This is a free page sample. Access the full version online.

NSAI Standards

Irish Standard
I.S. EN ISO 11806:2008

Agricultural and forestry machinery - Portable hand-held combustion engine driven brush cutters and grass trimmers - Safety (ISO 11806:1997)

© NSAI 2008 No copying without NSAI permission except as permitted by copyright law.

This is a free page sample. Access the full version online.

I.S. EN ISO 11806:2008

Incorporating amendments/corrigenda issued since publication:

This document replaces:	*This document is based on:*	*Published:*
I.S. EN ISO 11806:1998	EN ISO 11806:2008 EN ISO 11806:1997	29 October, 2008 8 May, 1998

This document was published under the authority of the NSAI and comes into effect on: 18 February, 2009	ICS number: 65.060.80

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W **NSAI.ie**

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Price Code:
L

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

I.S. EN ISO 11806:2009

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 11806

October 2008

ICS 65.060.80

Supersedes EN ISO 11806:1997

English Version

Agricultural and forestry machinery - Portable hand-held combustion engine driven brush cutters and grass trimmers - Safety (ISO 11806:1997)

Matériel agricole et forestier - Débroussailleuses et coupe-herbe portatifs à moteur thermique - Sécurité (ISO 11806:1997)

This European Standard was approved by CEN on 15 October 2008.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

© 2008 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN ISO 11806:2008: E

This is a free page sample. Access the full version online.

Contents

Page

Foreword 3

Annex ZA (Informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC 4

Annex ZB (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC 5

This is a free page sample. Access the full version online.

Foreword

The text of ISO 11806:1997 has been prepared by Technical Committee ISO/TC TC 23 “Tractors and machinery for agriculture and forestry” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 11806:2008 by Technical Committee CEN/TC 144 “Tractors and machinery for agriculture and forestry” the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 11806:1997.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EC Directives.

For relationship with EC Directives, see informative Annexes ZA and ZB, which are integral parts of this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 11806:1997 has been approved by CEN as a EN ISO 11806:2008 without any modification.

This is a free page sample. Access the full version online.

This is a free page sample. Access the full version online.

I.S. EN ISO 11806:2009

INTERNATIONAL STANDARD

ISO 11806

First edition
1997-06-15

Agricultural and forestry machinery — Portable hand-held combustion engine driven brush cutters and grass trimmers — Safety

Matériel agricole et forestier — Débroussailleuses et coupe-herbe portatifs à moteur thermique — Sécurité

Reference number
ISO 11806:1997(E)

This is a free page sample. Access the full version online.

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11806 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee TC 23, *Tractors and machinery for agriculture and forestry,* Subcommittee SC 17, *Manually portable forest machinery*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Annexes A, B, C and D form an integral part of this International Standard. Annexes ZA and ZZ are for information only.

Annex ZZ provides a list of corresponding International and European Standards for which equivalents are not given in the text.

© ISO 1997

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet central@iso.ch
X.400 c=ch; a=400net; p=iso; o=isocs; s=central

Printed in Switzerland

This is a free page sample. Access the full version online.

Contents

Foreword iv

0 Introduction iv

1 Scope 1

2 Normative References 1

3 Definitions 2

4 Safety requirements 5
4.1 General 5
4.2 Vibration 5
4.3 Noise emission 6
4.4 Exhaust system 7
4.5 Handles 7
4.6 Barrier 7
4.7 Throttle control 7
4.8 Clutch 8
4.9 Engine stopping device 8
4.10 Harness 8
4.11 Balance 9
4.12 Cutting attachment strength 9
4.13 Retention of cutting attachment 9
4.14 Guards for cutting attachment 10
4.15 Distance to cutting attachment 10
4 16 Fuel tank 10
4.17 Protection against contact with hot parts 11
4.18 Starting device 11
4.19 Protection against contact with parts under high voltage 11

5 Verification of safety requirements 12

6 Information for use 13
6.1 General 13
6.2 Technical data 13
6.3 Instruction handbook 14
6.4 Marking 15

Annex A (normative) List of hazards 17

Annex B (normative) Cutting attachment impact test 21

Annex C (normative) Thrown objects test 22

Annex ZA (informative) Clauses of this Standard addressing essential requirements or other provisions of EU Directives 28

This is a free page sample. Access the full version online.

Foreword

The text of EN ISO 11806:1997 has been prepared by Technical Committee CEN/TC 144 "Tractors and machinery for agriculture and forestry ", the secretariat of which is held by AFNOR, in collaboration with Technical Committee ISO/TC 23 "Tractors and machinery for agriculture and forestry".

This Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 1997, and conflicting national standards shall be withdrawn at the latest by December 1997.

This Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

The annex A is normative and contains the "List of hazards".

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

0 Introduction

The extent to which hazards are covered is indicated in the scope of this standard. In addition, machinery shall comply as appropriate with EN 292 for hazards which are not covered by this standard.

This Standard covers brush cutters as well as grass trimmers, because the design of both machines is basically identical. Frequently one and the same unit can be either a brush cutter or a grass trimmer, depending on what type of cutting attachment is used. As grass trimmers are often used in forestry, the relevant requirements have been included in this standard.

SAI GLOBAL

This is a free preview. Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation