



Product Information

OP 1000SE
OP 1000HSE

High Level Order Picking Truck

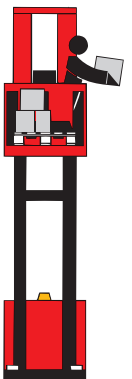
Auxiliary lift versions

The OP-series offers a complete range of high level pickers with both auxiliary lift and walk through versions.

- The OPTIPACE+ system continuously monitors the position of the truck and cab height and at all times optimizes speed and acceleration accordingly. Hydraulic system that allows precise control of the lift and lowering speed on both the cab and the auxiliary lift.
- A spacious and ergonomic cab design, with adjustable positions of controls and back rest.
- Stable gates with folding threshold together with a flat floor allows comfortable and safe picking throughout the shift.
- The spacious cab has a short distance between the cab and the load carrier, minimizing the risk of repetitive strain and maximizing productivity.
- The compact size of the truck in combination with the advanced BT electronic steering and fingertip touch controls, facilitates fine positioning and confident driving in or outside of the aisle.
- The visibility through the cab window is exceptionally good, providing an over 70° view angle increasing efficiency, security and reducing body twisting.
- A complete auto test routine is carried out every time the machine is turned on. Continuous repetition during operation ensures safety.
- The acceleration/retardation and top speed is easily programmable.
- The service and maintenance is straight forward with easy access to all components. LEDs and a digital display allow rapid fault diagnosis.

Options

- Dual controls, (both front and rear of the cab) for flexible handling.
- Walk through platform versions (OPW 1200SE, OPW 1200HSE and OPW SPACE) for handling of bulky articles, with platforms adapted to the application.
- Cold store version for handling down to -30° C.
- Rail- and wire guidance is available.
- Modular built. As an example, an auxiliary lift machine can easily be transformed into a walk through truck (OPW).
- Platform heights up to 8.5m with standard mast. Optional Triplex mast offers platform heights up to 9.5m combined with minimized collapsed heights.
- Wide choice of cab dimensions and fork lengths.



Technical Details		OP 1000 SE	OP 1000 HSE
Power unit		electrical, battery	electrical, battery
Operating type		stand on	stand on
Rated capacity	kg	1000	1000
Load centre	mm	600	600
Weight without battery	kg	2529 ¹⁾	2898 ²⁾
Wheel type		polyurethane	polyurethane
Wheel dimension, fork side	mm	Ø 230x110	Ø 230x110
Wheel dimension, drive wheel side	mm	Ø 310x110	Ø 310x110
Number of wheels, fork side		2	2
Number of wheels, drive wheel side		1	1
Travel speed, without/with rated load	km/h	9/8	9/8
Lift speed, without/with rated load	m/s	0.33/0.24	0.33/0.24
Lift speed, with 500 kg	m/s	0.28	0.28
Lowering speed, without/with rated load	m/s	0.38/0.38	0.38/0.38
Lowering speed, with 500 kg	m/s	0.38	0.38
Service brake, hand operated		3 stage electromagnetic spring pressure	3 stage electromagnetic spring pressure
Parking brake, (dead man's grip)		3 stage electromagnetic spring pressure	3 stage electromagnetic spring pressure
Drive motor/Intermittent rating	kW/%	5.0/60	5.0/60
Lift motor/Intermittent rating	kW/%	7.6/20	7.6/20
Battery (5h discharge)	V/Ah	48/315—520	48/315—520
Battery weight, min./max.	kg	550—750	550—750
Steering system		electronic power steering	electronic power steering
Speed control, number of steps		transistor, stepless	transistor, stepless

Dimensions, mm		OP 1000 SE	OP 1000 HSE
x	Front axle to fork back	270	270
y	Wheel base	1444	1444
b ₁₀	Track width fork side c/c	879	1109
z ₁₁	Width between rails, min	b ₁ + 200/230 ³⁾	b ₁ + 200/230 ³⁾
h ₆	Height of cab	2435	2435
h ₂₁	Height of cab inside	2050	2050
h ₂₂	Height of cab sides	900	900
h ₇	Instep height	315	315
h ₁₃	Height of lowered fork	80	80
l ₂	Truck length incl. back of fork	1931	1931
l ₂₀	Cab length, floor	655	655
l ₂₄	Entrance width	425	425
b ₁	Chassis, width	1020	1250
b ₂	Cab width	1000—1800 ⁴⁾	1000-1800 ⁴⁾
s	Fork thickness	62	62
e	Fork width	115	115
l	Fork length	800—1600 + 1150 ⁴⁾	800—1600 + 1150 ⁴⁾
b ₅	Width across fork	560/685/776 ⁵⁾	560/685/776 ⁵⁾
m ₂	Floor clearance mid wheelbase	60 ⁶⁾	60 ⁶⁾
W _a	Turning radius	1664	1664

1) h₁₂=4500 mm, b₁=1020 mm, auxiliary lift

2) h₁₂=7000 mm, b₁=1250 mm, auxiliary lift

3) Depending on type of rails (low profile rails: +200mm, high profile: +230mm)

