STANDARDS UPDATE NOTICE (SUN)
ISSUED: April 19, 2021

STANDARD INFORMATION

Standard Number: CSA C22.2 No. 61
Standard Name: Household Cooking Ranges
Standard Edition and Issue Date: 9th Edition Dated May 1, 2016
Date of Revision: May 1, 2016 and October 1, 2017
Date of Previous Revision of Standard: January 1, 2012

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **March 31, 2022**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes: These changes include the May 1, 2016 revision, and the October 1, 2017 revision.

- Added and revised many tests
- Adding oven venting requirements
- Added specifying requirements for glass components
- Revised requiring each metal sheathed heater element be controlled by a switch
- Added specifying new markings
- Added requiring minimum Class B requirements for electronic controls.

Specific details of new/revised requirements are found in table below.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.

STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		Additions to existing requirements are underlined and deletions are shown ~~lined out~~ below.
5	Info	**Construction**
5.3	Info	**Venting of ovens**
5.3.2		Built-in ovens shall be vented through the front of the oven unless there is provision for venting by ducts. The oven cavity shall not vent into the cabinet or building structure in which it is mounted.
5.4	Info	**Enclosures for live parts and moving parts**
5.4.4		***New section added;*** **Accessibility of moving parts**
5.4.4.1		Moving parts of an appliance shall be located, baffled or enclosed to reduce the likelihood of personal injury during normal use by complying Clause 5.4.4.2.
5.4.4.2		An opening shall be located to prevent the probe illustrated in Figure 7 from touching any moving parts. The probe shall be applied with the moving parts adjusted to the most unfavorable position within their range of adjustment. If applicable, any belts are to be removed.
5.4.6	Info	**Non-metallic enclosures, supports, and decorative parts**
5.4.6.2		~~Materials having~~ Where polymeric materials use flame-retardant coatings, linings, or coverings ~~to~~ meet ~~the requirements of Clause 7.13~~ flammability rating 5 VA, the combination shall be tested for flame rating 5 VA in accordance with CAN/CSA-C22.2 No. 0.17, and the coatings, linings, or coverings shall comply with the requirements for flame-retardant coatings in CAN/CSA-C22.2 No. 0.17.
5.4.6.3		***New clause added;*** Polymeric enclosures shall comply with the impact test specified in Clause 7.13.1.
5.4.6.4		Decorative parts and those intended for illumination that do not meet the requirements of Clause 5.4.6.1 shall a) not be a support for electrical components; b) not enclose bare, live, or arcing parts; c) not be in contact with incandescent lamps; ~~or~~ and d) ~~be required to meet the flame test in Clause 7.13, but shall not have a burning rate greater than 50 mm/min as determined by ASTM D 635, using samples not thicker than the thinnest section.~~ be of a material that complies with the flammability requirements for HB materials in CAN/CSA-C22.2 No. 0.17.

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5.4.6.5		***New clause added;*** Glass components, other than lamps, shall be a non-shattering or tempered type and comply with the applicable requirements in Clauses 5.4.6.6 and 5.4.6.7.
5.4.6.6		***New clause added;*** Other than a glass cooking surface, glass enclosing live parts shall be reliably secured so that it cannot be readily moved during normal use and shall not be used as a support for any component.
5.4.6.7		***New clause added;*** Glass surfaces shall comply with the requirements of Clause 7.10.
5.6	Info	**Mechanical assembly**
5.6.5		***New clause added;*** A switch, lampholder, receptacle, or similar component shall be secured in position and shall be prevented from rotating by means other than friction between surfaces. Notes: 1) A lampholder of a type in which the lamp cannot be replaced (e.g., a neon pilot or indicator light in which the lamp is sealed in a nonremovable jewel) need not be prevented from turning if rotation does not reduce electrical spacings below the minimum acceptable values or does not damage other internal components such as wiring. 2) A lockwasher is not considered a suitable means for the prevention of rotation of a stem-mounted rotary switch or control.
5.6.6		***New clause added;*** Inner and outer glass panels in an oven door shall be reliably secured so that they cannot be readily moved during normal use.
5.6.7		***New clause added;*** An oven rack shall have a reliable means such as a mechanical stop to prevent inadvertent removal of the rack from its guides.
5.7	Info	**Supply connections**
5.7.2	Info	**Permanently connected appliances**
5.7.2.10		***New section added;*** Where leads are provided for field connection, these leads shall be provided with means for strain relief if stress on the leads may be transmitted to terminals,

