BS EN IEC 62841-3-7:2021+A11:2021

BSI Standards Publication

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery — Safety

Part 3-7: Particular requirements for transportable wall saws

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National foreword

This British Standard is the UK implementation of EN IEC 62841-3-7:2021+A11:2021. It is derived from IEC 62841-3-7:2020.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to text carry the number of the amendment. For example, text altered by CENELEC amendment A11 is indicated by ⟦A11⟩ ⟨A11⟩.

The UK participation in its preparation was entrusted to Technical Committee CPL/116, Safety of motor-operated electric tools.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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For the Great Britain market (England, Scotland and Wales), if the UK Government has designated this publication for conformity with UKCA marking legislation and has not amended the essential requirements of that legislation, Annex ZA/ZZ and any references to EU law in the publication should be read in accordance with the designation as applying to UK legislation in the same way as to EU law. Further information on designated standards can be found at www.bsigroup.com/standardsandregulation.

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Amendments/corrigenda issued since publication

Date	Text affected

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN IEC 62841-3-7:2021+A11

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English Version

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-7: Particular requirements for transportable wall saws (IEC 62841-3-7:2020)

Outils électroportatifs à moteur, outils portables et machines pour jardins et pelouses - Sécurité - Partie 3-7: Exigences particulières pour les scies murales portables (IEC 62841-3-7:2020)

Elektrische motorbetriebene handgeführte Werkzeuge, transportable Werkzeuge und Rasen- und Gartenmaschinen - Sicherheit - Teil 3-7: Besondere Anforderungen für transportable Wandsägen (IEC 62841-3-7:2020)

This European Standard was approved by CENELEC on 2020-07-16. CENELEC 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.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 116/455/FDIS, future edition 1 of IEC 62841-3-7, prepared by IEC/TC 116 "Safety of motor-operated electric tools" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62841-3-7:2021.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2022-04-26
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2025-04-26

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

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

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of EN IEC 62841-3-7:2021/A11:2021.

Endorsement notice

The text of the International Standard IEC 62841-3-7:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

ISO 11203:1995	NOTE	Harmonized as EN ISO 11203:2009 (not modified)

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Foreword to amendment A1

This document (EN IEC 62841-3-7:2021/A11:2021) was prepared by CLC/TC 116 “Safety and environmental aspects of motor-operated electric tools”.

The following dates are fixed:

• latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2022-04-26
• latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2025-04-26

This document modifies by common modifications EN IEC 62841-3-7:2021, which consists of the text of 116/455/FDIS (future IEC 62841-3-7, Ed. 1) prepared by IEC/TC 116 “Safety of motor-operated electric tools”.

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

This series is divided into four parts:

Part 1: General requirements which are common to most hand-held electric motor operated tools (for the purpose of this standard referred to simply as tools) which could come within the scope of this standard;

Part 2, 3 or 4: Requirements for particular types of tools which either supplement or modify the requirements given in Part 1 to account for the particular hazards and characteristics of these specific tools.

The Part 3-7 is to be used in conjunction with EN 62841-1:2015 and its amendments.

The Part 3-7 supplements or modifies the corresponding clauses in EN 62841-1:2015, so as to convert it into the European Standard: Particular requirements for transportable wall saws.

Where a particular subclause of Part 1 is not mentioned in Part 3-7, that subclause applies as far as relevant. When this standard states “addition”, “modification” or “replacement”, the relevant text in Part 1 is to be adapted accordingly.

The following print types are used:
— requirements: in roman type;
— *test specifications: in italic type;*
— notes: in smaller roman type.

The terms defined in Clause 3 are printed in **bold typeface**.

Subclauses, notes, tables and figures which are additional to those in Part 1 are numbered starting from 101.

Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62841-3-7:2020 are prefixed “Z”.

This document follows the overall requirements of EN ISO 12100.

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

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For the relationship with EU Directive(s), see informative Annex ZZ, which is an integral part of this document.

Compliance with the clauses of Part 1 together with Part 3-7 provides one means of conforming with the essential health and safety requirements of the Directive concerned.

