

STANDARD INFORMATION

Standard: CSA B355

Standard ID: Platform Lifts and Stair Lifts for Barrier-free Access [CSA B355:2024 Ed.8]

Previous Standard ID: Platform Lifts and Stair Lifts for Barrier-free Access [CSA B355:2019 Ed.7]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: November 2, 2026

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 Reports not updated to this version by the effective date above will be withdrawn.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

- Addition of requirements for adverse environment lift installations
- Revised testing for landing doors and gates
- New requirements for hydraulic fluid overheating protection
- Revised requirements for safeties
- Revised requirements for requirements in CSA B44.1/ASME A17.5
- Revised requirements for audible alarm and warning signals and actuation
- Revised requirements for emergency stop devices
- Addition of requirements for signs required with lift operating instructions
- Revised engineering tests of safeties

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

Note: If the listing references a Canadian standard, per the Canadian Electrical Code (CSA C22.2#0) Section titled Language of markings, Caution and Warning Markings shall be in English and French.

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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 <u>underlined</u> and deletions are shown lined out below.
4	Info	Design requirements and limitations
4.1	Info	Design consider
4.1.6		<i>New section added;</i> Adverse environment lift installations
		General
4.1.6.1		The lift and its components shall be designed and constructed, so that exposure to the environment in which it is installed does not interfere with normal operation.
		Electrical equipment design
4.1.6.2		Electrical equipment shall be designed to protect against the environment in which it is installed (see Clause 8.1). Note: Consideration should be given to the controller enclosure, operating devices, switches, conduit, fittings, wires, cable, and flexible cords.
		Corrosion protection
4.1.6.3		Steelwork shall be designed taking into consideration the effects of corrosion. Corrosion protection shall be provided when necessary. Note: Corrosion protection could be galvanizing, painting, or other equivalent means.
5	Info	Runway
5.2	Info	Landing doors and gates
5.2.5	Info	Required tests and procedures
		Examination of operation
5.2.5.11		Locking engagement shall conform to one of the following requirements: a) Interlocks shall lock the door in the closed position with a minimum locking engagement of 7 mm of the locking elements before the interlock contacts are closed. b) Where an interlock does not meet the minimum locking engagement requirement of 7 mm, the following requirements shall apply:



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		<p>i) The interlock shall retain the door in its closed and locked position when a force of 3000 N is applied to the locking element(s) attached to the door, in the following directions:</p> <ol style="list-style-type: none"> 1) perpendicular to the plane of the door opening (forward and backward); and 2) parallel to the plane of the door opening (upward and downward, left and right). <p>ii) The tests in Item i) shall be performed at the point where the interlock contacts are closed.</p> <p>iii) <u>The tests in Item i) shall be performed with the same sample which has completed the test specified in Clause 5.2.5.9.</u></p>
6	Info	Drive unit
6.6	Info	Hydraulic drive
		<i>New clause added;</i>
6.6.11		<p>Hydraulic fluid overheating protection</p> <p>A means shall be provided to prevent overheating where a failure causes the temperature of the hydraulic fluid to rise above its maximum operating temperature.</p>
7	Info	Carriage
7.2	Info	Requirements for all carriages
7.2.5	Info	Safeties and overspeed governors
		Safeties
		<p>Except as permitted in Clauses 6.9.4, 7.2.5.2, and 7.2.5.3, carriages and counterweights shall be provided with safeties conforming to the following conditions:</p> <p>a) Safeties shall be operated by the action of breaking or slackening of the carriage or counterweight suspension means or the action of an overspeed governor, except that</p> <ol style="list-style-type: none"> i) on enclosed vertical platform lifts where the travel exceeds 2500 mm, the safeties shall be actuated by an overspeed governor, except as permitted in Clause 7.2.5.5; and ii) on friction drive lifts (see Clause 6.8), the safeties shall be actuated by an overspeed governor. <p>b) When actuated, the safeties shall operate simultaneously.</p> <p>c) Safeties shall be capable of stopping and holding the carriage loaded with 125% of the rated load and/or the counterweights, <u>if applicable</u>, from its rated speed (or governor-tripping speed in the case of governor-operated safeties) within a maximum travelling distance of 60 mm <u>from the point the safety engages the rail when triggered by the overspeed governor, to the point the lift comes to a stop.</u></p>
7.2.5.1		



