



Test Report issued under the responsibility of:



<b>TEST REPORT</b> <b>IEC 60335-2-15</b> <b>Safety of household and similar electrical appliances</b> <b>Part 2: Particular requirements for appliances for heating liquids</b>	
<b>Report Number</b> .....	<b>50253735 002</b>
<b>Date of issue</b> .....	<b>2022-10-14</b>
<b>Total number of pages</b> .....	<b>43 pages</b>
<b>Name of Testing Laboratory preparing the Report</b> .....	TÜV Rheinland Korea Ltd.
<b>Applicant's name</b> .....	WACO Corp.
<b>Address</b> .....	A-301, Hagye Technotwon, 10, Nowon-ro 15-gil, Nowon-gu, Seoul, 01788, Republic of Korea
<b>Test specification:</b>	
<b>Standard</b> .....	IEC 60335-2-15:2012, AMD1:2016, AMD2:2018 for use in conjunction with IEC 60335-1:2010, COR1:2010, COR2:2011, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016
<b>Test procedure</b> .....	CB Scheme
<b>Non-standard test method</b> .....	N/A
<b>Test Report Form No.</b> .....	IEC60335_2_15P
<b>Test Report Form(s) Originator</b> ....	IMQ S.p.A.
<b>Master TRF</b> .....	Dated 2019-04-02
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If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.	
<b>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.</b>	
<b>General disclaimer:</b>	
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 CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.	

<b>Test item description</b> ..... :	Hot & Cold Water Dispenser	
<b>Trade Mark</b> ..... :	WACO	
<b>Manufacturer</b> .....	WACO Corp. (Same as applicant)	
<b>Model/Type reference</b> ..... :	INFINITE-L, INFINITE-M, INFINITE-S, INFINITE-20, <b>INFINITE-L (UF), INFINITE-S (UF) (see page 8)</b>	
<b>Ratings</b> ..... :	220-240 V ~, 50/60 Hz, Climatic class : T, Class I Hot : 470 W, Cold : 0.8-0.9 A	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	TÜV Rheinland Korea Ltd.
<b>Testing location/ address</b> .....	2F, N-Tower, Semicolon Mullaee 25, Mullaee-ro 28-gil, Yeongdeungpo-gu, Seoul #07298, Republic of Korea	
<b>Tested by (name, function, signature)</b> ..... :	Song-Yi Shin Project Engineer	
<b>Approved by (name, function, signature) .. :</b>	Ki-Tae Park Reviewer	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> ..... :		
<b>Approved by (name, function, signature) .. :</b>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> ..... :		
<b>Witnessed by (name, function, signature) .. :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3:</b>	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> ..... :		
<b>Witnessed by (name, function, signature) .. :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<b>Supervised by (name, function, signature) :</b>		

**List of Attachments (including a total number of pages in each attachment):**
**Attachment separated from this Test Report :**

- EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

**Attachment separated from this Test Report :**

- Photo documents : 5 pages

- Attachment of 50253735 002 for IEC 60335-2-24

**Summary of testing:**

**Production sample without serial no. was tested.**

**The model, INFINITE-S(UF), was tested as the representative model, the most unfavourable results were written in this report and fulfilled the test specifications**

**Tests performed (name of test and test clause):**

**All applicable tests as described in the compliance checklist were performed at TÜV Rheinland Korea Ltd.**

**Testing location:**

**TÜV Rheinland Korea Ltd.**

**2F, N-Tower, Semicolon Mullaee 25, Mullaee-ro 28-gil, Yeongdeungpo-gu, Seoul #07298, Republic of Korea**

**Summary of compliance with National Differences (List of countries addressed):**

EU Group Differences, EU Special National Conditions, EU A-Deviations

 **The product fulfils the requirements of**










- EN 60335-2-15:2016 + A11:2018 + **A1:2021 + A2:2021 + A12:2021** used in conjunction with










- EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + **A1:2019 + A14:2019 + A2:2019 + A15:2021**






- EN 62233:2008






**Copy of marking plate:**




The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBS that own these marks.




<h2>Hot &amp; Cold Water Dispenser</h2>	  													
<b>MODEL NO. INFINITE-S</b>  POWER SOURCE. 220 -240V ~ 50/60Hz HOT : 470W , COLD : 0.8-0.9A Climatic Class : T Total mass of refrigerant : 36g Refrigerant : R-134a	<table border="1"> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"> <b>CAUTION</b>                      RISK OF ELECTRIC SHOCK                      DO NOT OPEN                 </td> <td style="text-align: center;"></td> </tr> </table> <p><b>WARNING : SHOCK HAZARD-DO NOT OPEN.</b>  <b>AVIS : RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR</b></p> <p><b>WARNING :</b> TO PREVENT ELECTRIC SHOCK OR FIRE HAZARD, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT EXPOSE THIS APPLIANCE TO WATER OR MOISTURE.</p> <table border="1"> <tr> <td><b>WARNING</b></td> <td>REFER INTERNAL SERVICING TO QUALIFIED PERSONNEL.</td> </tr> <tr> <td><b>ATTENTION</b></td> <td>L'APPAREIL NE DOIT ETRE OUVERT QUE PAR UN SPECIALISTE</td> </tr> <tr> <td><b>ACHTUNG</b></td> <td>DAS GERÄT DARF NUR VOM FACHMANN GEÖFFNET WERDEN</td> </tr> <tr> <td><b>ATTENZIONE</b></td> <td>L'APPARECCHIO DEVE ESSERE APERTO DA UNO SPECIALISTA</td> </tr> <tr> <td><b>ATENCION</b></td> <td>ESTE APARATO DEBE SER ABIERTO POR UN TECNICO ESPECIALIZADO</td> </tr> </table>		<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN		<b>WARNING</b>	REFER INTERNAL SERVICING TO QUALIFIED PERSONNEL.	<b>ATTENTION</b>	L'APPAREIL NE DOIT ETRE OUVERT QUE PAR UN SPECIALISTE	<b>ACHTUNG</b>	DAS GERÄT DARF NUR VOM FACHMANN GEÖFFNET WERDEN	<b>ATTENZIONE</b>	L'APPARECCHIO DEVE ESSERE APERTO DA UNO SPECIALISTA	<b>ATENCION</b>	ESTE APARATO DEBE SER ABIERTO POR UN TECNICO ESPECIALIZADO
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<h2>Hot &amp; Cold Water Dispenser</h2>	  													
<b>MODEL NO. INFINITE-M</b>  POWER SOURCE. 220 -240V ~ 50/60Hz HOT : 470W , COLD : 0.8-0.9A Climatic Class : T Total mass of refrigerant : 36g Refrigerant : R-134a	<table border="1"> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"> <b>CAUTION</b>                      RISK OF ELECTRIC SHOCK                      DO NOT OPEN                 </td> <td style="text-align: center;"></td> </tr> </table> <p><b>WARNING : SHOCK HAZARD-DO NOT OPEN.</b>  <b>AVIS : RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR</b></p> <p><b>WARNING :</b> TO PREVENT ELECTRIC SHOCK OR FIRE HAZARD, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT EXPOSE THIS APPLIANCE TO WATER OR MOISTURE.</p> <table border="1"> <tr> <td><b>WARNING</b></td> <td>REFER INTERNAL SERVICING TO QUALIFIED PERSONNEL.</td> </tr> <tr> <td><b>ATTENTION</b></td> <td>L'APPAREIL NE DOIT ETRE OUVERT QUE PAR UN SPECIALISTE</td> </tr> <tr> <td><b>ACHTUNG</b></td> <td>DAS GERÄT DARF NUR VOM FACHMANN GEÖFFNET WERDEN</td> </tr> <tr> <td><b>ATTENZIONE</b></td> <td>L'APPARECCHIO DEVE ESSERE APERTO DA UNO SPECIALISTA</td> </tr> <tr> <td><b>ATENCION</b></td> <td>ESTE APARATO DEBE SER ABIERTO POR UN TECNICO ESPECIALIZADO</td> </tr> </table>		<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN		<b>WARNING</b>	REFER INTERNAL SERVICING TO QUALIFIED PERSONNEL.	<b>ATTENTION</b>	L'APPAREIL NE DOIT ETRE OUVERT QUE PAR UN SPECIALISTE	<b>ACHTUNG</b>	DAS GERÄT DARF NUR VOM FACHMANN GEÖFFNET WERDEN	<b>ATTENZIONE</b>	L'APPARECCHIO DEVE ESSERE APERTO DA UNO SPECIALISTA	<b>ATENCION</b>	ESTE APARATO DEBE SER ABIERTO POR UN TECNICO ESPECIALIZADO
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<b>Hot &amp; Cold Water Dispenser</b>		  										
<b>MODEL NO. INFINITE-L</b>  POWER SOURCE. 220 -240V ~ 50/60Hz HOT : 470W , COLD : 0.8-0.9A Climatic Class : T Total mass of refrigerant : 36g Refrigerant : R-134a		 <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>CAUTION</b>                      RISK OF ELECTRIC SHOCK                      DO NOT OPEN                 </div> 										
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<b>Hot &amp; Cold Water Dispenser</b>		  										
<b>MODEL NO. INFINITE-20</b>  POWER SOURCE. 220 -240V ~ 50/60Hz HOT : 470W , COLD : 0.8-0.9A Climatic Class : T Total mass of refrigerant : 36g Refrigerant : R-134a		 <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>CAUTION</b>                      RISK OF ELECTRIC SHOCK                      DO NOT OPEN                 </div> 										
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<h3>Hot &amp; Cold Water Dispenser</h3>	  										
<p><b>MODEL NO. INFINITE-L (UF)</b></p> <p>POWER SOURCE.                  220 -240V ~ 50/60Hz                  HOT : 470W , COLD : 0.8-0.9A                  Climatic Class : T                  Total mass of refrigerant : 36g                  Refrigerant : R-134a</p>	<div style="border: 1px solid black; padding: 5px;"> <p><b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN</p> </div> <p><b>WARNING : SHOCK HAZARD-DO NOT OPEN.</b>  <b>AVIS : RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR</b></p> <p><b>WARNING :</b> TO PREVENT ELECTRIC SHOCK OR FIRE HAZARD, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT EXPOSE THIS APPLIANCE TO WATER OR MOISTURE.</p> <table border="1"> <tr> <td><b>WARNING</b></td> <td>REFER INTERNAL SERVICING TO QUALIFIED PERSONNEL.</td> </tr> <tr> <td><b>ATTENTION</b></td> <td>L'APPAREIL NE DOIT ETRE OUVERT QUE PAR UN SPECIALISTE</td> </tr> <tr> <td><b>ACHTUNG</b></td> <td>DAS GERA DARF NUR VOM FACHMANN GEOPNET WERDEN</td> </tr> <tr> <td><b>ATTENZIONE</b></td> <td>L'APPARECCHIO DEVE ESSERE APERTO DA UNO SPECIALISTA</td> </tr> <tr> <td><b>ATENCION</b></td> <td>ESTE APARATO DEBE SER ABIERTO POR UN TECNICO ESPECIALIZADO</td> </tr> </table>	<b>WARNING</b>	REFER INTERNAL SERVICING TO QUALIFIED PERSONNEL.	<b>ATTENTION</b>	L'APPAREIL NE DOIT ETRE OUVERT QUE PAR UN SPECIALISTE	<b>ACHTUNG</b>	DAS GERA DARF NUR VOM FACHMANN GEOPNET WERDEN	<b>ATTENZIONE</b>	L'APPARECCHIO DEVE ESSERE APERTO DA UNO SPECIALISTA	<b>ATENCION</b>	ESTE APARATO DEBE SER ABIERTO POR UN TECNICO ESPECIALIZADO
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<h3>Hot &amp; Cold Water Dispenser</h3>	  										
<p><b>MODEL NO. INFINITE-S (UF)</b></p> <p>POWER SOURCE.                  220 -240V ~ 50/60Hz                  HOT : 470W , COLD : 0.8-0.9A                  Climatic Class : T                  Total mass of refrigerant : 36g                  Refrigerant : R-134a</p>	<div style="border: 1px solid black; padding: 5px;"> <p><b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN</p> </div> <p><b>WARNING : SHOCK HAZARD-DO NOT OPEN.</b>  <b>AVIS : RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR</b></p> <p><b>WARNING :</b> TO PREVENT ELECTRIC SHOCK OR FIRE HAZARD, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT EXPOSE THIS APPLIANCE TO WATER OR MOISTURE.</p> <table border="1"> <tr> <td><b>WARNING</b></td> <td>REFER INTERNAL SERVICING TO QUALIFIED PERSONNEL.</td> </tr> <tr> <td><b>ATTENTION</b></td> <td>L'APPAREIL NE DOIT ETRE OUVERT QUE PAR UN SPECIALISTE</td> </tr> <tr> <td><b>ACHTUNG</b></td> <td>DAS GERA DARF NUR VOM FACHMANN GEOPNET WERDEN</td> </tr> <tr> <td><b>ATTENZIONE</b></td> <td>L'APPARECCHIO DEVE ESSERE APERTO DA UNO SPECIALISTA</td> </tr> <tr> <td><b>ATENCION</b></td> <td>ESTE APARATO DEBE SER ABIERTO POR UN TECNICO ESPECIALIZADO</td> </tr> </table>	<b>WARNING</b>	REFER INTERNAL SERVICING TO QUALIFIED PERSONNEL.	<b>ATTENTION</b>	L'APPAREIL NE DOIT ETRE OUVERT QUE PAR UN SPECIALISTE	<b>ACHTUNG</b>	DAS GERA DARF NUR VOM FACHMANN GEOPNET WERDEN	<b>ATTENZIONE</b>	L'APPARECCHIO DEVE ESSERE APERTO DA UNO SPECIALISTA	<b>ATENCION</b>	ESTE APARATO DEBE SER ABIERTO POR UN TECNICO ESPECIALIZADO
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<b>Test item particulars:</b> Hot & Cold Water Dispenser	
<b>Classification of installation and use</b> .....: Class I appliance	
<b>Supply Connection</b> .....: Type Y attachment	
.....:	
<b>Possible test case verdicts:</b>	
- 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)	
<b>Testing:</b>	
<b>Date of receipt of test item</b> .....: 2022-09-16	
<b>Date (s) of performance of tests</b> .....: 2022-10-05 - 2022-10-06	
<b>General remarks:</b>	
"(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 <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.	
<b>Manufacturer's Declaration per Subclause 4.2.5 of IEC60335-1:</b>	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....:	<input type="checkbox"/> <b>Yes</b> <input checked="" type="checkbox"/> <b>Not applicable</b>
<b>When differences exist; they shall be identified in the General product information section.</b>	
<b>Name and address of factory (ies)</b> .....: WACO Corp. 11-19, Muran 2-gil, Soheul-eup, Pocheon-si, Gyeonggi-do, 11184, Republic of Korea	

