Order picking truck 1.0 ton



BT optio

M-series

OME100M

OME100











TOYOTA

MATERIAL HANDLING

www.toyota-forklifts.eu

Order picking truck

Truck specifications					OME100M	OME100
Identification	1.1	Manufacturer			Toyota	Toyota
	1.2	Model			OME100M	OME100
	1.3	Drive			Electric	Electric
	1.4	Operator type			Stand on	Stand on
	1.5	Load capacity/rated load	Q	kg	850/1000	850/1000
	1.6	Load centre	c	mm	600/500	600/500
	1.8	Load distance, centre of load axle to fork	x	mm	225 [1]	225 [1]
	1.9	Wheelbase	y	mm	1441	1441
Weight	2.1	Service weight with battery		kg	2000	1740
	2.2	Axle load, with load, drive/fork wheel		kg	697/1228	609/1135
	2.3	Axle load, without load, drive/fork wheel		kg	1176/490	1058/410
Wheels	3.1	Drive/fork wheel			Vulkollan	Vulkollan
	3.2	Wheel size, front		mm	Ø 230 x 85	Ø 230 x 85
	3.3	Wheel size, rear		mm	Ø 250 x 92	Ø 250 x 92
	3.5	Wheels, number front/rear (x = driven wheels)			2/1x	2/1x
	3.6	Track width, front	b_{10}	mm	850	850
Dimensions	4.2	Height, mast lowered	h_1	mm	2650	1460
	4.4	Lift	h_3	mm	3900	1450
		Lift height	h_{23}	mm	4760	2310
	4.5	Height, mast extended	h_4	mm	6350	2940
	4.7	Height of overhead guard (cab)	h_6	mm	2390	—
	4.8	Stand height	h_7	mm	300	300
	4.11	Initial lift movement	h_9	mm	780	780
	4.14	Stand height, elevated	h_{12}	mm	4200	1750
	4.14.1	Picking height (h_{12} + 1600 mm)	h_{28}	mm	5800	3350
	4.19	Overall length	l_1	mm	2670	2670
	4.20	Length to face of forks	l_2	mm	1870 [1]	1870 [1]
	4.21	Overall width [2]	b_1/b_2	mm	970/1000	970/1000
	4.22	Fork dimensions	s/e/l	mm	62/115/800	62/115/800
	4.25	Width over forks	b_5	mm	560/685/776	560/685/776
	4.32	Ground clearance, centre of wheelbase	m_2	mm	60 [3]	60 [3]
	4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	1500	1400
	4.34	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	1250	1200
	4.35	Turning radius	W_a	mm	1660	1660
	4.41	Transfer aisle width, 800x1200 lengthways	Au	mm	3140	3140
	4.44	Clear width driver compartment entrance	l_{24}	mm	425	425
Performance data	5.1	Travel speed, with/without load		km/h	9,0/9,0	9,0/9,0
	5.2	Lift speed, with/without load		m/s	0,20/0,25	0,20/0,25
	5.3	Lowering speed, with/without load		m/s	0,40/0,37	0,40/0,37
	5.9	Acceleration time (0-10 meters), with/without load		s	6,9/5,9	6,9/5,9
	5.10	Service brake			Electric	Electric
Electric motor	6.1	Drive motor rating S2 60 min		kW	1,8	1,8
	6.2	Lift motor rating S3 20%		kW	5,0	5,0
	6.4	Battery voltage, nominal capacity K_5		V/Ah	24/500	24/500
	6.5	Battery weight		kg	375	375
	6.6	Energy consumption acc to VDI cycle [5]		kWh/h	2,91	— [5]
Other	8.1	Type of drive control			Transistor stepless	Transistor stepless
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)	< 61	< 61
	8.6	Steering			Electric	Electric

1) With adjustable fork add 38 mm to l_2 and x.
2) b_1 = chassis width, b_2 = cab width.
3) 25 mm if wire guided.
4) Measured according to company standard.
5) Contact your supplier for information.

All data are based on table configuration. Other configurations may give other values.
Truck performance and dimensions are nominal and subject to tolerances.
Toyota Material Handling Manufacturing Sweden AB products and specifications are subject to change without notice.

