

STANDARD INFORMATION

Standard: ULC S627

Standard ID: Standard for Space Heaters for Use with Solid Fuels [CAN/ULC S627:2021 Ed.4]

Previous Standard ID: Standard for Space Heaters for Use with Solid Fuels [ULC S627:2000 Ed.3+R:18Aug2020]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **July 1, 2023**

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 Reports not updated to this version by the effective date above will be withdrawn.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:

- Remove coverage for use in mobile homes
- Electrical requirements now need to comply with CSA C22.2 No. 60335-2-102
- Space heaters shall be suitable for installation on combustible floors
- Includes design criteria for firestopping
- Includes requirements for Airtightness
- Includes requirements for Fueling, charging and Ash Removal
- Includes requirements for Grates or Liners for Combustion Chambers
- Includes updated requirements for the Installation and Operating Instructions

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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>
1	Info	Scope
1.2		This Standard applies to: a) Space heaters having provision for venting directly to the outdoors; and B- Outdoor aired space heaters intended for installation primarily in mobile homes; and b) Space heaters utilizing catalytic combustion elements (combustors).
4	Info	Compliance
4.4		The electrical features shall meet the applicable requirements of CSA Standard C22.2 No. 3, Electrical Features of Fuel-Burning Equipment. <u>The electrical features shall meet the applicable requirements of CAN/CSA C22.2 No. 60335-2-102, Household and Similar Electrical Appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections.</u>
6	Info	Assembly
6.2		<i>New clause added;</i> A space heater shall be suitable for installation on combustible floors. <i>New clause added;</i>
6.3		The design of a space heater shall not void the firestopping through the spaces of a structure when the space heater, its chimney, and the combustion air inlet assembly are installed in accordance with the manufacturer's instructions. <i>New section added;</i>
12		Where a space heater is constructed with one or more inlets to provide combustion air from the outdoors, all openings, including the fuel-charging door, the ashpit door, and clearances between parts or components where ambient air might leak into the heat exchanger, or the products of combustion might leak out, shall be adequately and durably sealed to prevent more than insignificant leakage. <i>New section added;</i>
13		Fuelling, Charging and Ash Removal
13.1		The firing and ashpit door (s) shall be well fitted and so constructed that distortion will not occur under conditions of normal use and shall be provided with a positive latch to hold them in a closed position.



CLAUSE	VERDICT	COMMENT
		All removable screens shall be provided with means to ensure that:
13.2		a) The screen remains in place during normal operation and cannot be easily displaced by dislodged fuel; and b) The screen fits completely over the fire viewing opening.
13.3		Where a special tool is required for normal operation and maintenance of the space heater, such a tool shall be provided by the manufacturer.
14		<i>New section added;</i> Grates or Liners for Combustion Chambers
14.1		A space heater intended to use coal shall be equipped with an integral or detachable grate. Where the grate is detachable, its use shall be indicated in the manufacturer's operating instructions.
17	Info	Test Installation
17.10		The space heater shall be placed adjacent to the back and side walls of the test structure at the minimum clearances specified by the manufacturer. Adjustable legs or other adjustable support members shall be arranged in order to place the space heater the minimum distance above the floor that the adjustment will permit. <u>If a corner installation is permitted by the manufacturer, the appliance shall also be tested installed at a 45° angle to the back and side walls (See Figure 17.3).</u>
31		<i>New section added;</i> Installation Instructions The installation instructions shall include, at a minimum, the following. See standard for details.
32		<i>New section added;</i> Operating Instructions The operating instructions shall include, at a minimum, the following. See standard for details.