**General product information:**

The appliance is electric Hot & Cold water Dispenser for household and similar use.

**Model difference :**

The family models, INFINITE-M, INFINITE-L, INFINITE-20, are identical to the basic model, INFINITE-S, except for water capacity and product size.

Model	Size (mm)	Total water capacity (l)
INFINITE-S	310 x 381 x 520	4.5
INFINITE-M	310 x 381 x 1025	7
INFINITE-L	310 x 381 x 1200	9
INFINITE-20	310 x 322 x 1025	5

The model INFINITE-L (UF) is exactly same to model INFINITE-L except for Noise Filter, Boost Pump, Solenoid Valve, Micro Switch, Power Supply. The model INFINITE-L (UF) do not incorporate Noise Filter, Boost Pump, Solenoid Valve, Micro Switch, Power Supply adaptor.

The model INFINITE-S (UF) is exactly same to model INFINITE-S except for Noise Filter, Boost Pump, Solenoid Valve, Micro Switch, Power Supply. The model INFINITE-S (UF) do not incorporate Noise Filter, Boost Pump, Solenoid Valve, Micro Switch, Power Supply adaptor.

**Modification (from the test report 50253735 001 issued on 2019-07-23)**

New model INFINITE-L (UF), INFINITE-S (UF) are added.

Updated EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

**History of amendments and modifications:**

Ref. No. 50253735 001, dated 2019-07-23 (Original test report)

Ref. No. 50253735 002, dated 2022-10-14 (1<sup>st</sup> Modification)

This report is not valid without the original test report.



<b>IEC 60335-2-15</b>			
Clause	Requirement + Test	Result - Remark	Verdict
<b>7</b>	<b>MARKING AND INSTRUCTIONS</b>		P
7.1	Rated voltage or voltage range (V) ..... :	220 – 240	P
	Symbol for nature of supply, or ..... :	~	P
	Rated frequency (Hz) ..... :	50/60	P
	Rated power input (W), or ..... :	470 W	P
	Rated current (A) ..... :	0.8-0.9	P
	Manufacturer's or responsible vendor's name, trademark or identification mark ..... :	See marking plate	P
	Model or type reference ..... :	See marking plate	P
	Symbol IEC 60417-5172, for class II appliances		N/A
	IP number, other than IPX0..... :	IPX0	N/A
	Symbol IEC 60417-5180 (2003-02), for class III appliances, unless		N/A
	the appliance is operated by batteries only, or	No batteries	N/A
	for appliances powered by rechargeable batteries recharged in the appliance		N/A
	Symbol IEC 60417-5018, for class II and class III appliances incorporating a functional earth		N/A
	Symbol IEC 60417-5036, for the enclosure of electrically-operated water valves in external hose-sets for connection of an appliance to the water mains, if the working voltage exceeds extra-low voltage		N/A
	Appliances intended to be partially immersed in water for cleaning, marked with the maximum level of immersion, and (IEC 60335-2-15)		N/A
	with the substance of the following: "Do not immerse beyond this level" (IEC 60335-2-15)		N/A
	For kettles: level mark or other means which indicate the rated capacity, unless (IEC 60335-2-15)		N/A
	they cannot be filled beyond their rated capacity (IEC 60335-2-15)		N/A
	Indication visible whit kettle in filling position (IEC 60335-2-15)		N/A
	Reference to the level mark on the outside of the kettle, if the level is not self-evident (IEC 60335-2-15)		N/A

<b>IEC 60335-2-15</b>			
Clause	Requirement + Test	Result - Remark	Verdict
	Marking on the appliance of the closed position of the lid of pressure cooker, if it is not obvious (IEC 60335-2-15)		N/A
	Identification mark and model or type reference of stand for cordless kettles (IEC 60335-2-15)		N/A
	Soy milk makers: level mark or other means to indicate when they are filled to rated capacity, unless (IEC 60335-2-15)		N/A
	they cannot be filled beyond their rated capacity (IEC 60335-2-15)		N/A
<b>10</b>	<b>POWER INPUT AND CURRENT</b>		<b>P</b>
10.1	Power input at normal operating temperature, rated voltage and normal operation not deviating from rated power input by more than shown in Table 1.:	(see appended table)	<b>P</b>
	If the power input varies throughout the operating cycle and the maximum value of the power input exceeds, by a factor greater than two, the arithmetic mean value of the power input occurring during a representative period, the power input is the maximum value that is exceeded for more than 10 % of the representative period		N/A
	Otherwise the power input is the arithmetic mean value		<b>P</b>
	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless		N/A
	the rated power input is related to the arithmetic mean value		<b>P</b>
	The power input of automatic coffee-makers is measured during one operating cycle that is selectable by the user, such as cleaning, descaling, or selecting a beverage. The measurement starts with the appliance at room ambient temperature (IEC 60335-2-15, AMD1)		N/A
	The operating cycle starts with the activation by the user and ends when the appliance stops the cycle automatically and the next operating cycle can be started by the user (IEC 60335-2-15, AMD1)		N/A
10.2	Current at normal operating temperature, rated voltage and normal operation not deviating from rated current by more than shown in Table 2..... :	(see appended table)	<b>P</b>