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		splices, or internal wiring that can cause the leads to separate from their terminations, or subject them to damage by sharp edges. Leads provided for power supply connection may be brought out through factory installed flexible conduit 0.91–1.80 m long. The free length of a lead inside an outlet box or wiring compartment or extending beyond the end of the factory installed flexible conduit provided shall be a minimum 152 mm long.
5.7.2.11		***New section added;*** If a binding head screw is employed at a field wiring terminal, it shall be not smaller than No. 8 if the supply circuit conductors are No. 14 AWG, and not smaller than No. 10 if the supply circuit conductors are No. 12 or No. 10 AWG. Screws made of steel shall be suitably plated. Note: The terminals of a control may be employed for field wiring connection of supply circuit conductors, provided the terminals comply with the size requirements above.
5.3	Info	**Cord-connected appliances**
5.7.3.4		***New clause added;*** For appliances other than specified in Clause 5.7.3.3, the flexible cord shall be hard usage Type SJ, SJO, SJOO, SJT, SJTO, or SJTOO. Note: A flexible cord of a higher usage rating may be used (e.g., an extra-hard usage Type ST may be substituted for a hard usage Type SJT cord).
5.7.3.7		***New clause added;*** The length of the supply cord shall ~~not exceed~~ be 0.9–1.8 m, measured from the face of the attachment plug to the point of entry into the appliance.
5.8	Info	**Terminal parts and connectors**
5.8.3		Terminals and connectors shall comply with the following: a) CSA C22.2 No. 153 for quick connect terminals; b) CSA C22.2 No. 65 for wire connectors; and c) CSA C22.2 No. 188 for splicing wire connectors.
5.9	Info	**Electrical insulation**
5.9.1		Bare live parts shall be supported on heat-resistant and moisture absorption-resistant insulating material that is suitable for its particular application, ~~in accordance with Clause 5.10.2 and that withstands the most severe conditions likely to be encountered in service~~. complies with the flammability requirements

CLAUSE	VERDICT	COMMENT
		for V-0 materials as specified in CAN/CSA-C22.2 No. 0.17 and that withstands the most severe conditions likely to be encountered in service. Note: Such materials include mica, porcelain, phenolic composition, cold-moulded composition, and certain refractory materials.
5.11		**Current-carrying parts**
5.11.1		~~Current-carrying parts shall have adequate mechanical strength and current-carrying capacity for the service and shall be of metal suitable for the particular application.~~ All current-carrying parts shall be of silver, copper, copper alloy, or other materials that are inherently resistant to corrosion.
5.11.2		~~Except for thermocouple circuits, the electrical circuit of all extra-low-voltage equipment on gas-heated appliances shall be insulated from metal parts of the enclosure.~~ Bare live parts, including terminals, shall be secured so that neither they, nor their supporting means, can be moved to reduce the spacings required by Clause 5.24.
5.12	Info	**Wiring**
5.12.2		***New clause added;*** Insulated internal wiring, including a bonding conductor, shall consist of wire having a flame rating of FT1 and comply with the following: a) CSA C22.2 No. 210; b) CSA C22.2 No. 75; or c) CSA C22.2 No. 38.
5.12.3		***New clause added;*** The requirements in Clause 5.12.2 shall not apply to insulated internal wiring in an extra-low voltage non-safety circuit carrying less than 15 W.
5.13	Info	**5.13 Heating and heater elements**
5.13.1		***New clause added;*** Heater elements shall comply with CSA C22.2 No. 72.
5.14	Info	**Overcurrent protection**
5.14.1		***New clause added;*** Fuses shall comply with CSA C22.2 No. 248.1 and the applicable Part of the CSA C22.2 No. 248 series for the specific fuse type.

