

STANDARD INFORMATION

Standard: UL 1278

Standard ID: Movable and Wall- or Ceiling-Hung Electric Room Heaters [UL 1278:2014 Ed.4+R:21Feb2022]

Previous Standard ID: Movable and Wall- or Ceiling-Hung Electric Room Heaters [UL 1278:2014 Ed.4+R:10Sep2020]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **February 21, 2024**

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 Reports not updated to this version by the effective date above will be withdrawn.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: Warning and markings to address hyperthermia hazards. 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
	Info	MARKINGS
67	Info	Details
		<p>Except for a ceiling-hung heater, a heater of the radiant type having a visibly glowing element shall employ the following permanent marking on a surface of the heater that is visible from the front of the heater, with the word "WARNING" and the following or equivalent wording: "To Reduce the Risk of Fire – keep combustible material such as furniture, papers, clothes, and curtains at least 3 feet (0.9 m) from the front of the heater and away from the sides and rear. <u>To Reduce the Risk of Hyperthermia – Use caution when operating the heater to avoid overheating that can occur in infants or individuals with reduced physical, sensory, or mental capabilities.</u>" This marking shall be readily visible and shall have the minimum dimensions specified in 67.15.</p> <p>Exception No. 1: The marking of "3 feet" in the above markings may be reduced if the marking is revised to replace the words "WARNING – TO REDUCE THE RISK OF FIRE <u>AND HYPERTHERMIA</u>" with "DANGER – TO AVOID FIRE <u>AND HYPERTHERMIA.</u>"</p> <p><u>Exception No. 2: The markings in may be combined to read "WARNING – To Reduce the Risk of Fire and Hyperthermia – keep combustible material such as furniture, papers, clothes, and curtains at least 3 feet (0.9 m) from the front of the heater and away from the sides and rear. Use caution when operating the heater to avoid overheating that can occur in individuals (see instructions)."</u></p> <p><u>Exception No. 3: If the heater rated wattage is less than 850 watts, the markings referenced only to "Hyperthermia" and the wording "To Reduce the Risk of Hyperthermia – Use caution when operating the heater to avoid overheating that can occur in infants, or individuals with reduced physical, sensory, or mental capabilities" may be omitted.</u></p>
67.14		<p>A movable or wall-hung heater of a type other than covered in 67.13 shall be marked on a surface that is visible from the front of the heater with the following wording: "CAUTION – High temperature, keep electrical cords, drapery, and other furnishings at least 3 feet (0.9 m) from the front of the heater and away from the side and rear. <u>WARNING – Risk of Hyperthermia.</u>" The marking shall be readily visible and shall have the minimum dimensions specified in 67.15.</p> <p>Exception No. 1: The following marking may be substituted for the marking described above, if during the <u>Normal Temperature Test, Section 40</u>, the</p>



CLAUSE	VERDICT	COMMENT
		<p>temperature at any point on the surface of the heater does not exceed 121°C (249.8°F). "DANGER – High temperatures may be generated under certain abnormal conditions. Do not partially or fully cover or obstruct the front of this heater. Risk of Hyperthermia."</p> <p>Exception No. 2: The caution marking "<u>CAUTION – High temperature, keep electrical cords, drapery, and other furnishings at least 3 feet (0.9 m) from the front of the heater and away from the side and rear</u>" described above is not required on a heater if, during the Normal Temperature Tests and Abnormal Operation Tests, Sections 40 and 42, the temperature at any point on the surface of the heater does not exceed 121°C (249.8°F). <u>The Hyperthermia Warning is still required unless Exception No. 5 applies.</u></p> <p>Exception No. 3: A wall-hung heater need not be marked with the cautionary marking "<u>CAUTION – High temperature, keep electrical cords, drapery, and other furnishings at least 3 feet (0.9 m) from the front of the heater and away from the side and rear</u>" described above provided it complies with the requirements in 42.8.2.1 – 42.8.3.1. <u>The Hyperthermia Warning is still required unless Exception No. 5 applies.</u></p> <p>Exception No. 4: The marking of "3 feet" in the above marking may be reduced if the marking is revised to replace the word "CAUTION" with "DANGER – TO AVOID FIRE <u>AND HYPERTHERMIA.</u>"</p> <p><u>Exception No. 5: If the heater rated wattage is less than 850 watts, the markings in 67.14 reference only to "WARNING – Risk of Hyperthermia" may be omitted.</u></p> <hr/> <p><i>New clause added;</i></p> <p>If the heater wattage is greater than or equal to 850 watts, the markings specified in this section shall be temporarily affixed and be readily visible on the heater and shall allow easy removal of the label, hangtag, or similar means to display the markings. The label or hangtag shall be of a size that facilitates legibility of the required markings. The removable warning label shall provide the warning illustrated in Figure 67.2 or the equivalent. The illustration shall consist of a contrasting color background. The height and width of the warning symbol shall be no less than 0.50 inch (12.7 mm). The information on the label shall be legibly printed and shall contrast with the background. The heading "WARNING – Risk of Heat Stroke (Hyperthermia)" shall at least 1/4 inch (9.53 mm) in height. The remaining text, "Hyperthermia can result in death in infants or others Use caution to avoid overheating individuals Read and follow all instructions before use REMOVE BEFORE USE!" shall be no less than 1/8 inch (3.175 mm) in height. The "WARNING" and "REMOVE BEFORE USE!" lettering shall be in upper case letters.</p>
67.25		

