

# Order picking truck 1.2 ton



## BT optio

*H-series*

OME120HW

(Narrow)



# Order picking truck

Truck specifications					OME120HW (Narrow), Duplex mast	OME120HW (Narrow), Triplex mast
Identification	1.1	Manufacturer			Toyota	Toyota
	1.2	Model			OME120HW (Narrow), Duplex mast	OME120HW, (Narrow), 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	3023
2.2		Axle load, with load, drive/fork wheel		kg	1097/3030	1436/3339
2.3		Axle load, without load, drive/fork wheel		kg	1696/1327	2051/1607
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 <sub>10</sub>	mm	910	910
	Dimensions	4.2	Height, mast lowered	h <sub>1</sub>	mm	3152
4.4		Lift movement	h <sub>3</sub>	mm	4689	5787
		Lift height	h <sub>23</sub>	mm	4768	5867
4.5		Height, mast extended	h <sub>4</sub>	mm	7100	8200
4.7		Height of overhead guard (cab)	h <sub>6</sub>	mm	2402	2402
4.8		Stand height	h <sub>7</sub>	mm	305	305
4.11		Initial lift movement	h <sub>9</sub>	mm	—	—
4.14		Stand height, elevated	h <sub>12</sub>	mm	5000	6100
4.14.1		Picking height (h <sub>12</sub> + 1600 mm)	h <sub>28</sub>	mm	6600	7700
4.19		Overall length	l <sub>1</sub>	mm	3133	3209
4.20		Length to face of forks	l <sub>2</sub>	mm	1882	1959
4.21		Overall width <sup>1)</sup>	b <sub>1</sub> /b <sub>22</sub>	mm	1050/1010	1050/1010
4.22		Fork dimensions	s/e/l	mm	62/115/1250	62/115/1250
4.25		Width over forks	b <sub>5</sub>	mm	560	560
4.31		Ground clearance, with load, below mast	m <sub>1</sub>	mm	52	52
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	52	52
4.33		Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm	1610	1610
4.34		Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm	1250	1250
4.35		Turning radius	W <sub>a</sub>	mm	1689	1741
4.41		Transfer aisle width, 800x1200 lengthways	Au	mm	3265	3340
4.44	Clear width driver compartment entrance	l <sub>24</sub>	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 <sub>5</sub>		V/Ah	48/465	48/465
	6.5	Battery weight		kg	725-810	725-810
	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) b<sub>1</sub> = chassis width, b<sub>22</sub> = 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		Mast type					
OME120HW (Narrow)	1050	465Ah		Duplex Telescopic				Triplex Telescopic	
	Platform height	$h_{12}$	mm	3550	3950	4500	5000	5500	6100
	Height, mast lowered	$h_1$	mm	2427	2627	2902	3152	2657	2857
	Lift movement	$h_3$	mm	3239	3639	4189	4689	5187	5787
	Height, mast extended	$h_4$	mm	5650	6050	6600	7100	7600	8200
	Picking height	$h_{28}$	mm	5150	5550	6100	6600	7100	7700
	Total lift height	$h_{23}$	mm	3318	3718	4268	4768	5267	5867

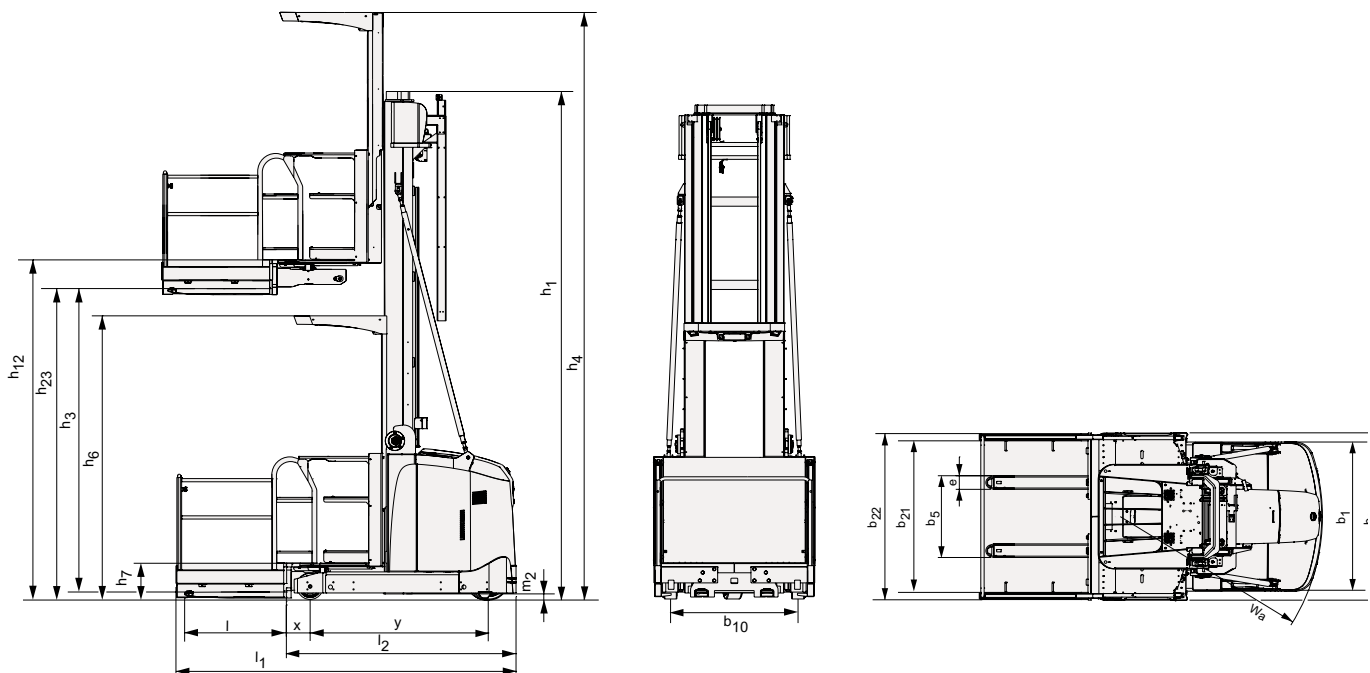
# Working aisle widths

OME120HW (Narrow) $b_1 = 1050$ mm	Standard values			Rail guided trucks				Wire guided trucks			
				EUR pallet		CHEP pallet		EUR pallet		CHEP pallet	
	Handling type		mm	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	1050	1050	1050	1050	1050	1050	1050	1050	
Distance between pallets in aisle	Ast	mm	1610	1250	1610	1410	1660	1260	1660	1460	
Transfer aisle, VDI Theoretical	Ast <sub>3</sub>	mm	2990	3265	3162	3300	2990	3265	3162	3300	
Transfer aisle, Practical <sup>1)</sup>	Ast <sub>3</sub>	mm	3490	3765	3662	3800	3990	4265	4162	4300	

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.



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## 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



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