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5.14.2		***New clause added;*** Fuseholders shall comply with the following: a) CSA C22.2 No. 39; or b) CAN/CSA-C22.2 No. 4248.1 and the applicable Part of the CAN/CSA-C22.2 No. 4248 series for the specific fuseholder type.
5.14.3		***New clause added;*** Supplementary protectors shall comply with CSA C22.2 No. 235.
5.14.4		***New clause added;*** Circuit breakers shall comply with CSA C22.2 No. 5.
5.14.9		***New clause added;*** A fuseholder intended to accept a 15 A fuse provided for an accessory circuit shall be constructed so that it will not accept a fuse of any higher rating.
5.15		***New section added;*** **Receptacles** Appliances shall not be provided with general purpose receptacles (convenience outlets).
5.16		**Special receptacles** ~~Receptacles other than those covered by Clause 5.16.1 for the connection of heater elements and accessories shall comply with Clauses 5.9, 5.10, 5.12, and 5.25.~~ Special-use receptacles for the connections of heater elements shall comply with the applicable requirements of CSA C22.2 No. 182.3.
5.17	Info	**Lighting equipment**
5.17.1	Info	**Incandescent lighting circuits**
5.17.1.1		***New clause added;*** Incandescent lighting equipment shall comply with CSA C22.2 No. 250.0.
5.17.1.3		***New clause added;*** If the appliance has an identified (neutral) conductor, a lampholder supplied as part of the appliance shall be wired so that the screwshell will be connected in the identified (neutral) conductor circuit.

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5.17.1.5		***New clause added;*** Lamps and lampholders shall be protected from damage either by their location or by provision of a guard. The guard shall be secured so that it is unlikely to be broken or dislodged during normal use.
5.17.2	Info	**Electric-discharge lighting circuits**
5.17.2.3		***New clause added;*** Lamps and lampholders shall be protected from damage as described in Clause 5.17.1.5.
5.18	Info	**Switches and controls**
5.18.13		***New clause added;*** An operating control shall comply with the appliance control requirements of a) CSA C22.2 No. 24; or b) CAN/CSA-E60730-1 and the applicable CAN/CSA-E60730 Part 2 Standard for the type of action (e. g., Type 1 or Type 2) as required in the final application.
5.18.14		***New clause added;*** protective control shall comply with the limit control requirements of a) CSA C22.2 No. 24; or b) CAN/CSA-E60730-1 and CAN/CSA-E60730-2-9 for Type 2 action.
5.18.15		***New clause added;*** Electronic protective controls shall comply with a) CSA No. 24 and minimum Class B requirements of CSA C22.2 No. 0.8; or b) CAN/CSA-E60730-1 and CAN/CSA-E60730-2-9 for Type 2 action, minimum Class B requirements.
5.18.16		***New clause added;*** A temperature sensing positive temperature coefficient (PTC) or negative temperature coefficient (NTC) thermistor performing the same function as an operating control or protective control shall comply with CAN/CSA-E60730-1 and CAN/CSA-E60730-2-9.
5.18.17		***New clause added;*** A thermal cutoff shall comply with CSA No. 209 or CAN/CSA-C22.2 No. 60691.

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5.19		***New section added;*** **Surface element operation** This section contains requirements for surface element operation (see standard for details).
5.20		***New section added;*** **Transformers and power supplies** Tis section contains requirements for transformers and power supplies (see standard for details).
5.21	Info	**Motors and motor protection**
5.21.2		***New clause added;*** Motors shall incorporate thermal or overload protection as part of the appliance.
5.21.3		***New clause added;*** Motor protective devices shall be connected to the ungrounded side of the circuit.
5.21.4		***New clause added;*** The following types of motor-overload protection are considered to comply with the requirements in Clauses 5.21.1 and 5.21.2: a) a thermally protected motor complying with CSA C22.2 No. 77; b) an impedance-protected motor complying with the applicable requirements for locked-rotor protection in CSA C22.2 No. 77. An impedance-protected motor that is subjected to restricted ventilation or to an external source of heat shall be tested in the appliance to determine if it complies with the locked-rotor requirements; or c) an electronically protected motor complying with CSA C22.2 No. 77.
5.23		***New section added;*** **Capacitors**
5.23.1		Capacitors intended for connection directly across the line shall comply with the applicable requirements of CAN/CSA-E60384-14.
5.23.2		Motor starting or running capacitors shall comply with the applicable requirements of CSA C22.2 No. 190.
5.23.3		Motor starting and running capacitors shall be within a separate enclosure made of sheet metal or other suitable material. A separate enclosure is not required if the capacitor is adequately protected against damage by the outer cabinet of the appliance.