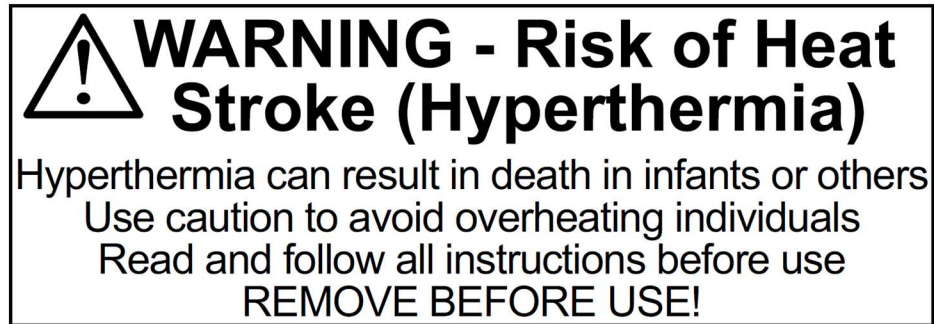


CLAUSE	VERDICT	COMMENT
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New figure added;

Hyperthermia Warning Illustration

Figure 67.2



68	Info	Instructions for Use and Care
68.2	Info	Important instructions

The instruction manual shall incorporate all required cautionary markings for the heater specified in the Marking Details, Section 67, and shall also include at least the following general instructions, as appropriate.

IMPORTANT INSTRUCTIONS

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, injury to persons, and hyperthermia, including the following:

68.2.1 17) Hyperthermia can result in death. Symptoms of hyperthermia include high body temperature, headache, nausea, vomiting, tiredness, dizziness, fainting, and rapid pulse. If you begin to experience symptoms related to hyperthermia, turn off the heater and seek medical attention.

18) To avoid excessive room temperatures which can cause hyperthermia: DO NOT leave product running unattended in a confined space around infants, or individuals with reduced physical, sensory, or mental capabilities.

Exception: If the heater wattage is less than 850 watts, the markings in 68.2.1 reference to “hyperthermia” and items (17) and (18) may be omitted.



CLAUSE	VERDICT	COMMENT
69	Info	Cord Tag Markings
69.1		<p>The markings specified in this section shall be permanently affixed to the power-supply cord, shall be no more than 6 inches (152 mm) from the attachment plug and shall be made of substantial material (cardboard, cloth, plastic, or the equivalent) to provide mechanical strength and to prevent easy removal. The tag shall be of a size that facilitates legibility of the required markings, and all exposed surfaces shall have a clear plastic overlay, or the equivalent, to protect the markings. The information on the tag shall be legibly printed and shall contrast with the background. If both sides of the tag are utilized to incorporate the required marking, the text of the marking shall be arranged so that it is obvious that the marking is started on one side and is continued on the other side of the tag. The statements "WARNING – TO REDUCE THE RISK OF FIRE <u>AND HYPERTHERMIA</u>" and "DO NOT REMOVE THIS TAG!" shall be in letters at least 3/16 inch (4.8 mm) in height. The remaining text shall be in letters of at least 1/16 inch (1.6 mm) in height. The tag shall be either of the following forms:</p> <p>a) A flag tag having a hole to permit securement to the power-supply cord by a plastic strap or equivalent means. The strap shall not be removable without cutting.</p> <p>b) A flag-type cord tag with an adhesive back. The tag is to be wrapped tightly once around and is to adhere to the supply cord. The ends of the tag are to adhere to each other and project as a flag.</p> <p>The required markings are to be positioned on the projecting flag portion of the tag. The permanence of the warning tag shall be determined in accordance with Test for Permanence of Cord Tag, Section 54.</p> <p><u>Exception: If the heater wattage is less than 850 watts, the markings in 69.1 reference to "HYPERTHERMIA" may omitted.</u></p>
69.2		<p>Except for a ceiling-hung heater, a heater of the radiant type having a visibly glowing element shall employ the following or equivalent instructions:</p> <p>"WARNING – TO REDUCE THE RISK OF FIRE <u>AND HYPERTHERMIA</u>:</p> <p><u>6) Hypertthermia can result in death. Use caution when operating the heater to avoid overheating that can occur in infants or individuals with reduced physical, sensory, or mental capabilities.</u></p> <p><u>Exception No 2: If the heater wattage is less than 850 watts, the references to "HYPERTHERMIA" and item (6) may be omitted.</u></p>



CLAUSE	VERDICT	COMMENT
69.3		<p>A heater, of other than the radiant type having a visibly glowing element, shall employ the following or equivalent instructions:</p> <p>"WARNING – TO REDUCE THE RISK OF FIRE <u>AND HYPERTHERMIA</u>:</p> <p><u>6) Hyperthermia can result in death. Use caution when operating the heater to avoid overheating that can occur in infants, or individuals with reduced physical, sensory, or mental capabilities.</u></p> <p><u>Exception: If the heater wattage is less than 850 watts, the markings in 69.3 reference to "HYPERTHERMIA" and item (6) may be omitted.</u></p>