

STN	Čerpadlá Metódy kvalifikácie a verifikácie indexu energetickej účinnosti hydrodynamických čerpacích agregátov Časť 1: Všeobecné požiadavky a postupy skúšania a výpočtu indexu energetickej účinnosti (EEI) Oprava AC	STN EN 17038-1/AC 11 0035
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Pumps - Methods of qualification and verification of the Energy Efficiency Index for rotodynamic pump units - Part 1: General requirements and procedures for testing and calculation of Energy Efficiency Index (EEI)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/21

Obsahuje: EN 17038-1:2019/AC:2021

134140

EUROPEAN STANDARD

EN 17038-1:2019/AC

NORME EUROPÉENNE

October 2021

EUROPÄISCHE NORM

ICS 23.080

English version

Pumps - Methods of qualification and verification of the Energy Efficiency Index for rotodynamic pump units - Part 1: General requirements and procedures for testing and calculation of Energy Efficiency Index (EEI)

Pompes - Méthodes de qualification et de vérification de l'indice de rendement énergétique des groupes motopompes rotodynamiques - Partie 1 : Exigences générales et procédures d'essai et de calcul de l'indice de rendement énergétique (EEI)

Pumpen - Methoden zur Qualifikation und Verifikation des Energieeffizienzindex für Kreiselpumpen - Teil 1: Allgemeine Anforderungen und Vorgehensweisen zur Prüfung und Berechnung des Energieeffizienzindex (EEI)

This corrigendum becomes effective on 13 October 2021 for incorporation in the official English version of the EN.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Ref. No.: EN 17038-1:2019/AC:2021 E

EN 17038-1:2019/AC:2021(E)**1 Modification to Annex A**

In Annex A, text after Figure A.3, 2nd paragraph, add at the end of the main sentence "the smaller" to read:

"Generally, the width of the confidence interval is the smaller:

- the smaller the performance scatter within the pump unit type population is (what requires good manufacturing quality, small manufacturing tolerances).

In the case of sample tests the width of the confidence interval is the smaller:

- the smaller the measurement uncertainties of the tests on the sample pump units are (this requires high accuracy of measuring equipment and small random errors, Annex D),
- the larger the number M of tested sample pump units is, see Annex B.

In case the semi-analytical models are applied, the confidence interval is smaller:

- the smaller the model errors of the applied models are (what depends on the type of the models, see specific parts of this standard).

Two possibilities to determine – based on tests as described in the subsequent parts of this standard on sample pump units - the confidence interval of the mean EEI -value for a pump unit type are described in detail in Annex B."

2 Modification to C.2

Replace the sentence before Formula (C.3) and Formula (C.3) with the following:

"Formula (C.3) can be written as:

$$p(Z) = \frac{1}{\sqrt{2\pi}} \cdot \exp\left(-\frac{Z^2}{2}\right) \quad (C.3)$$

".

