

Order picking truck 1.2 ton

BT optio
H-series
OME120HW



Order picking truck

Truck specifications					OME120HW, Duplex mast	OME120HW, Triplex mast
Identification	1.1	Manufacturer			Toyota	Toyota
	1.2	Model			OME120HW, Duplex mast	OME120HW, Triplex mast
	1.3	Drive			Electric	Electric
	1.4	Operator type			Stand on	Stand on
	1.5	Load capacity/rated load	Q	kg	1080	1080
	1.6	Load centre	c	mm	600	600
	1.8	Load distance, centre of load axle to fork face	x	mm	193	218
	1.9	Wheelbase	y	mm	1477	1503
	Weight	2.1	Service weight including battery		kg	3747
2.2		Axle load, with load, drive/fork wheel		kg	1500/3382	1518/3375
2.3		Axle load, without load, drive/fork wheel		kg	2107/1640	2126/1665
Wheels	3.1	Drive/fork wheel			Polyurethane	Polyurethane
	3.2	Wheel size, front		mm	Ø 230 x 110	Ø 230 x 110
	3.3	Wheel size, rear		mm	Ø 350 x 140	Ø 350 x 140
	3.5	Wheels, number front/rear (x = driven wheels)			2/1 (*)	2/1 (*)
	3.6	Track width, front	b ₁₀	mm	1110	1110
	Dimensions	4.2	Height, mast lowered	h ₁	mm	4402
4.4		Lift movement	h ₃	mm	7189	6987
		Lift height	h ₂₃	mm	7268	7067
4.5		Height, mast extended	h ₄	mm	9600	9400
4.7		Height of overhead guard (cab)	h ₆	mm	2402	2402
4.8		Stand height	h ₇	mm	305	305
4.11		Initial lift movement	h ₉	mm	—	—
4.14		Stand height, elevated	h ₁₂	mm	7500	7300
4.14.1		Picking height (h ₁₂ + 1600 mm)	h ₂₈	mm	9100	8900
4.19		Overall length	l ₁	mm	3133	3209
4.20		Length to face of forks	l ₂	mm	1882	1959
4.21		Overall width ¹⁾	b ₁ /b ₂₂	mm	1250/1010	1250/1010
4.22		Fork dimensions	s/e/l	mm	62/115/1250	62/115/1250
4.25		Width over forks	b ₅	mm	560	560
4.31		Ground clearance, with load, below mast	m ₁	mm	52	52
4.32		Ground clearance, centre of wheelbase	m ₂	mm	52	52
4.33		Aisle width for pallets 1000x1200 crossways	A _{st}	mm	1610	1610
4.34		Aisle width for pallets 800x1200 lengthways	A _{st}	mm	1450	1450
4.35		Turning radius	W _a	mm	1689	1741
4.41		Transfer aisle width, 800x1200 lengthways	Au	mm	3341	3416
4.44	Clear width driver compartment entrance	l ₂₄	mm	555	555	
Performance data	5.1	Travel speed, with/without load		km/h	12,0/12,0	12,0/12,0
	5.2	Lift speed, with/without load		m/s	0,35/0,40	0,35/0,40
	5.3	Lowering speed, with/without load		m/s	0,45/0,45	0,45/0,45
	5.9	Acceleration time (0-10 meters), with/without load		s	6,0/5,5	6,0/5,5
	5.10	Service brake			Electric	Electric
Electric motor	6.1	Drive motor rating S2 60 min		kW	7,5	7,5
	6.2	Lift motor rating S3 15%		kW	11	11
	6.4	Battery voltage, nominal capacity K ₅		V/Ah	48/465	48/620
	6.5	Battery weight		kg	725-810	925-1035
	6.6	Energy consumption acc to VDI cycle		kWh/h	3,09	3,33
	Other	8.1	Type of drive control			Variable AC
8.4		Sound level at the driver's ear according to EN 12 053		dB(A)	60	60
8.6		Steering			Electric	Electric

1) b₁ = chassis width, b₂₂ = outer load frame width

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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Chassis width, b_1 (mm)			Battery	Duplex Telescopic						Triplex Telescopic						
OME120HW	1250	465/620Ah	X/X	X/X	X/X	X/X	X/X	—/X	—/X	X/X	X/X	X/X	X/X	—/X	—/X	
	Platform height	h_{12}	mm	5500	6000	6500	7000	7500	8000	8500	5500	6100	7300	8200	9500	10500
	Height, mast lowered	h_1	mm	3402	3652	3902	4152	4402	4652	4902	2657	2857	3367	3867	4300	4933
	Lift movement	h_3	mm	5189	5689	6189	6689	7189	7689	8189	5187	5787	6987	7887	9187	10187
	Height, mast extended	h_4	mm	7600	8100	8600	9100	9600	10100	10600	7600	8200	9400	10300	11600	12600
	Picking height	h_{28}	mm	7100	7600	8100	8600	9100	9600	10100	7100	7700	8900	9800	11100	12100
	Total lift height	h_{23}	mm	5268	5768	6268	6768	7268	7768	8268	5267	5867	7067	7967	9266	10266