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Annex ZA of EN 62841-1:2015 is applicable, except as follows:

Publication	Year	Title	EN/HD	Year
Replacement:				
ISO 3744	2010	Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Engineering methods for an essentially free field over a reflecting plane	EN ISO 3744	2010
ISO 11201	2010	Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections	EN ISO 11201	2010
ISO 11203	1995	Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions from the sound power level	EN ISO 11203	2009
Addition:				
IEC 61008-1 + A1 + A2	2010 2012 2013	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules	EN 61008-1 + A1 + A2	2012 2014 2014
IEC 62841-1	2014	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: General requirements	EN 62841-1	2015
ISO 6603-1		Plastics – Determination of puncture impact behaviour of rigid plastics – Part 1: Non-instrumented impact testing	EN ISO 6603-1	2000

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Annex ZZ
(informative)

Relationship between this European Standard and the essential requirements of Directive 2006/42/EC [2006 OJ L157] aimed to be covered

This European Standard has been prepared under a Commission's standardization request M/396 to provide one voluntary means of conforming to essential requirements of Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC.

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Directive, and associated EFTA regulations.

Table ZZ.1 — Correspondence between this European Standard and Annex I of Directive 2006/42/EC

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s) / subclause(s) of this EN	Remarks / Notes:
1.1.2 (Principles of safety integration)	4	-
1.1.3 (Materials and products)	5, 6.1, 21.6, K.5, L.5, L.21	-
1.1.5 (Design of machinery to facilitate its handling)	19.4	-
1.1.6 (Ergonomics)	5, 19.5, 21.18.2, K.5, L.5, L.21	-
1.1.7 (Operating positions)	21.35, L.21	-
1.2.1 (Safety and reliability of control systems)	5, 18.6, 18.8, 21.102, 23.1.6, 23.1.10, 23.1.11, 23.3, K.5, K.18.6, K.18.8, K.23.2.10, K.23.1.201, L.5, L.18, L.23.1.10	-
1.2.2 (Control devices)	5, 8.5, 8.9, 8.10, 8.11, 21.1, 21.2., 21.4, 21.17, 21.18, 21.102, 21.104, 21.105, K.5, K.21.17.1.2, L.5, L.21	-
1.2.3 (Starting)	5, 21.17, 21.105, K.5, K.21.17.1.2, L.5, L.21	-
1.2.4.1 (Normal stop)	5, 21.17, 21.105, K.5, K.21.17.1.2, L.5, L.21	-

