



Test Report issued under the responsibility of:
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TEST REPORT
IEC 60335-2-45
Safety of household and similar electrical appliances
Part 2: Particular requirements for portable heating tools

Report Number..... : **200023771UDI-CBS-R01**
Date of issue..... : July 06, 2022
Total number of pages : 11

Name of Testing Laboratory preparing the Report : Intertek Italia S.p.A.

Applicant's name : Orved S.p.a. con Socio Unico
Address..... : Via dell'Artigianato 30, 30024 Musile di Piave (VE) – Italy

Test specification:

Standard : IEC 60335-2-45:2002, AMD1:2008, AMD2:2011 used in conjunction with IEC 60335-1:2010, COR1:2010, COR2:2011, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016
Test procedure : CB Scheme
Non-standard test method : N/A

Test Report Form No. : IEC60335_2_45J
Test Report Form(s) Originator : LCIE
Master TRF : Dated 2018-10-04

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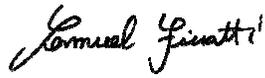
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Test item description :	Vacuum chamber packaging machines	
Trade Mark :	Orved, Electrolux, Dito Sama	
Manufacturer	As applicant	
Model/Type reference	220MC001T1BL084-02008 220MC001T1BL084-01008 220MC001T1BL084-02016 220MC001T1BL084-01016 220MC001T1BL084-02020 220MC001T1BL084-01012 220MC001T1BL084-02010 220MC001T1BL084-01020 220MC001T1BL084-02020 220MC001T1BU084-01012 220MC001T1BU084-02010 220MC001T1BU084-01020 220MC001T1BU084-02020	
Ratings	220MC001T1BL084-02008: 220-240 V; 50/60; 500W. 220MC001T1BL084-01008: 220-240 V; 50/60; 600W. 220MC001T1BL084-02016: 220-240 V; 50/60; 600W. 220MC001T1BL084-01016: 220-240 V; 50/60; 800W. 220MC001T1BL084-02020: 220-240 V; 50/60; 1200W. 220MC001T1BL084-01012: 220-240 V; 50/60; 700W. 220MC001T1BL084-02010: 220-240 V; 50/60; 600W. 220MC001T1BL084-01020: 220-240 V; 50/60; 900W. 220MC001T1BL084-02020: 220-240 V; 50/60; 1200W. 220MC001T1BU084-01012: 220-240 V; 50/60; 700W. 220MC001T1BU084-02010: 220-240 V; 50/60; 600W. 220MC001T1BU084-01020: 220-240 V; 50/60; 900W. 220MC001T1BU084-02020: 220-240 V; 50/60; 1200W.	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/> CB Testing Laboratory:		
Testing location/ address :	Intertek Italia S.p.A. Registered Office: Via Miglioli, 2/A – 20063 Cernusco sul Naviglio (MI) - Italy Operative Office: Via Principe di Udine, 114 – 33030 Campofornido (UD) - Italy	
Tested by (name, function, signature) :	Samuel Finatti (Junior Project Engineer)	
Approved by (name, function, signature) :	Michele Buttazoni (Team Leader)	

<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address.....:		
Tested by (name, function, signature).....:		
Approved by (name, function, signature)....:		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address.....:		
Tested by (name + signature)		
Witnessed by (name, function, signature) .:		
Approved by (name, function, signature)....:		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	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) :		

<p>List of Attachments (including a total number of pages in each attachment): Photos: page 11</p>	
<p>Summary of testing: This Amendment Report shall be read with the original CB Test Report No. 200023771UDI-CBS.</p>	
<p>Tests performed (name of test and test clause): None</p>	<p>Testing location: Intertek Italia S.p.a. Via Principe di Udine, 114 33030 Campoformido (UD), Italy</p>
<p>Summary of compliance with National Differences (List of countries addressed): European Group, South Africa, Australia/New Zealand National differences, Saudi Arabia, United Arab Emirates, Malaysia</p>	

Copy of marking plate:

Example of 220MC001T1BL084-02008:



ORVED S.P.A.
VIA DELL'ARTIGIANATO, 30 (30024)
MUSILE DI PIAVE -ITALIA
WWW.ORVED.IT

MODEL: IDEA30 -BUSCH PB0008C

VOLTAGE: 220-240V 50/60Hz

POWER: 500W

TYPE REF: 220MC001T1BL084-02008



MADE IN ITALY

Fa.-Nr: 2051
P001764



SERIAL No. ITD300000000

IEC 60335-2-45			
Clause	Requirement - Test	Result - Remark	Verdict
Test item particulars :			
Classification of installation and use : Indoor use, Class I			
Supply Connection..... : Cord connected, Type Y			
Possible test case verdicts:			
- test case does not apply to the test object..... : N/A			
- test object does meet the requirement			
- test object does not meet the requirement			
Testing :			
Date of receipt of test item : May 12, 2022			
Date (s) of performance of tests..... : -			
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 <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.			
Manufacturer's Declaration per sub-clause 4.2.5 of IEC 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:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable	
When differences exist; they shall be identified in the General product information section.			
Name and address of factory (ies)..... : Orved S.p.A. con Socio Unico Via dell'Artigianato 30, 30024 Musile di Piave (VE), Italy			

IEC 60335-2-45			
Clause	Requirement - Test	Result - Remark	Verdict

General product information and other remarks:

Original CB Test Report dated June 14, 2021.

