

STANDARD INFORMATION

Standard: UL 1323

Standard ID: Scaffold Hoists [UL 1323:2007 Ed.4+R:26Feb2020]

Previous Standard ID: Scaffold Hoists [UL 1323:2007 Ed.4+R:30Sep2019]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **February 26, 2022**

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.

Overview of Changes:

- Addition of requirements when a battery is used as the primary power supply
- Addition of requirements for wiring located within the battery compartment

Specific details of new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



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CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
4	Info	Installation and Operating Instructions
4.3		The operating instructions shall also include the type designation, the AWG size, the voltage rating, <u>battery ampere-hour capacity for batteries</u> and the maximum length of each type of power-supply cord for use with the hoist.
	Info	CONSTRUCTION
	Info	ALL HOISTS
5	Info	General
		<i>New clause added;</i>
5.4		When a battery is used as the primary power supply, the battery shall comply with one of the following: a) Standard for Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail (LER) Applications, UL 1973 when the battery is stationary; or b) Standard for Batteries for Use In Light Electric Vehicle (LEV) Applications, UL 2271 when the battery is mobile.
19	Info	Supply Connections
19.1	Info	General
		<i>New clause added;</i>
19.1.12		The power supply from the battery shall comply with one of the following and shall be considered with respect to the intended use temperatures and conditions of service: a) The Standard for Thermoplastic-Insulated Wires and Cables, UL 83; b) The Standard for Flexible Cords and Cables, UL 62; c) Outline for Welding Cable, UL 1276; d) The Standard for Electrical Cables for Boats, UL 1426; or e) The Standard for Machine-Tool Wires and Cables, UL 1063. Exception: This requirement does not apply to wiring located in a LVLE circuit.



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
19.1.13		<p>Wiring located within the battery compartment shall comply with one of the following and shall be considered with respect to the intended use temperatures and conditions of service:</p> <p>a) Outline for Battery Lead Wire, UL 2726; or b) Outline for Low Voltage Battery Cable, UL 4127; c) For wiring smaller than 6 AWG, the requirements in 12.1 would apply and the effects of acid exposure need not be evaluated.</p>
26	Info	Motors
26.4		If a motor is provided with <u>impedance protection</u> , it shall comply with the <u>Standard for Impedance Protected Motors, UL 1004-2</u> . If a motor is provided with an inherent thermal protector, it shall comply with the Standard for Thermally Protected Motors, UL 1004-3.
51	Info	Input Test
		<i>New clause added;</i>
51.2		When a battery is used as the primary power supply, the current input shall not exceed the battery's maximum rated discharge current.
74	Info	Power-Operated Hoists
74.1	Info	General
		If the access to the manual crank does not include a means to make the prime mover inoperative while under emergency manual operation, a warning marking readily visible to the operator during the cranking operation shall be provided and shall include the signal word "WARNING " and the following (or equivalent) information:
74.1.1		<p>"Risk of Injury to Persons if Unintentional Application of Power Sets Manual Crank Arm in Motion. Disconnect (Electric Power Cord) (<u>Battery</u>) (Air Supply) Before Using Manual Crank."</p> <p>The word "WARNING" shall be in letters at least 1/4 inch (6 mm) high and the balance of the statement in letters at least 1/8 inch *3 mm) high.</p>