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5.24		**Spacings** Entire section has been rewritten (See standard for details).
5.25		***New section added;*** **Separation of circuits** This section contains requirements for separating circuits (see standard for details).
5.26		**Bonding** Entire section has been rewritten (see standard for details).
5.29		***New section added;*** **Adhesives**
5.29.1		An adhesive securing a part that is relied upon to reduce the risk of fire, electric shock or injury to persons shall comply with the requirements for adhesives in Clause 7.21.1.
5.29.2		The requirement in Clause 5.29.1 also applies to an adhesive used to secure: a) a structural part; or b) a conductive part, that may, if loosened or dislodged, i) energize an accessible dead metal part; ii) make a live part accessible; iii) reduce spacings below the minimum acceptable values; or iv) short-circuit live parts.
5.29.3		An adhesive used to secure a load-bearing structural part (such as a metal enclosure to the bottom of a cooktop, oven door glass, or an enclosure panel) shall comply with the requirements for adhesives in Clause 7.21.2.
5.29.4		An adhesive shall be suitable for the application and shall have a temperature rating not less than the maximum temperature to which it might be exposed during normal operation.
5.30		***New section added;*** **Sharp edges**
5.30.1		An enclosure, opening, frame, guard, knob, handle, or the like that is accessible after installation as intended during normal operation, user-maintenance or foreseeable use and handling, shall be free of sharp edges. The rear of a free standing range shall be considered accessible. Accessibility shall be determined as specified in Clause 5.4.3 and 5.4.4.
5.30.2		For a built-in appliance the accessibility from the sides is not evaluated.

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5.30.3		Whenever referee measurements are necessary to determine that an edge of a part is considered as “sharp”, as mentioned in Clause 5.30.1 the method described in UL 1439 shall be employed.
6	Info	**Marking**
6.1		Appliances shall be plainly marked with the following: a) manufacturer’s name, trademark, trade name, or other recognized symbol of identification; b) catalogue, style, or model number, or other type designation; c) rated input voltage; d) frequency in hertz; e) rated input in amperes or watts; f) number of phases, unless for single-phase operation; and g) date code, serial number or equivalent means denoting, at least, month and year of manufacture.
6.11		***New clause added;*** With reference to Clause 7.5.9.4, a grill shall be marked with the word “WARNING” and “AVERTISSEMENT” and the following or equivalent wording: TO REDUCE THE RISK OF IGNITION OF SURROUNDING COMBUSTIBLE MATERIALS, INSTALL ___ MM FROM LEFT SIDEWALL, ___ MM FROM RIGHT SIDEWALL, AND ___ MM FROM REAR WALL. INSTALL IN ACCORDANCE WITH MANUFACTURER’S INSTRUCTIONS. And POUR RÉDUIRE LE RISQUE D'INCENDIE DES MATÉRIAUX COMBUSTIBLES, INSTALLER À ___ MM DU MUR DE GAUCHE, À ___ MM DU MUR DE DROITE ET À ___ MM DU MUR À L’ARRIÈRE. INSTALLER CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT. Note: The dimensions specified in the marking are to be those specified by the manufacturer.
6.15		***New clause added;*** With reference to Clause 7.5.3.5.3.6, a counter mounted cooktop unit to be mounted directly above a built-in oven unit, per the manufacturers’ instructions, shall be marked with the model number(s) of the built-in oven unit(s) for which it may be used in combination with. The associated built-in oven unit(s) shall be provided with a cross reference marking of the counter mounted cooktop unit.

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6.16		***New clause added;*** With reference to Clause 7.5.3.5.2.6, a built-in oven unit to be mounted directly above or adjacent to another built-in oven, per the per manufacturers' instructions unit shall each be marked with the model number(s) of the built-in oven unit(s) for which it may be used in combination with.
6.17		***New clause added;*** With reference to Clause 5.26.3.2, a pressure terminal connector intended for connection of an equipment-bonding conductor shall be identified by being marked "G," "GR," "GND," "Ground," "Grounding," with the grounding symbol illustrated in Figure 5, or a similar marking, or by a marking on the wiring diagram provided on the appliance.
6.18		***New clause added;*** With reference to Clause 7.17.2.4 d), an appliance employing devices to reduce the risk of tipping of the appliance shall be marked with text and illustration as shown in Figure 8 and shall be readily visible during installation. An equivalent marking may be used provided the word "WARNING" and "AVERTISSEMENT" appears on the marking.
6.19		***New clause added;*** With reference to Clause 7.17.2.4 d), an appliance employing devices to reduce the risk of tipping of the appliance shall be marked with the text and illustration as shown in Figure 9 and shall be visible after the appliance is installed as intended. An equivalent marking may be used provided the word "WARNING" and "AVERTISSEMENT" appears on the marking. The marking may be visible after opening an oven door.
6.20		***New clause added;*** With reference to Clause 7.17.2.4 d), an appliance employing devices to reduce the risk of tipping of the appliance shall be marked with a consumer removable label with an area of at least 232 square centimeters. The label shall state that the range should not be operated without the anti-tip device installed and include information and illustration as shown in Figure 10. An equivalent marking may be used provided the word "WARNING" and "AVERTISSEMENT" appears on the marking. The label shall state "CONSUMER INFORMATION — THE INSTALLER SHALL NOT REMOVE" and "RENSEIGNEMENTS POUR LE CONSOMMATEUR : L'INSTALLATEUR NE LES DOIT PAS RETIRER" and "BEFORE REMOVING LABEL, ENSURE ANTI-TIP DEVICE IS PROPERLY INSTALLED" and "AVANT D'ENLEVER L'ÉTIQUETTE, VÉRIFIER QUE LE SUPPORT D'ANTIBASCULEMENT EST BIEN INSTALLÉ". The label shall be visible after the appliance is installed with any doors closed.

