Test Report issued under the responsibility of:

TEST REPORT
IEC 60335-2-9
Safety of household and similar electrical appliances
Part 2: Particular requirements for grills, toasters and similar cooking appliances

Report Number. ..... :	**4789254015.1.1-20200108-CB**
Date of issue ..... :	**2020-01-08**
Total number of pages ..... :	**47**
Name of Testing Laboratory preparing the Report ..... :	UL International Limited
Applicant's name ..... :	SharkNinja Operating LLC
Address ..... :	89 A Street, Suite 100 Needham, MA 02494 USA
Test specification:	
Standard ..... :	IEC 60335-2-9:2008, COR1:2013, AMD1: 2012, AMD2:2016 in conjunction with IEC 60335-1:2010, COR1:2010, COR2:2010, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016
Test procedure ..... :	CB Scheme
Non-standard test method ..... :	N/A
Test Report Form No. ..... :	IEC60335_2_9Q
Test Report Form(s) Originator .... :	LCIE
Master TRF ..... :	Dated 2019-09-24

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.

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.

General disclaimer:

The test results presented in this report relate only to the object tested.
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Test item description.....:	Air Fryer and Pressure Cooker
Trade Mark(s) .....:	Ninja
Original Product/Equipment Manufacturer .....:	Euro-Pro Europe Limited 3150 Century Way, Thorpe Park, Leeds, LS15 8ZB, United Kingdom
Branding Manufacturer(s).....:	N/A
Model/Type reference.....:	OP5XX**** aaa (Where "X" and "*" can be any alpha-numeric character from A to Z or 0-9 "*" may be blank to denote different countries, colors, customers or customer code or configurations and package. Where "aaa" represent factory code (e.g. Ouning=LP3), the factory code is not part of the official model number.)
Ratings.....:	230V~; 50Hz; 1760W

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):

☒	**CB Testing Laboratory:**	UL International Limited	
Testing location/ address .....:		18th Floor, Delta House, 3 On Yiu Street, Shatin, N.T., Hong Kong	
Tested by (name, function, signature).....:		Michael Cheung Project Handler	
Approved by (name, function, signature) ..:		Keno Ip Reviewer	
☐	**Testing procedure: CTF Stage 1:**		
Testing location/ address .....:			
Tested by (name, function, signature).....:			
Approved by (name, function, signature) ..:			
☐	**Testing procedure: CTF Stage 2:**		
Testing location/ address .....:			
Tested by (name + signature).....:			
Witnessed by (name, function, signature) .:			
Approved by (name, function, signature) ..:			
☐	**Testing procedure: CTF Stage 3:**		
☐	**Testing procedure: CTF Stage 4:**		
Testing location/ address .....:			
Tested by (name, function, signature).....:			
Witnessed by (name, function, signature) .:			

Approved by (name, function, signature) .. :		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment):

Appendix 2: Photograph Attachment – 4 pages

Appendix 4: European Group Difference and National Differences to EN 60335-2-9 – 7 pages

Appendix 5: Australia & New Zealand Deviations to AS/NZS 60335.1 – 7 pages

Appendix 6: Australia & New Zealand Deviations to AS/NZS 60335.2.9 and 60335.2.15 – 6 pages

Summary of testing:

Tests performed (name of test and test clause):	**Testing location:**
Cl.10 Rated Power Input Test Cl.11 Heating Cl.13 Leakage Current & Electric Strength (At Operating Temperature) Test Cl.15 Humidity Test Cl.16 Leakage Current and Electric Strength (after Humidity) Test Cl.19 Abnormal Operation (Under Voltage & Restricted Heat Dissipation) Test Cl.19 Abnormal Operation (Over Voltage & Restricted Heat Dissipation) Test Cl.19 Abnormal Operation (Stalled Condition) Test Cl.19 Abnormal Operation (Low Power Circuit) Test Cl.22 Inspection for Corrosion (Following Abnormal Operation) Test Cl.23 Internal Wiring Insulation Electric Strength Test Cl.29 Clearance Force and Creepage Distance Test Cl.30 Ball-pressure Test Cl.30 Glow Wire Test	UL International Limited 19/F, Watson Centre, 16-22 Kung Yip Street, Kwai Chung, N.T., Hong Kong

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

European Group Difference
Australia / New Zealand National Difference
Republic of Korea National Difference
Israel National Difference
Brazil National Difference

☒ **The product fulfils the requirements of**

IEC 60335-2-9:2008 + A1:2012 + A2:2016
IEC 60335-2-15:2012 + A1:2016 + A2:2018
IEC 60335-1: 2010 + A1:2013 + A2:2016
EN 60335-2-9:2003 + A1:2004 + A2:2006 + A12:2007 + A13:2010 + AC:2011 + AC:2012
EN 60335-2-15:2016
EN 60335-1:2012 + A11:2014 + AC:2014 + A13:2017
EN 62233:2008
AS/NZS 60335.2.9:2014 + A1:2015 + A2:2016 + A3:2017
AS/NZS 60335.2.15:2013 + A1:2016 + A2:2017 + A3:2018 + A4:2019
AS/NZS 60335.1:2011 + A1:2012 + A2:2014 + A3:2015 + A4:2017 + A5:2019
KC60335-1 (2016-10)

Statement concerning the uncertainty of the measurement systems used for the tests

(may be required by the product standard or client)

☐ **Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:**

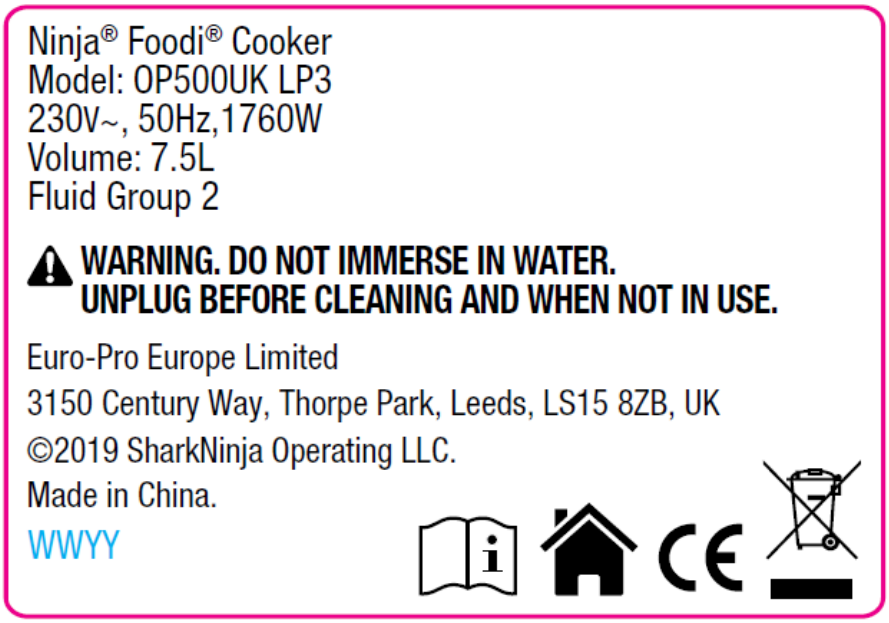
Procedure number, issue date and title:

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.

☒ **Statement not required by the standard used for type testing**

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.



Test item particulars..... :	Air Fryer and Pressure Cooker
Classification of installation and use..... :	Portable appliance
Supply Connection..... :	Supply cord with 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 ..... :	2019-11-22
Date (s) of performance of tests..... :	2019-12-04 to 2019-12-20

General remarks:

"(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.

Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:

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 ..... :	☐ **Yes** ☒ **Not applicable**

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies)..... :	GUANGDONG SHUNDE OUNING TECHNOLOGY ELECTRICAL APPLIANCE CO LTD NO. 5-6 TONG'AN ROAD, JUN'AN TOWN, SHUNDE, FOSHAN, GUANGDONG, CHINA

General product information and other remarks:

The appliance covered by this report is a portable air fryer and pressure cooker for indoor household use only. The appliance comes with a detachable pressure lid, cooking pot, air frying basket and reversible rack. The product incorporates two heaters for different functions as illustrated below, which are protected by thermal links, thermostats, and pressure switches.

The appliance incorporates two different constructions, interlock switch construction and reed switch construction, to control the operation of the top heating element and fan motor. Details can be referred from Appendix 2 : Photograph Attachment figure number 27-28, 52-58.

Below are the available functions and their accessories:

	Accessory Required	Lid Used
Pressure	/	Pressure Lid (Pressure valve turns to SEAL)
Steam	Reversible rack	Pressure Lid (Pressure valve turns to VENT)
Slow Cook	/	Pressure Lid (Pressure valve turns to VENT)
Sear/Saute	/	No lid necessary / Pressure Lid (Pressure valve turns to VENT)
Air Crisp	Air frying basket	Crisping Lid
Bake/Roast	/	Crisping Lid
Broil	Reversible rack	Crisping Lid

Additional Information:

Report Technical Amendment 2,

This report should be read in conjunction with test report number

- 4789036802.1.1-20190729-CB dated 2019-07-29 and test certificate number DK-84821-M1-UL, dated 2019-08-02, Model OP5XX**** aaa.
- 4788880795.1.1-20190620-CB dated 2019-06-20 and test certificate number DK-84821-UL, dated 2019-06-21, Model OP5XX**** aaa.

Differences with respect to Amendment 1 test report:

1) Add alternative Power PCBA circuit and layout (under low-power circuit) for reed switch construction (See photo appendix).
2) Add alternative fan motor (Model number: YJ61/300L) on Table 24.1.
3) Add alternative “internal wire (fan motor)” and alternative “sleeve for thermal fuse (fan motor)” on Table 24.1
4) Construction change on heater fixing wire (See photo appendix).
5) Update manufacturer address.
6) Correction of model number and technical data for alternative Australia plug on Table 24.1.
7) Standard update to include A5:2019 of AS/NZS 60335.1:2001
8) Standard update to include A3:2018 + A4:2019 of AS/NZS 60335.2.15:2013

Based on previously conducted testing and the review of product construction, only tests listed from “Tests Performed” were deemed necessary.

Report Technical Amendment 1,

This report should be read in conjunction with test report number 4788880795.1.1-20190620-CB dated 2019-06-20 and test certificate number DK-84821-UL, dated 2019-06-21, Model OP5XX**** aaa.

Differences with respect to original test report:

1) Added alternative components “pressure switch”, “internal wire (heater)”, “internal wire (Fuse, Interlock switch, Pressure Switch)”, “glass fibre sleeve” on Table 24.1
2) Add model number (KH-9902; KH-9902A) to alternative Korea plug on Table 24.1
3) Correction of model number and manufacturer of Transformer (TF1) on Table 24.1
4) Correction of model number and technical data of Relay (RY1) on Table 24.1
5) Correction of model number and technical data of NTC resistor (NTC1) on Table 24.1
6) Update certificate number of Varistor (ZNR1) on Table 24.1
7) Correction on Table 24.1 to add back component “Pot switch resistor”
8) Remove ratings “220V~; 60Hz; 1760W”

Based on previously conducted testing and the review of product construction, only tests listed from “Tests Performed” were deemed necessary.

