




# EHI 1600

## ELECTRIC PEDESTRIAN CONTROLLED HIGH-LIFT PALLET STACKING TRUCK

### STÖCKLIN – YOUR ADVANTAGES

- Compact and easy to handle
- **Narrow aisle widths**
- **Suitable for block warehousing**
- **Ideal handling**
- **Efficient and fast movement of goods**
- **Best quality and long service life**
- **High serviceability**
- **High efficiency due to powerful drives**
- **CAN-BUS Technology**
- **Operates with A.C. current** 

### ERGONOMY AND SAFETY

The centrally mounted steering handle and free-visibility masts provide for ideal visibility when picking and positioning loads.

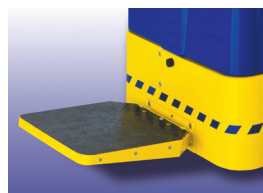
The lift can be finely controlled using proportional buttons on the ergonomically designed steering handle.

### STRUCTURE AND EQUIPMENT

Initial lift provides for generous floor clearance. Trucks can be loaded and pallets lifted from the side. The standard free-visibility fork-lift frame can be supplied in a variety of heights (optionally with full free lift). A roll-out mechanism is provided for operation with replaceable batteries. The modular principle allows multiple use of standard components, such as drive, controls, load part. High degree of standard equipment: Tandem load castor rollers, EMERGENCY STOP button, combined working hours meter, battery controller, etc.

Can also be supplied in the following versions:

- Ex 2G/3G Atex Zone 1 and 2
- with stand-on platform (EHI 1600-P)



### DRIVE

Features maintenance-free A.C. motor as a standard (2.2 kW). Advantages: Top torque with low revolutions, smooth running. The lateral drive and the lateral support roller guarantees optimum stability.

The motor is firmly mounted; no movement of cables when steering. All the wheels are made of durable Vulkollan.

### ELEKTRONIC SYSTEM

Combined freely programmable microprocessor control for drive and hydraulic system. A.C. = no operation direction contactors.

The operational response (acceleration, timing and speed) can be adapted to the customer's individual requirements.

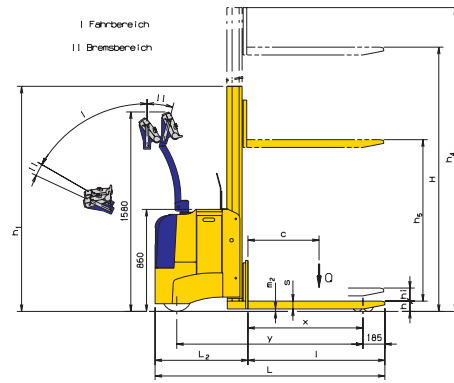
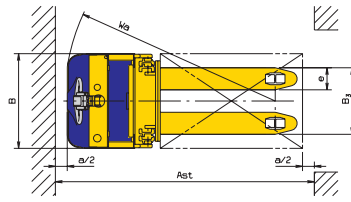
### DIMENSIONS

The width of 800 mm is ideal for block warehousing and trans-shipment by truck. The compact front-pad of 785 mm (incl. battery change from the side) saves space in confined areas or allows faster handling of pallets. Thanks to 3D CAD construction, good accessibility for maintenance is guaranteed.

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## TECHNICAL DATA



I Travelling area  
II Braking area

1.2	Type		EHI 1600	EHI 1600-P*
<b>Performance data</b>				
1.5	Load capacity/Initial lifting load	Q[kg]	2000	2000
	Load capacity/Fork lifting load	Q[kg]	1600	1600
1.6	Distance to centre of gravity of load	c[mm]	600	600
5.1	Top speed with/without load	[km/h]	5,5/5,5	5,5/6,0
5.2	Lifting speed with/without load	[m/s]	0,15/0,3	0,15/0,3
5.3	Lowering speed with/without load	[m/s]	0,5/0,3	0,5/0,3
5.8	Max. gradient with/without load	[%]	8,0/12,5	8,0/12,5

<b>Dimensions</b>				
1.8	Load distance	x [mm]	970 (715)	970 (715)
1.9	Wheel base	y [mm]	1570 (1315)	1570 (1315)
4.4	Initial lifting	h <sub>1</sub> [mm]	110	110
4.9	Height min./max. steering handle in use	h <sub>1</sub> [mm]	900/1400	900/1400
4.15	Forks lowered	h [mm]	90	90
4.19	Overall length	L [mm]	1940	2240 [2030]
4.20	Length of front pad	L <sub>2</sub> [mm]	785	1285 [875]
4.21	Overall width	B [mm]	800	800
4.22	Dimensions of forks	s/e/l [mm]	60/186/1155	60/186/1155
4.25	Distance between outer edge of forks	B <sub>3</sub> [mm]	562	562
4.32	Floor clearance in lowered position	m <sub>2</sub> [mm]	26	26
4.34	Width pallet service zone 800x1200	Ast [mm]	2185	2685 [2275]
	Safety distance	a/2 [mm]	100	100
4.35	Turning radius	Wa [mm]	1780 (1528)	2270 [1850]

\*Platform version, operational [folded up], \*\* Lengths L and L<sub>2</sub> + 85mm, ( ) = Optional length of forks 900 mm  
Subject to technical modifications.

**Stöcklin, or one of our partners in your region will be pleased to advise you.**

## Stöcklin

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<b>Weight (mast A 28, 270 Ah)</b>		
2.1	Weight of vehicle, with battery	[kg] 1180
2.2	Load per axle with front/rear load	[kg] 1315/1865
2.3	Load per axle without front/rear load	[kg] 875/305
<b>Wheels</b>		
3.1	Tyres of all wheels	Vulkollan
3.2	Type of drive/steering handle Drive wheel	lateral/center 1x254/82
3.3	Load rollers	4x83/70
3.4	Support rollers	1x150/80 *1x2x140/40

<b>Drive and control</b>		
6.1	Driving motor	[kW] 2,2
	Type of motor	A.C.
6.2	Lifting motor	[kW] 3,0
8.1	Driving control	programmable microprocessor
5.10	Driving brake	motor+DC current
	Parking brake electro-mech.	[NM] 11
<b>Battery</b>		
6.3	Type of battery	PPV-DIN
6.4	Battery voltage, capacity	[V/Ah] 24/270 (360**)
	Battery designation	3EPzS270 (4EPzS360**)

<b>Mast models</b>	<b>4.2</b>	<b>4.3</b>	<b>4.4</b>	<b>4.5</b>
Typ	Overall height h <sub>1</sub>	Free lift h <sub>5</sub>	Lifting height H	Max. height h <sub>4</sub>
A18	1410	0	1786	2240
A24	1700	0	2386	2810
A28	1900	0	2786	3210
A30	2000	0	2986	3410
A34	2200	0	3386	3810
A38	2400	0	3786	4210
B18	1410	886	1786	2240
B24	1700	1285	2386	2810
B28	1900	1485	2786	3210
B30	2000	1585	2986	3410
B34	2200	1785	3386	3810
B38	2400	1985	3786	4210
C39	1845	1415	3936	4375
C44	2010	1585	4436	4875
C48	2150	1735	4836	5276
C52	2370	1885	5236	5676

SWISS QUALITY / ISO 9001