SLOVENSKI STANDARD
oSIST prEN 16796-4:2018

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Vozila za talni transport - Energijska učinkovitost - Preskusne metode - 4. del: Vozila za talni transport s spremenljivim dosegom

Energy efficiency of industrial trucks - Test methods - Part 4: Variable-reach rough-terrain trucks

Energieeffizienz von Flurförderzeugen - Testmethoden - Teil 4: Geländegängige Flurförderzeuge mit veränderlicher Reichweite

Efficacité énergétique des chariots de manutention - Méthodes d'essai - Partie 4: Chariots tout-terrain à portée-variable

Ta slovenski standard je istoveten z: **prEN 16796-4**

ICS:

27.015	Energijska učinkovitost. Ohranjanje energije na splošno	Energy efficiency. Energy conservation in general
53.060	Industrijski tovornjaki	Industrial trucks

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Energy efficiency of industrial trucks - Test methods - Part 4: Variable-reach rough-terrain trucks

Efficacité énergétique des chariots de manutention - Méthodes d'essai - Partie 4: Chariots tout-terrain à portée-variable

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (prEN 16796-4:2017) has been prepared by Technical Committee CEN/TC 150 “Industrial Trucks - Safety”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

EN 16796 consists of the following parts, under the general title Energy efficiency of Industrial trucks — Test methods:

— Part 1: General

— Part 2: Operator controlled self-propelled trucks, towing tractors and burden-carrier trucks

— Part 3: Container handling lift trucks

— Part 4: Energy efficiency of industrial trucks - Test methods - Part 4: Variable-reach rough-terrain trucks

— Part 5: Trucks with elevating operator position and trucks specifically designed to travel with elevated loads

1 Scope

This document specifies the method of power consumption measurement for non-slewing variable reach rough terrain trucks as defined in ISO 5053-1 herein after referred to as trucks.

This document should be used in conjunction with EN 16796-1, where the requirements of this part differ from that in part 1 – requirements in this part 4 will take precedent.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 16796-1:2016, *Energy efficiency of Industrial trucks — Test methods — Part 1: General*

ISO 5053-1, *Industrial trucks — Terminology and classification — Part 1: Types of industrial trucks*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5053-1 and EN 16796-1 together with the following apply.

3.1
eco-mode system
system designed to improve fuel consumption and/or efficiency

4 Test conditions

The test conditions are given in Clause 4 of EN 16796-1:2016.

5 Measurement procedure

5.1 General

EN 16796-1 applies together with the following clauses that are describing specific information for the trucks.

Where fuel usage cannot be accurately measured directly from the fuel tank as per (EN 16796-1:2016, 5.3) the manufacturer may choose to indirectly measure fuel usage by the introduction of a secondary removable fuel tank to calculate fuel usage by weight after the tests are performed.

Where products are fitted with an ECO mode operated by the user and intended to reduce fuel consumption, a comparative test shall be carried out showing with and without ECO-mode operation.

NOTE Eco-mode systems control machines in a variety of ways, the most common being the control of engine speed when less power is required for specific applications. Indication is given to the operator when selectable eco-mode is in operation.

5.2 Truck duty phases

5.2.1 General

The four phases described below are the general duties expected of a truck.

Travelling is not permitted whilst lifting/lowering, or tilting operation. Simultaneous operation is not permissible.