

Irish Standard I.S. EN 16796-3:2016

Energy efficiency of Industrial trucks - Test methods - Part 3: Container handling lift trucks

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I.S. EN 16796-3:2016

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National Foreword

I.S. EN 16796-3:2016 is the adopted Irish version of the European Document EN 16796-3:2016, Energy efficiency of Industrial trucks - Test methods - Part 3: Container handling lift trucks

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EUROPEAN STANDARD

EN 16796-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2016

ICS 53.060

English Version

Energy efficiency of Industrial trucks - Test methods - Part 3: Container handling lift trucks

Efficacité énergétique des chariots de manutention - Méthodes d'essai - Partie 3 : Chariots élévateurs porte-

Energie Effizienz von Flurförderzeugen - Testmethoden - Teil 3: Container Stapler

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EN 16796-3:2016 (E)

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European foreword

This document (EN 16796-3:2016) has been prepared by Technical Committee CEN/TC 150 "Industrial Trucks - Safety", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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.

The following parts are under preparation:

- Part 4: Rough-terrain trucks;
- Part 5: Trucks with elevating operator position and trucks specifically designed to travel with elevated loads.

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EN 16796-3:2016 (E)

1 Scope

This European Standard specifies the method of energy consumption measurement for container handling lift trucks, as defined in ISO 5053-1.

This part is intended to be used in conjunction with EN 16796-1.

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 668, Series 1 freight containers — Classification, dimensions and ratings

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

ISO 5353, Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point

ISO 22915-9:2014, Industrial trucks — Verification of stability — Part 9: Counterbalanced trucks with mast handling freight containers of 6 m (20 ft) length and longer

ISO 22915-12:2015, Industrial trucks — Verification of stability — Part 12: Industrial variable-reach trucks handling freight containers of 6 m (20 ft) length and longer

3 Terms and definitions

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

4 Test conditions

4.1 General

The travelling position shall be such that the bottom of the container is no higher than 0,9 m above the seat index point (SIP) as defined in ISO 5353 (see ISO 22915-9:2014, 4.2 and ISO 22915-12:2015, 4.2), and at a height ensuring that the operator has sufficient forward visibility.

In the travelling position the boom shall be fully retracted.

Additional requirements for test conditions are given in EN 16796-1.

4.2 Laden container handler

A laden container handler shall be tested with a test load of 70 % of the rated load.

4.3 Empty container handler

An empty container handler shall be tested with an empty container according to ISO 668.

A container with a height of 8'6'' and a length of 20' (20 ft) shall be used in the test. (weight of 20 ft container minimum $2 \ 200 \text{ kg}$)



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