CLAUSE	VERDICT	COMMENT
		<p>d) The action of the safeties shall activate an electrical protective switch in conformance with Clause 8.5.5.</p> <p>e) When the safeties are applied, neither motion of the carriage or counterweights in the down direction nor decrease in the tension of the governor rope shall release the safeties. The safeties shall be released by the motion of the carriage or counterweights in the up direction.</p> <p>f) Electric, hydraulic, or pneumatic devices shall not be used to apply the safeties or to hold the safeties in the retracted position.</p> <p>g) <u>Where safeties cannot be tested for compliance to Item c) in a safe and practical manner at the location of the installation, the manufacturer shall provide attestation of compliance. The test shall be witnessed and results verified by a certification body, or an engineer, by following the guidance in Clause A.1.</u></p> <p><u>Equipment accompanied by a manufacturer's attestation shall have a manual test performed on site to verify proper rail engagement of the safety and opening of the electrical switch as required in Item d).</u></p>
8	Info	Electrical equipment
8.1	Info	General
		<i>New clause added;</i>
		Requirements in CSA B44.1/ASME A17.5
		Electrical equipment shall be certified to the requirements of CSA B44.1/ASME A17.5.
8.1.2		Electrical equipment that is not an electrical protective device or does not perform any other safety function(s) is not required to be certified to CSA B44.1/ASME A17.5 if
		a) the equipment does not include any component operating at voltage greater than 30 V rms or 42.4 V peak;
		b) the equipment is located entirely in a Class 2 circuit in accordance with the Canadian Electrical Code, Part I, and is supplied with a certified Class 2 power supply/transformer; and
		c) the failure of the equipment does not render an electrical protective device ineffective.
8.3	Info	Alarm and warning signal
		Actuation
8.3.2		The alarm shall be actuated by the emergency stop device (see Clause 8.5.2) that is located in the carriage or by a <u>separate</u> alarm-actuating device, marked ALARM or with the bell symbol, that shall be provided in the carriage and located near the



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		<u>emergency stop device, in conformance with the requirement in Clause 8.2.3.1d).</u> <u>The device shall conform to the following requirements:</u> <u>a) the separate alarm-actuating device, when provided, shall illuminate when actuated;</u> <u>b) the audible signalling device shall be located outside an enclosed runway;</u> <u>c) the audible signalling device shall have a rated sound pressure rating of not less than 70 dBA nor greater than 80 dBA at 3000 mm from each entrance; and</u>
8.5	Info	Electrical protective device
8.5.2	Info	Emergency stop device
		Emergency stop device An emergency stop device conforming to Clause 8.5.2.1 shall be located a) in the carriage adjacent to the operating devices or conveniently accessible to the user where operating devices are not provided. See also Clause 8.3.2; b) at the landings adjacent to all landing operating devices if no operating devices are provided in the carriage, and may be provided where operating devices are provided in the carriage; or c) on the pendant control, where provided.
9	Info	Data plate and signs
		<i>New section added;</i>
9.5		Signs required with lift operating instructions
		Residential installations
9.5.1		Requirements in Clauses 9.5.2 and 9.5.3 do not apply to residential installations.
		Signage Signs shall be posted at a visible position near each operating device. The signs shall provide operating instructions to gain access to and operate the lift. In the case of an unenclosed lift, the instructions shall include information cautioning the user to observe the lift runway for possible obstructions.
9.5.2		
		Requirements The signs shall be subject to the following requirements:
9.5.3		a) permanently and securely attached near the operating devices; b) the sign plate shall be of such material and construction that the letters and figures stamped or otherwise applied to the faces shall remain permanently and readily legible; and c) the height of the letters shall not be less than 6 mm.



CLAUSE	VERDICT	COMMENT
Annex A	Info	Inspection and testing
A.1	Info	Engineering tests of safeties
		<i>New clause added;</i>
		Engineering tests — Testing of safeties on inclined platform lifts or stair chair lifts
		<p>The carriage shall be suspended with the specified load at a height that is more than 152 mm from the lower landing. The carriage shall overspeed until the carriage stops by the overspeed safety device. The test shall be witnessed by, and the test results certified by, a certifying organization or an engineer. A minimum of 12 tests shall be conducted equally divided between the following four test types:</p>
A.1.2		<p>a) Test 1: test using 125% of the rated load with the carriage operating at the manufacturer's specified maximum angle of inclination from horizontal.</p> <p>b) Test 2: test using 125% of the rated load with the carriage operating at an angle of 20° or the minimum operating angle as specified by the manufacturer, whichever is greater that will cause the carriage to achieve an overspeed condition.</p> <p>c) Test 3: test using no load with the carriage operating at the manufacturer's specified maximum angle of inclination from horizontal.</p> <p>d) Test 4: test using no load with the carriage operating at an angle of 20° or the minimum operating angle as specified by the manufacturer, whichever is greater that will cause the carriage to achieve an overspeed condition.</p> <p>At the conclusion of the test series, the maximum travelling distance for all tests listed above shall not exceed 60 mm and all support or safety components of the lift shall have performed without structural failure. This certificate shall be acceptable for all similarly designed lifts by the manufacturer for the same or lesser capacity (rated loads).</p>