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
10	**POWER INPUT AND CURRENT**		-
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)	P
	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		P
	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		N/A
	Power input of induction hotplates measured separately and the tolerances for motor-operated appliances apply. (IEC 60335-2-9)		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 ..... :		N/A
	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		N/A
	the rated current is related to the arithmetic mean value of the range		N/A
	Current input of induction hotplates measured separately and the tolerances for motor-operated appliances apply (IEC 60335-2-9)		N/A
11	**HEATING**		-
11.1	No excessive temperatures in normal use		P
	Compliance for toasters is also checked by the test of 11. 101 (IEC 60335-2-9)		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Compliance for ovens, rotary grills and cookers is also checked by the test of 11.102. (IEC 60335-2-9)		N/A
	Compliance for contact grills, waffle irons, radiant grills, raclette grills, barbecues, candy floss appliances and hot plates, is also checked by the test of 11.103. (IEC 60335-2-9)		N/A
	Compliance for breadmakers, pop-corn makers, and food dehydrators is also checked by the test of 11.104. (IEC 60335-2-9)		N/A
	Compliance for roasters is also checked by the test of 11.105. (IEC 60335-2-9)		P
	For all other types of appliances, compliance is checked by submitting the appliance to the tests of the nearest mentioned relevant type of appliance. (IEC 60335-2-9)		N/A
11.2	The appliance is held, placed or fixed in position as described ..... :	Placed away from the walls	P
	Radiant grills and raclette grills that are loaded from the front, rotary grills, ovens, breadmakers, cookers and hotplates are placed with their backs as near as possible to one of the walls of the test corner and away from the other wall ..... (IEC 60335-2-9)		N/A
11.3	Temperature rises, other than of windings, determined by thermocouples		P
	Temperature rises of windings determined by resistance method, unless	Fan motor	P
	the windings are non-uniform or it is difficult to make the necessary connections	Transformer	P
	For flat surfaces, temperature rises are measured using the probe of Figure 105. The probe is applied with a force of 4 N ± 1 N to the surface in such a way that the best possible contact between the probe and the surface is ensured. (IEC 60335-2-9)		N/A
11.4	Heating appliances operated under normal operation at 1.15 times rated power input (W) .... :	2203,8W	P
	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, the test is repeated with the appliance supplied at 1,06 times rated voltage ..... (IEC 60335-2-9)		N/A
	Breadmakers are operated as specified for combined appliances. ..... (IEC 60335-2-9)		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
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) ..... :		N/A
	Induction hot plates are also operated with vessels, as specified in Figure 104, containing water and covered with a lid. Controls are adjusted to their highest setting until the water boils and then adjusted so that the water simmers. Water is added to maintain the level during simmering. (IEC 60335-2-9)		N/A
11.7	Tests carried out in compliance with the paragraphs N° 1 to 11 (IEC 60335-2-9)		P
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		N/A
	For radiant grills, rotary grills, raclette grills, hotplates and cookers, instead of 65 K, the temperature rise of the wall of the test corner shall not exceed 75 K. (IEC 60335-2-9)		N/A
	When an appliance connector incorporates a thermostat, the temperature rise limit for the pins of the inlet does not apply (IEC 60335-2-9)		N/A
	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 60335-2-9)		N/A
	Cheese used in sandwich toasting attachments doesn’t flow into places where it can give rise to a hazard, such as reducing clearances or creepage distances below the values specified in Clause 29 (IEC 60335-2-9).		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	The temperature rise limits for touch controls also include all surfaces within 5 mm of the touch controls, regardless of their shape. (IEC 60335-2-9)		P
11.101	Toasters are placed as specified in 11.2 and are operated for three cycles at rated power under normal operation (IEC 60335-2-9).		N/A
	During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102 (IEC 60335-2-9).		N/A
11.102	Ovens, rotary grills and cookers are placed as specified in 11.2 and are supplied at rated power input and operated under normal operation (IEC 60335-2-9)		N/A
	Appliances are operated until steady conditions are established or for 60 min, whichever is shorter. During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102.		N/A
	Ovens having settings higher than 240 °C are also operated at the maximum setting until steady conditions are established or for 60 min, whichever is shorter. The temperature rise limits of Table 102 for top surfaces and door surfaces are increased by 10 K.		N/A
11.103	Contact grills, waffle irons, radiant grills, raclette grills, barbecues, candy floss appliances and hot plates are placed as specified in 11.2 and are supplied at rated power input and operated under normal operation. (IEC 60335-2-9)		N/A
	Induction hotplates and induction wok hotplates are operated at rated voltage instead of rated power input.		N/A
	During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102.		N/A
11.104	Breadmakers, pop-corn makers and food dehydrators are placed as specified in 11.2 and operated under normal operation. Pop-corn makers and food dehydrators are supplied at rated power input and breadmakers are supplied at rated voltage. (IEC 60335-2-9).		N/A
11.105	Roasters are placed as specified in 11.2 and are supplied at rated power input and operated under normal operation. (IEC 60335-2-9) During the test, the temperature rise of surfaces shall not exceed the values specified in Table 102.		P
13	**LEAKAGE CURRENT AND ELECTRIC STRENGTH AT OPERATING TEMPERATURE**		-
13.1	Leakage current not excessive and electric strength adequate		P
	Heating appliances operated at 1.15 times the rated power input (W) ..... :	2203,8W	P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Motor-operated appliances and combined appliances supplied at 1.06 times the rated voltage (V) ..... :		N/A
	Protective impedance and radio interference filters disconnected before carrying out the tests		N/A
	grill incorporated in oven, oven or grill operated most unfavourable (IEC 60335-2-9).		N/A
	Induction wok hotplates are operated with the wok pan that is supplied by the manufacturer with the induction wok hotplate at the point of sale. (IEC 60335-2-9).		N/A
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		N/A
	Leakage current measurements..... :	(see appended table)	P
	If earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate, leakage current between live parts and each of vessels in turn connected to earthed metal not exceeding 0,75 mA (IEC 60335-2-9)		N/A
	If no earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate, leakage current between live parts and each of vessels in turn not exceeding 0,25 mA (IEC 60335-2-9)		N/A
13.3	The appliance is disconnected from the supply		P
	Electric strength tests according to table 4..... :	(see appended table)	P
	test voltage of 1000V if earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate (IEC 60335-2-9).		N/A
	test voltage of 3000 V if no earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate (IEC 60335-2-9).		N/A
	No breakdown during the tests		P
15	**MOISTURE RESISTANCE**		-
15.3	Appliances proof against humid conditions		P
	Checked by test Cab: Damp heat steady state in IEC 60068-2-78		P
	Detachable parts removed and subjected, if necessary, to the humidity test with the main part		P
	Humidity test for 48 h in a humidity cabinet	25 °C; 93% RH	P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Reassembly of those parts that may have been removed		P
	The appliance withstands the tests of clause 16		P
16	**LEAKAGE CURRENT AND ELECTRIC STRENGTH**		-
16.1	Leakage current not excessive and electric strength adequate		P
	Protective impedance disconnected from live parts before carrying out the tests		N/A
	Tests carried out at room temperature and not connected to the supply		P
	For hotplates, the tests are carried out with a vessel as specified for normal operation placed on each cooking zone (IEC 60335-2-9).		N/A
	Induction wok hotplates are operated with the wok pan that is supplied by the manufacturer with the induction wok hotplate at the point of sale. (IEC 60335-2-9).		N/A
16.2	Single-phase appliances: test voltage 1.06 times rated voltage (V) ..... :	254,4V	P
	Three-phase appliances: test voltage 1.06 times rated voltage divided by √3 (V)..... :		N/A
	Leakage current measurements..... :	(see appended table)	P
	Limit values doubled if:		-
	- all controls have an off position in all poles, or		N/A
	- the appliance has no control other than a thermal cut-out, or		N/A
	- all thermostats, temperature limiters and energy regulators do not have an off position, or		N/A
	- the appliance has radio interference filters		N/A
	With the radio interference filters disconnected, the leakage current do not exceed limits specified..... :		N/A
	If earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate, leakage current between live parts and each of vessels in turn connected to earthed metal not exceeding 0,75 mA (IEC 60335-2-9)		N/A
	If no earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate, leakage current between live parts and each of vessels in turn not exceeding 0,25 mA (IEC 60335-2-9)		N/A
16.3	Electric strength tests according to table 7..... :	(see appended table)	P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Test voltage applied between the supply cord and inlet bushing and cord guard and cord anchorage as specified..... :	(see appended table)	N/A
	test voltage of 1250 V if earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate. (IEC 60335-2-9)		N/A
	test voltage of 3000 V if no earthed metal between live parts and surface of glass-ceramic (or similar) of hotplate. (IEC 60335-2-9)		N/A
	No breakdown during the tests		P
19	**ABNORMAL OPERATION**		-
19.2	Test of appliances with heating elements with restricted heat dissipation; test voltage (V), power input of 0.85 times rated power input (W) ..... :	207V; 1369W	P
	Radiant grills, raclette grills that are loaded from the front , rotary grills, ovens, hotplates and cookers are placed as near as possible to the walls of the test corner..... (IEC 60335-2-9)		N/A
	They are tested empty with lids open or closed whichever is the more unfavourable ..... (IEC 60335-2-9)	Closed	P
	Induction hotplates are operated under conditions of clause 11 but with empty vessels, controls adjusted to the highest setting (IEC 60335-2-9)		N/A
	Cookers are only tested with the heating unit that results in the most unfavourable conditions, their controls adjusted to the highest setting. However ovens are operated if they do not have an indicating lamp to show when they are switched on, controls adjusted to the highest setting (IEC 60335-2-9)		N/A
19.3	Test of 19.2 repeated; test voltage (V), power input of 1.24 times rated power input (W) ..... :	272V; 2376W	P
19.7	Stalling test by locking the rotor if the locked rotor torque is smaller than the full load torque, or		P
	locking moving parts of other appliances		P
	Locked rotor, capacitors open-circuited one at a time		N/A
	Test repeated with capacitors short-circuited one at a time, unless		N/A
	capacitor is of class S2 or S3 of IEC 60252-1		N/A
	Appliances with timer or programmer supplied with rated voltage for each of the tests, for a period equal to the maximum period allowed..... :	Thermal fuse operated	P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	An electronic timer or programmer that operates to ensure compliance with the test before the maximum period under the conditions of Clause 11 is reached, is a protective electronic circuit		N/A
	Other appliances supplied with rated voltage for a period as specified..... :		N/A
	Winding temperatures not exceeding values specified in table 8..... :	(see appended table)	P
19.11	Electronic circuits, compliance checked by evaluation of the fault conditions specified in 19.11.2 for all circuits or parts of circuits, unless		P
	they comply with the conditions specified in 19.11.1		P
	Appliances incorporating an electronic circuit that relies upon a programmable component to function correctly, subjected to the test of 19.11.4.8, unless		P
	restarting does not result in a hazard		N/A
	Appliances having a device with an off position obtained by electronic disconnection, or a device placing the appliance in a stand-by mode, subjected to the tests of 19.11.4		P
	If the safety of the appliance under any of the fault conditions depends on the operation of a miniature fuse-link complying with IEC 60127, the test of 19.12 is carried out		P
	During and after each test the following is checked:		-
	- the temperature of the windings do not exceed the values specified in table 8		P
	- the appliance complies with the conditions specified in 19.13		P
	- any current flowing through protective impedance not exceeding the limits specified in 8.1.4		N/A
	If a conductor of a printed board becomes open-circuited, the appliance is considered to have withstood the particular test, provided both of the following conditions are met:		-
	- the base material of the printed circuit board withstands the test of Annex E		N/A
	- any loosened conductor does not reduce clearance or creepage distances between live parts and accessible metal parts below the values specified in clause 29		N/A
19.11.1	Fault conditions a) to g) in 19.11.2 are not applied to circuits or parts of circuits meeting both of the following conditions:		-