<b>IEC 60335-2-15</b>			
Clause	Requirement + Test	Result - Remark	Verdict
	If the current varies throughout the operating cycle and the maximum value of the current exceeds, by a factor greater than two, the arithmetic mean value of the current occurring during a representative period, the current is the maximum value that is exceeded for more than 10 % of the representative period		N/A
	Otherwise the current is the arithmetic mean value		N/A
	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless		P
	the rated current is related to the arithmetic mean value of the range		N/A
	The input current of automatic coffee-makers is measured during one operating cycle that is selectable by the user, such as cleaning, descaling, or selecting a beverage. The measurement starts with the appliance at room ambient temperature (IEC 60335-2-15, AMD1)		N/A
	The operating cycle starts with the activation by the user and ends when the appliance stops the cycle automatically and the next operating cycle can be started by the user (IEC 60335-2-15, AMD1)		N/A
<b>11</b>	<b>HEATING</b>		P
11.1	No excessive temperatures in normal use		P
11.2	The appliance is held, placed or fixed in position as described .....		P
	Portable appliances tested away from the walls of the test corner (IEC 60335-2-15)		N/A
	Coffee-makers with a decorative door or intended to be used in a cabinet shall be tested with the door open (IEC 60335-2-15, AMD1)		N/A
11.3	Temperature rises, other than of windings, determined by thermocouples		P
	Temperature rises of windings determined by resistance method, unless		P
	the windings are non-uniform or it is difficult to make the necessary connections		P
	See Note 101 (IEC 60335-2-15)		P
11.4	Heating appliances operated under normal operation at 1,15 times rated power input (W) .... :		N/A

IEC 60335-2-15			
Clause	Requirement + Test	Result - Remark	Verdict
	If the temperature rise limits are exceeded in appliances incorporating motors, transformers or electronic circuits and if the power input is lower than the rated power input, test repeated with the appliance supplied at 1,06 times rated voltage (IEC 60335-2-15)		N/A
	Appliances with electronic power controls are operated as combined appliances (IEC 60335-2-15, AMD1)		N/A
11.5	Motor-operated appliances operated under normal operation at most unfavourable voltage between 0,94 and 1,06 times rated voltage (V) .....		N/A
11.6	Combined appliances operated under normal operation at most unfavourable voltage between 0,94 and 1,06 times rated voltage (V) .....	220 x 0.94 = 206.8 240 x 1.06 = 254.4	P
	Combined appliances tested as heating appliances (IEC 60335-2-15)		P
11.7	Appliances operated for the duration specified in 11.7.101 to 11.7.106 (IEC 60335-2-15)		N/A
11.7.101	For kettles with temperature limiter: test terminated after second operation of temperature limiter (IEC 60335-2-15)		N/A
	For kettles with thermostat: test terminated 15 min after the water has attained 95 °C		N/A
	For other kettles: test terminated 5 min after the water has attained 95 °C		N/A
11.7.102	For cooking pans, egg boilers, feeding-bottle heaters, glue pots, livestock feed boilers, milk heaters, sterilizers, wash boilers and for appliances that boil water other than kettles, the test is terminated: (IEC 60335-2-15)		N/A
	- appliances without a thermal control: 15 min after the water in the container has attained a temperature of 95 °C or the maximum temperature it can attain if this is lower		N/A
	- portable appliances provided with a thermal control: 15 min after the thermal control has operated for the first time		N/A
	- fixed appliances provided with a thermal control: 30 min after the thermal control has operated for the first time		N/A
	- appliances with acoustic signal: 1 min after signal		N/A
	- egg boilers having provision for keeping eggs warm, and appliances having a heated surface intended to keep liquid warm: when steady conditions are established		N/A

IEC 60335-2-15			
Clause	Requirement + Test	Result - Remark	Verdict
11.7.103	Slow cookers, rice cookers, steam cookers and yoghurt makers operated until steady conditions are established (IEC 60335-2-15)		N/A
	Slow cookers pre-warmed in the dry state if this instruction is given		N/A
11.7.104	For espresso coffee-makers, the brewing period is followed by a rest period of 1 min or the period stated in the instructions, if this is longer. The water container is refilled during the rest periods (IEC 60335-2-15, AMD1)		N/A
	For automatic espresso coffee makers and espresso coffee makers, the brewing period is the time necessary to produce the maximum quantity of coffee allowed by the timer or by the capacity of the coffee pot		N/A
	For manual espresso coffee makers, maximum quantity of coffee to be produced specified in the instructions, or		N/A
	the brewing period is the time necessary to produce 100 ml of coffee for each cycle		N/A
	For espresso coffee-makers having an outlet for supplying steam or hot water, the brewing period is immediately followed by a period during which the steam or water is supplied for the time stated in the instructions, or		N/A
	- for espresso coffee makers having an outlet for supplying steam, 1 min;		N/A
	- for espresso coffee makers having an outlet for supplying water, the time necessary to produce 100 ml of water		N/A
	- for espresso coffee-makers having an outlet for supplying steam and an outlet for supplying hot water, 1 min period supplying steam is followed by time necessary to produce 100 ml of water (IEC 60335-2-15, AMD1)		N/A
	Espresso coffee-makers operated until steady conditions are established		N/A
	Other coffee-makers operated for the time necessary to make the maximum quantity of coffee stated in the instructions		N/A
	The container refilled as quickly as possible and the coffee-maker operated again until steady conditions are established		N/A

<b>IEC 60335-2-15</b>			
Clause	Requirement + Test	Result - Remark	Verdict
11.7.105	Pressure cookers operated 15 min after attaining the maximum cooking pressure (IEC 60335-2-15)		N/A
11.7.106	Soy milk makers operated for a complete operating cycle (IEC 60335-2-15)		N/A
11.8	Temperature rises monitored continuously and not exceeding the values in Table 3 .....	(see appended table)	P
	If the temperature rise of a motor winding exceeds the value of Table 3, or		N/A
	if there is doubt with regard to classification of insulation,		N/A
	tests of Annex C are carried out		N/A
	Sealing compound does not flow out		P
	Protective devices do not operate, except		P
	components in protective electronic circuits tested for the number of cycles specified in 24.1.4		P
	When an appliance connector incorporates a thermostat, the temperature rise limit for the pins of the inlet does not apply (IEC 60335-2-15)		P
	The temperature rise limits of motors, transformers, components of electronic circuit and parts directly influenced by them may be exceeded when the appliance is operated at 1,15 times rated power input (IEC 60335-2-15)		P
<b>13</b>	<b>LEAKAGE CURRENT AND ELECTRIC STRENGTH AT OPERATING TEMPERATURE</b>		P
13.1	Leakage current not excessive and electric strength adequate		P
	Heating appliances operated at 1,15 times the rated power input (W) .....		N/A
	Motor-operated appliances and combined appliances supplied at 1,06 times the rated voltage (V) .....		P
	Protective impedance and radio interference filters disconnected before carrying out the tests		P
13.2	The leakage current is measured by means of the circuit described in Figure 4 of IEC 60990:1999		P
	For class 0I appliances and class I appliances, except parts of class II construction, C may be replaced by a low impedance ammeter		P
	Leakage current measurements .....	(see appended table)	P
13.3	The appliance is disconnected from the supply		P

<b>IEC 60335-2-15</b>			
Clause	Requirement + Test	Result - Remark	Verdict
	Electric strength tests according to Table 4 ..... :	(see appended table)	P
	No breakdown during the tests		P
<b>24</b>	<b>COMPONENTS</b>		P
24.1	Components comply with safety requirements in relevant IEC standards		P
	List of components ..... :	(see appended table)	P
	Motors not required to comply with IEC 60034-1, they are tested as part of the appliance		N/A
	Relays tested as part of the appliance, or		N/A
	alternatively according to IEC 60730-1, and meeting the additional requirements in IEC 60335-1		N/A
	The requirements of Clause 29 apply between live parts of components and accessible parts of the appliance		P
	Components can comply with the requirements for clearances and creepage distances for functional insulation in the relevant component standard		P
	30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections		P
	Components that have not been previously tested to comply with the IEC standard for the relevant component are tested according to the requirements of 30.2		P
	Components that have been previously tested to comply with the resistance to fire requirements in the IEC standard for the relevant component need not be retested provided the specified conditions are met		P
	If these conditions are not satisfied, the component is tested as part of the appliance		P
	Power electronic converter circuits not required to comply with IEC 62477-1, they are tested as part of the appliance		N/A
	If components have not been tested and found to comply with relevant IEC standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9		P
	For components mentioned in 24.1.1 to 24.1.9 no additional tests specified in the relevant component standard are necessary other than those specified in 24.1.1 to 24.1.9		P

<b>IEC 60335-2-15</b>			
Clause	Requirement + Test	Result - Remark	Verdict
	Components not tested and found to comply with relevant IEC standard and components not marked or not used in accordance with its marking, tested under the conditions occurring in the appliance		P
	Lampholders and starterholders that have not being tested and found to comply with the relevant IEC standard, tested as a part of the appliance and additionally according to the gauging and interchangeability requirements of the relevant IEC standard		N/A
	No additional tests specified for nationally standardized plugs such as those detailed in IEC/TR 60083 or connectors complying with the standard sheets of IEC 60320-1 and IEC 60309		P