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6.21		***New clause added;*** With reference to Clause 7.17.2.4 d), installation instructions shall include a warning specifying how to check installation of the anti-tip device. The warning shall be on the first or second page of the installation instructions and in the section of the installation instructions describing the installation of the anti-tip device.
6.22		***New clause added;*** With reference to Clause 7.17.2.4 d) and e), user instructions for an appliance employing devices intended to reduce the risk of tipping the appliance shall include the word “WARNING” and “AVERTISSEMENT” and the following or its equivalent: a) A CHILD OR ADULT CAN TIP THE RANGE AND BE KILLED and UN ENFANT OU UN ADULTE PEUT RENVERSER LA CUISINIÈRE ET ÊTRE TUÉ. b) VERIFY THE ANTI-TIP DEVICE HAS BEEN PROPERLY INSTALLED AND ENGAGED [state how for the two or more possible locations] and VÉRIFIER QUE LE DISPOSITIF ANTIBASCULEMENT EST BIEN INSTALLÉ ET ENGAGÉ [state how for the two or more possible locations]. c) ENSURE THE ANTI-TIP DEVICE IS RE-ENGAGED WHEN THE RANGE IS MOVED [state how for the two or more possible locations] and VÉRIFIER QUE LE DISPOSITIF ANTIBASCULEMENT EST ENGAGÉ À NOUVEAU LORSQUE LA CUISINIÈRE EST DÉPLACÉE [state how for the two or more possible locations]”. d) DO NOT OPERATE THE RANGE WITHOUT THE ANTI-TIP DEVICE IN PLACE AND ENGAGED and NE PAS FAIRE FONCTIONNER LA CUISINIÈRE SANS LE DISPOSITIF ANTIBASCULEMENT INSTALLÉ ET ENGAGÉ. e) FAILURE TO DO SO CAN RESULT IN DEATH OR SERIOUS BURNS TO CHILDREN OR ADULTS and LE FAIT DE NE PAS SUIVRE CES INSTRUCTIONS PEUT ENTRAÎNER LA MORT OU DES BRÛLURES GRAVES AUX ENFANTS ET AUX ADULTES. Instructions shall be included specifying how to check installation of the anti-tip device. The warning shall be on the first or second page of the user information.
6.23		***New clause added;*** User instructions for an appliance employing a glass/ceramic or induction cooktop surface shall include the following: 1) DO NOT COOK ON BROKEN COOK-TOP — IF THE COOK-TOP BREAKS, CLEANING SOLUTIONS AND SPILLOVERS CAN PENETRATE THE BROKEN COOK-TOP AND CREATE A RISK OF ELECTRIC SHOCK. CONTACT A QUALIFIED TECHNICIAN IMMEDIATELY and

