

Irrigation techniques — Centre pivot and moving lateral systems —

Part 2: Minimum performances and technical characteristics

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ICS 65.060.35

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 15 and a back cover.

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This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 November 1999

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ISBN 0 580 35371 0

Amendments issued since publication

Amd. No.	Date	Comments

English version

Irrigation techniques — Centre pivot and moving lateral systems — Part 2: Minimum performances and technical characteristics

Techniques d'irrigation - Installations avec pivots et rampes
frontales - Partie 2: Performances et caractéristiques
techniques minimales

Bewässerungsverfahren - Kreis- und
Linearberegnungsverfahren - Teil 2: Mindestanforderungen
und technische Kennwerte

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COMITÉ EUROPÉEN DE NORMALISATION
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Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 334, Irrigation techniques, 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of an identical text or by endorsement, at the latest by February 2000, and conflicting national standards shall be withdrawn at the latest by February 2000.

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.

Within its programme of work, Technical Committee CEN/TC 334, Irrigation techniques, charged working group CEN/TC 334/WG 2, Centre pivot and moving laterals, to prepare the following standard:

- EN 12325-2, *Irrigation techniques - Centre pivot and moving lateral systems - Part 2: Minimum performances and technical characteristics.*

The other standards concerning the irrigation techniques are:

- EN 12325-1, *Irrigation techniques - Centre pivot and moving lateral systems - Part 1: Presentation of the technical characteristics;*
- EN 12325-3, *Irrigation techniques - Centre pivot and moving lateral systems - Part 3: Terminology and classification;*
- prEN ISO 11545, *Agricultural irrigation equipment – Centre-pivot and moving lateral irrigation machines with sprayer or sprinkler nozzles – Determination of uniformity of water distribution (ISO/DIS 11545:1999).*

1 Scope

This European Standard defines and specifies the minimum performances of the machines. It gives a minimum quality level to which the manufacturers shall refer to.

It takes into account the mechanical, electrical, hydraulic and agronomic aspects.

This standard is to be applied to fixed and movable centre pivots as well as to the different categories of moving laterals.

This standard doesn't deal with safety problems; those aspects are treated in EN 909.

This standard doesn't deal with specific problems for impact on environment.

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 the European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 292-2:1991, *Safety of machinery - Basic concepts, general principles for design - Part 2: Technical principles and specifications.*

ENV 1991-2-4, *Eurocode 1: Basis of design and actions on structures - Part 2-4: Actions on structures - Wind actions.*

EN 60204-1, *Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1:1997).*

EN 909, *Agricultural and forestry machinery - Centre pivot and moving lateral types irrigation machines - Safety.*

ENV 1993-1-1/A2, *Eurocode 3: Design of steel structures - Part 1-1/A2: General rules and rules for buildings - Annexes G, H, J revised, N and Z.*

EN 12324-2:1999, *Irrigation techniques - Reel machine systems - Part 2: Specifications of polyethylene tube for reel machines.*

EN 12325-1:1998, *Irrigation techniques - Centre pivot and moving lateral systems - Part 1: Presentation of the technical characteristics.*

EN 12325-3, *Irrigation techniques - Centre pivot and moving lateral systems - Part 3: Terminology and classification.*

prEN ISO 11545:1999, *Agricultural irrigation equipment - Centre-pivot and moving lateral irrigation machines with sprayer or sprinkler nozzles - Determination of uniformity of water distribution (ISO/DIS 11545:1999).*

ISO 7749-1:1995, *Agricultural irrigation equipment - Rotating sprinklers - Part 1: Design and operational requirements.*

ISO 8026:1995, *Agricultural irrigation equipment - Sprayers - General requirements and test methods.*

ISO 8224-2, *Traveller irrigation machines - Part 2: Softwall hose and couplings - Test methods.*

ISO 8779:1992, *Polyethylene (PE) pipes for irrigation laterals - Specifications.*

ISO 12374, *Agricultural irrigation - Wiring and equipment for electrically driven or controlled irrigation machines.*

ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles - Specifications and test methods.*