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The relevant Essential Requirements of Directive 2006/42/EC	Clause(s) / subclause(s) of this EN	Remarks / Notes:
1.2.6 (Failure of the power supply)	5, 21.18.2.1, 23.3, K.5, L.5, L.21	-
1.3.1 (Risk of loss of stability)	5, 19.7, 19.8, K.5, L.5	-
1.3.2 (Risk of break-up during operation)	5, 8.14.2 c), 13.1, 14.4, 17, 19.103, 19.104, 20, 21.23, 24.13, 27, K.5, K.13.1, K.17, K.20, K.24.201, K.27.1, L.5, L.13.1, L.17, L.20, L.21, L.24.201	-
1.3.3 (Risk due to falling or ejected objects)	5, 18.1, 18.3, 19.102, 19.104, 21.35, K.5, L.5, L.18, L.21	-
1.3.4 (Risks due to surfaces, edges or angles)	19.2, 21.24, 21.103, L.21	-
1.3.7 (Risks related to moving parts)	5, 19.1, 19.3, 19.101, 21.103, K.5, L.5, L.21	-
1.3.8.1 (Moving transmission parts)	5, 19.1, 19.3, K.5, L.5	-
1.3.8.2 (Moving parts involved in the process)	5, 19.1, 19.101, K.5, L.5	-
1.4.1 (General requirements (for guards and protective devices))	5, 19.1, 19.101, 20.1, 20.2, 20.3, 20.4, 20.101, 21.22, K.5, K.20.1, K.20.3, L.5, L.20, L.21	-
1.4.2.1 (Special requirements for fixed guards)	5, 19.1, 19.9, K.5, L.5	-
1.4.2.3 (Special requirements for adjustable guards restricting access)	5, 19.1, K.5, L.5	-
1.5.1 (Risks due to electricity supply)	5, 7, L.7.1, 9, 10, 11, 12, 14, 15, 16, 17, 18.1 to 18.7, 20.5, 21.3, 21.5 to 21.16, 21.19 to 21.22, 21.25 to 21.34, 21.101, 22, 23.1.1 to 23.1.5, 23.1.7 to 23.1.9, 23.2, 23.4, 23.5, 24, 25, 26, 27, 28, K.5, K.7, K.9, K.10, K.11, K.12, K.14, K.16, K.17, K.18.1 to K.18.7, K.21.5 to K.21.16, K.21.19 to K.21.22, K.21.25 to K.21.34, K.22, K.24, K.25, K.26, K.27.1, K.28.1, K.28.2, L.5, L.9, L.10, L.11, L.12, L.14, L.16, L.17, L.18, L.18.201, L.20, L.21, L.22, L.24, L.25, L.26, L.28.1, Annex C	-
1.5.4 (Risks due to errors of fitting)	5, 8.7, 8.8, 8.13, 8.14.2, 21.7, 21.8, 21.19, 27.1, K.5, K.8.7, K.8.8, K.19.201, K.21.201, K.21.203, K.27.1, L.5, L.19.201, L.21	-
1.5.5 (Risks due to extreme temperatures)	5, 12.5, K.5, K.12.1, L.5	-

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The relevant Essential Requirements of Directive 2006/42/EC	Clause(s) / subclause(s) of this EN	Remarks / Notes:
1.5.6 (Risks due to fire)	5, 13, 18.1, 18.2, 18.4, 18.6, 28.1, K.5, K.12.201, K.13, K.18.1, K.18.6, K.18.201, K.18.202, K.18.203, K.20.1, K.20.3, K.21.203, K.23.201, K.23.202, K.28.1, L.18, L.18.202, L.18.203, L.18.204, L.5, L.12.201, L.13, L.20.201, L.20.202, L.21.203, L.23.201, L.23.202, L.28.1, L.28.201	-
1.5.7 (Risks due to explosion)	5, K.5, K.12.201, K.18.201, K.18.202, K.18.203, K.19.202, K.20.1, K.20.3, K.21.202, K.21.203, L.5, L.12.201, L.18.202, L.18.203, L.18.204, L.19.202, L.20.201, L.20.202, L.21.202, L.21.203	-
1.5.8 (Noise reduction)	I.2.Z1	-
1.5.10 (Risks due to radiation)	5, 6.1, 6.3, K.5, L.5	-
1.5.11 (Risks due to external radiation)	5, 18.8, K.5, K.18.8, L.5, L.18.8	-
1.5.12 (Risks due to laser radiation)	6.2	-
1.5.13 (Risks due to emissions of hazardous materials and substances)	21.35, L.21	-
1.6.1 (Machinery maintenance)	24.1	-
1.6.3 (Isolation of energy sources)	24.1	-
1.7.1 (Information and warnings on machinery)	8.1, 8.2, 8.4, 8.6, K.8.1, K.8.4, L.8.1, L.8.4	-
1.7.2 (Warning of residual risks)	8.2, 8.4, K.8.4, L.8.4	-
1.7.3 (Marking of machinery)	8.3, 8.4, 8.12, K.8.3, K.8.4, L.8.3, L.8.4	-
1.7.4 (Instructions)	8.14	-
1.7.4.1 (General principles for drafting of instructions)	8.14	-
1.7.4.2 (Contents of the instructions)	8.14.1, 8.14.2, 8.14.3, K.8.14.1.1, K.8.14.1.101, K.8.14.2, L.8.14.1.1, L.8.14.2	-
1.7.4.3 (Sales literature)	-	Not covered.

WARNING 1: Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2: Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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