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	- the electronic circuit is a low-power circuit, that is, the maximum power at low-power points does not exceed 15 W according to the tests specified		P
	- the protection against electric shock, fire hazard, mechanical hazard or dangerous malfunction of other parts of the appliance does not rely on the correct functioning of the electronic circuit		P
19.11.2	Fault conditions applied one at a time, the appliance operating under conditions specified in clause 11, but supplied at rated voltage, duration of the tests as specified:		-
	a) short circuit of functional insulation if clearances or creepage distances are less than the values specified in clause 29		P
	b) open circuit at the terminals of any component		P
	c) short circuit of capacitors, unless		P
	they comply with IEC 60384-14		P
	d) short circuit of any two terminals of an electronic component, other than integrated circuits		P
	This fault condition is not applied between the two circuits of an optocoupler		N/A
	e) failure of triacs in the diode mode		N/A
	f) failure of microprocessors and integrated circuits		N/A
	g) failure of an electronic power switching device		N/A
	Each low power circuit is short-circuited by connecting the low-power point to the pole of the supply source from which the measurements were made		P
19.13	During the tests the appliance does not emit flames, molten metal, poisonous or ignitable gas in hazardous amounts		P
	Temperature rises not exceeding the values shown in table 9 ..... :	(see appended table)	P
	Compliance with clause 8 not impaired		P
	If the appliance can still be operated it complies with 20.2		P
	Insulation, other than of class III appliances or class III constructions that do not contain live parts, withstands the electric strength test of 16.3, the test voltage as specified in table 4:		-
	- basic insulation (V) ..... :	1000V	P
	- supplementary insulation (V)..... :	1750V	P
	- reinforced insulation (V) ..... :	3000V	P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	After operation or interruption of a control, clearances and creepage distances across the functional insulation withstand the electric strength test of 16.3, the test voltage being twice the working voltage		P
	The appliance does not undergo a dangerous malfunction, and		P
	no failure of protective electronic circuits, if the appliance is still operable		N/A
	Appliances tested with an electronic switch in the off position, or in the stand-by mode:		-
	- do not become operational, or		P
	- if they become operational, do not result in a dangerous malfunction during or after the tests of 19.11.4		N/A
	If the appliance contains lids or doors that are controlled by one or more interlocks, one of the interlocks may be released provided that:		-
	- the lid or door does not move automatically to an open position when the interlock is released, and		N/A
	- the appliance does not start after the cycle in which the interlock was released		N/A
	During the test of 19.102 any flame or smoke from the bread are ignored (IEC 60335-2-9)		N/A
	Temperature rise of the windings of induction hotplates not exceeding the values specified in 19.7 (IEC 60335-2-9)		N/A
22	**CONSTRUCTION**		-
22.18	Current-carrying parts and other metal parts resistant to corrosion		P
23	**INTERNAL WIRING**		-
23.5	The insulation of internal wiring subjected to the supply mains voltage withstanding the electrical stress likely to occur in normal use		P
	Basic insulation electrically equivalent to the basic insulation of cords complying with IEC 60227 or IEC 60245, or		N/A
	no breakdown when a voltage of 2000 V is applied for 15 min between the conductor and metal foil wrapped around the insulation		P
	For class II construction, the requirements for supplementary insulation and reinforced insulation apply,		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	except that the sheath of a cord complying with IEC 60227 or IEC 60245 may provide supplementary insulation.		N/A
	A single layer of internal wiring insulation does not provide reinforced insulation		P
24	**COMPONENTS**		-
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		P
	Relays tested as part of the appliance, or		P
	alternatively acc. 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		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	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
	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
29	**CLEARANCES, CREEPAGE DISTANCES AND SOLID INSULATION**		-
	Clearances, creepage distances and solid insulation withstand electrical stress		P
	For coatings used on printed circuits boards to protect the microenvironment (Type 1) or to provide basic insulation (Type 2), Annex J applies:		N/A
	The microenvironment is pollution degree 1 under type 1 protection		N/A
	For type 2 protection, the spacing between the conductors before the protection is applied is not less than the values specified in Table 1 of IEC 60664-3		N/A
	These values apply to functional, basic, supplementary and reinforced insulation..... :		N/A
29.1	Clearances not less than the values specified in table 16, taking into account the rated impulse voltage for the overvoltage categories of table 15, unless ..... :	(see appended table)	P
	for basic insulation and functional insulation they comply with the impulse voltage test of clause 14		N/A
	However, if the distances are affected by wear, distortion, movement of the parts or during assembly, the clearances for rated impulse voltages of 1500V and above are increased by 0,5 mm and the impulse voltage test is not applicable		P
	For appliances intended for use at altitudes exceeding 2 000 m, the clearances in Table 16 is increased according to the relevant multiplier values in Table A.2 of IEC 60664-1		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	Impulse voltage test is not applicable:		-
	- when the microenvironment is pollution degree 3, or		N/A
	- for basic insulation of class 0 and class 01 appliances		N/A
	- to appliances intended for use at altitudes exceeding 2 000 m		N/A
	Appliances are in overvoltage category II		P
	A force of 2 N is applied to bare conductors, other than heating elements		P
	A force of 30 N is applied to accessible surfaces		P
29.1.1	Clearances of basic insulation withstand the overvoltages, taking into account the rated impulse voltage		P
	The values of table 16 or the impulse voltage test of clause 14 are applicable..... :	(see appended table)	P
	Clearance at the terminals of tubular sheathed heating elements may be reduced to 1,0 mm if the microenvironment is pollution degree 1	1,7mm	P
	Lacquered conductors of windings considered to be bare conductors		P
29.1.2	Clearances of supplementary insulation not less than those specified for basic insulation in table 16 ..... :	(see appended table)	P
29.1.3	Clearances of reinforced insulation not less than those specified for basic insulation in table 16, using the next higher step for rated impulse voltage ..... :	(see appended table)	P
	For double insulation, with no intermediate conductive part between basic and supplementary insulation, clearances are measured between live parts and the accessible surface, and the insulation system is treated as reinforced insulation		P
29.1.4	Clearances for functional insulation are the largest values determined from:		-
	- table 16 based on the rated impulse voltage ..... :	(see appended table)	P
	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz		N/A
	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz		N/A
	If values of table 16 are largest, the impulse voltage test of clause 14 may be applied instead, unless		N/A
	the microenvironment is pollution degree 3, or		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	the distances can be affected by wear, distortion, movement of the parts or during assembly		N/A
	However, clearances are not specified if the appliance complies with clause 19 with the functional insulation short-circuited		**P**
	Lacquered conductors of windings considered to be bare conductors		**P**
	However, clearances at crossover points are not measured		**P**
	Clearance between surfaces of PTC heating elements may be reduced to 1mm		N/A
29.1.5	Appliances having higher working voltages than rated voltage, clearances for basic insulation are the largest values determined from:		-
	- table 16 based on the rated impulse voltage ..... :		N/A
	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz		N/A
	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz		N/A
	If clearances for basic insulation are selected from Table F.7a of IEC 60664-1 or Clause 4 of IEC 60664-4, the clearances of supplementary insulation are not less than those specified for basic insulation		N/A
	If clearances for basic insulation are selected from Table F.7a of IEC 60664-1, the clearances of reinforced insulation dimensioned as specified in Table F.7a are to withstand 160% of the withstand voltage required for basic insulation		N/A
	If clearances for basic insulation are selected from Clause 4 of IEC 60664-4, the clearances of reinforced insulation are twice the value required for basic insulation		N/A
	If the secondary winding of a step-down transformer is earthed, or if there is an earthed screen between the primary and secondary windings, clearances of basic insulation on the secondary side not less than those specified in table 16, but using the next lower step for rated impulse voltage		N/A
	Circuits supplied with a voltage lower than rated voltage, clearances of functional insulation are based on the working voltage used as the rated voltage in table 15		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
29.2	Creepage distances not less than those appropriate for the working voltage, taking into account the material group and the pollution degree..... :	(see appended table)	P
	Pollution degree 2 applies, unless		-
	- precautions taken to protect the insulation; pollution degree 1		N/A
	- insulation subjected to conductive pollution; pollution degree 3		P
	A force of 2 N is applied to bare conductors, other than heating elements		P
	A force of 30 N is applied to accessible surfaces		P
	In a double insulation system, the working voltage for both the basic and supplementary insulation is taken as the working voltage across the complete double insulation system		P
	Pollution degree 3 applies, unless the insulation is enclosed or located so that it is unlikely to be exposed to pollution during normal use of the appliance (IEC 60335-2-9)		P
29.2.1	Creepage distances of basic insulation not less than specified in table 17..... :	(see appended table)	P
	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 17..... :		N/A
	Except for pollution degree 1, corresponding creepage distance not less than the minimum specified for the clearance in table 16, if the clearance has been checked according to the test of clause 14 ..... :		N/A
29.2.2	Creepage distances of supplementary insulation at least those specified for basic insulation in table 17, or..... :	(see appended table)	P
	Table 2 of IEC 60664-4, as applicable ..... :		N/A
29.2.3	Creepage distances of reinforced insulation at least double those specified for basic insulation in table 17, or..... :	(see appended table)	P
	Table 2 of IEC 60664-4, as applicable ..... :		N/A
29.2.4	Creepage distances of functional insulation not less than specified in table 18 ..... :	(see appended table)	P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 18..... :		N/A
	Creepage distances may be reduced if the appliance complies with clause 19 with the functional insulation short-circuited		P
30	**RESISTANCE TO HEAT AND FIRE**		-
30.1	External parts of non-metallic material,		P
	parts supporting live parts, and		P
	parts of thermoplastic material providing supplementary or reinforced insulation		P
	sufficiently resistant to heat		P
	Ball-pressure test according to IEC 60695-10-2		P
	External parts tested at 40 °C plus the maximum temperature rise determined during the test of clause 11, or at 75 °C, whichever is the higher; temperature (°C)..... :	(see appended table)	P
	Parts supporting live parts tested at 40°C plus the maximum temperature rise determined during the test of clause 11, or at 125 °C, whichever is the higher; temperature (°C)..... :	(see appended table)	P
	Parts of thermoplastic material providing supplementary or reinforced insulation tested at 25 °C plus the maximum temperature rise determined during clause 19, if higher; temperature (°C) ..... :	(see appended table)	P
	Temperature rises occurring during the test of 19.102 are not taken into account (IEC 60335-2-9)		N/A
30.2	Parts of non-metallic material resistant to ignition and spread of fire		P
	This requirement does not apply to:		-
	parts having a mass not exceeding 0,5 g, provided the cumulative effect is unlikely to propagate flames that originate inside the appliance by propagating flames from one part to another, or		P
	decorative trims, knobs and other parts unlikely to be ignited or to propagate flames that originate inside the appliance		P
	Compliance checked by the test of 30.2.1, and in addition:		P
	- for attended appliances, 30.2.2 applies		N/A
	- for unattended appliances, 30.2.3 applies		P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	For appliances for remote operation, 30.2.3 applies		N/A
	For base material of printed circuit boards, 30.2.4 applies		P
	For breadmakers, food dehydrators, 30.2.3 applies (IEC 60335-2-9)		N/A
	For hotplates 30.2.3 applies (IEC 60335-2-9)		N/A
	For cookers, ovens, roasters, rotary grills if they incorporate a timer or if their instructions indicate a cooking operation longer than 1h , 30.2.3 applies (IEC 60335-2-9)		P
	For other appliances, 30.2.2 applies (IEC 60335-2-9)		N/A
30.2.1	Parts of non-metallic material subjected to the glow-wire test of IEC 60695-2-11 at 550 °C		P
	However, test not carried out if the material is classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 550 °C, or		N/A
	the material is classified at least HB40 according to IEC 60695-11-10		N/A
	Parts for which the glow-wire test cannot be carried out need to meet the requirements in ISO 9772 for material classified HBF		N/A
30.2.3	Appliances operated while unattended, tested as specified in 30.2.3.1 and 30.2.3.2		P
	The tests are not applicable to conditions as specified..... :		N/A
30.2.3.1	Parts of non-metallic material supporting connections carrying a current exceeding 0,2 A during normal operation, and		P
	parts of non-metallic material, other than small parts, within a distance of 3 mm,		P
	subjected to the glow-wire test of IEC 60695-2-11 with a test severity of 850 °C		P
	Glow-wire applied to an interposed shielding material, if relevant		N/A
	The glow-wire test is not carried out on parts of material classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 850 °C		N/A
30.2.3.2	Parts of non-metallic material supporting connections, and		P
	parts of non-metallic material within a distance of 3mm,		P

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	subjected to glow-wire test of IEC 60695-2-11		P
	The test severity is:		-
	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation		P
	- 650 °C, for other connections		P
	Glow-wire applied to an interposed shielding material, if relevant		N/A
	However, the glow-wire test of 750 °C or 650 °C as appropriate, is not carried out on parts of material fulfilling both or either of the following classifications:		-
	- a glow-wire ignition temperature according to IEC 60695-2-13 of at least:		N/A
	• 775 °C, for connections carrying a current exceeding 0,2 A during normal operation		N/A
	• 675 °C, for other connections		N/A
	- a glow-wire flammability index according to IEC 60695-2-12 of at least:		N/A
	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation		N/A
	- 650 °C, for other connections		N/A
	The glow-wire test is also not carried out on small parts. These parts are to:		-
	- comprise material having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or		N/A
	- comprise material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- comply with the needle-flame test of Annex E, or		N/A
	- comprise material classified as V-0 or V-1 according to IEC 60695-11-10		N/A
	The consequential needle-flame test of Annex E applied to non-metallic parts that encroach within the vertical cylinder placed above the centre of the connection zone and on top of the non-metallic parts supporting current-carrying connections, and parts of non-metallic material within a distance of 3 mm of such connections if these parts are those:		-
	- parts that withstood the glow-wire test of IEC 60695-2-11 of 750 °C or 650 °C as appropriate, but produce a flame that persist longer than 2 s, or		N/A
	- parts that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict
	- small parts, that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- small parts for which the needle-flame test of Annex E was applied, or		N/A
	- small parts for which a material classification of V-0 or V-1 was applied		N/A
	However, the consequential needle-flame test is not carried out on non-metallic parts, including small parts, within the cylinder that are:		-
	- parts having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or		N/A
	- parts comprising material classified as V-0 or V-1 according to IEC 60695-11-10, or		N/A
	- parts shielded by a flame barrier that meets the needle-flame test of Annex E or that comprises material classified as V-0 or V-1 according to IEC 60695-11-10		N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

10.1	**TABLE: Power input deviation**				P
Input deviation of/at:	**P rated (W)**	**P measured (W)**	**Δ P**	**Required Δ P**	**Remark**
230V; 50Hz	1760	1775	+0,9%	+5% ; -10%	P
Supplementary information:					

10.2	**TABLE: Current deviation**				N/A
Current deviation of/at:	**I rated (A)**	**I measured (A)**	**Δ I**	**Required Δ I**	**Remark**
-	-	-	-	-	-
Supplementary information:					

11.8	**TABLE: Heating test**		P
	Test voltage (V) .... :	262V	—
	Ambient (°C) ..... :	22,7°C	—

Thermocouple locations	**Max. temperature rise measured, Δ T (K)**	**Max. temperature rise limit, Δ T (K)**
Main Unit		
Supply cord, at separation	35,2	50
Reed switch, ambient at 5mm	74,6	Annex H
Ambient of Pressure switch	59,1	175=T200-25
Bottom heater terminal	71,1	Ref
Internal wiring, to heater	61,9	175=T200-25
Power PCB	35,0	120
Relay, REL1	38,1	80=T105-25
Relay, REL2	33,7	80=T105-25
Transformer windings, Class (F)	50,4	115
Varistor, CNR1 / X2 capacitor	40,3	Ref / 75=T100-25
Y capacitor	45,0	Ref
Fuse link / NTC	37,8	Ref
Control PCB	29,3	120
Base cover (inside)	46,8	Cl.30
Main housing (inside)	34,6	Cl.30
Side accessible plastic 25mm from the ventilation openings on main body	27,2	65