Machines are built for vacuum packing of liquid and solid foodstuffs, intended for vacuum preservation or cooking. They are designed for professional use.

Models differs for external dimensions, pump and motor. Models with suffix HI-LINE use a different PCB with a touch control display.

Below the conversion table from Old Models reference to New Model reference:

Codes Conversion		
Codes	Old Model/ Type Reference	New Model/ Type Reference
P001764	IDEA30 BUSCH PB0008C	220MC001T1BL084-02008
P001924	IDEA30 DVP LB8XXL	220MC001T1BL084-01008
P001840	IDEA40 BUSCH KB0016E	220MC001T1BL084-02016
P003003-00	IDEA40 -BUSCH KB0020D	220MC001T1BL084-02020
P001927	IDEA40 DVP MD16	220MC001T1BL084-01016
P001766	IDEA31 DVP LC12	220MC001T1BL084-01012
P001925	IDEA31 BUSCH KB0010	220MC001T1BL084-02010
P001768	IDEA41 DVP LC20	220MC001T1BL084-01020
P001928	IDEA41 BUSCH KB0020D	220MC001T1BL084-02020
P001926	IDEA32 HI-LINE DVP LC12	220MC001T1BU084-01012
P001767	IDEA32 HI-LINE BUSCH KB0010	220MC001T1BU084-02010
P001929	IDEA42 HI-LINE DVP LC20	220MC001T1BU084-01020
P001769	IDEA42 HI-LINE BUSCH KB0020D	220MC001T1BU084-02020

Amendment 1 Report:

This Amendment Report shall be read with the original CB Test Report No. 200023771UDI-CBS. The original Test Report Ref. No. 200023771UDI-CBS, dated June 14, 2021 was modified to add alternatives components in table 24 and to include two new aesthetic version.

Have been added two new trade marks: Electrolux, Dito Sama.

IEC 60335-2-45			
Clause	Requirement - Test	Result - Remark	Verdict
	Tests performed according to clause 5, e.g. nature of supply, sequence of testing, etc.		P
6	CLASSIFICATION		
6.1	Protection against electric shock: Class 0, 0I, I, II, III	Class I	P
	For a class III construction with a detachable power supply part the appliance is classified according to the detachable power supply part		N/A
6.2	Protection against harmful ingress of water		P
7	MARKING AND INSTRUCTIONS		
7.10	Indications of switches on stationary appliances and controls on all appliances by use of figures, letters or other visual means	Each button has a functional representative figure	P
	This applies also to switches which are part of a control		P
	If figures are used, the off position indicated by the figure 0	No off position, appliance has standby symbol	N/A
	The figure 0 indicates only OFF position, unless no confusion with the OFF position		N/A
22	CONSTRUCTION		
22.2	Stationary appliance: means to ensure all-pole disconnection from the supply being provided:		-
	- a supply cord fitted with a plug, or		P
	- a switch complying with 24.3, or		N/A
	- a statement in the instruction sheet that a disconnection incorporated in the fixed wiring is to be provided, or		N/A
	- an appliance inlet		P
	Single-pole switches and single-pole protective devices for the disconnection of heating elements in single-phase, permanently connected class 01 and class I appliances, connected to the phase conductor		N/A
22.14	No ragged or sharp edges creating a hazard for the user in normal use, or during user maintenance		P
	No exposed pointed ends of self-tapping screws or other fasteners, likely to be touched by the user in normal use or during user maintenance		P
22.22	Appliances not containing asbestos		P

IEC 60335-2-45			
Clause	Requirement - Test	Result - Remark	Verdict
22.44	Appliances not having an enclosure that is shaped or decorated like a toy		P
24	COMPONENTS		
24.1	Components comply with safety requirements in relevant IEC standards		P
	List of components	(see appended table)	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
24.1.2	Transformers in associated switch mode power supplies comply with Annex BB of IEC 61558-2-16		P
	Safety isolating transformers complying with IEC 61558-2-6		N/A
	If they have to be tested, they are tested according to Annex G		N/A
25	SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CORDS		
25.1	Appliance not intended for permanent connection to fixed wiring, means for connection to the supply:		-
	- supply cord fitted with a plug, the current rating and voltage rating of the plug being not less than the corresponding ratings of its associated appliance		P
	- an appliance inlet having at least the same degree of protection against moisture as required for the appliance, or		P
	- pins for insertion into socket-outlets		N/A
25.2	Appliance not provided with more than one means of connection to the supply mains		P
	Stationary appliance for multiple supply may be provided with more than one means of connection, provided electric strength test of 1250 V for 1 min between each means of connection causes no breakdown		N/A

