
**Snow throwers — Safety requirements
and test procedures —**

**Part 3:
Ride-on snow throwers**

Chasse-neige — Exigences de sécurité et essais —

Partie 3: Chasse-neige à conducteur porté

**(<https://standards.iteh.ai>)
Document Preview**

[ISO 8437-3:2019](https://standards.iteh.ai/catalog/standards/iso/5b639175-14fc-4ce2-8779-a51c7adee7d3/iso-8437-3-2019)

<https://standards.iteh.ai/catalog/standards/iso/5b639175-14fc-4ce2-8779-a51c7adee7d3/iso-8437-3-2019>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 8437-3:2019](https://standards.iteh.ai/catalog/standards/iso/5b639175-14fc-4ce2-8779-a51c7adee7d3/iso-8437-3-2019)

<https://standards.iteh.ai/catalog/standards/iso/5b639175-14fc-4ce2-8779-a51c7adee7d3/iso-8437-3-2019>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Snow thrower safety requirements and test procedures	2
4.1 General.....	2
4.2 Controls.....	2
4.2.1 General.....	2
4.2.2 Engine stopping and starting.....	5
4.2.3 Collector and impeller control.....	6
4.2.4 Directional control.....	7
4.2.5 Clutch control requirements for traction clutch or neutral, or both.....	7
4.2.6 Traction speed control.....	8
4.2.7 Steering control.....	9
4.2.8 Operator-presence control (OPC).....	10
4.3 Guards, shields, chutes, deflectors and housings.....	10
4.3.1 General.....	10
4.3.2 Hot surfaces.....	13
4.3.3 Engine exhaust.....	13
4.4 Fuel.....	13
4.4.1 Fuel tank overfill test.....	13
4.4.2 Fuel line axial pull test.....	13
4.5 Electrical equipment: battery-powered circuits (not including magneto grounding circuits).....	14
4.5.1 Insulated cables.....	14
4.5.2 Battery installation.....	14
4.5.3 Overload protection.....	14
4.5.4 Terminals and non-insulated electrical parts.....	14
4.6 Power drive.....	14
4.7 Probe test.....	14
4.7.1 Test procedure.....	14
4.7.2 Test acceptance.....	15
4.8 Electromagnetic immunity.....	15
4.9 Noise.....	15
4.10 Vibration.....	15
5 Instructions for use	16
5.1 Instruction handbook.....	16
5.2 Markings.....	16
5.3 Warnings.....	16
6 Ride-on machines with snow thrower attachment: specific requirements	16
6.1 Service brake.....	16
6.1.1 Requirements.....	16
6.1.2 Test procedure.....	16
6.1.3 Service brake strength requirements.....	17
6.2 Parking brake.....	17
6.2.1 Requirements.....	17
6.2.2 Test procedure.....	18
6.3 Stability.....	18
6.3.1 Requirements.....	18
6.3.2 Test procedure.....	19
6.3.3 Test acceptance.....	19

Annex A (normative) Instruction handbook	20
Bibliography	23

iTeh Standards
(<https://standards.itih.ai>)
Document Preview

[ISO 8437-3:2019](https://standards.itih.ai/catalog/standards/iso/5b639175-14fc-4ce2-8779-a51c7adee7d3/iso-8437-3-2019)

<https://standards.itih.ai/catalog/standards/iso/5b639175-14fc-4ce2-8779-a51c7adee7d3/iso-8437-3-2019>

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 13, *powered lawn and garden equipment*.

This first edition of ISO 8437-3, together with ISO 8437-1, ISO 8437-2 and ISO 8437-4, cancels and replaces ISO 8437:1989, which has been technically revised. It also incorporates the Amendment ISO 8437:1989/Amd.1:1997.

A list of all parts in the ISO 8437 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.