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**Fork lift trucks—Standard form of
specifications**

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Health, Labour and Welfare and the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Industrial Vehicles Association (JIVA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS D 6202 : 1995** is replaced with this Standard.

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Fork lift trucks—Standard form of specifications

Introduction

This Japanese Industrial Standard was established in 1976 and has gone through two revisions to this day. The revision at this time is intended to reflect the changes in the normative references and reference standards, which have been revised since the last revision of this Standard made in 1995.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies the main items to be included in the specifications of counterbalanced fork lift trucks and reach fork lift trucks and the procedure of filling the standard form of these specifications.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this Standard. For standard indicated below, only the edition of the indicated year shall be applied and any revisions (including amendments) made thereafter shall not be applied.

JIS D 6201:1999 *Glossary of terms relating to fork lift trucks*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in JIS D 6201 apply.

4 Items of specifications

The items to be included in the specifications shall be as follows.

Determination of these items and writing procedure of specifications are given in Annex A.

- a) Counterbalanced fork lift trucks of internal combustion engine type, those of battery type and reach fork lift trucks (battery type) shall be in accordance with table 1, table 2 and table 3, respectively.
- b) Each item of specifications is to provide the dimensions and outline of performance of fork lift trucks, and where necessary, drawings such as overall schematic drawings shall be attached to the specifications.

**Table 1 Items of specifications for counterbalanced fork lift truck
(internal combustion engine type)**

Division	No.	Item	Epitome	Symbol	Unit	Informative
Type	1.1	Manufacturer				
	1.2	Type of vehicle				
	1.3	Rated capacity			kg	
	1.4	Rated load centre distance			mm	
	1.5	Type of engine	gasoline/diesel/LPG			
Dimensions	2.1	Specified lifting height		h_3	mm	
	2.2	Free lift height		h_2	mm	
	2.3	Inclination of mast	forward/backward	α / β	deg	
	2.4	Shape of fork arm carriage				In accordance with JIS D 6024
	2.5	Shape of fork arms	length/width/thickness	$l/w/t$	mm	
	2.6	Fork spread	maximum/minimum	B_3/B_4	mm	
	2.7	Overall length	to the tip of fork arms	L_1	mm	
	2.8	Length of vehicle	to the vertical front surface of fork arms	L_2	mm	
	2.9	Total width		B	mm	
	2.10	Height of mast		h_1	mm	
	2.11	Overall height with mast extended		h_4	mm	
	2.12	Height of overhead guard		h_5	mm	
	2.13	Front overhang		F	mm	
	2.14	Minimum outside turning radius		R	mm	In accordance with JIS D 6001
	2.15	Practical width of right angle aisle	1 100 × 1 100 pallet		mm	
	2.16	Practical width of aisle for right-angle stacking	1 100 × 1 100 pallet	A_s	mm	
Performance	3.1	Travelling speed	forward travel (loaded/unloaded)		km/h	
	3.2		reverse travel (loaded/unloaded)		km/h	
	3.3	Lifting speed	loaded/unloaded		mm/s	
	3.4	Lowering speed	loaded/unloaded		mm/s	
	3.5	Maximum drawbar pull	continuously for 3 min, 1.5 km/h or over		N	If different, indicate the condition.
	3.6	Maximum gradability	continuously for 3 min, 1.5 km/h or over		%	Mass at the time of operation

Table 1 (concluded)

Division	No.	Item	Epitome	Symbol	Unit	Informative
Mass	4.1	Mass of vehicle			kg	Mass at the time of operation
	4.2	Axial load	loaded (front/rear)		kg	
	4.3		unloaded (front/rear)		kg	
Running gear	5.1	Number of wheels	front wheel/rear wheel (X=driving wheel)			
	5.2	Designation of tyre/type	front wheel			
	5.3		rear wheel			
	5.4	Wheelbase		L_3	mm	
	5.5	Tread	front wheel		mm	
	5.6		rear wheel		mm	
	5.7	Ground clearance	Lowest	m_1	mm	
	5.8		Middle of wheelbase	m_2	mm	
	5.9	Main brake	mechanical/hydraulic/electric/air			
	5.10	Parking brake	foot/manual/deadman			
Driving gear	6.1	Internal combustion engine	manufacturer/type			
	6.2		rated output		kW/rpm	
	6.3		maximum torque		Nm/rpm	
	6.4		total displacement		L	
	6.5		fuel tank capacity		L	
	6.6		fuel consumption		L/h	
	6.7	Transmission	type/number of speed gears			
	6.8	Clutch	type			
Others	7.1	Hydraulic circuit set pressure for cargo handling	for attachment		MPa	