



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 909:1999

ICS 65.060.35

**AGRICULTURAL AND FORESTRY
MACHINERY - CENTRE PIVOT AND MOVING
LATERAL TYPES IRRIGATION MACHINES -
SAFETY**

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800

Tel: (01) 807 3838

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English version

**Agricultural and forestry machinery - Centre pivot and moving
lateral types irrigation machines - Safety**

Matériel agricole et forestier - Machines à irriguer types
pivot et rampes frontales - Sécurité

Land- und Forstwirtschaftliche Maschinen - Kreis- und
Linearberegnungsmaschinen - Sicherheit

This European Standard was approved by CEN on 28 November 1998.

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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 Central Secretariat has the same status as the official versions.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard was prepared 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of an identical text or by endorsement, at the latest by June 1999, and conflicting national standards shall be withdrawn at the latest by June 1999.

This European 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).

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

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

Annex A is normative and contains the "List of hazards".

0 Introduction

The extent to which hazards are covered is indicated in the scope of this standard. These hazards are specific to centre pivot and moving lateral types irrigation machines.

1 Scope

This standard specifies specific safety requirements and their verification for the design and construction of center pivot and moving lateral types irrigation machines that are electrically powered.

NOTE : Figures 1 to 5 give illustrations of these machines.

In addition, it specifies the type of information on safe working practices to be provided by the manufacturer.

The list of significant hazards dealt with in this standard is given in annex A. Annex A also indicates the hazards which have not been dealt with.

Hazards due to the use of the pump associated with center pivot and moving lateral types irrigation machines are not dealt with.

Hazards induced by the use of these machines for pesticide products and liquid fertilizer application are not dealt with.

Environmental aspects have not been considered in this standard.

This standard applies primarily to machines which are manufactured after the date of issue of the standard.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 292-1	1991	Safety of machinery - Basic concepts, general principles for design - Part 1 : Basic terminology, methodology
EN 292-2	1991	Safety of machinery - Basic concepts, general for design - Part 2 : Technical principles and specification (including amendment A1:1995)
EN 294	1992	Safety of machinery. Safety distances to prevent danger zones being reached by the upper limbs
prEN 12325-2	1996	Irrigation techniques - Centre pivots and moving lateral systems - Part 2 : Minimum performances and technical characteristics
EN 60204-1	1992	Safety of machinery - Electrical equipment of machines - Part 1 : General requirements

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