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

Housing Metal Rim	43,6	45
Backlit shade	14,6	65
Backlit shade (inside)	15,1	Cl.30
Handle of body	8,3	60
Internal wire, to Power PCB	33,2	175=T200-25
Power PCBA bracket	22,7	Cl.30
UI PCBA bracket backlit	22,7	Cl.30
Knob button	8,1	60
UI knob	11,2	60
Air Fryer Lid		
Crisping lid top cover	27,3	60
Crisping lid top cover (inside)	40,9	Cl.30
Crisping lid top housing (inside, near vent)	50,7	Cl.30
Air vent (inside)	129,1	Cl.30
Side accessible plastic 25mm from air vent	32,2	65
Crisping lid handle	29,0	60
Thermal fuse (Top heater)	97,5	Ref
Fan motor bobbin	46,6	Cl.30
Top heater terminal	110,7	Ref
Insulation bracket	50,4	Cl.30
Test corner	18,1	65
Supplementary information: Only on Air Fryer function (Pressure lid not used), with alternative YJ61/300L fan motor		

11.8	**TABLE: Heating test, resistance method**					P
	Test voltage (V) ..... :		262V			—
	Ambient, t1 (°C) ..... :		22,7°C			—
	Ambient, t2 (°C) ..... :		24,0°C			—
Temperature rise of winding	**R1 (Ω)**	**R2 (Ω)**	**Δ T (K)**	**Max. Δ T (K)**	**Insulation class**	
Fan motor winding	98,2	127,6	73,0	140	Class 180 (H)	
Supplementary information: Only on Air Fryer function (Pressure lid not used), with alternative YJ61/300L fan motor						

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

13.2	**TABLE: Leakage current**		P
	Heating appliances: 1.15 x rated input (W).. :	2203,8W	—
	Motor-operated and combined appliances: 1.06 x rated voltage (V) ..... :	-	—

Leakage current between	**I (mA)**	**Max. allowed I (mA)**
L/N – earthed metal (Lid fan guard)	0,02	0,75
L/N – plastic enclosure & control panel	0,01 peak	0,35 peak
Supplementary information:		

13.3	**TABLE: Dielectric strength**	P
Test voltage applied between:	**Test potential applied (V)**	**Breakdown / flashover (Yes/No)**
L/N – earthed metal (heater)	1000	No
Internal wire & plastic enclosure / control panel	1750	No
L/N – plastic enclosure & control panel	3000	No
Supplementary information:		

16.2	**TABLE: Leakage current**		P
	Single phase appliances: 1.06 x rated voltage (V)..... :	254,4V	—
	Three phase appliances 1.06 x rated voltage divided by √3 (V)..... :	-	—

Leakage current between	**I (mA)**	**Max. allowed I (mA)**
L/N – earthed metal (Lid fan guard)	0,02	0,75
L/N – plastic enclosure & control panel	0,01	0,25
Supplementary information:		

16.3	**TABLE: Dielectric strength**	P
Test voltage applied between:	**Test potential applied (V)**	**Breakdown / flashover (Yes/No)**
L/N – earthed metal (heater)	1250	No
Internal wire & plastic enclosure / control panel	1750	No
L/N – plastic enclosure & control panel	3000	No
Supplementary information:		

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

19	**Abnormal operation conditions**	P

Operational characteristics	**YES/NO**	**Operational conditions**
Are there electronic circuits to control the appliance operation?	YES	-
Are there "off" or "stand-by" position?	YES	-
The unintended operation of the appliance results in dangerous malfunction?	NO	-

Sub-clause	**Operating conditions description**	**Test results description**	**PEC description**	**EMP 19.11.4**	**Software type required**	**19.11.3 PEC**	**Final result**
19.2	0,85 times rated power input with restricted heat dissipation	No Hazard	N/A	N/A	N/A	N/A	P
19.3	1,24 times rated power input with restricted heat dissipation	No Hazard	N/A	N/A	N/A	N/A	P
19.7	Locked rotor; Motor thermal link operated	No Hazard	N/A	N/A	N/A	N/A	P
19.11.2	Component fault	No Hazard	N/A	N/A	N/A	N/A	P
Supplementary information:							

19.7	**TABLE: Abnormal operation, locked rotor/moving parts**					P
	Test voltage (V)..... :		240V			—
	Ambient, t1 (°C)..... :		21,0℃			—
	Ambient, t2 (°C)..... :		21,6℃			—
Temperature of winding	**R1 (Ω)**	**R2 (Ω)**	**Δ T (K)**	**T (°C)**	**Max. T (°C)**	
Motor winding	97,4	153,4	140,9	162,5	260	
Supplementary information: Thermal fuse operated (with alternative YJ61/300L fan motor)						

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

19.13	TABLE: Abnormal operation, temperature rises	P

Thermocouple locations	Max. temperature rise measured, Δ T (K)	Max. temperature rise limit, Δ T (K)
Main Unit		
Supply cord, at separation	36,1	150
Transformer windings, Class 155	83,3°C	240 °C
Base cover (inside)	47,7	Cl.30
Main housing (inside)	35,8	Cl.30
Backlit Shade (inside)	17,5	Cl.30
Power PCBA bracket	23,2	Cl.30
UI PCBA bracket backlit	24,0	Cl.30
Crisping Lid		
Crisping lid top cover (inside)	60,9	Cl.30
Crisping lid top housing (inside, near vent)	59,2	Cl.30
Air vent (inside)	144,7	Cl.30
Motor bobbin	77,7	Cl.30
Insulation bracket	55,7	Cl.30
Motor windings, Class 180	162,5°C	260 °C
Test corner	18,3	150
Supplementary information: Only on Air Fryer function (Pressure lid not used), with alternative YJ61/300L fan motor		

24.1	TABLE: Critical components information	P

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity[1])
Plug for UK	Kenic Electric Mfg Co Ltd	KE-128	250V~; 13A	BS 1363-1	KM 54019
Alternative	Guangdong KaiHua Electric Applaince Co Ltd	KH-9933; KH-9933A	250V~; 13A	BS 1363-1	ASTA 1053
Plug for EU	Kenic Electric Mfg Co Ltd	KE-23	250V~; 16A	DIN VDE 0620-2-1	VDE 40002191
Alternative	Guangdong KaiHua Electric Applaince Co Ltd	KH-9902	250V~; 16A	DIN VDE 0620-2-1	VDE 40010410
Plug for Australia	Kenic Electric Mfg Co Ltd	KE-13B	250V~; 10A	AS/NZS 3112	NSW18070

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

Alternative	Guangdong KaiHua Electric Applaince Co Ltd	KH-9909	250V~; 10A	AS/NZS 3112	NSW18517
Plug for Israel	Kenic Electric Mfg Co Ltd	KE-40	250V~; 16A	Israel Standard No.32 Part 1.1	SII No.25285
Alternative	Guangdong KaiHua Electric Applaince Co Ltd	KH-9905	250V~; 16A	Israel Standard No.32 Part 1.1	SII No.39671
Plug for Korea	Kenic Electric Mfg Co Ltd	KE-83	250V~; 16A	KC60884-1	SU04012-1007E
Alternative	Guangdong KaiHua Electric Applaince Co Ltd	KH-9901; KH-9902; KH-9902A	250V~; 16A	KC60884-1	SU04043-5001C
Power cord	Kenic Electric Mfg Co Ltd	H05VV-F	3G0,75mm^2 (Length ≤ 2m); 3G1,0mm^2	EN 50525-2-11	VDE 103853
Alternative	Guangdong KaiHua Electric Applaince Co Ltd	H05VV-F	3G0,75mm^2 (Length ≤ 2m); 3G1,0mm^2	EN 50525-2-11	VDE 40001903
Power cord for Australia	Kenic Electric Mfg Co Ltd	H05VV-F	3G0,75mm^2 (Length ≤ 2m); 3G1,0mm^2	AS/NZS 3191	NSW15075
Alternative	Guangdong KaiHua Electric Applaince Co Ltd	H05VV-F	3G0,75mm^2 (Length ≤ 2m); 3G1,0mm^2	AS/NZS 3191	NSW18304
Power cord for Korea	Kenic Electric Mfg Co Ltd	H05VV-F	3G0,75mm^2 (Length ≤ 2m); 3G1,0mm^2	KC60227-1; KC60227-2; KC60227-5	SU04008-4002A
Alternative	Guangdong KaiHua Electric Applaince Co Ltd	H05VV-F	3G0,75mm^2 (Length ≤ 2m); 3G1,0mm^2	KC60227-5	SU01028-4001A
Main Base					
Bottom heating element	Zhongshan City Hongfeng Electronic Appliance Co Ltd	80YS2	AC230V; 1200W	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance
Thermal fuse (Bottom heater)	Therm-O-Disc Europe B.V.	G4A00	Tf 229°C; AC250V; 10A	IEC/EN 60691	VDE 40017228

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

Internal wire (Heater)	ZhongShan City DingXiang Electrical Co Ltd	3135	16/18AWG; 600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E354487
Alternative	Qifurui Electronics Co	3135	16/18AWG; 600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E211048
Internal wire (Heater)	ZhongShan City DingXiang Electrical Co Ltd	3122	16/18AWG; 600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E354487
Alternative	Qifurui Electronics Co	3122	16/18AWG; 600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E211048
Internal wire (Signal wire)	Zhongshan Hualan Electronic Co Ltd	1332	24AWG; 300V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E303124
Internal wire (Fuse, Interlock switch, Pressure Switch)	ZhongShan City DingXiang Electrical Co Ltd	3122	16-24AWG; 200°C; 300V	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E354487
Alternative	Qifurui Electronics Co	3122	16-24AWG; 200°C; 300V	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E211048
Internal wire (Reed switch)	Dongguan Evk Electric Technique Co Ltd	1332	24AWG; 300V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E302679
Internal wire (Bottom NTC)	Foshan City Zheng Guan Fluorplastics Wire Factory	1332	24AWG; 300V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E307535

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

Pressure switch	Foshan Jie Yang Electrical Co Ltd	KSD203	AC 250V; 16A; Tmax 200 ° C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance TUV B 0840780009
Alternative	Zhongshan Huilong Electric Appliance Co Ltd	YCD3005	AC 250V; 10A; Tmax 200 ° C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance VDE 40039915
Clear Crimp Cap	Heavy Power Co Ltd	CE-2/CE-5	150°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E113650
Micro switch (Interlock switch)	Huiyang Zing Ear Industry Co., Ltd.	G5T16	AC250V; 10A; 5E4; T125	EN 61085-1	ENEC NO3346
Reed switch	Foshan ChuanDong Magnetoelectric Co., Ltd.	CPS-500	-	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance
UI PCBA ; Power PCBA	Hung Hing Electronics Co Ltd	HH-03	V-0; Thickness 1,6mm	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E327405
Alternative	Xinhua Electronics (Huizhou) Co Ltd	XH1	V-0; Thickness 1,6mm	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E241103
- Relay (RY1)	Sanyou Corporation Limited	SRG-S-112D-55	250Vac; 17A; T105; 5E4	IEC/EN 61810-1	VDE 40037165
Alternative	Sanyou Corporation Limited	SRG-S-112D-F	250Vac; 17A; T105; 5E4	IEC/EN 61810-1	VDE 40037165
- Relay (RY2)	Sanyou Corporation Limited	SRD-S-112DM2-L	277Vac; 12A; T105; 5E4	IEC/EN 61810-1	VDE 40034479
- Transformer (TF1)	Guangdong Qiaojing Electronics Co Ltd	EE13-110/220-12/8-A1	Class 155 (F)	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

- Transformer bobbin (TF1)	Chang Chun Plastics Co Ltd	T375J	PMC; V-0	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E59481
- Transformer winding (TF1)	Dong Guan Yida Industrial Co Ltd	xUEW/155	155 °C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E344055
Alternative	Shenzhen Chengwei Industry Co Ltd	(x)UEW-F-(&)-(*)	155 °C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E227475
-Y capacitor (CY1, CY2)	Guangdong South Hongming Electronic Science and Technology Co.,Ltd	F	AC 250V; T125; 4700pF	IEC/EN 60384-14	VDE 40036246
Alternative	Xiamen Wanming Electronics Co.,Ltd	HM	AC 250V; T125; 4700pF	IEC/EN 60384-14	VDE 40034436
- X2 capacitor (CX1)	Tenta Electric Industrial Co. Ltd.	MEX	0,1µF; 275Vac; T100	IEC/EN 60384-14	VDE 119119
Alternative	Shantou High-New Technology Dev. Zone Songtian Enterprise Co Ltd	MPX	0,1µF; 275Vac; T110	IEC/EN 60384-14	VDE 40034679
Alternative	Guangdong Fengming Electronic Tech Co Ltd	MKP-X2	0,1µF; 275Vac; T105	IEC/EN 60384-14	VDE 40025702
- Varistor (ZNR1)	Thinking Electronic Industrial Co Ltd	TVR 10471	AC 300V	IEC/EN 61051-1 IEC 61051-2 IEC 61051-2-2	VDE 5944
Alternative	EPCOS OHG	CNR-07D471KBTS	AC 300V	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE 40027582
- Fuse link (FS1)	Hollyland Company Limited	5ET	250Vac; 3,15A	IEC/EN 60127-1; IEC/EN 60127-3	VDE 40015669
Alternative	Shenzhen Lanson Electronics Co Ltd	SMT	250Vac; 3,15A	IEC/EN 60127-1; IEC/EN 60127-3	VDE 40012592

