

## STANDARD INFORMATION

**Standard:** CSA E60335-2-43

**Standard ID:** Household and Similar Electrical Appliances - Safety - Part 2-43: Particular Requirements for Clothes Dryers and Towel Rails [CSA E60335-2-43:2023 Ed.4]

**Previous Standard ID:** Household and Similar Electrical Appliances - Safety - Part 2-43: Particular Requirements for Clothes Dryers and Towel Rails (R2018) [CSA E60335-2-43:2013 Ed.3]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **February 10, 2025**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

**Overview of Changes:** New requirements for clothes dryers intended for drying footwear or gloves. Specific details of new/revisted 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</i>
6	Info	<b>Classification</b> <i><b>New clause added;</b></i>
6.2		Clothes dryers intended for drying footwear or gloves that when in use have electrical components located below or inserted inside the footwear or gloves shall be at least IPX2. All other appliances shall be at least IPX1.
11	Info	<b>Heating</b> The temperature rise of the textiles shall not exceed 75 K.  <u>The temperature rise at the air outlet of clothes dryers intended for drying footwear or gloves shall not exceed the limits of Table 3 for handles held for short periods only.</u>
11.8		The temperature rise limits of motors, transformers and components of electronic circuits, including parts directly influenced by them, may be exceeded when the appliance is operated at 1,15 times rated power input.  For oil-filled appliances, the temperature rise of parts in contact with oil is not measured.
19	Info	<b>Abnormal operation</b> For each of the tests, new textiles are used.
19.1		<u>Clothes dryers intended for drying footwear or gloves are subjected to the tests of 19.101 and 19.102.</u>
19.13		The temperature rise of the textiles shall not exceed 150 K.  <u>For clothes dryers intended for drying footwear or gloves, the temperature rise of the textiles shall not exceed 75 K.</u>  The textiles shall not be significantly scorched.



CLAUSE	VERDICT	COMMENT
		<b><i>New clause added;</i></b>
		Clothes dryers intended for drying footwear or gloves are operated as specified in Clause 11 until steady conditions are established. The voltage at the terminals of the motor is then reduced until the running speed of the motor is just sufficient to prevent the thermal cutout from operating, the power input to the heating element being maintained at 1,15 times rated power input.
19.101		The voltage is decreased at  – 1 V per minute, for motors having a working voltage not exceeding 30 V; – 5 V per minute, for motors having a working voltage exceeding 30 V.  The appliance is then operated until steady conditions are established.  The test is repeated with the heat setting switch, if any, placed in each position. The voltage to the heating element switch being maintained at the value that gives 1,15 times rated power input with the switch at the highest heat setting position.
		<b><i>New clause added;</i></b>
		<b>Portable clothes dryers intended for drying footwear or gloves are operated under normal operation at 1,15 times rated power input.</b>
19.102		A rectangular sheet of paper is held against air inlets, without additional pressure. The paper has an area sufficient to cover the surface where air inlets are situated and is moved in any direction in order to restrict the airflow so that the most unfavourable conditions are established.  The paper has a specific mass of $80 \text{ g/m}^2 \pm 16 \text{ g/m}^2$ .  The test is carried out with the paper sheet positioned so that the thermal cut-out is prevented from operating.
22	Info	<b>Construction</b>
		<b><i>New clause added;</i></b>
22.40		For clothes dryers intended for drying footwear or gloves, the switch in the off-position shall disconnect electronic circuits, unless compliance with Clause 19 does not depend on the operation of a self-resetting thermal cut-out.



CLAUSE	VERDICT	COMMENT
23	Info	<b>Internal wiring</b> <i>New clause added;</i>
23.3		The number of flexings for conductors of portable clothes dryers intended for drying footwear or gloves that are only flexed when the appliance is stored is 5 000.
25	Info	<b>Supply connection and external flexible cords</b> <i>New clause added;</i>
25.7DV.6A		Portable appliances shall have a supply cord, which shall extend not less than 1.8 m and not more than 2.4 m from the point where the cord enters the heater to the face of the attachment plug.
30	Info	<b>Resistance to heat and fire</b> <i>New clause added;</i>
30.2		Non-metallic enclosures and supports for electrical components shall comply with the 5VA requirements of CSA C22.2 No. 0.17.