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		NE PAS FAIRE DE CUISINE SUR UNE SURFACE DE CAISSON CASSÉE. SI LA SURFACE DE CAISSON SE CASSE, LES PRODUITS DE NETTOYAGE ET LES DÉVERSEMENTS PEUVENT PÉNÉTRER LA SURFACE DU CAISSON CASSÉ ET CAUSER UN RISQUE DE CHOC ÉLECTRIQUE. CONTACTER UN TECHNICIEN QUALIFIÉ IMMÉDIATEMENT. 2) CLEAN COOK-TOP WITH CAUTION — IF A WET SPONGE OR CLOTH IS USED TO WIPE SPILLS ON A HOT COOKING AREA, BE CAREFUL TO AVOID STEAM BURN. SOME CLEANERS CAN PRODUCE NOXIOUS FUMES IF APPLIED TO A HOT SURFACE and NETTOYER LA SURFACE DE CAISSON AVEC PRÉCAUTIONS. SI ON UTILISE UNE ÉPONGE OU UN CHIFFON MOUILLÉ POUR NETTOYER LES DÉVERSEMENTS SUR UNE SURFACE CHAUDE, FAITES ATTENTION DE NE PAS VOUS BRÛLER AVEC LA VAPEUR. IL Y A DES PRODUITS POUR NETTOYER QUI PEUVENT PRODUIRE DES VAPEURS NOCIVES S'ILS SONT APPLIQUÉS SUR UNE SURFACE CHAUDE.
6.24		***New clause added;*** User instructions for an appliance employing an induction cooktop surface shall include the following: DO NOT PLACE METALLIC OBJECTS SUCH AS KNIVES, FORKS, SPOONS, AND LIDS ON THE COOKTOP SURFACE SINCE THEY CAN GET HOT and NE PLACER PAS DES OBJETS MÉTALLIQUES TELS QUE LES COUTEAUX, LES FOURCHETTES, LES CUILLÈRES ET LES COUVERCLES SUR LA SURFACE DE CAISSON PUISQU'ILS PEUVENT DEVENIR CHAUDS.
6.25		***New clause added;*** A pyrolitic self-cleaning oven shall be marked with the words “CAUTION” and “ATTENTION” and the following or the equivalent: REMOVE BROILER PAN, POTS, AND OTHER UTENSILS AND EXCESS SPILLAGE BEFORE SELF-CLEANING And ENLEVER LA LÈCHEFRITE, LES POTS ET AUTRES USTENSILES ET TOUT DÉVERSEMENT EXCESSIF AVANT L’AUTONETTOYAGE. This marking shall be legible and readily visible after the appliance has been installed.

CLAUSE	VERDICT	COMMENT
6.26		***New clause added;*** With reference to Clause 7.5.3.5.2.5, installation instructions for built-in ovens with a bottom mounted hinge that comply with only one front side panel installed shall include information as to the minimum clearance to combustable construction as specified by the manufacturer.
6.27		***New clause added;*** With reference to Clause 7.5.3.5.2.6, if a spacing of more than the minimum value that will accommodate the trims is necessary to reduce the likelihood of excessive temperatures when a wall-mounted oven is installed adjacent to an identical oven, the oven shall be marked to indicate the minimum separation that must exist between it and the identical oven when installed. If ovens are intended for installation side-by-side, the indicated minimum distance shall be that between vertical centrelines through the fronts of the ovens; and if ovens are intended for installation one above the other, the indicated distance shall be that between the horizontal centerlines through the fronts of the ovens. This marking shall be readily visible during installation and during inspection of the supply wire connections.
6.28		***New clause added;*** With reference to Clause 7.5.3.5.3.2, an appliance shall be marked with the words "WARNING" and "AVERTISSEMENT" and the following or equivalent wording: IF INSTALLING BETWEEN TWO PARALLEL SIDE WALLS OR CABINETS, THE WALLS OR CABINETS SHOULD BE SPACED AT LEAST ___ MM APART TO REDUCE THE RISK OF IGNITION OF SURROUNDING COMBUSTIBLE MATERIALS and DANS LE CAS OÙ L'INSTALLATION SE TROUVE ENTRE LES MURS DE CÔTÉS PARALLÈLES OU ENTRE DES CABINETS, LES MURS OU LES CABINETS DEVRAIENT ÊTRE ESPACÉS AU MOINS DE ___ MM ENTRE LES DEUX POUR RÉDUIRE LES RISQUES D'INCENDIE DES MATÉRIAUX COMBUSTIBLES À PROXIMITÉ. Note: The spacing specified in the marking shall be no less than the distance between sidewalls when tested in accordance with Normal Temperature Test, Clause 7.5. This marking shall be readily visible after the appliance is installed. In addition, the installation instructions shall indicate the minimum required clearances to adjacent surfaces.

