

Self-propelled elevating work platforms



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Work Platforms***

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Preface

This is the second edition of CSA Standard B354.2, *Self-Propelled Elevating Work Platforms*. It supersedes the previous edition, published in 1982. This Standard also supersedes the previous edition of CSA Standard B354.3, *Self-Propelled Elevating Work Platforms for Use as "Off-Slab" Units*, published in 1982, as this Standard covers self-propelled elevating work platforms for use on paved/slab surfaces as well as for use as "Off-Slab" units.

The purpose of this Standard is to provide criteria for the design, manufacture, remanufacture, rebuild/recondition, testing, performance, inspection, training, maintenance, and safe operation of self-propelled elevating work platforms.

This Standard was prepared by the Technical Committee on Elevating Work Platforms under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee. It will be submitted to the Standards Council of Canada for approval as a National Standard of Canada.

March 2001

Notes:

- (1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- (2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- (3) *This publication was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as "substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity". It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this publication.*
- (4) *CSA Standards are subject to periodic review, and suggestions for their improvement will be referred to the appropriate committee.*
- (5) *All enquiries regarding this Standard, including requests for interpretation, should be addressed to CSA International, Standards Division, 178 Rexdale Boulevard, Toronto, Ontario M9W 1R3.*
 - Requests for interpretation should*
 - (a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
 - (b) *provide an explanation of circumstances surrounding the actual field condition; and*
 - (c) *be phrased where possible to permit a specific "yes" or "no" answer.*

Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are published in CSA's periodical Info Update. For subscription details, write to CSA Sales Promotion, Info Update, at the address given above.

B354.2-01

Self-Propelled Elevating Work Platforms

1. Scope

1.1

This Standard applies to self-propelled integral chassis elevated work platforms that have a platform that cannot be positioned completely beyond the base and that are used to position personnel, along with their necessary tools and materials, at work locations. Self-propelled elevating work platforms (aerial platforms) are power operated with primary functions, including drive, controlled from the platform.

This Standard also applies to aerial platforms designed for use on both on-slab and off-slab applications.

1.2

This Standard specifies the minimum requirements for the establishment of criteria for the design, manufacture, remanufacture, rebuild/recondition, testing, performance, inspection, training, maintenance, and safe operation of self-propelled elevating work platforms to achieve the following objectives:

- (a) prevention of personal injuries and accidents;
- (b) uniformity in ratings; and
- (c) understanding by manufacturers, dealers, installers, maintenance personnel, operators, owners, and users of their respective responsibilities.

Self-propelled elevating work platforms are generally intended for use over level surfaces. Normally they are not insulated for use near electrically energized circuits nor are they intended to be used in hazardous locations. For any self-propelled elevating work platforms intended for use around electrically energized circuits, see CSA Standard C225.

The operation of any aerial platform is subject to certain hazards that can only be protected against by having competent, careful personnel trained in the intended use, safe operation, maintenance, and service of this type of equipment.

1.3 Application

The design and manufacturing requirements of this Standard apply to those aerial platforms manufactured after the date of this Standard.

1.4 Equipment not Covered

This Standard does not apply to

- (a) vehicle-mounted aerial devices such as those covered by CSA Standard C225;
- (b) non-self-propelled elevating rolling work platforms covered in CSA Standard CAN3-B354.1;
- (c) boom-type elevating work platforms covered in CSA Standard CAN3-B354.4;
- (d) mast-climbing equipment such as those covered in ANSI Standard A92.9;
- (e) construction hoists used to raise and lower materials and personnel to different elevations as covered in CSA Standards CAN/CSA-Z256 and CAN/CSA-Z185;
- (f) mobile cranes such as those covered in CSA Standard Z150;
- (g) vehicle-mounted vertical lift devices such as those covered in ANSI/SIA A92.7;
- (h) vehicle-mounted bridge inspection and maintenance devices as covered in ANSI/SIA A92.8;
- (i) permanently installed (nonmobile) elevating lifts used to transport personnel between different elevations; and
- (j) fire-fighting equipment.