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

Alternative	XC Electronics (Shenzhen) Corp Ltd	5TE	250Vac; 3,15A	IEC/EN 60127-1; IEC/EN 60127-3	VDE 40036821
- Connector on PCB	Famfull Electronics Co Ltd	B500011-2-02	2/10PIN; 2,5mm; T85	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E241222
- NTC resistor (NTC1)	Shenzhen Ampron Technology Co Ltd	MF72-10D9	10Ω±20%; T170	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E243011
- Pot switch resistor	Jin Hai Te Electronic (Shenzhen) Co Ltd	RT/CF-1/2W	470Ω	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance
- Transparent cover on PCB terminal	Foshan Fangpu Dipping Technology Co Ltd	Series FP	PVC; VW-1	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E185679
Bottom NTC	Hefei Sensing Electronic Co Ltd	MF58-104F3990	T250°C; R(25°C)=100Kohm +/-1%	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E318225
Fuse sleeving	ShenZhen WahChangWei Industrial Co Ltd	SGS-70	600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E233803
Glass fibre sleeve	DongGuan YongChao Insulation Material Co Ltd	YC-UZFT-70	600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E364067
Alternative	JiangYin ZhiJun Appliance Electric Cable & Wire Co Ltd	HST	600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E302890

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

Support ring; Base cover	Foshan Shunde Kingde Engineering Plastics Co Ltd	KF-5330	PET; V-0	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E314830
Main housing; Rear cover; Right/Left Base handle; Right/Left Arm cover; Power PCBA bracket; UI PCBA bracket backlit	Kingfa Sci & Tech Co Ltd	HG-168A185	PP; HB	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E171666
Upper/Lower UI mylar backlit	Foshan Shunde LiDe Printing Co Ltd	PET	-	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance
Backlit shade	Guangdong Shunde Ouning Technology Electrical Appliance Co Ltd	TX1001	PCTG	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance
UI knob	Chi Mei Corporation	PA-757(+)	ABS; HB	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E56070
Knob button	Toray Industries Inc	ABS920	ABS; HB	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E41797
Left/Right Spring Cover; Power Cord Clamp	Kingfa Sci & Tech Co Ltd	PA66-G30	PA; HB	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E171666
Inuslation Silicon	Jiangmen Darong Medical Equipment Co Ltd	Silicone	Soft	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E171666
Air fryer lid					

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

Top heating element	ZhongShan City HongFeng Electronic Appliance Co Ltd	HF-3	230Vac; 1700W	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance
Thermal fuse	Therm-O-Disc Europe B.V.	G4A00	Tf240°C; AC 250V; 10A	IEC/EN 60691	VDE 40017228
Fuse sleeve	Dongguan City Changjie Metals & Plastics Products Co Ltd	CJ-TT-L	PTFE; 150V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E338209
Fan motor	Shenzhen Zhaoli Motor Co Ltd	YJ61/300	230Vac; 50Hz Class 180 (H); 62±10W	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance
Alternative	Shenzhen Zhaoli Motor Co Ltd	YJ61/300L	230Vac; 50Hz Class 180 (H); 45W+/-15%	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance
- Motor bobbin	E I Dupont De Nemours & Co Inc	FR530	R315R	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E69939
- Thermal fuse (Fan Motor)	Xiamen Set Electronics Co Ltd	H6	145°C; 250Vac; 2A	EN 60691	TUV R 50259420
- Sleeve for thermal fuse (fan motor)	JiangYin ZhiJun Appliance Electric Cable & Wire Co Ltd	HST	600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E302890
Alternative	Sin Tiong Wah Electric Products (Shenzhen) Co Ltd	FSG-3A	600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E146955
Top NTC	Shibaura Electronics Co Ltd	PT-312-S11	R200=1K B100-200=4537K; 300°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL 225177

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

Internal wire (Fan motor)	Dongguan Worldful Electric Wire Co Ltd	3135	200°C; 22AWG; 600V	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E317806
Alternative	Cixi Shuanghong Wire Co Ltd	3135	200°C; 22AWG; 600V	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E333296
Alternative	Shenzhen Mysun Insulation Materials Co Ltd	3135	200°C; 22AWG; 600V	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E239689
Alternative	Zhongshan Hualan Electronic Co Ltd	3135	200°C; 22AWG; 600V	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E303124
Internal wire (Top NTC)	Zhongshan Hualan Electronic Co Ltd	3135	200°C; 26AWG; 600V	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E303124
Internal wire (Heater)	Zhongshan City Dingxiang Electrical Co Ltd	3135	200°C; 18AWG; 600V	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E354487
Top cover	Chi Mei Corporation	PA-777E	ABS; HB	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E56070
Top housing	Kingfa Sci & Tech Co Ltd	HG-168A185	PP; HB	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E171666
Insulation bracket; Hinge Left/Right Fixing Plate	Foshan Shunde Kingde Engineering Plastics Co Ltd	KF-5330	PET; V-0	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E314830

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

Air vent; Air vent stand	Kotec Corp	1340(#)	PPS; V-0	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E146413
Glass fibre sleeve	Dachun Electron Factory	SES@	600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E324726
Alternative	ShenZhen WahChangWei Industrial Co Ltd	SGS-70	600V; 200°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E233803
White Crimp Cap	Heavy Power Co Ltd	CE2/CE5	150°C	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E113650
Pressure Lid					
Lid cover; Lid handle; Lid side cover; Lid inner brace	Kingfa Sci & Tech Co Ltd	HG-168A185	PP; HB	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E171666
Lid handle cover	Chi Mei Corporation	PA-757(+)	ABS; HB	IEC/EN 60335-1 IEC/EN 60335-2-9 IEC/EN 60335-2-15	Tested with appliance UL E56070

Supplementary information:

[1]) Provided evidence ensures the agreed level of compliance. See OD-CB2039.

29.1	**TABLE: Clearances**					P
	Overvoltage category		II			—
		Type of insulation:				
Rated impulse voltage (V):	**Min. cl (mm)**	**Basic (mm)**	**Supplementary (mm)**	**Reinforced (mm)**	**Functional (mm)**	**Verdict / Remark**
330	0,2* / 0,5 / 0,8**	-	-	-	-	N/A
500	0,2* / 0,5 / 0,8**	-	-	-	-	N/A
800	0,2* / 0,5 / 0,8**	-	-	-	-	N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

1 500	0,5 / 0,8** / 1,0***	-	-	-	-	N/A
2 500	1,5 / 2,0***	5,5	>10	-	3,4	P
4 000	3,0 / 3,5***	-	-	>10	-	P
6 000	5,5 / 6,0***	-	-	-	-	N/A
8 000	8,0 / 8,5***	-	-	-	-	N/A
10 000	11,0 / 11,5***	-	-	-	-	N/A

Supplementary information:

***) For tracks on printed circuit boards if pollution degree 1 and 2**
****) For pollution degree 3**
*****) If the construction is affected by wear, distortion, movement of the parts or during assembly**

29.2	**TABLE: Creepage distances, basic, supplementary and reinforced insulation**										P
Working voltage (V)	**Creepage distance (mm) Pollution degree**										
	1	**2**			**3**			**Type of insulation**			
		Material group			**Material group**						
		I	**II**	**IIIa/IIIb**	**I**	**II**	**IIIa/IIIb***	**B****	**S****	**R****	**Verdict**
≤50	0,18	0,6	0,85	1,2	1,5	1,7	1,9		—	—	N/A
≤50	0,18	0,6	0,85	1,2	1,5	1,7	1,9	—		—	N/A
≤50	0,36	1,2	1,7	2,4	3,0	3,4	3,8	—	—		N/A
125	0,28	0,75	1,05	1,5	1,9	2,1	2,4		—	—	N/A
125	0,28	0,75	1,05	1,5	1,9	2,1	2,4	—		—	N/A
125	0,56	1,5	2,1	3,0	3,8	4,2	4,8	—	—		N/A
250	0,56	1,25	1,8	2,5	3,2	3,6	**4,0**	>10	—	—	P
250	0,56	1,25	1,8	2,5	3,2	3,6	**4,0**	—	>10	—	P
250	1,12	2,5	3,6	5,0	6,4	7,2	**8,0**	—	—	>10	P
400	1,0	2,0	2,8	4,0	5,0	5,6	6,3		—	—	N/A
400	1,0	2,0	2,8	4,0	5,0	5,6	6,3	—		—	N/A
400	2,0	4,0	5,6	8,0	10,0	11,2	12,6	—	—		N/A
500	1,3	2,5	3,6	5,0	6,3	7,1	8,0		—	—	N/A
500	1,3	2,5	3,6	5,0	6,3	7,1	8,0	—		—	N/A
500	2,6	5,0	7,2	10,0	12,6	14,2	16,0	—	—		N/A
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0		—	—	N/A
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	—		—	N/A

IEC 60335-2-9											
Clause	Requirement + Test							Result - Remark			Verdict
>630 and ≤800	3,6	6,4	9,0	12,6	16,0	18,0	20,0	—	—		N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5		—	—	N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	—		—	N/A
>800 and ≤1000	4,8	8,0	11,2	16,0	20,0	22,0	25,0	—	—		N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0		—	—	N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	—		—	N/A
>1000 and ≤1250	6,4	10,0	14,2	20,0	25,0	28,0	32,0	—	—		N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0		—	—	N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	—		—	N/A
>1250 and ≤1600	8,4	12,6	18,0	25,0	32,0	36,0	40,0	—	—		N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0		—	—	N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	—		—	N/A
>1600 and ≤2000	11,2	16,0	22,0	32,0	40,0	44,0	50,0	—	—		N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0		—	—	N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	—		—	N/A
>2000 and ≤2500	15,0	20,0	28,0	40,0	50,0	56,0	64,0	—	—		N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0		—	—	N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	—		—	N/A
>2500 and ≤3200	20,0	25,0	36,0	50,0	64,0	72,0	80,0	—	—		N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0		—	—	N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	—		—	N/A
>3200 and ≤4000	25,0	32,0	44,0	64,0	80,0	90,0	100,0	—	—		N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0		—	—	N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	—		—	N/A
>4000 and ≤5000	32,0	40,0	56,0	80,0	100,0	112,0	126,0	—	—		N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0		—	—	N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	—		—	N/A
>5000 and ≤6300	40,0	50,0	72,0	100,0	126,0	142,0	160,0	—	—		N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0		—	—	N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	—		—	N/A
>6300 and ≤8000	50,0	64,0	90,0	126,0	160,0	180,0	200,0	—	—		N/A
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0		—	—	N/A
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	—		—	N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

>8000 and ≤10000	64,0	80,0	112,0	160,0	200,0	220,0	250,0	—	—		N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0		—	—	N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	—		—	N/A
>10000 and ≤12500	80,0	100,0	142,0	200,0	250,0	280,0	320,0	—	—		N/A

Supplementary information:

***) Material group IIIb is allowed if the working voltage does not exceed 50 V**

****) B = Basic insulation, S = Supplementary insulation, R = Reinforced insulation**

29.2	**TABLE: Creepage distances, functional insulation**							P
Working voltage (V)	**Creepage distance (mm) Pollution degree**							
	1	**2**			**3**			
		Material group			**Material group**			
		I	**II**	**IIIa/IIIb**	**I**	**II**	**IIIa/IIIb***	**Verdict / Remark**
≤10	0,08	0,4	0,4	0,4	1,0	1,0	1,0	N/A
50	0,16	0,56	0,8	1,1	1,4	1,6	1,8	N/A
125	0,25	0,71	1,0	1,4	1,8	2,0	2,2	N/A
250	0,42	1,0	1,4	2,0	2,5	2,8	**3,2**	P / 3,4mm
400	0,75	1,6	2,2	3,2	4,0	4,5	5,0	N/A
500	1,0	2,0	2,8	4,0	5,0	5,6	6,3	N/A
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	N/A
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	N/A

IEC 60335-2-9			
Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:

***) Material group IIIb is allowed if the working voltage does not exceed 50 V**

30.1	**TABLE: Ball Pressure Test of Thermoplastics**		P
Allowed impression diameter (mm) .....:		2,0	—
Object/ Part No./ Material	**Manufacturer/ trademark**	**Test temperature (°C)**	**Impression diameter (mm)**
Main base			
Power cord clamp (PA66-G30)	Kingfa Sci & Tech Co Ltd	80	0,5
Crisping Lid			
Air vent (1340#)	Kotec Corp	136	0,8
Supplementary information:			

30.2	**TABLE: Resistance to heat and fire - Glow wire tests**							P
Object/ Part No./ Material	**Manufacturer / trademark**	**Glow wire test (GWT); (°C)**						**Verdict**
		550	**650**		**750**		**850**	
			te	**ti**	**te**	**ti**		
Crisping Lid								
Sleeve for thermal fuse (alternative)	Sin Tiong Wah Electric Products (Shenzhen) Co Ltd	x	-	-	0	0	x	P
Object/ Part No./ Material	**Manufacturer / trademark**	**Glow-wire flammability index (GWFI), °C**				**GW ignition temp. (GWIT), °C**		**Verdict**
		550	**650**	**750**	**850**	**675**	**775**	
-	-	-	-	-	-	-	-	N/A
The test specimen passed the glow wire test (GWT) with no ignition [(t_e – t_i) ≤ 2s] (Yes/No):								Yes
If no, then surrounding parts passed the needle-flame test of annex E (Yes/No) ..... :								N/A
The test specimen passed the test by virtue of most of the flaming material being withdrawn with the glow-wire (Yes/No)?.....:								Yes
Ignition of the specified layer placed underneath the test specimen (Yes/No) .....:								No
Supplementary information: - 550 °C GWT not relevant (or applicable) to parts of material classified at least HB40 or if relevant HBF - The GWIT pre-selection option, the 850 °C GWFI pre-selection option, and the 850 °C GWT are not relevant (or applicable) for attended appliances								

List of test equipment used:

A completed list of used test equipment shall be provided in the Test Reports when a Customer's Testing Facility according to CTF stage 1 or CTF stage 2 procedure has been used.
Note: This page may be removed when CTF stage 1 or CTF stage 2 are not used. See also clause 4.8 in OD 2020 for more details.