4) In 100 mm steps

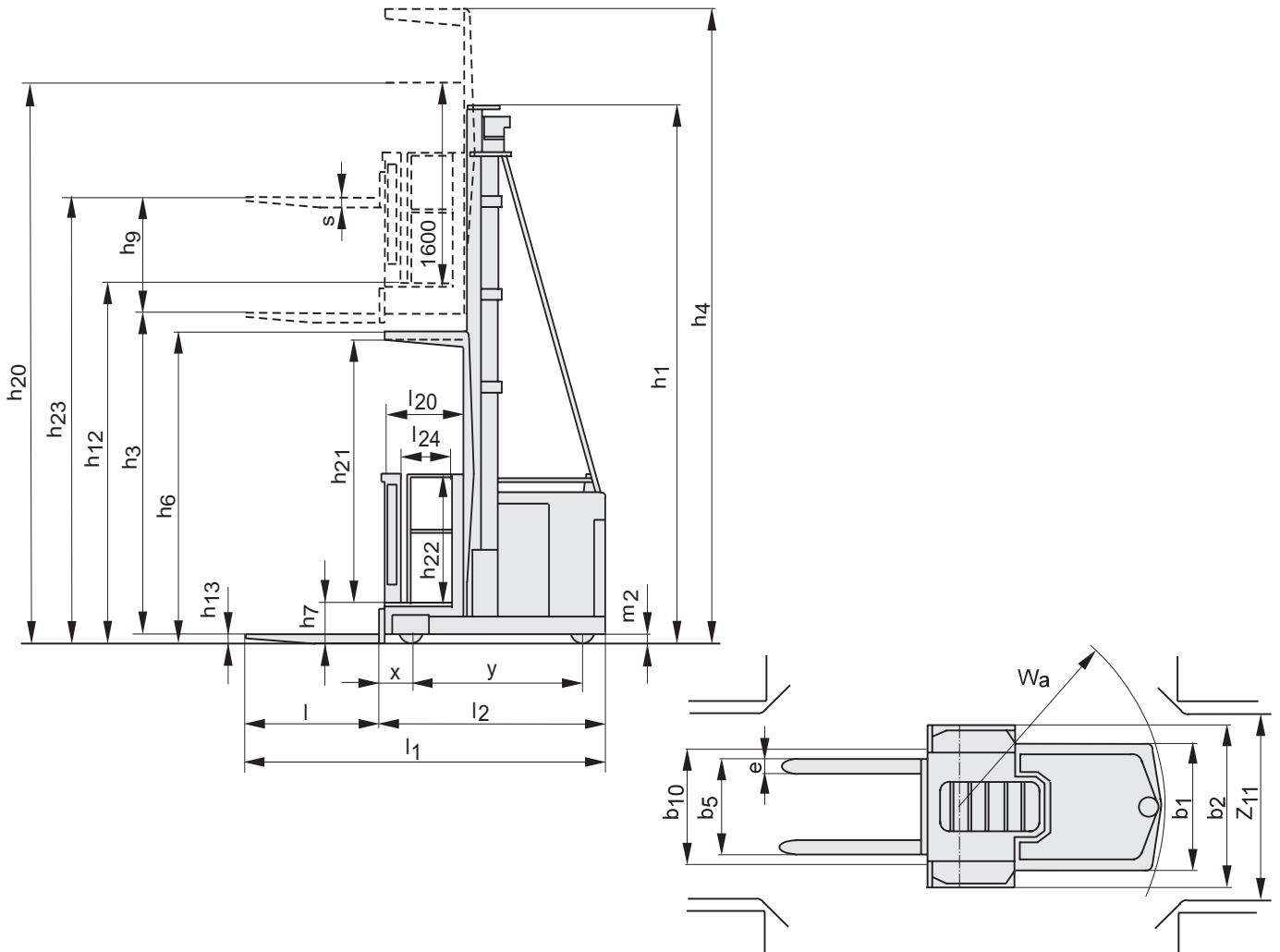
5) With adjustable fork add 38 mm to l₂ and x