Mast dimensions

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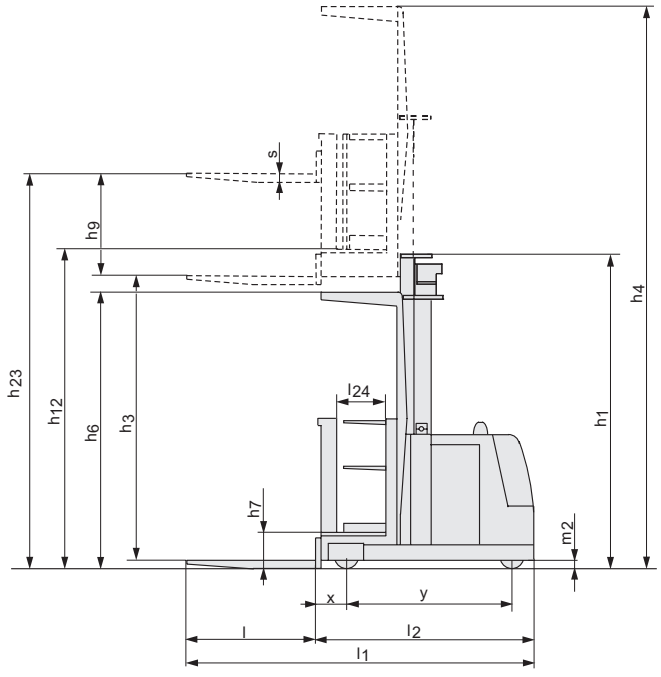
Mast				OME100M					OME100
	Platform height	h_{12}	mm	2000	2950	3600	4200	4700	1750
OME100M, OME100	Height, mast lowered	h_1	mm	2400	2400	2400	2650	2900	1460
	Lift movement	h_3	mm	1700	2650	3300	3900	4400	1450
	Heigh, mast extended	h_4	mm	4150	5080	5760	6350	6850	2940
	Auxiliary lift movement	h_9	mm	780	780	780	780	780	780
	Picking height	h_{28}	mm	3600	4550	5200	5800	6300	3350
	Total lift height	h_{23}	mm	2560	3510	4160	4760	5260	2310

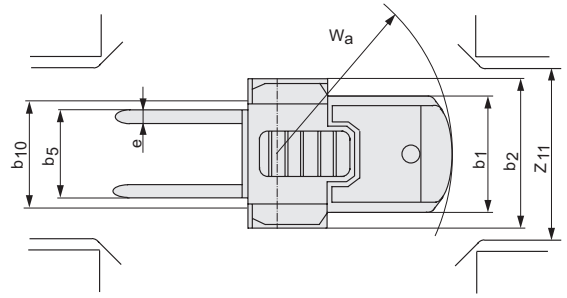
Working aisle widths

	Standard values			Rail guided trucks				Wire guided trucks			
				EUR pallet		CHEP pallet		EUR pallet		CHEP pallet	
OME100M, OME100	Handling type			LS	SS	LS	SS	LS	SS	LS	SS
	Pallet length		mm	800	1200	1000	1200	800	1200	1000	1200
	Pallet width		mm	1200	800	1200	1000	1200	800	1200	1000
	Chassis width	b_1	mm	970	970	970	970	970	970	970	970
	Distance between pallets in aisle	Ast	mm	1400	1200	1400	1200	1500	1250	1500	1300
	Transfer aisle, VDI Theoretical [1]	Ast_3	mm	2848	3140	3024	3170	2848	3140	3024	3170
	Transfer aisle, Practical [1]	Ast_3	mm	3348	3640	3524	3670	3848	4140	4024	4170

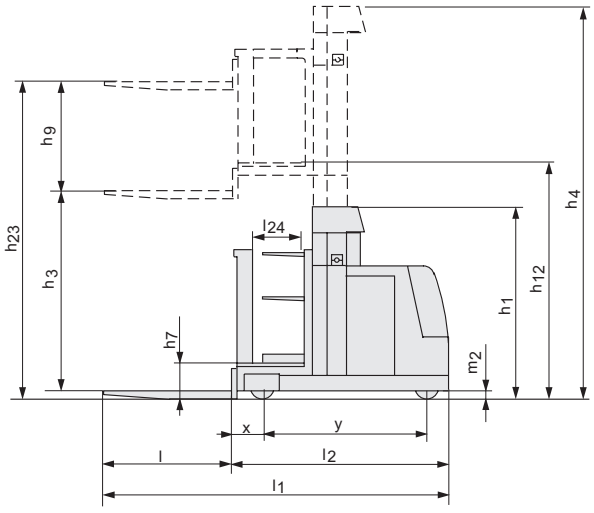
1) For machines with adjustable forks, add +40 mm to the above values.
LS = Long side pallet handling.
SS = Short side pallet handling.

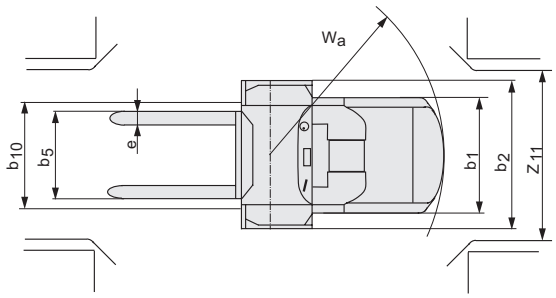
OME100M





OME100





Truck features:

- BT Optipace system
- Clear-view mast
- Driver detection system
- Elevating platform
- Height adjustable control panel with intuitive controls.
- Information display showing all vital information
- Programmable performance
- Controls, display and backrest can be switched from front to rear or vice versa within minutes.
- Wire/rail guidance
- Electronic braking system
- Adjustable backrest
- Storage compartments

TP-Technical Publications, Sweden — 748150-040, version 4, 2017-10-31

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TOYOTA MATERIAL HANDLING IN EUROPE, MANAGING THE TOYOTA AND BT MATERIALS HANDLING BRANDS IN EUROPE.