

SVENSK STANDARD

SS-EN 16297-3:2012



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Pumpar – Roterande pumpar – Cirkulationspumpar utan axeltätning – Del 3: Energieffektivitetsindex (EEI) för integrerade cirkulationspumpar

Pumps – Rotodynamic pumps – Glandless circulators – Part 3: Energy efficiency index (EEI) for circulators integrated in products



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Denna standard är framtagen av kommittén för Pumpar, SIS/TK 227.

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EUROPEAN STANDARD

EN 16297-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2012

ICS 23.080

English Version

**Pumps - Rotodynamic pumps - Glandless circulators - Part 3:
Energy efficiency index (EEI) for circulators integrated in
products**

Pompes - Pompes rotodynamiques - Circulateurs sans
presse-étoupe - Partie 3: Calcul de l'indice d'efficacité
énergétique (EEI) pour les circulateurs intégrés dans des
produits

Pumpen - Kreiselpumpen - Umwälzpumpen in
Nassläuferbauart - Teil 3: Berechnung des
Energieeffizienzindex (EEI) von in Produkte integrierten
Umwälzpumpen

This European Standard was approved by CEN on 18 August 2012.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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Foreword

This document (EN 16297-3:2012) has been prepared by Technical Committee CEN/TC 197 "Pumps", 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of an identical text or by endorsement, at the latest by April 2013, and conflicting national standards shall be withdrawn at the latest by April 2013.

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 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 document.

EN 16297 consists of the following parts under the general title *Pumps — Rotodynamic pumps — Glandless circulators*:

- Part 1: General requirements and procedures for testing and calculation of energy efficiency index (EEI);
- Part 2: Calculation of energy efficiency index (EEI) for standalone circulators;
- Part 3: Energy efficiency index (EEI) for circulators integrated in products.

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Introduction

This European Standard has been prepared under mandate M/469 EN of 22 June 2010 given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Requirements of the EU Directive 2005/32/EC of 6 July 2005 and Commission Regulation (EC) 641/2009 of 22 July 2009 by describing procedures for measurement and calculation of hydraulic power, power consumption, and energy efficiency index of