Clause	Measurement / testing	Testing / measuring equipment / material used, (Equipment ID)	Range used	Last Calibration date	Calibration due date

Statement of Measurement Uncertainty

The Test Report shall include a statement concerning the uncertainty of the measurement systems used for the tests conducted when it is required by the standard, client or other authorities.
In such cases, the table below is to be used for reporting U of M.

This page may be removed from the final Test Report when not required. See also clause 4.8 in OD 2020 for more details.

Clause #	Parameter/ Measurement / test method	Requirement % or k	Calculated U of M*

*Note: Calculations leading to the reported value are on file with the NCB

Appendix - 2

Appendix - 2

PHOTOGRAPH ATTACHMENT

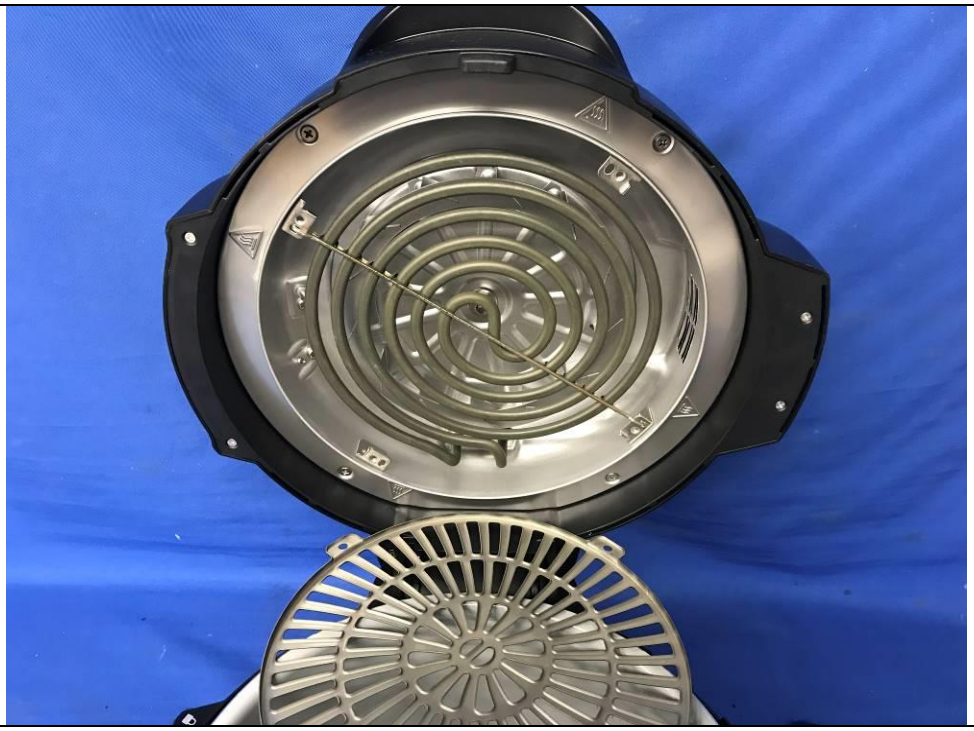


Fig:[1] View of Top Heater with Heater Cover Removed

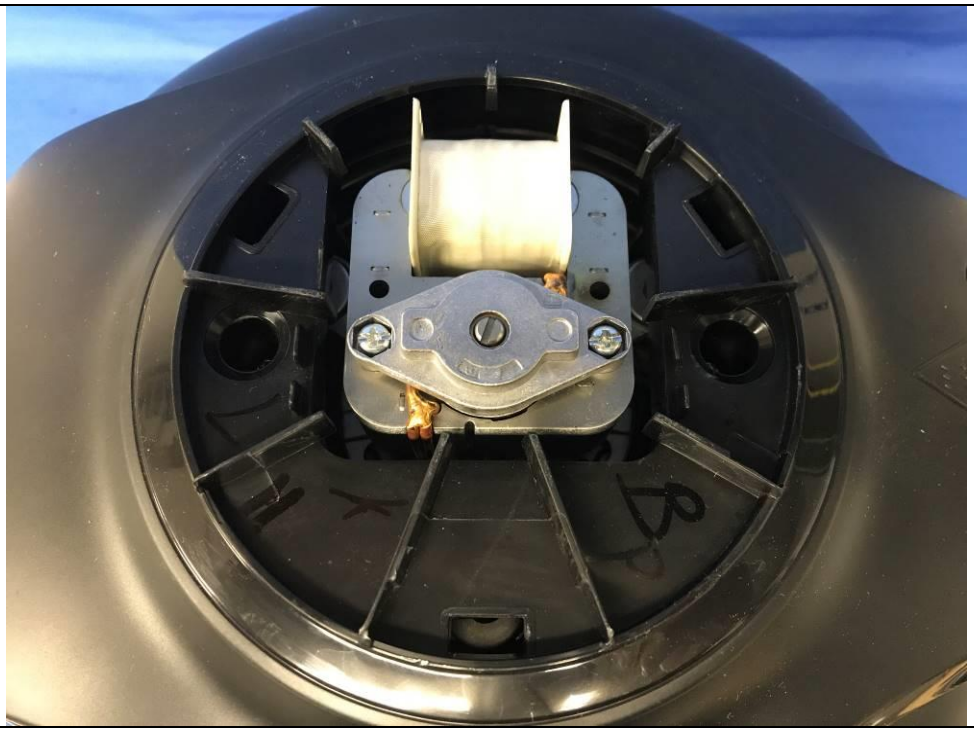


Fig:[2] View of Air Fryer Lid with Top Cover Removed

Appendix - 2

PHOTOGRAPH ATTACHMENT

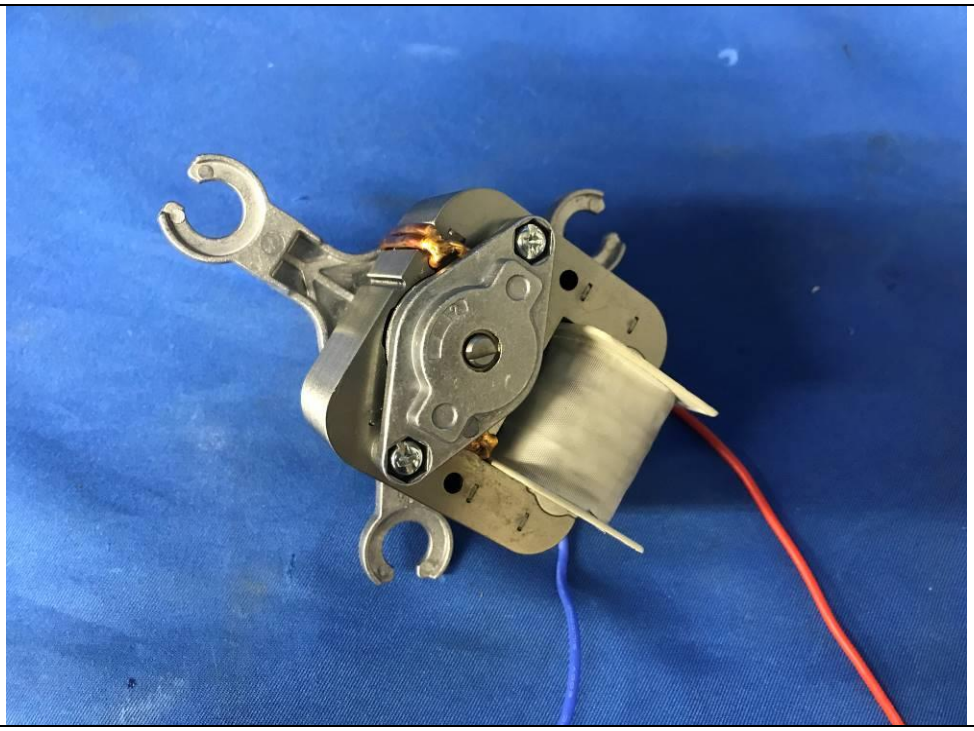


Fig:[3] View of Fan Motor (Alternative, model number YL61/300L)

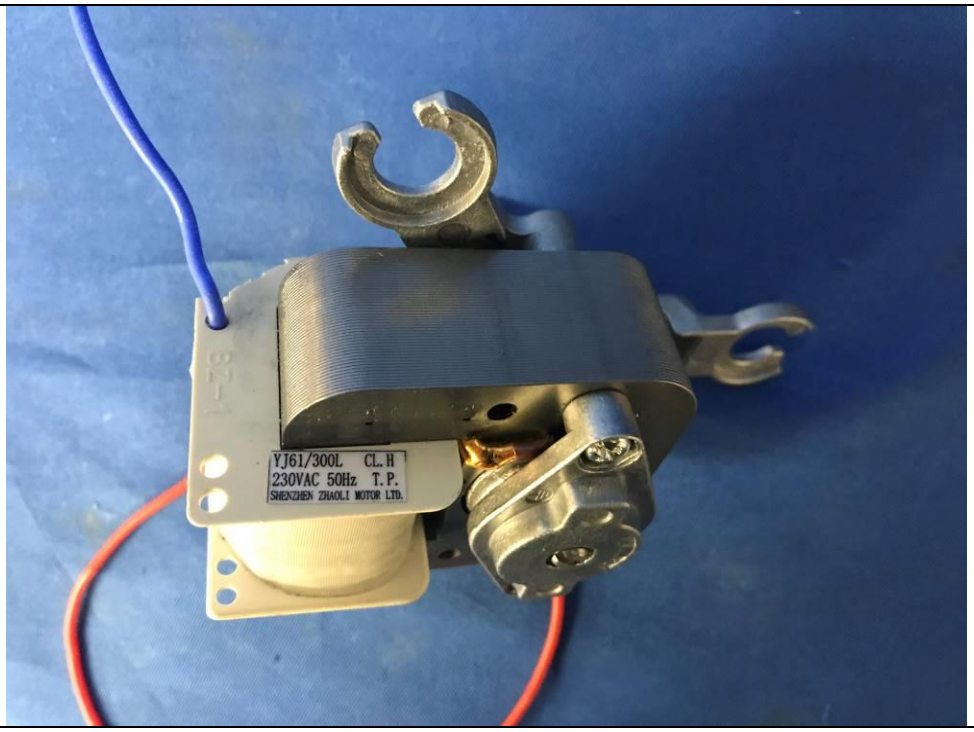


Fig:[4] View of Fan Motor (Alternative, model number YL61/300L)

Appendix - 2

PHOTOGRAPH ATTACHMENT

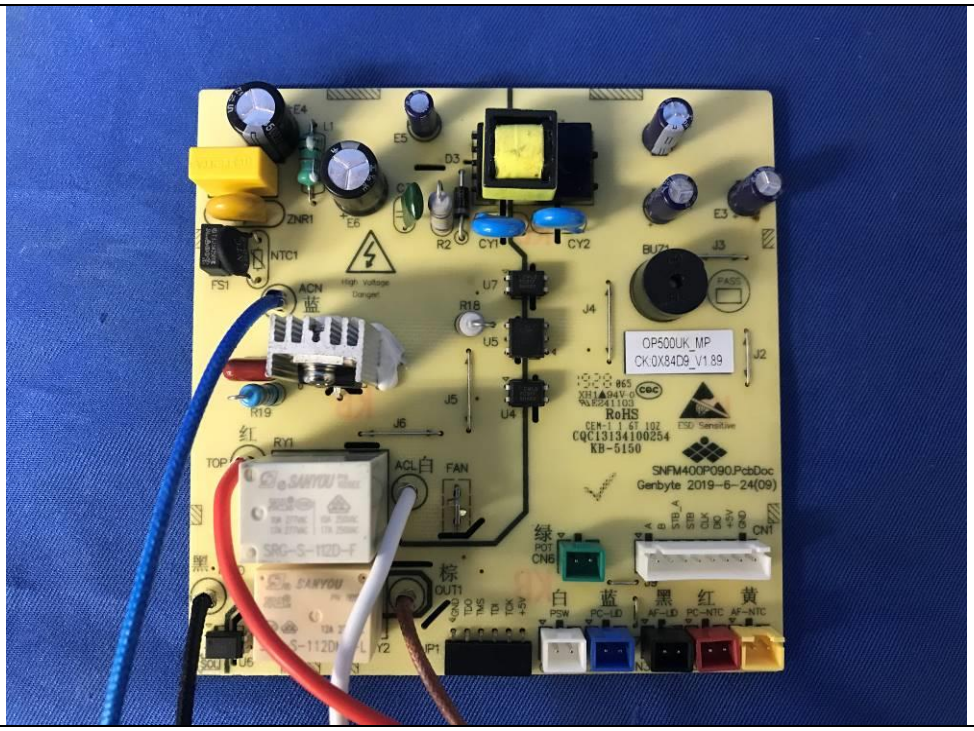


Fig:[5] Alternative Power PCBA (Reed Switch Construction)