IEC 60335-2-15					
Clause	Requirement + Test	Result - Remark			Verdict
<b>10.1</b>	<b>TABLE: Power input deviation</b>				<b>P</b>
Input deviation of/at:	P rated (W)	P measured (W)	$\Delta P$ (W, %)	Required $\Delta P$ (W, %)	Remark
220 V 50 Hz	-	430.1	-	Ref.	-
220 V 60 Hz	-	432.7	-	Ref.	-
230 V 50 Hz	470	472.8	+ 0.59 %	+5 % or 20 W - 10 %	-
230 V 60 Hz	470	473.2	- 0.68 %	+5 % or 20 W - 10 %	-
240 V 50 Hz	-	515.1	-	Ref.	-
240 V 60 Hz	-	515.1	-	Ref.	-
<b>Supplementary information:</b>					
<b>- Hot mode</b>					

<b>10.2</b>	<b>TABLE: Current deviation</b>				<b>P</b>
Current deviation of/at:	I rated (A)	I measured (A)	$\Delta I$ (A, %)	Required $\Delta I$ (A, %)	Remark
220 V 50 Hz	0.8	0.640	- 20.0 %	+ 20 %	-
220 V 60 Hz	0.8	0.597	- 25.3 %	+ 20 %	-
230 V 50 Hz	-	0.706	-	Ref.	-
230 V 60 Hz	-	0.606	-	Ref.	-
240 V 50 Hz	0.9	0.696	- 22.6 %	+ 20 %	-
240 V 60 Hz	0.9	0.610	- 32.2 %	+ 20 %	-
<b>Supplementary information:</b>					
<b>- Cold Mode</b>					

<b>11.8</b>	<b>TABLE: Heating test</b>			<b>P</b>
	Test voltage (V).....:	206.8 V / 254.4		—
	Ambient (°C).....:	42.9 °C / 43.4 °C		—
Thermocouple locations			Max. temperature rise measured, $\Delta T$ (K)	Max. temperature rise limit, $\Delta T$ (K)
Power cord			9.4 / 13.8	50-15
Power input connector			9.5 / 13.4	Cl.30.1
Switch(heater on/off)			8.6 / 11.1	80(105-25)-15
Thermostat (for comp)			12.0 / 16.6	45(70-25)-15

IEC 60335-2-15			
Clause	Requirement + Test	Result - Remark	Verdict
	Fuse holder	10.6 / 14.3	Cl.30.1
	Connector (CN1)	7.2 / 11.6	Cl.30.1
	PCB surface	15.1 / 21.6	120-15
	OLP cover	16.3 / 35.4	Cl.30.1
	Compressor body	51.4 / 52.1	108(140-25-7)
	Internal wire for compressor	21.5 / 24.4	175(200-25)-15
	Bimetal_self resetting (for hot water tank)	36.8 / 38.8	175(200-25)-15
	Bimetal_non-self resetting (for hot water tank)	34.2 / 34.7	175(200-25)-15
	Front enclosure	1.1 / 0.6	Cl.30.1
	Top enclosure	1.4 / 1.3	Cl.30.1
	Test corner	5.5 / 8.0	65-15
	Ambient	42.7 °C / 43.6 °C	-
<b>Supplementary information:</b>			
The values of Table 3 are reduced by 15 K due to climatic class (T).			

11.8	TABLE: Heating test, resistance method					P
	Test voltage (V).....:	1) 206.8 V, 2) 254.4 V				—
	Ambient, t <sub>1</sub> (°C).....:	42.9 °C / 42.7 °C				—
	Ambient, t <sub>2</sub> (°C).....:	43.4 °C / 43.6 °C				—
Temperature rise of winding	R1 (Ω)	R2 (Ω)	ΔT (K)	Max. ΔT (K)	Insulation class	
206.8 V						
Main winding	23.56	31.45	91.9	108	synthetic	
Auxiliary winding	45.02	60.40	93.8	108	synthetic	
254.4 V						
Main winding	23.56	31.50	93.9	108	synthetic	
Auxiliary winding	45.02	60.50	95.8	108	synthetic	
<b>Supplementary information:</b>						

13.2	TABLE: Leakage current		P
	Heating appliances: 1,15 x rated input (W).....:		—
	Motor-operated and combined appliances: 1,06 x rated voltage (V).....:	254.4 V	—

IEC 60335-2-15			
Clause	Requirement + Test	Result - Remark	Verdict
<b>Leakage current between:</b>		<b>I (mA)</b>	<b>Max. allowed I (mA)</b>
Supply conductor and metallic enclosure		0.156	0.75
Supply conductor and non-metallic enclosure with foil		0.006	0.35 (peak)
<b>Supplementary information:</b>			

13.3	TABLE: Electric strength			P
Test voltage applied between:		Voltage (V)	Breakdown (Yes/No)	
Supply conductors and metallic enclosure		1000	No	
Supply conductors and non-metallic enclosure with foil		3000	No	
<b>Supplementary information:</b>				

24.1	TABLE: Components information					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>	
Power cord	Shangyu Jintao Electron Co., Ltd.	H05VV-F	250 V, 16 A	EN 50525-2-11	VDE (40013419)	
Plug		JT003		VDE 0620-2-1	(40021286)	
Enclosure	KUMHO PETROCHEMIC AL Co., Ltd	ABS-780	HB	IEC 60335-1 IEC 60335-15 IEC 60335-2-24	Tested in appliance UL (E65424)	
Motor- compressor	DEAWOO Compressor Co., Ltd.	DM24LHS8	220-240 V, 50/60 Hz, R134a	IEC 60335-1 IEC 60335-2-34	CQC (CN37290-M2)	
Thermostat for compressor	Pacific Controls Co., Ltd.	PFN-135M- 04WA	250 V, 6 A	EN 60730-1 EN 60730-2-9	Intertek (1021371)	
PCB	SEO KANG TECH CO., LTD.	SK	V-0	IEC 60335-1 IEC 60335-15 IEC 60335-2-24	Tested in appliance	

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
<b>Noise Filter (For model INFINITE-L, INFINITE-M, INFINITE-S, INFINITE-20 only)</b>	WOONYOUNG CO., LTD.	WYF-S15T1B	250 V a.c. 50/60 Hz 15 A	EN 60939-1 EN 60939-2	TUV SUD (N8 08 07 64308 007)
<b>Boost Pump (For model INFINITE-L, INFINITE-M, INFINITE-S, INFINITE-20 only)</b>	NINGBO PUZE ELECTROMECH ANICAL CO., LTD.	PZ50T	DC 24 V, 0.7 A	IEC 60335-1 IEC 60335-15 IEC 60335-2-24	Tested in appliance
Band Heater	HYUNDAI PRECISION	HDH-01-05-06	AC 220 V, 430 W	IEC 60335-1 IEC 60335-15 IEC 60335-2-24	Tested in appliance
<b>Solenoid valve (For model INFINITE-L, INFINITE-M, INFINITE-S, INFINITE-20 only)</b>	STORMTEC	HSV-FF-24V	DC 24 V, Class E	IEC 60335-1 IEC 60335-15 IEC 60335-2-24	Tested in appliance
Non-self resetting thermal cut-out	Pacific Controls Co., Ltd.	PTS-13H	AC 250 V, 10 A	EN 60730-1 EN 60730-2-9	TUV SUD (B 18 01 49028 054)
Switch	NINGBO YINXIAN LIHE	RL3T125/55	AC 250 V, 10 A	EN 61058-1	ENEC (SE/09127-14)
<b>Micro Switch (For model INFINITE-L, INFINITE-M, INFINITE-S, INFINITE-20 only)</b>	WONWOO PRECISION CO., LTD	SZM-V16-FA-62 S	AC 250, 16 A	IEC 61058-1	VDE (135496)
Thermostat	Pacific Controls Co., Ltd.	PW-3HN	AC 250 V, 10 A	EN 60730-1 EN 60730-2-9	TUV SUD (B 18 01 49028 051)
Fuse	ORISEL CO LTD	N61	250V 7A	IEC 60335-1 IEC 60335-15 IEC 60335-2-24	Tested in appliance UL (E126056)
<b>Power supply (For model INFINITE-L, INFINITE-M, INFINITE-S, INFINITE-20 only)</b>					

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
Enclosure	ZIBO TUNGKOU CHEMICAL CO LTD	VH-0816T	94 V-0	IEC 60335-1 IEC 60335-15 IEC 60335-2-24	Tested in appliance
Appliance Inlet	UNIONS Electronics Co., Ltd.	SO-222	AC 250 V, 2.5 A	VDE 0625	VDE (40002933)
X2 capacitor	Shenzhen shengxin Capacitor co., Ltd.	MEX-X2	AC 280 V, 0.047 uF	IEC 60384-14	VDE (123934)
Fuse	Shenzhen lanson electronic Co., Ltd.	3K T3.15A250V	AC 250 V, 3.15 A	IEC 60127-1 IEC 60127-3	VDE (40010682)
PCB	KINGBOARD LAMINATES LTD	---	94 V-0, 105°C	IEC 60335-1 IEC 60335-15 IEC 60335-2-24	Tested in appliance
Optocoupler	Bright led Electronics corp	BPC-817B	Viso : 5000Vrms	IEC 60747-5-5	VDE (40007240)
Y1 capacitor	Ease electronics co., Ltd.	SY	AC 400 V, 1000pF	IEC 60384-14	VDE (104855)
Transformer	GEZHENG	ACT	Class B	IEC 60335-1 IEC 60335-15 IEC 60335-2-24	Tested in appliance
<b>Supplementary information:</b>					
1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.					
2) License available upon request.					