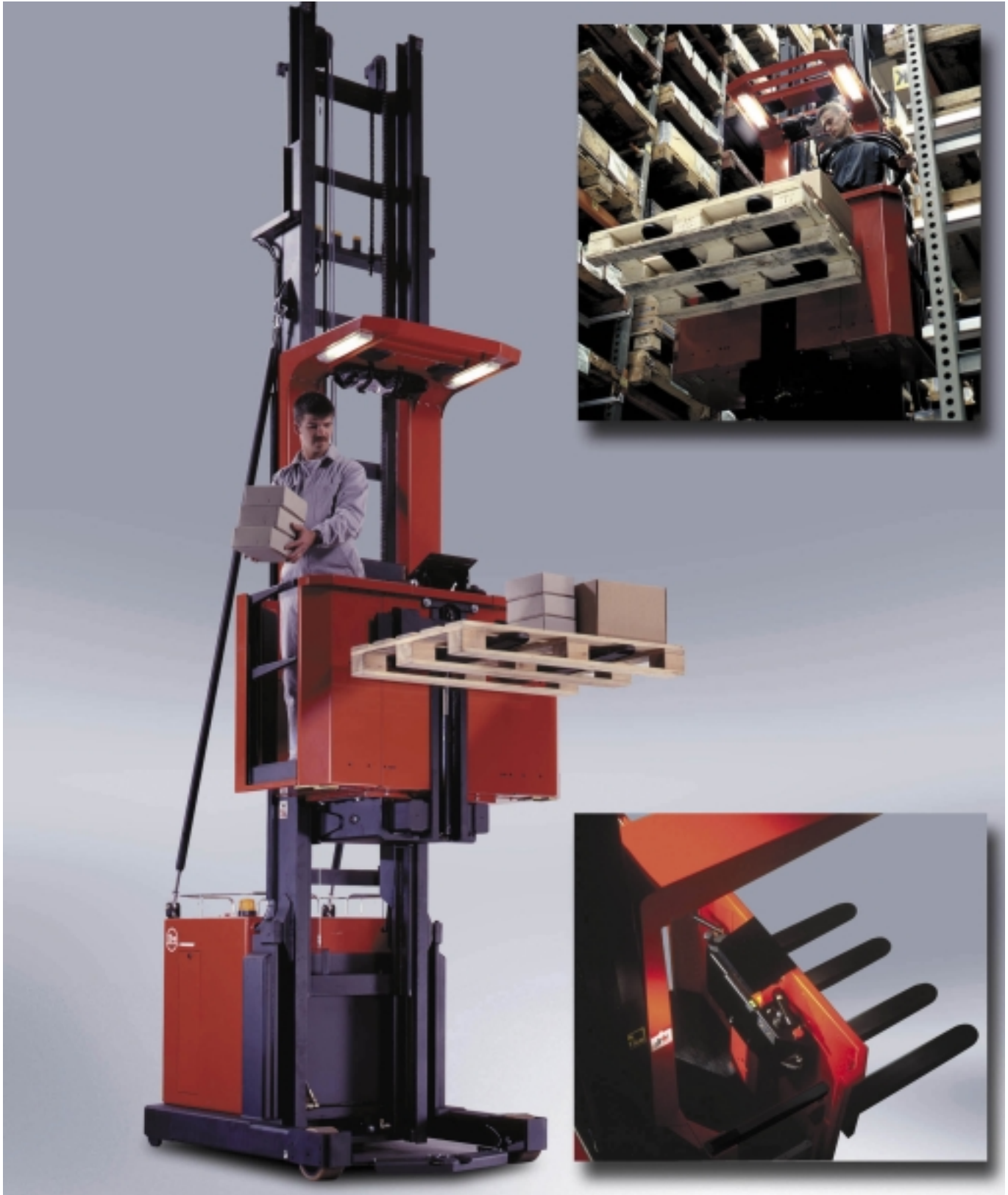
6) 25 mm if wire guided

Dimensions, mm												
Duplex Mast												
h₁₂	Platform height	3550	3950	4500	5000	5500	6000	6500	7000	7500	8000	8500
OP 1000 SE												
h ₁	Height of truck, min.	2450	2650	2925	3175							
h ₃	Lift movement	3235	3635	4185	4685							
h ₄	Height of truck, max.	5705	6105	6655	7155							
h ₉	Auxiliary lift movement	800	800	800	800							
h ₂₀	Picking height	5150	5550	6100	6600							
h ₂₃	Total lift height ¹⁾	4115	4515	5065	5565							
OP 1000 HSE												
h ₁	Height of truck, min.					3425	3675	3925	4175	4425	4675	4925
h ₃	Lift movement					5185	5685	6185	6685	7185	7685	8185
h ₄	Height of truck, max.					7655	8155	8655	9155	9655	10155	10655
h ₉	Auxiliary lift movement					800	800	800	800	800	800	800
h ₂₀	Picking height					7100	7600	8100	8600	9100	9600	10100
h ₂₃	Total lift height ¹⁾					6065	6565	7065	7565	8065	8565	9065
Triplex Mast												
h₁₂	Platform height	4700	5500	6100	7300	8200	9500					
OP 1000 HSE												
h ₁	Height of truck, min.	2435	2680	2880	3390	3890	4325					
h ₃	Lift movement	4385	5185	5785	6985	7885	9185					
h ₄	Height of truck, max.	6855	7655	8255	9455	10355	11655					
h ₂₀	Picking height	6300	7100	7700	8900	9800	11100					
h ₂₃	Total lift height ¹⁾	5265	6065	6665	7865	8765	10065					

1) $h_{23} = h_3 + h_9 + h_{13}$

Performance may vary due to motor and system efficiency tolerance and represents nominal values obtained under typical operating conditions. BT Products AB products and specifications are subject to change without notice.





The product complies with the EC-directives



BT Industries

Developed and produced by
BT Products AB



SS-EN ISO 9001, No. 003
ISO 14001, No. M005

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