



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 62076:2006

ICS 25.180.10

**INDUSTRIAL ELECTROHEATING
INSTALLATIONS - TEST METHODS FOR
INDUCTION CHANNEL AND INDUCTION
CRUCIBLE FURNACES (IEC 62076:2006
(EQV))**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62076

November 2006

ICS 25.180.10

Supersedes HD 610 S1:1992 and EN 60646:1998

English version

**Industrial electroheating installations -
Test methods for induction channel
and induction crucible furnaces
(IEC 62076:2006)**

Installations électrothermiques
industrielles -
Méthodes d'essai
pour fours à induction à canal et
pour fours à induction à creuset
(CEI 62076:2006)

Industrielle Elektrowärmeanlagen -
Prüfverfahren für Induktionsrinnen- und
Induktionstiegelöfen
(IEC 62076:2006)

This European Standard was approved by CENELEC on 2006-10-01. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 27/523/FDIS, future edition 1 of IEC 62076, prepared by IEC TC 27, Industrial electroheating equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62076 on 2006-10-01.

This European Standard supersedes HD 610 S1:1992 and EN 60646:1998.

The significant changes with respect to HD 610 S1:1992 and EN 60646:1998 are as follows:

- EN 60519-1:2003 has been taken into account;
- definitions have been brought into line with the second edition of IEC 60050-841;
- one additional test (5.8 Determination of the rated useful charge G_{nu}) has been introduced;
- informative Annex B with the list of symbols used in the standard has been added.

The following dates were fixed:

- | | | |
|--|-------|------------|
| – latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement | (dop) | 2007-07-01 |
| – latest date by which the national standards conflicting
with the EN have to be withdrawn | (dow) | 2009-10-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62076:2006 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-151	- ¹⁾	International Electrotechnical Vocabulary (IEV) Part 151: Electrical and magnetic devices	-	-
IEC 60050-841	2004	International electrotechnical vocabulary Part 841: Industrial electroheat	-	-
IEC 60398	1999	Industrial electroheating installations - General test methods	-	-
IEC 60519-1	- ¹⁾	Safety in electroheat installations Part 1: General requirements	EN 60519-1	2003 ²⁾
IEC 60519-3	- ¹⁾	Safety in electroheat installations Part 3: Particular requirements for induction and conduction heating and induction melting installations	EN 60519-3	2005 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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