<b>IEC 60335-2-15</b>			
Clause	Requirement + Test	Result - Remark	Verdict
<b>ATTACHMENT TO TEST REPORT IEC 60335-2-15</b> <b>EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES</b> Household and similar electrical appliances – Safety – Part 2: Particular requirements for appliances for heating liquids			
<b>Differences according to.....:</b>	EN 60335-2-15:2016 + A11:2018 + A1:2021 + A2:2021 + A12:2021 used in conjunction with EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021 EN 62233:2008 + AC:2008		
<b>TRF template used.....:</b>	IECEE OD-2020-F2:2020, ED. 1.1		
<b>Attachment Form No.....:</b>	EU_GD_IEC60335_2_15P		
<b>Attachment Originator.....:</b>	IMQ S.p.A.		
<b>Master Attachment.....:</b>	2022-05-10		
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<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
	<b>CENELEC COMMON MODIFICATIONS</b>		P
6.1	Delete "class 0" and "class 0I"	Class I	N/A
7.1	Single-phase appliances to be connected to the supply mains: 230 V covered	220-240 V	P
	Multi-phase appliances to be connected to the supply mains: 400 V covered	Not multi-phase appliances	N/A
	When the provisions of footnote <sup>b</sup> to Table Z101 apply, the appliance shall be marked with: (EN 60335-2-15)		N/A
	– the substance of "CAUTION: Hot surface", or		N/A
	– symbol IEC 60417-5041		N/A
	The warning shall be put on the surface of the appliance having the highest temperature, (EN 60335-2-15)		N/A
	and shall be visible during normal use (EN 60335-2-15)		N/A
	Pot coffee-makers shall have a level mark to indicate when they are filled to rated capacity. This indication shall be visible when the pot coffee-maker is in the filling position (EN 60335-2-15/A11)		N/A
7.6	[symbol IEC 60417-5041] Caution, hot surface (EN 60335-2-15)		N/A
7.12	The instructions for pressure cookers, glue pots with a water jacket, livestock feed boilers, sterilizers, pot coffee-makers shall include the substance of the following: (EN 60335-2-15/A11)		N/A
	- This appliance shall not be used by children. Keep the appliance and its cord out of reach of children		N/A
	The instructions for cooking pans, slow cookers, steam cookers, rice cookers, coffee-makers, kettles, egg boilers, milk heaters, tea makers shall include the substance of the following: (EN 60335-2-15)		N/A
	- This appliance can be used by children aged from 8 years and above if they have been given supervision or instruction concerning use of the appliance in a safe way and if they understand the hazards involved. Cleaning and user maintenance shall not be made by children unless they are older than 8 and supervised. Keep the appliance and its cord out of reach of children aged less than 8 years		N/A
	The instructions for feeding-bottle heaters, yoghurt makers shall include the substance of the following: (EN 60335-2-15)		N/A

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
	- This appliance can be used by children aged from 3 years and above if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Cleaning and user maintenance shall not be made by children unless they are aged from 8 years and above and supervised. Keep the appliance and its cord out of reach of children aged less than 3 years		N/A
	The instructions shall also include the substance of the following: (EN 60335-2-15)		P
	- Appliances can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved		P
	- Children shall not play with the appliance		P
	If symbol IEC 60417-5041 is marked on the appliance, the instructions shall state that surfaces are liable to get hot during use (EN 60335-2-15)		N/A
	Instructions for pot coffee-makers shall contain the substance of the following: (EN 60335-2-15/A11)		N/A
	CAUTION: Never fill the pot coffee-maker above the maximum level since hot foaming coffee or other liquids (e.g. milk) might overflow during heating		N/A
7.14	The height of symbol IEC 60417-5041 shall be at least 8 mm (EN 60335-2-15)		N/A
	The height of the warning "CAUTION. Hot surface" shall be at least 4 mm (measured on the capital letters) (EN 60335-2-15)		N/A
8.1.1	Also test probe 18 of EN 61032 is applied		P
	The appliance being in every possible position during the test, except that		P
	appliances normally used on the floor and having a mass exceeding 40 kg are not tilted		N/A
	The force on the probe in the straight position is increased to 10 N when probe 18 is used		P
	When using test probe 18 the appliance is fully assembled as in normal use without any parts removed, and		P
	parts intended to be removed for user maintenance are also not removed		P



<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
8.1.3	Instead of test probe B, test probe 18 and test probe 13, for appliances other than those of class II, test probe 41 of IEC 61032 is applied with a force not exceeding 1 N to live parts of visibly glowing heating elements, all poles of which can be disconnected by a single switching action		P
8.2	Compliance is checked by applying the test probes of EN 61032		P
	For built-in appliances and fixed appliances, the test probe B and probe 18 of EN 61032 are applied only after installation		N/A
11.Z101	For coffee-makers, milk heaters, egg boilers, cooking pans, slow cookers, steam cookers, pressure cookers, wash boilers, rice cookers, glue pots with a water jacket, livestock feed boilers, sterilizers, soy milk makers, tea makers, kettles, pot coffee-makers and other appliances for boiling water having a rated capacity not exceeding 10 l, the temperature rise limits in Table Z101 apply.....: (EN 60335-2-15/A11)		N/A
	The appliance is supplied at rated voltage and operated under normal operation (EN 60335-2-15)		N/A
	Temperature rises are not measured on: (EN 60335-2-15)		N/A
	– the lids,		N/A
	– surfaces within 25 mm from <ul style="list-style-type: none"> <li>• the edge of the lid,</li> <li>• the ventilation openings,</li> <li>• the edge of the hot functional surface</li> </ul>		N/A
	– enclosure at a distance within 25 mm from the heating element		N/A
	– underside surfaces that are not accessible with probe 41 of EN 61032. The probe is applied without appreciable force		N/A
11.Z102	For feeding-bottle heaters and yoghurt makers the temperature rise limits in Table Z101 apply.....: (EN 60335-2-15)		N/A
	The appliance is supplied at rated voltage and operated under normal operation (EN 60335-2-15)		N/A
15.1.2	Appliances with an automatic cord reel tested with the cord in the most unfavourable position so that the reeling of the wet cord may affect electrical insulation during operation, the cord not being dried before reeling	No automatic cord reel	N/A

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
20.2	For appliances having hazardous moving parts, due to their working function, e.g. the needle of a sewing machine, tools of kitchen machines or the blade of an electrical knife, full protection is not possible for performing their intended use		N/A
	When using the test probe similar to test probe B with a circular stop face, the accessories and detachable covers are removed		P
	Test probe 18 applied with a force of 2,5 N on the appliance fully assembled		P
22.12	Other parts intended to be detached during use, maintenance or cleaning (examples are batteries, battery covers, lids, attachments, steam nozzles) are not considered as parts providing a similar function as handles, knobs, grips, levers		N/A
22.17	The requirement is not applicable to built-in appliances	No spacers	N/A
22.40	Appliances except eggs boilers, feeding-bottle heaters, yogurt makers and slow cookers shall be fitted with an accessible switch or other means to stop operational functions of the appliance (EN 60335-2-15)		P
22.44	Replace the text by the following:		N/A
	An appliance is child-appealing if one of the following criteria is present:		N/A
	— appliance decorated using faces, cartoon like characters, or similar images;		N/A
	— appliance using shapes representing animals, characters, persons or scale models		N/A
	An appliance is child-appealing if more than one of the following criteria are present:		N/A
	— using non-functional light (functional light is e.g. illumination of an object or area, signal indicating status of an appliance);		N/A
	— using non-functional sound (e.g. music);		N/A
	— using non-functional movement		N/A
	If the appliance is child-appealing, has a mass less than 4 kg or is mounted or normally intended for use at a height less than 850 mm, the following conditions shall be met:		N/A
	— No surface (both functional surfaces and non-functional) that are accessible by means of test probe 19 of IEC 61032 located at a height less than 850 mm shall exceed the temperature rises stated below:		N/A
	Temperature rise – of bare metal: 38 K – of coated metal: 42 K – of glass and ceramic: 51 K – of plastic having a thickness exceeding 0,4 mm: 58 K		N/A

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
	— Hazardous moving parts shall not be accessible by means of test probe 19 of IEC 61032 under the conditions specified for test probe 18 in Clause 20.2		N/A
	— Live parts shall not be accessible by means of test probe 19 of IEC 61032 under the conditions specified for test probe 18 in Clause 8.1.1		N/A
	— Liquid in the appliance shall not exceed 38 °C in normal use when it is accessible by means of test probe 19 under the conditions specified for test probe 18 in Clause 20.2 or can get out of the appliance when positioned in different positions. Vessels in which two independent and sequential actions are needed to access the liquid are considered to meet the requirement		N/A
	— The requirement of 22.12 is applicable for all accessible parts of the appliance		N/A
	The requirement is not applicable to appliances where there is a toy shaped like the appliance		N/A
	NOTE Z1 An example of a toy shaped like an appliance is a toy refrigerator		N/A
	Compliance is checked by inspection and appropriate tests		N/A
22.Z101	For pot coffee-maker the operation shall not give a spillage of foaming coffee in normal use (EN 60335-2-15/A11)		N/A
	Compliance is checked by the following test. The pot coffee-maker is filled with water up to the maximum level set by the manufacturer or up to 40 % of its total capacity whichever is greater. 8 g of ground coffee with no particles larger than 89 µm should be added per 100 ml of water. The appliance is switched on, the content of the pot shall be stirred continuously so that all coffee gets wet and mixes with water until it attains a temperature of 75 °C. The operation is continued without stirring until the mixture attains a temperature of 90 °C. Then the operation is continued without stirring for 3 minutes. During the test no overflow shall be observed (EN 60335-2-15/A11)		N/A
24.1	The requirements of Clause 29 of this standard apply between live parts of components and accessible parts of the appliance		P
	Components may comply with the requirements for clearances and creepage distances for functional insulation as specified in the relevant component standard		P