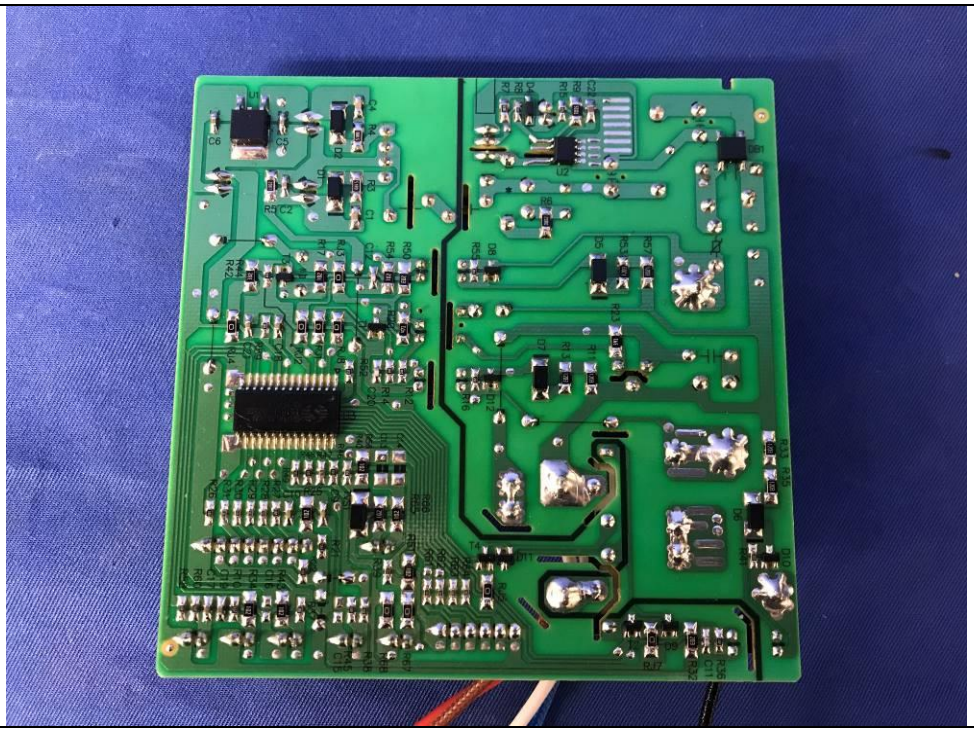


Fig:[6] Alternative Power PCBA (Reed Switch Construction)

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

Appendix 4

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60335-2-9
EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

Household and similar electrical appliances – Safety –
Part 2-9: Particular requirements for grills, toasters and similar cooking appliances

Differences according to:	EN 60335-2-9:2003 + A1:2004 + A2:2006 + A12:2007 +A13:2010+corrigendum to A13:2011 + corrigendum to A13:2012 IEC 60335-2-9:2002 (Fifth edition) + A1:2004 + A2:2006
Attachment Form No.:	N/A
Attachment Originator:	N/A
Master Attachment:	N/A

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	CENELEC COMMON MODIFICATIONS		
11.1	For ovens, rotary grills, rotisseries and cookers, compliance is also checked by the test of 11.Z101. (EN 60335-2-9)		N/A
	For contact grills, waffle irons, sandwich makers, radiant grills, raclette grills, griddles, barbecues, hot plates, candy floss, popcorn makers, compliance is also checked by the test of 11.Z102.(EN 60335-2-9)		N/A
	For breadmakers and food dehydrators, compliance is also checked by the test of 11.Z103. ..... (EN 60335-2-9)		N/A
	For toasters, compliance is also checked by test of 11.Z104. ..... (EN 60335-2-9)		N/A
	For roasters, compliance is also checked by test of 11.Z105. ..... (EN 60335-2-9)	(see appended table)	P
	For all other types of appliances, compliance is checked by submitting the appliance to the tests of the nearest mentioned relevant type of appliance. (EN 60335-2-9)		N/A
11.3	For flat surfaces, temperature rises are measured using the probe of figure Z101(or any measuring instrument giving the same results), applied with a force of 4 N ± 1 N. ..... (EN 60335-2-9)		N/A
11.Z101	Ovens, rotary grills, rotisseries and cookers are supplied at rated power and operated under normal operation. (EN 60335-2-9)		N/A
	All heating units that can be connected to the supply mains at the same time during normal use are switched on. ..... (EN 60335-2-9)		N/A
	Ovens are operated without accessories (EN 60335-2-9)		N/A
	Temperature rise of the surfaces not exceeding the values of table Z101 (EN 60335-2-9)		N/A
11.Z102	For contact grills, waffle irons, sandwich makers, radiant grills, raclette grills and griddles, barbecues, hot plates, candy floss, popcorn makers, the temperature rise limits in Table Z101 apply. The appliance is supplied at rated power and operated under normal operation. (EN 60335-2-9)		N/A
11.Z103	For breadmakers, the temperature rise limits for other surfaces in table Z101 apply. (EN 60335-2-9)		N/A
	For breadmakers and food dehydrators, the temperature rise limits in Table Z101 apply. The appliance is supplied at rated power and operated under normal operation. (EN 60335-2-9)		N/A

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
11.Z104	For toasters, the temperature rise limits in Table Z101 apply. The appliance is operated for three cycles at rated power and operated under normal operation. (EN 60335-2-9)		N/A
11.Z105	For roasters, the temperature rise limits in Table Z101 apply. The appliance is supplied at rated power and operated under normal operation. (EN 60335-2-9)		P

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

EN 60335-2-9 /A12

11.Z101	TABLE: Temperature rise limits for surfaces		
	Ambient (°C):		-
	Test voltage (V):		-
		dT (K)	Max. dT (K)
Top surfaces and doors surfaces		—	—
Metal and painted metal		-	85
Vitreous-enamelled metal		-	95
Glass and ceramic		-	95
Plastic having a thickness exceeding 0,3mm		-	105
Other surfaces			—
Metal and painted metal		-	60
Vitreous-enamelled metal		-	65
Glass and ceramic		-	65
Plastic having a thickness exceeding 0,3mm		-	80

EN 60335-2-9 /A13

11.Z101	TABLE: Temperature rise limits for surfaces		
	Ambient (°C):		21,9°C
	Test voltage (V):		234V
		dT (K)	Max. dT (K)
Bare metal		42,7	45
Coated metal		-	55
Glass and ceramic		-	60
Plastic and plastic coating > 0,3 mm c		31,1	65

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
IEC 60335-2-9:2002 (Fifth edition) + A1:2004 + A2:2006			
11	HEATING		-
11.1	Compliance for toasters is also checked by the test of 11.101 (IEC 60335-2-9)		N/A
11.2	Radiant grills and raclette grills that are loaded from the front, rotary grills, ovens, breadmakers, cookers and hotplates are placed with their backs as near as possible to one of the walls of the test corner and away from the other wall ..... (IEC 60335-2-9)		N/A
11.3	If magnetic field of an induction hotplate unduly influences the results, temperature rises can be determined using platinum resistances or equivalent means (IEC 60335-2-9)		N/A
11.4	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, the test is repeated with the appliance supplied at 1,06 times rated voltage ..... (IEC 60335-2-9)		N/A
11.7	Tests carried out in compliance with the paragraphs N° 1 to 11 (IEC 60335-2-9)		P
11.8	For radiant grills, rotary grills, raclette grills, hotplates and cookers, instead of 65 K, the temperature rise of the wall of the test corner shall not exceed 75 K. (IEC 60335-2-9)		N/A
	When an appliance connector incorporates a thermostat, the temperature rise limit for the pins of the inlet does not apply (IEC 60335-2-9)		N/A
	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 60335-2-9)		N/A
	Cheese used in sandwich toasting attachments doesn't flow into places where it can give rise to a hazard, such as reducing clearances or creepage distances below the values specified in Clause 29 (IEC 60335-2-9).		N/A

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
11.101	The toaster in which the bread is inserted through the top are operated for three cycles under normal operation at rated power input. (IEC 60335-2-9).		N/A
	The temperature rise of accessible surfaces of metallic sides that are at a height lower than 25mm below the top surface shall not exceed 90K (IEC 60335-2-9).		N/A

IEC60335_1X – ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict

Appendix 5

IEC60335_1X – ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60335-1 (AUSTRALIA / NEW ZEALAND) NATIONAL DIFFERENCES

(Household and similar electrical appliances – Safety – Part 1: GENERAL REQUIREMENTS)

Differences according to .....:	AS/NZS 60335.1:2011 + A1:2012 + A2:2014 + A3:2015 + A4:2017 + A5:2019
Attachment Form No.....:	IEC60335_1X
Attachment Originator .....:	NZ Electrotechnical Committee/Standards New Zealand
Master Attachment.....:	Date 2016-10-04

	National Differences		-
5	**GENERAL CONDITIONS FOR THE TESTS**		-
5.8.1	Variation: Test at a.c. 50Hz for a.c. only appliance (AS/NZS 60335.1:2011)		P
	Variation: Test at a.c. 50Hz or d.c., whichever is the more unfavourable supply for a.c. and d.c. appliance (AS/NZS 60335.1:2011)		N/A
6	**CLASSIFICATION**		-
6.1	Variation: Protection against electric shock: Class I, II, III (AS/NZS 60335.1:2011)	Class I	P
7	**MARKING AND INSTRUCTIONS**		-
7.1	After the first paragraph of the requirement insert the following variation:		-
	Appliances intended for connection to the supply mains, other than class III appliances, are be marked with:		-
	- a rated voltage of at least: 230 V for single-phase appliances; 400 V for poly-phase appliances; or		P
	- a rated voltage range that includes: 230 V for single-phase appliances; 400 V for poly-phase appliances. (AS/NZS 60335.1:2011)		N/A
	For appliance outlets and socket outlets accessible to the user		N/A
	- that are incorporated in appliances connected to the supply mains; and		N/A

IEC60335_1X – ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	- that operate at rated voltage;		N/A
	The appliances shall be marked with their maximum outlet load in Watts. (AS/NZS 60335.1:2011/A3:2015)		N/A
	Max. Outlet load (W)……:		-
7.13	Replace the requirement with the following variation:		-
	Instructions and other text required by this standard are written in English. (AS/NZS 60335.1:2011)		P
7.15	After the last paragraph of the requirement insert the following variation:		-
	The marking of the maximum outlet load is close to the appliance outlet or socket outlet. (AS/NZS 60335.1:2011/A3:2015)		N/A
10	**POWER INPUT AND CURRENT**		-
10.1	After the last paragraph of the test specification insert the following variation:		-
	Appliance outlets and socket outlets accessible to the user		N/A
	- that are incorporated in appliances connected to the supply mains; and		N/A
	- that operate at rated voltage;		N/A
	are not loaded during the test, however their contribution to the power input is considered to be the marked outlet load per appliance outlet or socket-outlet. (AS/NZS 60335.1:2011/A3:2015)		N/A
11	**HEATING**		-
11.7	After the first paragraph of the test specification insert the following variation:		-
	Appliance outlets and socket outlets accessible to the user are loaded with a resistive load that gives the marked outlet load in watts. (AS/NZS 60335.1:2011/A3:2015)		N/A
11.8	After the first paragraph of the test specification insert the following variation:		-
	The pins of plug connectors inserted into appliance outlets accessible to the user and plugs inserted into socket outlets accessible to the user has a temperature rise not exceeding 45 K. (AS/NZS 60335.1:2011/A3:2015)		N/A
	Temperature rise (K)……...……:		-
19	**ABNORMAL OPERATION**		-
19.13	After the seventh paragraph of the test specification insert the following variation:		-

IEC60335_1X – ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	During and after the tests the no-load output voltage of an accessible safety extra-low voltage outlet or connector shall not have increased by more than 3 V or 10% of its no-load output voltage in normal use, whichever is higher. (AS/NZS 60335.1:2011/A5:2019)		N/A
	Voltage normal use (V)……...:		-
	Voltage abnormal operation (V)……:		-
	Deviation (%)……:		-
	During and after the tests the no-load output voltage of a USB outlet shall not increase by more than 3 V or 10% of its no-load output voltage in normal use, whichever is higher. (AS/NZS 60335.1:2011/A5:2019)		N/A
	Voltage normal use (V)……...:		-
	Voltage abnormal operation (V)……:		-
	Deviation (%)……:		-
22	**CONSTRUCTION**		-
22.2	After the first paragraph of the requirement insert the following variation:		-
	For stationary appliances permanently connected to the fixed wiring, compliance with this requirement is considered to be met if the instruction concerning disconnection incorporated in the fixed wiring is in accordance with AS/NZS 3000. (AS/NZS 60335.1:2011/A3:2015)		N/A
22.3	Replace the first paragraph of the test specification with the following variation:		-
	Compliance is checked by inserting the pins of the appliance into a socket-outlet capable of accepting a plug complying with Figure 2.1(a) of AS/NZS 3112. (AS/NZS 60335.1:2011)		N/A
	The socket-outlet has a horizontal pivot at a distance of 8 mm behind the engagement face of the socket-outlet and in the plane of the lower intersection of the centre lines of the contact apertures. (AS/NZS 60335.1:2011)		N/A
	Replace the third, fourth and fifth paragraphs of the test specification with the following variation:		-
	A new sample of the appliance complies with the tests in 2.13.9.2 of AS/NZS 3112 (AS/NZS 60335.1:2011)		N/A
22.201	Appliances having integral pins for insertion into socket outlets comply with the appropriate requirements in Annex J of AS/NZS 3112.		N/A