CLAUSE	VERDICT	COMMENT
6.29		***New clause added;*** With reference to Clause 7.5.3.5.3.5, if more than the minimum spacing that will accommodate the trims is necessary to reduce the likelihood of excessive temperature when a counter-mounted cooking unit is installed adjacent to an identical cooking unit, the cooking unit shall be marked to indicate the minimum separation that must exist between it and an identical cooking unit when installed. If cooking units are intended for installation end to end, the indicated minimum distance shall be that between 46centerlines parallel to the ends of the units; and if the cooking units are intended for installation side-to-side, the indicated minimum distance shall be that between centrelines parallel to the sides of the units. This marking shall be readily visible during installation and during inspection of the supply wire connections.
6.30		***New clause added;*** With reference to Clause 7.5.4.6, if a specific kind or type of pan is required to be used with an appliance, the appliance shall be clearly marked, or the accompanying instruction booklet shall carry a statement similar to the following: CAUTION – TO OBTAIN PROPER HEATING USE ONLY THE PANS PROVIDED WITH THIS APPLIANCE and ATTENTION : POUR SE PROCURER LE CHAUFFAGE ADÉQUAT, UTILISER SEULEMENT AVEC LES CASSEROLES FOURNIES AVEC CET APPAREIL.
6.31		***New clause added;*** With reference to Clause 7.5.3.4.4, a single-oven eye-level range intended for mounting directly over any specific appliance shall be marked with a code number or some similar designation to indicate the appliance over which it may be mounted. This marking shall be visible during installation and inspection.
7	Info	**Tests**
7.1		***New section added;*** **General**
7.1.1		Appliances shall be investigated by subjecting a representative sample(s) to the applicable tests of Clause 7.
7.1.2		Whenever cheesecloth is required for a test in this standard, the cloth shall be bleached cheesecloth measuring approximately 34 g/m2 with a thread count in the range of 10–13 x 9–12 threads/cm.

CLAUSE	VERDICT	COMMENT
7.2		***New clause added;*** Unless otherwise specified in the requirements, all tests shall be conducted with the appliance connected to a supply circuit with a rated frequency and a voltage of a) 120 V for an appliance rated from 110 to 120 V; b) 240 V for an appliance rated from 208 to 240 V; or c) the maximum rated voltage of the appliance for an appliance rated other than as mentioned in Item a) or b).
7.3		**Rating** The input in amperes or watts to appliances at normal operating temperature under full load conditions (i.e., all heater elements and accessories at maximum power input) shall not exceed the marked rating by more than ~~+5% or –10% when the appliance is connected to a supply of marked rated frequency and marked rated voltage. If a range of voltages is marked, the voltage of the supply circuits shall be the arithmetic mean of the two values.~~ 10%. The power consumption of lamps, clocks, and relay coils shall be included in the total power input.
7.4		***New section added;*** **Surface temperature test** This section contains requirements for the surface temperature test (see standard for details).
7.5		**Normal temperature test** Entire section has been rewritten (see standard for details).
7.6	Info	**Dielectric strength**
7.6.1		~~Appliances at normal operating temperature~~ Immediately following the temperature tests specified in Clauses 7.4 and 7.5, and each of the abnormal tests in Clause 7.6, the equipment shall withstand without breakdown, for a period of 1 min, the application of an ac voltage of 1000 V between live parts and exposed non-current-carrying metal parts.
7.6.2		***New clause added;*** To determine whether an appliance complies with the requirements in Clause 7.6.1, the appliance shall be tested by means of a 500 V A or larger-capacity transformer, the output voltage of which is essentially sinusoidal and can be varied. The applied potential shall be increased from zero until the required test level is reached and shall be held at that level for 1 min. The increase in the applied potential shall be at a uniform rate and as rapid as is consistent with its value being correctly indicated by a voltmeter. All controls in the appliance shall be in the ON position.

CLAUSE	VERDICT	COMMENT
7.7		**Abnormal operation** Entire chapter has been rewritten (see standard for details).
7.10		***New clause added;*** **Glass surfaces** This section contains requirements for glass surfaces (see standard for details).
7.11		***New section added;*** **Liquid spillage**
7.11.1		With reference to Clause 5.28, an appliance having controls in a horizontal plane in or adjacent to the cooking surface is to be subjected to the spill test described in Clause 7.11.2. There shall be no evidence of arcing or short-circuiting, no evidence of insulation breakdown or unintended operation. After the test, the appliance shall comply with the dielectric strength test in Clause 7.6.
7.11.2		A 125 mL of salt solution (comprising 0.5 g of ordinary table salt per litre of water) shall be poured at random over and around the knob of each control while the appliance is connected to the power supply source with all controls in the ON position. Each control shall then be operated through its full range of motions, and this operation shall be repeated after a 5 min interval. Following this, within 5 min, but not less than 1 min after the second operation of the last control, the appliance shall be tested for compliance with the dielectric strength test of Clause 7.6.
7.13		***New section added;*** **Impact**
7.13.1		As required by Clauses 5.4.6.3, a polymeric enclosure used to isolate uninsulated live parts shall withstand an impact as described in Clause 7.13.2 without denting, breaking, or cracking in a manner that would reduce electrical spacings below those specified in Clause 5.24 or expose uninsulated live parts as judged by the requirements of Clause 5.4.3.
7.13.2		The impact shall be produced by a 50.8 mm diameter, 0.535 kg steel ball being dropped or swung from a height of 1291 mm above the point of impact onto the enclosure surface maintained at the ambient test temperature. Three complete as-received samples shall be used for this test. Each sample shall be mounted in its intended position and shall be subjected to a single impact directed at a different location. Note: Fewer samples may be used if the sample can withstand repeated impacts without damage.