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
	The requirements of 30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections inside components		P
	Components that have not been tested and shown to comply with the EN standard for the relevant component are tested according to the requirements of 30.2 of this standard		P
	Components that have been previously tested and shown to comply with the resistance to fire requirements in the standard for the relevant component need not be retested provided that:		P
	- the severity specified in the component standard is not less than the severity specified in 30.2, and		P
	- unless the pre-selection alternatives in 30.2 are used, the test report for the component states the values of $t_e$ and $t_i$ according to EN 60695-2-11		P
	If the above two conditions are not satisfied, the component is tested as part of the appliance		P
	Power electronic converter circuits are not required to comply with EN 62477-1, but tested as part of the appliance according to this standard		N/A
	Unless components have been tested and found to comply with the relevant EN standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9		P
	For components mentioned in 24.1.1 to 24.1.9, no additional tests specified in the relevant EN standard for the component are necessary other than those specified in 24.1.1 to 24.1.9		P
	Components that have not been separately tested and found to comply with the relevant EN standard, and		P
	components that are not marked or not used in accordance with their marking,		P
	are tested in accordance with the conditions occurring in the appliance, the number of samples being that required by the relevant standard		P
	Lamp-holders and starter-holders that have not been previously tested and found to comply with the relevant standard are tested as a part of the appliance and additionally comply with the gauging and interchangeability requirements of the relevant EN standard under the conditions occurring in the appliance	No lamp-holders	N/A

<b>IEC60335_2_150 - ATTACHMENT</b>			
<b>Clause</b>	<b>Requirement - Test</b>	<b>Result - Remark</b>	<b>Verdict</b>
	Where the relevant EN standard specifies these gauging and interchangeability requirements at elevated temperatures, the temperatures measured during the tests of Clause 11 are used		N/A
	There are no additional tests specified for nationally standardized plugs such as those detailed in IEC/TR 60083 or connectors complying with the standard sheets of EN 60320-1 and EN 60309, unless they are specifically mentioned in the text of this standard		N/A
	Plugs and socket-outlets and other connecting devices of interconnection cords are not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1, or		N/A
	with connectors and appliance inlets complying with the standard sheets of EN 60320-1,		N/A
	if direct supply to these parts from the supply mains gives rise to a hazard		N/A
	For plugs used in CENELEC countries Annex ZH applies		N/A
24.1.7	If the remote operation of the appliance is via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is IEC 62151	Not remote operated appliance	N/A
	Compliance with Clause 8 of this standard is not impaired by connecting the appliance to a device covered by EN 41003		N/A
24.Z1	For motor running capacitors (IEC 60252-1 type S2 or S3) with a metallic enclosure having an overpressure fuse the flame testing of internal plastic parts supporting current carrying connections as required in 30.2.2 and 30.2.3.1 is not necessary	No motor capacitors	N/A
25.1	Plugs and pins for insertion into socket-outlets follow the relevant standards sheets in Annex ZH		P
25.7	Rubber sheathed cords (60245 IEC 53) are not suitable for appliances intended to be used outdoors or when they are liable to be exposed to significant amount of ultraviolet radiation		N/A
	Halogen-free thermoplastic compound sheathed supply cords have properties at least those of:		N/A
	<ul style="list-style-type: none"> <li>halogen-free thermoplastic compound sheathed cords (H03Z1Z1H2-F or H03Z1Z1-F), for appliances having a mass not exceeding 3 kg</li> </ul>		N/A
	<ul style="list-style-type: none"> <li>halogen-free thermoplastic compound sheathed cords (H05Z1Z1H2-F or H05Z1Z1-F), for other appliances</li> </ul>		N/A

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
	Cross-linked halogen-free compound sheathed supply cords have properties at least those of cross-linked halogen-free compound sheathed cords (H07ZZ-F)		N/A
25.25	Dimensions of the pins and engagement face of plugs of appliances that are inserted into socket-outlets are to be in accordance with the dimensions of the relevant plug standard		N/A
	Common plugs and socket-outlets types in CENELEC countries as shown in Annex ZH		N/A
26.11	Conductors connected by soldering are not considered to be positioned or fixed so that reliance is not placed upon the soldering alone to maintain them in position unless they are held in place near the terminals independently of the solder		P
29.3.Z1	Appliance constructed so that if there is a possibility of damaging the insulation during installation, the insulation withstands the scratch and penetration test of 21.2	No possibility of damaging the insulation during installation	N/A
32	Compliance regarding electromagnetic fields is checked according to EN 62233		P
Annex I, 19.I.101	The appliance is supplied at rated voltage and operated under normal operation with each of the fault conditions specified		N/A
	The duration of the test is as specified in 19.7		N/A

<b>ZA</b>	<b>ANNEX ZA (NORMATIVE) SPECIAL NATIONAL CONDITIONS</b>		N/A
	<b>Denmark, Sweden, Norway and Finland</b>		N/A
7.12.8	The maximum inlet water pressure is at least 1,0 MPa..... :		N/A
	<b>Norway</b>		N/A
19.5	The test is also applicable to appliances intended to be permanently connected to fixed wiring		N/A
	<b>Norway</b>		N/A
22.2	The second paragraph of this subclause, dealing with single-phase, permanently connected class I appliances having heating elements, is not applicable due to the supply system		N/A

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
	<b>Denmark</b>		N/A
22.47	The maximum inlet water pressure is at least 1,0 MPa..... :		N/A
	<b>Cyprus, Ireland and United Kingdom</b>		N/A
25.8	In the table, the line "> 10 A and ≤ 16 A" is replaced by:		N/A
	> 10 and ≤ 13 1,25 (1,0) <sup>b</sup>		N/A
	> 13 and ≤ 16 1,5 (1,0) <sup>b</sup>		N/A
<b>ZB</b>	<b>ANNEX ZB (INFORMATIVE) A-DEVIATIONS</b>		N/A
	<b>Ireland</b>		
25.1 and 25.5	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs complying with I.S. 401:1997, or equivalent, to be fitted to domestic appliances		N/A
	<b>United Kingdom</b>		N/A
25.1 and 25.5	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs to BS 1363 to be fitted to domestic appliances		N/A
	It also allows plugs to BS 4573 and EN 50075 to be fitted to shavers and toothbrushes		N/A
<b>ZC</b>	<b>ANNEX ZC (NORMATIVE) NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS</b>		P
	A list of referenced documents to in the text of this standard in such a way that some or all of their content constitutes requirements of this document		P
<b>ZD</b>	<b>ANNEX ZD (INFORMATIVE) IEC and CENELEC CODE DESIGNATIONS FOR FLEXIBLE CORDS</b>		P
	A table with IEC and CENELEC code designations for flexible cords		P

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
<b>ZE</b>	<b>ANNEX ZE (INFORMATIVE) SPECIFIC ADDITIONAL REQUIREMENTS FOR APPLIANCES AND MACHINES INTENDED FOR COMMERCIAL USE</b>		N/A
7.1	Business name and full address of the manufacturer and, where applicable, his authorized representative .....	No commercial use	N/A
	Model or type reference .....		N/A
	Serial number, if any .....		N/A
	Production year .....		N/A
	Designation of the appliance .....		N/A
7.12	Instructions provided with the appliance so that the appliance can be used safely		N/A
	The instructions contain at least the following information:		N/A
	- the business name and full address of the manufacturer and, where applicable, his authorized representative		N/A
	- model or type reference of the appliance as marked on the appliance itself, except for the serial number		N/A
	- the designation of the appliance together with its explanation in case it is given by a combination of letters and/or numbers		N/A
	- the general description of the appliance, when needed due to the complexity of the appliance		N/A
	- specific precautions if required during installation, operation, adjusting, user maintenance, cleaning, repairing or moving		N/A
	- when needed drawings, diagrams, descriptions and explanations necessary for the safe use and user maintenance of the appliance		N/A
	- the possible reasonably foreseeable misuse and, whenever relevant, a warning against the effects it may have on the safe use of the appliance		N/A
	The words "Original instructions" appear on the language version(s) verified by the manufacturer or by the authorized representative		N/A
	When a translation of the original instructions has been provided by a person introducing the appliance on the market; the meaning of the sentence "Translation of the original instructions" appear in the relevant instructions delivered with the appliance		N/A



<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
	The instructions for maintenance/service to be done by specialized personnel, mandated by the manufacturer or the authorized representative may be supplied in only one Community language which the specialized personnel understand		N/A
	The instructions indicate the type and frequency of inspections and maintenance required for safe operation including the preventive maintenance measures		N/A
7.12.ZE1	If needed for specific appliances, the following information to be given:		N/A
	<ul style="list-style-type: none"> <li>• on use, transportation, assembly, dismantling when out of service, testing or foreseeable breakdowns, if these operations have consequences on stability of the appliance in order to avoid overturning, falling or uncontrolled movements of the appliance or of its component parts</li> </ul>		N/A
	<ul style="list-style-type: none"> <li>• on how to maintain adequate mechanical stability when in use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance</li> </ul>		N/A
	<ul style="list-style-type: none"> <li>• on the protective measures to be taken by the user, including, where appropriate, the personal protective equipment to be provided</li> </ul>		N/A
	<ul style="list-style-type: none"> <li>• on the operating method to be followed in the event of accident or breakdown; if a blockage is likely to occur the operating method to safely unblock the appliance</li> </ul>		N/A
	<ul style="list-style-type: none"> <li>• on the specifications on the spare parts to be used, when these affect the health and safety of the operator</li> </ul>		N/A
	<ul style="list-style-type: none"> <li>• on airborne noise emissions, determined and declared in accordance with the relevant part 2, which includes:</li> </ul>		N/A
	- the A-weighted emission sound pressure level at workstations, where this exceeds 70 dB(A) .....		N/A
	- where this level does not exceed 70 dB(A), this fact is indicated		N/A
	- the peak C-weighted instantaneous sound pressure value at workstations, where this exceeds 63 Pa (130 dB in relation to 20 µPa) .....		N/A
	- the A-weighted sound power level emitted by the machinery, where the A-weighted emission sound pressure level at workstations exceeds 80 dB(A) .....		N/A