IEC60335_1X – ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	Compliance is checked as specified in Annex J of AS/NZS 3112 (AS/NZS 60335.1:2011)		N/A
22.202	Appliance outlets and socket outlets accessible to the user		N/A
	- that are incorporated in appliances connected to the supply mains; and		N/A
	- that operate at rated voltage		N/A
	Shall be single-phase and have a current rating not exceeding 16 A. (AS/NZS 60335.1:2011/A3:2015)		N/A
	The socket outlets comply with AS/NZS 3112; (AS/NZS 60335.1:2011/A3:2015)		N/A
	accept a 3-pin, flat-pin plug as described in figure 2.1(a1) of AS/NZS 3112 (AS/NZS 60335.1:2011/A3:2015)		N/A
	The appliance outlets and socket outlets shall be protected by one of the following protection devices that has a current rating not exceeding the current rating of the appliance outlet or socket-outlet:		N/A
	- a circuit breaker for equipment complying with IEC 60934; (AS/NZS 60335.1:2011/A3:2015)		N/A
	- a manually resettable trip-free or cycling trip-free overcurrent protection device; (AS/NZS 60335.1:2011/A3:2015)		N/A
	- a non-user replaceable fuse-link.		N/A
	Current of outlet (A)……:		-
	Current of protection device (A)……:		-
	The protection device shall be placed behind a non-detachable cover.		N/A
	The actuating member of the circuit breaker and the manually resettable protection device may be accessible. (AS/NZS 60335.1:2011/A3:2015)		N/A
	The current rating of the appliance outlets and socket outlets is obtained from the marked outlet load in watts divided by the rated voltage.		N/A
	Load of outlet (W)……...……:		-
	Rated voltage (V)……:		-
	Current of outlet (A)……:		-
	For a manually resettable trip-free or cycling trip-free overcurrent protection device:		N/A

IEC60335_1X – ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
	The device is operated at rated voltage at 136% of its current rating, in an ambient temperature of 23°C ± 2°C in a draught-free environment.		N/A
	Rated voltage (V)……..:		-
	Current of outlet (A)……..:		-
	Test current (A)……..……..……..:		-
	Ambient temperature (°C)…..…..……..……..:		-
	The device operates to interrupt the current within 2 h. (AS/NZS 60335.1:2011/A3:2015)		N/A
	Overload condition existed for (_h,_min, _sec)…..:		-
	The device is operated at rated voltage at 600% of its current rating in an ambient temperature of 23°C ± 2°C in a draught-free environment		N/A
	Rated voltage (V)……..:		-
	Current of outlet (A)……..:		-
	Test current (A)……..……..……..:		-
	Ambient temperature (°C)…..…..……..……..:		-
	The device shall operate to interrupt the current within 5 s. (AS/NZS 60335.1:2011/A3:2015)		N/A
	Overload condition existed for (sec)……....:		-
	Immediately following the overcurrent tests, the test of clause 16.3 is applied, and the device shall comply with the specified requirements of the test.		N/A
	The device shall comply with the ball pressure test of 30.1 carried out at 160 °C. (AS/NZS 60335.1:2011/A3:2015)		N/A
	Plastic material type……..:		-
	Impression diameter (mm)…….……..:		-
	The device shall comply with the glow-wire test of 30.2.3.1 with a test severity of 960 °C. (AS/NZS 60335.1:2011/A3:2015)		N/A
	Plastic material type……..……..:		-
	Time of ignition (sec)……..……..:		-
	Time of extinguish (sec)……..……..:		-
	Specified layer placed underneath the test specimen does not ignite. (AS/NZS 60335.1:2011/A3:2015)		N/A
25	**SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CORDS**		-

IEC60335_1X – ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
25.1	Supply cords for single-phase portable appliances intended for direct connection to the supply mains, are fitted with an appropriate plug complying with AS/NZS 3112. (AS/NZS 60335.1:2011)		P
Table 11	In footnote *a insert* the following variation		-
	However, they cannot be used in class I appliances. (AS/NZS 60335.1:2011)		N/A

	SPECIAL NATIONAL CONDITIONS		-
	Australia		**-**
5	**GENERAL CONDITIONS FOR THE TESTS**		-
5.201	For appliances, other than class III appliances, that are intended for connections to the supply mains and that are not marked with:		-
	- a rated voltage of at least 240 V for single-phase appliances and at least 415 V for three-phase appliances, or		P
	- a rated voltage range that includes 240 V for single-phase appliances and 415 V for three-phase appliances,		N/A
	the rated voltage is equal to 240 V for single-phase appliances and 415 V for three phase appliances, (AS/NZS 60335.1:2011)		P
	and the upper limit of the rated voltage range is equal to 240 V for single-phase appliances and 415V for three-phase appliances. (AS/NZS 60335.1:2011)		N/A
	In addition, the rated current or rated power input is equal to the calculated value corresponding to 240 V for single-phase appliances and 415 V for three-phase appliances as appropriate (AS/NZS 60335.1:2011)		P
24	**COMPONENTS**		-
24.1.7	Variation: Telecommunication interface circuitry must comply with the Telecom Labeling Notice issued under the Telecommunications Act instead of IEC 62151 (AS/NZS 60335.1:2011)		N/A

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

Appendix 6

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60335-2-9 (AUSTRALIA / NEW ZEALAND) NATIONAL DIFFERENCES

Safety of household and similar electrical appliances
Part 2-9: Particular requirements for grills, toasters and similar cooking appliances
Part 2-15: Particular requirements for appliances for heating liquids

Differences according to.....:	AS/NZS 60335.2.9: 2014 + A1 + A2 + A3 AS/NZS 60335.2.15: 2013 + A1 + A2 + A3 + A4
Attachment Form No.....:	N/A
Attachment Originator.....:	N/A
Master Attachment.....:	N/A

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

AS/NZS 60335.2.9: 2014 + A1 + A2 + A3			
7	MARKING AND INSTRUCTIONS		-
7.1 Part 2.9 AS/NZS	Toasters marked with substance of specified text "The bread may burn, therefore do not use the toaster near or below combustible material, such as curtains. The toaster should be attended when in use." (60335.2.9)		N/A
7.12 Part 2.9 AS/NZS	If symbol IEC 60417-5041 (2002-10) is marked on appliances, its meaning shall be explained (60335.2.9)		N/A
7.15 Part 2.9 AS/NZS	The marking relating to toasters shall be		-
	- for toasters fitted with a supply cord, permanently attached to the supply cord or be permanently marked on the outside of the appliance; (60335.2.9)		N/A
	- for toasters provided with an appliance inlet, permanently marked on the appliance inlet or be permanently marked on the outside of the appliance near the appliance inlet. (60335.2.9)		N/A
7.101 Part 2.9 AS/NZS	The cooking zone of hot plates shall be identified by appropriate marking unless it is obvious. (60335.2.9)		N/A
11	HEATING		-
11.1	For all other types of appliances, compliance is checked by submitting the appliance to the tests of the nearest mentioned relevant type of appliance. (60335.2.9)		N/A
11.103 Part 2.9 AS/NZS	Induction hotplates and induction wok hotplates are operated at rated voltage instead of rated power input. (60335.2.9)		N/A
11.104 Part 2.9 AS/NZS	Breadmakers, pop-corn makers and food dehydrators are placed as specified in 11.2 and operated under normal operation. Pop-corn makers and food dehydrators are supplied at rated power input and breadmakers are supplied at rated voltage. (60335.2.9)		N/A
19	ABNORMAL OPERATION		-
19.1 Part 2.9 AS/NZS	Tests of 19.4 and 19.5 are only applicable to: -breadmakers -contact grills except griddle, -food dehydrators - ovens, roasters, hotplates, cookers, rotary grills if they incorporate a timer or if their instructions indicate a cooking operation longer than 1h (60335.2.9)		P
22	CONSTRUCTION		-

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
22.113 Part 2.9 AS/NZS	Toaster having ejector mechanism constructed so that they switch off automatically after normal toasting time even if ejector mechanism is blocked (60335.2.9)		N/A
	Toasters having ejector mechanism constructed so that they switch off automatically after normal toasting time even if operating lever is held down ; however (60335.2.9)		N/A
	Not applicable if operating lever recessed so as to avoid it being inadvertently held down by vertically moving roller door or the like (60335.2.9)		N/A
	Compliance checked by test as specified:		N/A
	Toaster supplied at rated voltage and ejector mechanism prevented from releasing; at completion of toasting time heating elements disconnected (60335.2.9)		N/A
DOW 30/11/17	For toasters not having recessed operating lever; test repeated with operating lever prevented from releasing; at completion of toasting time heating elements disconnected (60335.2.9:2014/A1)		N/A
DOA 30/11/17	For toasters not having recessed operating lever; test repeated with operating lever in any position that energise the heating element and prevented from releasing; at completion of toasting time heating elements disconnected (60335.2.9:2014/A1)		N/A
	Heating element disconnection by at least all-pole disconnection, micro-disconnection; however		N/A
	Single pole, micro-disconnection allowed, provided heating elements not accessible with test probe 12 of IEC 61032 (60335.2.9)		N/A
25	SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CORDS		-
25.7 Part 2.9 AS/NZS	Supply cords for contact grills shall not be PVC sheathed. (60335.2.9)		N/A

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict

AS/NZS 60335.2.15: 2013 + A1 + A2 + A3 + A4			
5	GENERAL CONDITIONS FOR THE TESTS		-
5.2 Part 2.15 AS/NZS	Variation: For kettles having a glass water container ten additional samples are required for the tests of 21.1.		N/A
7	MARKING AND INSTRUCTIONS		
7.1 Part 2.15 AS/NZS	Variation: Kettles fitted with earthed, tubular sheathed heating elements that are immersed in water shall be marked with the following:		N/A
	CAUTION: This kettle should be used with a residual current device (safety switch) to lessen the risk of scalding or other injury from hot water that may be ejected if the heating element ruptures. Disregard this marking if your home is fitted with a residual current device (safety switch)		N/A
7.12 Part 2.15 AS/NZS	Variation: The instructions for kettles shall state the substance of the following. CAUTION: Do not operate the kettle on an inclined plane. Do not operate the kettle unless the element is fully immersed. Do not move while the kettle is switched on.		N/A
	Variation: The instructions for appliances with enclosures made from polycarbonate material shall state the substance of the following. CAUTION: To prevent damage to the appliance do not use alkaline cleaning agents when cleaning, use a soft cloth and a mild detergent.		N/A
7.14 Part 2.15 AS/NZS	Variation: In the cautionary marking relating to kettles, the CAPITAL lettering shall have a height of at least 3 mm.		N/A
	CAPITAL lettering height (mm)……:		N/A
7.15 Part 2.15 AS/NZS	Variation: The marking relating to kettles fitted with earthed, tubular sheathed heating elements that are immersed in water shall:		N/A
	be on a removable tag attached to the kettle, or;		N/A
	for kettles fitted with a supply cord, it may be permanently marked on the outside of the appliance so that it is visible in normal use; or		N/A

IEC60335_2_9 - ATTACHMENT			
Clause	Requirement - Test	Result - Remark	Verdict
	for kettles fitted with an appliance inlet, it may be permanently marked on the appliance inlet, or be permanently marked on the outside of the appliance near the appliance inlet so that it is visible in normal use.		N/A
21	MECHANICAL STRENGTH		-
21.1 Part 2.15 AS/NZS	Variation: Breakage of glass parts except for glass water containers of kettles is neglected provided that compliance with 8.1, 15.1 and 15.101 is not impaired. The impact energy applied to the glass water container of kettles is increased to 1 J. The glass of the glass water container of kettles shall not break.		N/A
22	CONSTRUCTION		-
22.108 Part 2.15 AS/NZS	Replace the third and fourth paragraphs of the test specification by the following variations.		-
	The pressure cooker is then disconnected from the supply and the pressure allowed to decrease until the pressure is 4 kPa. A force of 150 N is applied to the most unfavourable point where the lid or its handle can be gripped. It shall not be possible to remove the lid.		P
	The internal pressure is then gradually reduced, the force of 150 N being maintained. There shall be no hazardous displacement of the lid or of the pressure cooker contents when it is released.		P
22.109 Part 2.15 AS/NZS	Replace the second paragraph of the test specification by the following variation		-
	The pressure cooker is operated under the conditions of Clause 11 with the lid and any seal, or combination of the two, fitted in the most unfavourable position that allows the pressure cooker to operate.		P