IEC 60335-2-45					
Clause	Requirement - Test			Result - Remark	Verdict
24.1	TABLE: Components information				P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Electronic board COD. U084_1 (used on models 220MC001T1BU084-01012, 220MC001T1BU084-02010, 220MC001T1BU084-01020, 220MC001T1BU084-02020)					
Relay RL1, RL2, RL3	Xiamen Hongfa Electroacoustic Co., Ltd	HF14FW	277Vac, 16A	IEC/EN 61810-1	VDE (40023508)
Relay RL1, RL2, RL3 (Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF158F	250Vac, 16A	IEC/EN 61810-1	VDE (40032833)
Relay RL1, RL2, RL3 (Alternative)	Tyco Electronics Austria GmbH	RTS3L	250Vac, 16A	IEC/EN 61810-1	VDE (40007571)
Relay RL1, RL2, RL3 (Alternative)	Tyco Electronics Austria GmbH	RT33L	250Vac, 16A	IEC/EN 61810-1	VDE (40007571)
Relay RL4	OMRON Corporation	G2RL-2	250Vac, 8A	IEC/EN 61810-1	VDE (119650)
Relay RL4 (Alternative)	Panasonic Industry Co., Ltd.	JW Serie	250Vac, 10A	IEC/EN 61810-1	VDE (40013854)
Relay RL4 (Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF115F	250Vac, 8A	IEC/EN 61810-1	VDE (116934)
Relay RL4 (Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF115FK	250Vac, 8A	IEC/EN 61810-1	VDE (116934)
Fuse holder (Alternative)	DELCO SISTEMI SRL	K200V	250Vac, 10A	IEC/EN 60127-1 IEC/EN 60127-6	VDE (40050030)
Fuse	Littelfuse Inc.	217-Serie(s)	250V, 6.3A	IEC/EN 60127-1 IEC/EN 60127-2	VDE (40014645)
Fuse (Alternative)	Bel Fuse Ltd.	5SF6.3A	250V, 6.3A	IEC/EN 60127-1 IEC/EN 60127-2	VDE (40000509)
Fuse (Alternative)	Schurter AG	FST 5x20	250V, 6.3A	IEC/EN 60127-1 IEC/EN 60127-2	VDE (40016093)

IEC 60335-2-45			
Clause	Requirement - Test	Result - Remark	Verdict

Electronic board COD. L084_3 (used on models 220MC001T1BL084-02008, 220MC001T1BL084-01008, 220MC001T1BL084-02016, 220MC001T1BL084-02020, 220MC001T1BL084-01016, 220MC001T1BL084-01012, 220MC001T1BL084-02010, 220MC001T1BL084-01020, 220MC001T1BL084-02020)					
Power supply	Lauma Elettronica S.r.l.	SMR30.10/10 213	Input: 100-240Vac, 50/60Hz Output: 12V, 420mA, 5W	IEC/EN 61558-1 IEC/EN 61558-2-16	TUV Rheinland (R 60138066)
Relay RL1, RL2, RL3	Xiamen Hongfa Electroacoustic Co., Ltd	HF14FW	277Vac, 16A	IEC/EN 61810-1	VDE (40023508)
Relay RL1, RL2, RL3 (Alternative)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF158F	250Vac, 16A	IEC/EN 61810-1	VDE (40032833)
Relay RL1, RL2, RL3 (Alternative)	Tyco Electronics Austria GmbH	RTS3L	250Vac, 16A	IEC/EN 61810-1	VDE (40007571)
Relay RL1, RL2, RL3 (Alternative)	Tyco Electronics Austria GmbH	RT33L	250Vac, 16A	IEC/EN 61810-1	VDE (40007571)
Relay RL4, RL5, RL6	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32FA	250Vac, 5A	IEC/EN 61810-1	VDE (40006182)
Relay RL4, RL5, RL6 (Alternative)	FUJITSU COMPONENT LIMITED	JV Serie	250Vac, 5A	IEC/EN 61810-1	VDE (40016247)
Fuse holder (Alternative)	DELCO SISTEMI SRL	K200V	250Vac, 10A	IEC/EN 60127-1 IEC/EN 60127-6	VDE (40050030)
Fuse	Littelfuse Inc.	217-Serie(s)	250V, 6.3A	IEC/EN 60127-1 IEC/EN 60127-2	VDE (40014645)
Fuse (Alternative)	Bel Fuse Ltd.	5SF6.3A	250V, 6.3A	IEC/EN 60127-1 IEC/EN 60127-2	VDE (40000509)
Fuse (Alternative)	Schurter AG	FST 5x20	250V, 6.3A	IEC/EN 60127-1 IEC/EN 60127-2	VDE (40016093)

IEC 60335-2-45 - ATTACHMENT

Photos

Photos: View of new alternatives aesthetic