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
7.12.ZE2	The instructions include a warning to disconnect the appliance from its power source during service and when replacing parts		N/A
	If the removal of the plug is foreseen, it is clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed		N/A
	If this is not possible, due to the construction of the appliance or its installation, a disconnection with a locking system in the isolated position is provided		N/A
19.11.4.8	The appliance continues to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage fluctuation occurred, or		N/A
	a manual operation is required to restart it		N/A
20.1	Appliances and their components and fittings have adequate mechanical stability during transportation, assembly, dismantling and any other action involving the appliance		N/A
20.2	Dangerous moving transmission parts safeguarded either by design or guards		N/A
	When guards are used, they are fixed guards, interlocking movable guards or protective devices		N/A
	Moving parts directly involved in the function of the appliance which cannot be made completely inaccessible fitted with:		N/A
	- fixed guards or interlocking movable guards preventing access to those sections of the parts that are not used in the work, and		N/A
	- adjustable guards restricting access to those sections of the moving parts where access is necessary		N/A
	Interlocking movable guards used where frequent access is required		N/A
21.1	Appliances and their components and fittings have adequate mechanical strength and is constructed to withstand such rough handling that may be expected in normal use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance		N/A
22.ZE.1	For appliances provided with a seat, the seat gives adequate stability		N/A
	The distance between the seat and the control devices capable of being adapted to the operator		N/A

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
22.ZE.2	For appliances provided with separate devices for the start and the stop functions, the stop function is unambiguously identifiable and does always override the start function		N/A
	For appliances provided with one device performing the start and the stop function, the stop function is unambiguously identifiable and does always override the start function		N/A
22.ZE.3	Appliances designed in such a way that incorrect mounting is avoided, if this can lead to an unsafe situation		N/A
	If this is not possible, information on the correct mounting is given directly on the part and/or the enclosure		N/A
22.ZE.4	Where the weight, size or shape prevents appliances from being moved manually, they are fitted with attachments for lifting gear, or		N/A
	so designed that they can be fitted with such attachments, or		N/A
	be shaped in such a way that standard lifting gear can easily be used		N/A
	Appliances to be moved manually are constructed or equipped so that they can be moved easily and safely		N/A
22.ZE.5	The fixing systems of fixed guards which prevent access to dangerous moving transmission parts only removable with the use of tools		N/A
	If such guards have to be removed by the user for routine cleaning or maintenance their fixing systems remain attached to the fixed guards or to the machine after removal		N/A
	Where possible, guards are incapable of remaining in place without their fixings		N/A
	This does not apply if, after removal of the screws, or if the component is incorrectly repositioned, the appliance becomes inoperative		N/A
	Movable guards are interlocked		N/A
	The interlocking devices prevent the start of hazardous appliance functions until the guards are fixed in their position, and give a stop command whenever they are no longer closed		N/A
	Where it is possible for an operator to reach the danger zone before the risk due to hazardous appliance functions has ceased, movable guards associated with a guard locking device in addition to an interlocking device that:		N/A
	- prevents the start of hazardous appliance functions until the guard is closed and locked, and		N/A

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
	- keeps the guard closed and locked until the risk of injury from the hazardous appliance functions has ceased		N/A
	Interlocking movable guards remain attached to the appliance when open, and		N/A
	they are designed and constructed in such a way that they can be adjusted only by means of an intentional action		N/A
22.ZE.6	Interlocking movable guards designed in such a way that the absence or failure of one of their components prevents starting or stops the hazardous appliance functions		N/A
	The guard is opened to the extent needed to cause the interlocking to operate and is then closed, the number of operations being defined in the specific part 2.....:		N/A
	After this test any defect that may be expected in normal use is applied to the interlock system, including interruption of the supply, only one defect being simulated at a time		N/A
	After these tests the interlock system is fit for further use		N/A
22.ZE.7	Adjustable guards restricting access to areas of the moving parts strictly necessary for the work are:		N/A
	- adjustable manually or automatically, depending on the type of work involved, and		N/A
	- readily adjustable without the use of tools		N/A
22.ZE.8	In case of interruption, re-establishment after an interruption or fluctuation in whatever manner of the power supply, the appliance does not restart		N/A
	However, automatic restarting of the operation is allowed if the appliance may continue to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage interruption or fluctuation occurred		N/A
22.ZE.9	Appliances fitted with means to isolate them from all energy sources		N/A
	Such isolators are clearly identified, and		N/A
	they are capable of being locked if reconnection endanger persons		N/A
	After the energy source is disconnected, it is possible to dissipate any energy remaining or stored in the circuits of the appliance without risk to persons		N/A

<b>IEC60335_2_150 - ATTACHMENT</b>			
Clause	Requirement - Test	Result - Remark	Verdict
<b>ZF</b>	<b>ANNEX ZF (INFORMATIVE) CRITERIA APPLIED FOR THE ALLOCATION OF PRODUCTS COVERED BY STANDARDS IN THE EN 60335 SERIES UNDER LVD OR MD</b>		P
	List of standards under CENELEC/TC61 with the allocation under the LVD (Low Voltage Directive) or the MD (Machinery Directive) .....		P
<b>ZG</b>	<b>ANNEX ZG (NORMATIVE) UV APPLIANCES</b>		N/A
	The following modifications to this standard apply to appliances having UV emitters	Not UV appliances	N/A
	This annex is not applicable to appliances covered by the scopes of IEC 60335-2-27, IEC 60335-2-59 or IEC 60335-2-109		N/A
7.12.ZG	The instructions for appliances incorporating UVC emitters include the substance of the following: WARNING — This appliance contains a UV emitter. Do not stare at the light source		N/A
32	For appliances incorporating UV emitters the manufacturer delivers a declaration providing evidence that the plastic material exposed to the radiation is UV resistant		N/A
<b>ZH</b>	<b>ANNEX ZH (INFORMATIVE) COMMON PLUG AND SOCKET-OUTLET TYPES IN CENELEC COUNTRIES</b>		P
<b>ZH.1</b>	<b>General</b>		P
	After the first paragraph, add the following note: NOTE: The dimensions of the plugs are purely for information. The exact dimensions of the plugs can be found in the relevant national standards		P
<b>ZH.2</b>	<b>General national data</b>		N/A
	Plugs according to standard sheet EU2 are not allowed in Belgium, France and the United Kingdom	EU4	N/A
	Plugs according to standard sheet EU3 are not allowed in Austria, Finland, Germany, Iceland, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, Switzerland and the United Kingdom	EU4	N/A
<b>ZH.3</b>	<b>Specific country data</b>		P
<b>ZH.3.1</b>	<b>Belgium</b>		N/A
	Plugs according to standard sheet EU2 are not allowed in Belgium, France and the United Kingdom	EU4	N/A

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<b>Clause</b>	<b>Requirement - Test</b>	<b>Result - Remark</b>	<b>Verdict</b>
	Plugs according to standard sheet EU3 are not allowed in Austria, Finland, Germany, Iceland, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, Switzerland and the United Kingdom		N/A
<b>ZH.3.2</b>	<b>Cyprus</b>		N/A
	Replace the text as follows: Only plugs according to standard sheets GB1, GB6 and GB7 of IEC/TR 60083 are allowed. They correspond with plug designations: EU9, EU6 and EU10		N/A
<b>ZH.3.3</b>	<b>Denmark</b>		N/A
	Plugs and socket-outlets for household and similar purposes shall be in accordance with DS 60884-2-D1” Plugs and Socket-outlets for household and similar purposes - Requirements for Danish systems”		N/A
	For single-phased appliances with rated current above 13 A and supplied via a plug in accordance with DS 60884-2-D1 ” Plugs and socket-outlets for household and similar purposes - Requirements for Danish systems” the following warning shall be given in the installation instructions: — Inden apparatet tilsluttes skal det sikres at installationen er egnet til apparater med en mærkestrøm der overstiger 13 A. I tvivlstilfælde bør en autoriseret el-installatør kontaktes		N/A
<b>ZH.3.4</b>	<b>Finland</b>		P
	Replace the first paragraph as follows: Plugs according to Publications SFS 5610 and SFS-EN 50075 are allowed. Plugs according to Publications SFS 5215 and SFS-EN 60309 are allowed		P
<b>ZH.3.5</b>	<b>Germany</b>		P
	Plugs allowed in Germany are specified in DIN 49400. These plugs are shown in IEC/TR 60083 as DE1, DE2, DE3 and DE4. They correspond with plug designations: EU2, EU 4, EU5, EU6, EU7 and EU8		P
<b>ZH.3.6</b>	<b>Greece</b>		N/A
	Special national conditions based on regulations applicable to plugs: Government Gazette No 67/B/28-1-2000		N/A