CLAUSE	VERDICT	COMMENT
		New clause added;
7.14		**Oven doors** This section contains requirements for oven doors (see standard for details).
7.15		***New clause added;*** **Oven racks** The oven rack shall not fall from its supports and the weight shall not slide off the rack during the following procedure: a) Begin with the oven at room temperature, the rack in the lowest position, and the appliance installed as intended on a level surface. b) Pull the rack out to the full extent of its travel. c) Place weight on the centre of the rack. The weight shall be a square 225 mm per side and shall have the weight shown in Table 7. d) Slide the rack in as far as possible with the weight in place. e) Slide the rack back out to the full extent of its travel. f) Repeat Items b) to e) for the rack in the centremost position. g) Perform thermal conditioning. On pyrolitic self-clean ovens, run the longest available self-clean cycle with racks in place unless instructions indicate to remove the rack. On non self-clean ovens, run bake at 246 °C for 3 h with racks in place. Allow the oven to fully cool. h) Repeat Items b) to e) for the rack in centremost position. i) Heat oven to 246 °C. After 1 h, repeat Items b) to e) with the rack in each of the lowest and centremost positions. Allow time between testing each rack position for the oven temperature to recover to 246 °C.
7.16		***New section added;*** **Strain relief** With reference to Clause 5.7.4.1, strain relief for power supply cords shall prevent transmission of strain to interior wiring, splices, and terminals when a steady pull of 155 N is applied in any direction for 1 min.
7.17		**Stability** Entire section has been rewritten (see standard for details).
7.18		***New section added;*** **Push-back relief**
7.18.1		With reference to Clause 5.7.4.3, a supply cord shall be tested in accordance with Clause 7.18.2 without occurrence of any of the following conditions: a) mechanical damage to the supply cord or lead;

CLAUSE	VERDICT	COMMENT
		b) exposure of the supply cord or lead to a temperature higher than that for which it is rated; c) reduction of spacings (such as to a metal strain-relief clamp) below the minimum required values; or d) damage to internal connections or components.
7.18.2		The supply cord shall be held 25 mm from the point where the cord or lead emerges from the product and shall then be pushed back into the product. The cord shall be pushed back into the product in 25 mm increments until the cord buckles or the force to push the cord into the product exceeds 27 N. The supply cord within the product shall be manipulated to determine compliance with Clause 7.18.1.
7.19		***New section added;*** **Printed circuit boards (abnormal)** This section contains requirements for printed circuit boards (see standard for details).
7.20		***New section added;*** **Surface element setback** This section contains requirements for surface element setback (see standard for details).
7.21		***New section added;*** **Adhesive tests** This section contains requirements for adhesive tests (see standard for details).
7.22		***New clause added;*** **Warming element test** With reference to Clauses 5.19.1 and 5.19.5, a warming element shall not ignite a single layer of cheesecloth covering at minimum the heated area of the element when tested on maximum setting for 1 h. This test shall be repeated with four layers of cheesecloth.
7.23		***New section added;*** **Component washing test** This section contains requirements for component washing test (see standard for details).

CLAUSE	VERDICT	COMMENT
		New clause added; **Small metal object heating test**
7.25		In reference to Clause 5.19.6, the appliance shall be operated at rated voltage with the controls adjusted to their highest setting. An iron bar, approximately 100 mm long x 20 mm wide x 2 mm thick shall be placed in the most unfavorable position on each cooking zone, tested one at a time. The temperature rise of the bar shall not exceed 35 °C.
		New section added;
7.26		**Fire and explosion tests — Pyrolytic self-clean ovens** This section contains requirements for fire and explosion tests for pyrolytic self-clean ovens (see standard for details).