BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

औद्योगिक ट्रकों की ऊर्जा दक्षता परीक्षण विधियाँ भाग 2: ऑपरेटर नियंत्रित स्व-चालित ट्रक, टोइंग और बोझ वाहक ट्रक

Draft Indian Standard

Energy efficiency of industrial trucks Test methods
Part 2: Operator controlled self-propelled trucks, towing and burden carrier trucks

ICS: 53.060

Transport Tractors, Trailers and Industrial Trucks	Last Date for Comments: 23 Aug 2024
Sectional Committee, TED 22	

Transport Tractors, Trailers and Industrial Trucks Sectional Committee, TED 22

NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 23308-2: 2020 'Energy efficiency of industrial trucks — Test methods — Part 2: Operator controlled self-propelled trucks, towing and burden carrier trucks' issued by International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on the recommendations of Transport Tractors, Trailers and Industrial Sectional Committee and after approval of the Transport Engineering Division Council.

The text of ISO standard is proposed for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this daft standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

International Standard	Corresponding Indian Standards	Degree of
	S S	Equivalence
ISO 3691-1:2011	TED/22/20354	Modified/Technically
Industrial trucks — Safety	(Modified/Technically Equivalent	Equivalent
requirements and	To: ISO 3691-1:2011)	
verification — Part 1: Self-	Industrial Trucks Safety	
propelled industrial trucks,	Requirements And Verification	
other than driverless trucks,	Part 1: Self -Propelled Industrial	
variable-reach trucks and	Trucks Other Than Driverless	
burden-carrier trucks	Trucks Variable -Reach Trucks	
	And Burden-Carrier Trucks	
	(Under Development)	
ISO 5053-1	TED/22/23833	Identical Under
Industrial trucks —	IS 7217: 1990	Single Numbereing
Terminology and classification — Part 1: Types	(Identical To: ISO 5053-1: 2020)	_

of industrial trucks	Classification And Nomenclature	
	Of Powered Industrial Trucks	
	Second Revision	

The technical committee may review the provisions of following International Standards referred in this adopted standard and may decide if they are acceptable for use in conjunction with this draft standard:

International Standard	Title
ISO 23308-1:2020	Energy efficiency of industrial trucks Test methods-Part 1: General

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

In reporting the result of a test or analysis made in accordance with this standard, is to be rounded Off, it shall be done in accordance with IS 2: 2022 'Rules for rounding off numerical values (second revision)'.

SCOPE

This document specifies the method of energy consumption measurement for the following types of industrial trucks as defined in ISO 5053-1:

- counterbalance lift truck;
- articulated counterbalance lift truck;
- reach truck (with retractable mast or fork arm carriage);
- straddle truck;
- pallet-stacking truck;
- pallet truck;
- platform and stillage truck;
- pallet truck end controlled;
- order-picking truck;
- centre-controlled order-picking truck;
- towing, pushing tractor and burden carrier;
- towing and stacking tractor;
- side-loading truck (one side only);
- lateral-stacking truck (both sides);
- lateral-stacking truck (three sides);
- multi-directional lift truck.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 3691-4: 2023 or **CONTACT:**

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