IEC60335_2_150 - ATTACHMENT															
Clause	Requirement - Test	Result - Remark	Verdict												
	National Standards applicable to plugs: — ELOT EN 50075:1992 "Flat non-rewirable two-pole plugs, 2,5 A, 250 V, with cord, for the connection of class II equipment for household and similar purposes" (identical to EN 50075:1990) — ELOT 294:1997 (identical to CEE 7) — ELOT 1413-1:1999 "Plugs and socket-outlets for household and similar purposes (identical to IEC 60884-1:1994 +A1:1994+A2:1995) (tests are performed with the current edition of IEC 60884-1 and ELOT 1413-1)		N/A												
	Characteristics of the plugs: <table border="1" data-bbox="391 788 1002 981"> <thead> <tr> <th>N° of poles</th> <th>Rated current (A)</th> <th>Rated voltage (V)</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>2,5</td> <td>250</td> </tr> <tr> <td>2</td> <td>16</td> <td>250</td> </tr> <tr> <td>2+earth</td> <td>16</td> <td>250</td> </tr> </tbody> </table>	N° of poles	Rated current (A)	Rated voltage (V)	2	2,5	250	2	16	250	2+earth	16	250		N/A
N° of poles	Rated current (A)	Rated voltage (V)													
2	2,5	250													
2	16	250													
2+earth	16	250													
	Characteristics of the socket-outlets: <table border="1" data-bbox="391 1041 1002 1189"> <thead> <tr> <th>N° of poles</th> <th>Rated current (A)</th> <th>Rated voltage (V)</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>2,5</td> <td>250</td> </tr> <tr> <td>2+earth</td> <td>16</td> <td>250</td> </tr> </tbody> </table>	N° of poles	Rated current (A)	Rated voltage (V)	2	2,5	250	2+earth	16	250		N/A			
N° of poles	Rated current (A)	Rated voltage (V)													
2	2,5	250													
2+earth	16	250													
	In the Greek market mainly socket-outlets with side earth contacts EU2 can be found, but also socket-outlets with pin earth EU3 and Italian style socket-outlets can be found		N/A												
<b>ZH.3.7</b>	<b>Ireland</b>		N/A												
	Only plugs according to standard sheets EU9, EU6 and EU5 are allowed		N/A												
<b>ZH.3.8</b>	<b>Italy</b>		P												
	Only plugs according to the Standard CEI 23-50 and CEI EN 50075 are allowed. These plugs are shown in IEC/TR 60083 as IT1, IT2, IT3, IT4, IT5, IT6 and IT7. They correspond with plug designations: EU2, EU4, and EU7		P												
<b>ZH.3.9</b>	<b>Netherlands</b>		P												

<b>IEC60335_2_150 - ATTACHMENT</b>			
<b>Clause</b>	<b>Requirement - Test</b>	<b>Result - Remark</b>	<b>Verdict</b>
	<p>Only plugs according to NEN 1020:2019 are allowed, standard sheets:</p> <p>— IV or IVa 16 A 250 V class I plug (L+N+PE) with side earthing [ = TR IEC 60083 - NL 2 / EU2]</p> <p>— VII or VIIa 16 A 250 V class I plug (L+N+PE) with dual (side and pin) earthing [ = TR IEC 60083 - NL 2 / EU4]</p> <p>— XVI 2,5 A 250 V class II plug (L+N): [ = TR IEC 60083 - NL 3 / EU5]</p> <p>— XVII or XVIIa 16 A 250 V class II plug (L+N) [ = TR IEC 60083 - NL 4 / EU7]</p> <p>— IX (Perilex) 16 A 400/230 V class I plug (L1+L2+L3+N+PE) [ = EU8]</p>		N/A
	<p>Or plug according EN 50075 is allowed, standard sheet:</p> <p>— 1 2,5 A 250 V class II plug (L+N) [ = TR IEC 60083 - NL 5 / EU6]</p>		N/A
	These plugs are shown in IEC/TR 60083 as NL2, NL3, NL4, NL5 and DE4		N/A
	They correspond with plug designations: EU 2, EU4, EU5, EU6, EU7 and EU8		P
<b>ZH.3.10</b>	<b>Norway</b>		
	<p>Only plugs according to standard sheets NO 2, NO 4, NO 5 and NO 6 of IEC/TR 60083 are allowed.</p> <p>They correspond with plug designations: EU 2, EU4, EU5, EU6 and EU7</p>		P
<b>ZH.3.11</b>	<b>Slovenia</b>		N/A
	Only plugs and socket-outlets according to SIST 1050:2010 are allowed		N/A
<b>ZH.3.12</b>	<b>Spain</b>		P
	<p>For appliances for household use, only the following plugs are allowed:</p> <p>— according to UNE 20315: ESC 10b, ESB 25b, ESB 32b, EU2, EU4 or EU7;</p> <p>— according to UNE-EN 50075 [EU6].</p> <p>These plugs are shown in IEC/TR 60083 as ES1, ES2, ES3, ES4, ES5, ES6 and ES7.</p> <p>They correspond with plug designations: EU2, EU4, EU6 and EU7</p>		P
<b>ZH.3.13</b>	<b>Sweden</b>		P



<b>IEC60335_2_150 - ATTACHMENT</b>			
<b>Clause</b>	<b>Requirement - Test</b>	<b>Result - Remark</b>	<b>Verdict</b>
	<p>Only plugs according to standard sheets SE 2, SE 3, and SE 4 of IEC/TR 60083 are allowed.</p> <p>They correspond with plug designation EU 2, EU 4, EU5, EU6 and EU7.</p> <p>National implementation of a plug corresponding to EU 8 is also allowed</p>		P
<b>ZH.3.14</b>	<b>Switzerland</b>		N/A
	<p>Replace the clause by following:</p> <p>Supply cords of portable household and similar electrical appliances having a rated current not exceeding 16 A shall be provided with a plug complying with SN 441011-1:2019</p>		N/A
	<p>The Table A is applicable for Plug with IP20, and Table B is applicable for plug with IP55:</p> <p><b>Table A</b> <b>Table B</b></p>		N/A
<b>ZH.3.15</b>	<b>United Kingdom</b>		N/A
	<p>Only plugs according to standard sheets GB1, GB6 and GB7 of IEC/TR 60083 are allowed.</p> <p>They correspond with plug designations: EU9, EU6 and EU10</p>		N/A
<b>ZH.4</b>	<b>List of country codes</b>		P
	List of country codes		P
<b>ZI</b>	<b>ANNEX ZI (INFORMATIVE)</b> <b>INFORMATION ON THE APPLICATION OF A11:2014 TO EN 60335-1:2012 CENELEC CLC/TC 61(SEC)2096A</b>		P
	Clarification of the application of Parts 2 in conjunction with the 2002 or 2012 version of EN 60335-1		P
<b>ZZA</b>	<b>ANNEX ZZA (INFORMATIVE)</b> <b>REALATIONSHIP BETWEEN THIS EUROPEAN STANDARD AND THE SAFETY OBJECTIVES OF DIRECTIVE 2014/35/EU [2014 OJ L96] AIMED TO BE COVERED</b>		P
	<p>This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96]</p>		P

IEC60335_2_150 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations		P
	Compliance with this Part 2 when used together with the Part 1 provides one means of conformity with the safety objectives		P
	A table with correspondence between this European Standard and Annex I of Directive 2014/35/EU [2014 OJ L96]		P
	<b>WARNING 1</b> — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union		P
	<b>WARNING 2</b> — Other Union legislation may be applicable to the product(s) falling within the scope of this standard		P
<b>ZZB</b>	<b>ANNEX ZZB (INFORMATIVE) REALATIONSHIP BETWEEN THIS EUROPEAN STANDARD AND THE ESSENTIAL REQUIREMENTS OF DIRECTIVE 2006/42/EC AIMED TO BE COVERED</b>		N/A
	The ANNEX ZZB is not applicable (EN 60335-2-15/A12)		N/A
<b>EMF</b>	<b>ANNEX EN 62233 ELECTROMAGNETICS FIELDS</b>		P
	The tested product also complies with the requirements of EN 62233:2008		P
	Limit .....100 %	Measured max. : .....1.77%	P

<b>11.Z10X</b>	<b>TABLE Z101: Heating test, maximum temperature rises of external enclosures</b>		<b>N/A</b>
	Test voltage (V) .....		—
	Ambient (°C).....		—
<b>Surface<sup>d</sup></b>	<b>Max. temperature rise measured, <math>\Delta T</math> (K)</b>	<b>Max. temperature rise limit, <math>\Delta T^{a,b}</math> (K)</b>	
Bare metal		45	
Coated metal <sup>e</sup>		55	

IEC60335_2_150 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	Glass and ceramic		60
	Plastic and plastic coating > 0,3 mm <sup>c</sup>		65
<p><sup>a</sup> In addition to surfaces described under 11.Z101 the following surfaces or elements shall not be taken into consideration:</p> <ul style="list-style-type: none"> <li>• hot functional surface: surface which is intentionally heated by an internal heat source and which has to be hot to carry out the function for which the equipment is intended to be used;</li> <li>• vessels that contain hot liquids and that become hot through conduction by a heated part of the appliance (e.g. coffee pots in percolator type coffee-makers and kettles);</li> <li>• handles or control knobs including keypads, keyboards and the like;</li> <li>• surfaces of heated cavities or surfaces adjacent to the functional areas inside the compartment.</li> </ul> <p><sup>b</sup> When, due to the construction or dimensional limitations of the appliance, the required values cannot be met, the maximum temperature rise shall not be higher than twice the values indicated. In such cases, a warning shall be marked on the appliance.</p> <p><sup>c</sup> The temperature rise limit of plastic also applies for plastic material having a metal finish of thickness less than 0,1 mm.</p> <p><sup>d</sup> When the thickness of the plastic coating does not exceed 0,3 mm, the temperature rise limits of the coated metal or of glass and ceramic material apply.</p> <p><sup>e</sup> Metal is considered coated when a coating having a minimum thickness of 80 µm made by enamel or non substantially plastic coating is used.</p>			
<b>Supplementary information:</b>			