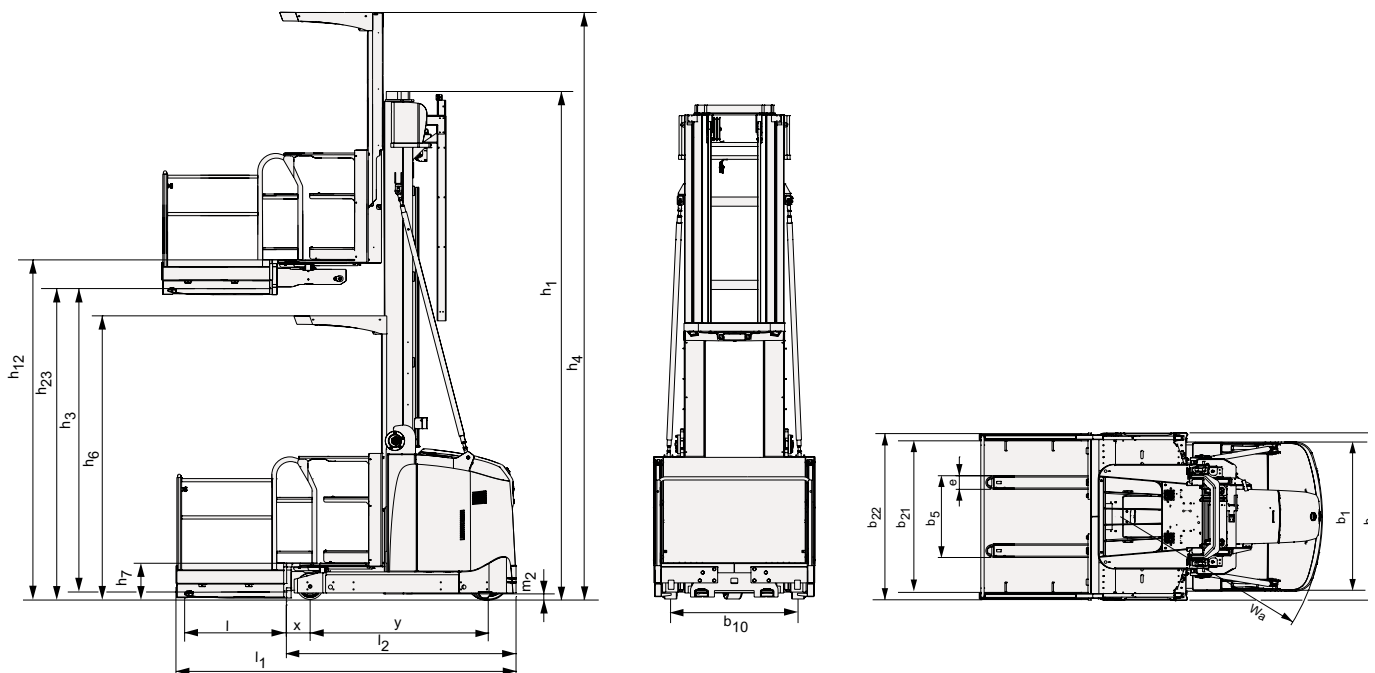
X = Available combination
 — = Non available combination

Working aisle widths

OME120HW	Standard values			Rail guided trucks				Wire guided trucks			
				EUR pallet		CHEP pallet		EUR pallet		CHEP pallet	
	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	
Load frame inner dim. ($b_{21} \times l_{21}$)		mm	1290 x 820	890 x 1220	1290 x 1020	1090 x 1220	1290 x 820	890 x 1220	1290 x 1020	1090 x 1220	
Load frame outer dim. ($b_{22} \times l_{22}$)		mm	1410 x 900	1010 x 1300	1410 x 1100	1210 x 1300	1410 x 900	1010 x 1300	1410 x 1100	1210 x 1300	
Chassis width	b_1	mm	1250	1250	1250	1250	1250	1250	1250	1250	
Distance between pallets in aisle	Ast	mm	1610	1450	1610	1450	1660	1450	1660	1450	
Transfer aisle, VDI Theoretical	Ast ₃	mm	3063	3341	3236	3375	3063	3341	3236	3375	
Transfer aisle, Practical ¹⁾	Ast ₃	mm	3563	3841	3736	3875	4063	4341	4236	4375	

LS = Long side pallet handling
 SS = Short side pallet handling

1) Transfer aisle requirement including recommended operation safety space. All values in table for Duplex mast. For Triplex mast add + 75 mm to table values.



Truck features:

- High picking heights
- Powerful drive & lift motor (AC)
- Regenerative power when braking and lowering the cab
- Spacious cab with storage compartments
- Height adjustable control panel with intuitive controls
- Information display showing all vital information
- E-bars for mounting of peripheral equipment
- Several load frames available
- Wire guidance or mechanical (rail) guidance in the aisle
- BT Optipace system for top performance in all handling situations
- Programmable performance

