	PURIFIER WATER	4L(RESERVIOR)	COLD WATER	4L	HOT WATER	3L
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HOT WATER	3L						

<p>HYUNDAI</p> <p>Hot & Cold Water Purifier System</p> <p>MODEL NO. W2-360H</p> <p>POWER SOURCE. 100V~ 50/60 Hz 2.0A(cold)/130W 4.0A(hot) /400W</p> <p>REFRIGERANT & AMOUNT R-134a / 35g</p> <p>RATED WATER PRESSURE : 147.1~490.3kpa</p> <p>CLIMATE CLASS N IPX1</p> <p>MANUFACTURER: HYUNDAI Wacor Tec. Co., Ltd.</p> <p>FOR HOUSEHOLD USE MADE IN KOREA</p>	<p style="text-align: center;">(P) S (E)</p> <p style="text-align: center;">▲ 注意 ▲</p> <p style="text-align: center;">感電の危険があります。 絶対開けないで下さい。</p> <p style="text-align: center;">WARNING : SHOCK HAZARD-DO NOT OPEN</p> <hr/> <p>CAPACITY OF WATER STORAGE TANK</p> <table border="1"> <tr> <td>PURIFIER WATER</td> <td>4L(RESERVIOR)</td> </tr> <tr> <td>COLD WATER</td> <td>3L</td> </tr> <tr> <td>HOT WATER</td> <td>3L</td> </tr> </table>	PURIFIER WATER	4L(RESERVIOR)	COLD WATER	3L	HOT WATER	3L
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<p>HYUNDAI</p> <p>Hot & Cold Water Purifier System</p> <p>MODEL NO. W2-340</p> <p>POWER SOURCE. 100V~ 50/60 Hz 2.0A(cold)/130W 4.0A(hot) /400W</p> <p>REFRIGERANT & AMOUNT R-134a / 55g</p> <p>RATED WATER PRESSURE : 147.1~490.3kpa</p> <p>CLIMATE CLASS N IPX1</p> <p>MANUFACTURER: HYUNDAI Wacor Tec. Co., Ltd.</p> <p>FOR HOUSEHOLD USE MADE IN KOREA</p>	<p style="text-align: center;">(P) S (E)</p> <p style="text-align: center;">▲ 注意 ▲</p> <p style="text-align: center;">感電の危険があります。 絶対開けないで下さい。</p> <p style="text-align: center;">WARNING : SHOCK HAZARD-DO NOT OPEN</p> <hr/> <p>CAPACITY OF WATER STORAGE TANK</p> <table border="1"> <tr> <td>PURIFIER WATER</td> <td>4L(RESERVIOR)</td> </tr> <tr> <td>COLD WATER</td> <td>4L</td> </tr> <tr> <td>HOT WATER</td> <td>3L</td> </tr> </table>	PURIFIER WATER	4L(RESERVIOR)	COLD WATER	4L	HOT WATER	3L
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COLD WATER	4L						
HOT WATER	3L						

**Summary of testing:**

- All tests were conducted on model W2-360 and W2-360H.
- The items tested were found to be in compliance with the test standards of IEC 60 335-2-24:2002 (Sixth edition) in conj. with IEC 60335-1: 2001 (Fourth edition) concerning cold water storage system in the product and test standards of IEC 60335-2-21:2002 (Fifth Edition) concerning hot water storage system in the product.
- The item tested were found to be in conformity with the specified standards and is also compatible with test standards of JIS C 9335-2-24:2005 and JIS C 9335-2-21:2005 used in conjunction with JIS C 9335-1:2003.
- This test report is used for reference for the application for Japan PSE declaration of conformity according to Ordinance 2 procedure of Japan Electrical Appliance and Material Law.
- Attachment1: National differences for Japan -> 10 pages
- Attachment2: Comparison table between JIS C 9335-1:2003 and IEC 60335-1:2001-> 10 pages
- Attachment3: Comparison table between JIS C 9335-2-21:2005 and IEC 60335-2-21:2002-> 5 pages
- Attachment4: Comparison table between JIS C 9335-2-24:2005 and IEC 60335-2-24:2002-> 7 pages
- Attachment5: Circuit diagram-> 2 pages
- Attachment6: Photos-> 8 pages
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Test items particulars :

Classification of installation and use.....: Class I appliance,
 Floor-standing and table-top or counter-top

Supply Connection.....: Power supply cord with plug

Possible test case verdicts :

Test case does not apply to the test object.....: N/A

Test item does meet the requirement.....: P(Pass)

Test item does not meet the requirement.....: F(Fail)

Testing

Date of receipt of test item: 2009-11-11

Date(s) of performance of test.....: 2009-11-12 to 2010-03-30

General remarks

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 IEC 60335-2-24:2002.

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.

Throughout this report a comma (~~point~~) is used as the decimal separator.

General product information:

- Model W2-360H is hot and cold water purifier system having a compressor and a sheathed heater and it is tested as the represented model for counter-top or table-top type.
- Model W2-360 is a floor standing type hot and cold water purifier system it is tested as the represented model for floor standing type.
- Model difference and external dimension.
 - 1) Model W2-360 and W2-340 are similar with the tested model W2-360H except for the small difference of external dimension of enclosure and the cosmetic design.
 - 3) The same critical components including a compressor and a sheathed heater are provided for the each model.
 - 4) Water purifying filter system for floor standing type is located in the lower side of enclosure and for counter-top or table-top type is placed in the left side of enclosure

Model No.	Dimension (mm)	Installation and use
W2-360	360(W) x 420(D) x 1240(H)	Floor standing type
W2-340	340(W) x 420(D) x 1240(H)	Floor standing type
W2-360H	360(W) x 420(D) x 520(H)	Counter-top or table top type