

# EFI 16

Electric high lift truck with seat with initial lift

## STÖCKLIN – YOUR ADVANTAGES

**Maximum performance with minimum dimensions. High comfort. Your race horse in the box:**

- Unrivaled 3000 kg initial lift as standard feature
- Minimum aisle widths
- Ideal for block storage
- High turnover capacity
- Ideal handling

**Modern electronic control**

- Smooth, speed-regulated stroke
- CAN BUS technology for high speed data flow
- Safe handling even on slopes
- Always optimum traveling and lifting characteristics
- Power saving

**Sturdy Swiss Quality**

- Optimum quality and long service life
- High serviceability
- Optimum price/benefit ratio
- Rational prices for spare/replacement parts
- Favorable TCO (Total Cost of Ownership)



## DRIVE

Maintenance-free, AC propulsion and steering motors with high torque at lowest speed and extremely smooth operation. Regenerative electronic brake recovers electric power. Powerful, speed-regulated lift motor with silent high-pressure pump.

## ELECTRONIC SYSTEM

Freely programmable microprocessor controller. The AC propulsion and steering motors are designed for maximum energy savings. CAN BUS technology with optimum shielding. LOS system (Limited Operating Strategy) allows limited operation even when defects are present. Operational response and other parameters can be easily adapted to customer's individual requirements using manual programming console. The standard initial lift stop protects the powerful hydraulic unit and valves. All sensors are initiators with unlimited service life.

## DIMENSIONS

With width of 800 mm this machine is also ideal for block storage and loading trucks. Minimum front-end length of 930 mm saves space in aisle width and allows faster pallet turnover.

## ERGONOMICS AND SAFETY

Stable, multi-function handle for all control functions. The high ergonomic standard also includes electrical steering with steering angle speed reduction, adjustable shock-cushioning seat and upholstered arm and leg rests. A further standard feature is the floor platform with adjustable height. Lateral drive and one lateral support roller guarantee optimum traction and operating stability in combination with the terrain compensation integrated into the initial stroke.

## STRUCTURE AND EQUIPMENT

Developed using the best from our module systems. With multiple use of components. Extremely sturdy design for high turnover rates. Various fork-lift frames available from stock. EMERGENCY STOP button, combination battery controller with error code indicator. Lead-acid battery 24V – 465/620 Ah or safe Li-ion battery 25.6 V – 240-450 Ah with display.

## OPTIONS

- Sit-stand stool version for quick climbing and descending.
- XXL version. Large passenger compartment. 900 mm wide
- Supporting capacity 1800 kg
- EX Zone 2 pursuant to Atex 3G (other components and data)

**Stocklin**

# EFI 16

## Technical data



I Travelling area  
II Braking area

### 1.2 Type

EFI 16

Performance data			
1.5	Load capacity/Fork lifting load	Q[kg]	1600
	Capacity /load initial lift	Q[kg]	3000
1.6	Distance to centre of gravity of load	c[mm]	600
5.1	Top speed with/without load	[km/h]	10,5/10,5
5.2	Lifting speed with/without load	[m/s]	0,15/0,3
5.3	Lowering speed with/without load	[m/s]	0,5/0,3
5.8	Max. gradient with/without load	[%]	4,0/8,0/17,0

Dimensions			
1.8	Load distance	x [mm]	953
1.9	Wheel base	y [mm]	1715
4.4	Initial stroke	h <sub>3</sub> [mm]	110
4.9	Height min./max. steering handle in use	h [mm]	90
4.15	Fork height, lowered	L [mm]	2085
4.19	Overall length	L <sub>2</sub> [mm]	930
4.20	Length of front pad	B [mm]	800
4.21	Overall width	s/e/l [mm]	60/186/1150
4.22	Weight of forks	B <sub>3</sub> [mm]	564
4.25	Distance between outer edge of forks	m <sub>2</sub> [mm]	24
4.32	Floor clearance in lowered position	Ast [mm]	2328
4.34	Width pallet service zone 800x1200	a/2 [mm]	100
	Safety distance	Wa [mm]	1881
4.35	Turning radius	Wa [mm]	1695

\*Lengths L, L<sub>2</sub> + 85mm

Subject to technical modifications.

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

## Stöcklin

**Stöcklin Logistik AG**

Home of Intralogistics

**CH-4242 Laufen**

tel +41 61 705 81 11

info@stoeklin.com

www.stoeklin.com

EFI 16

Weight (Mast A 28, Battery 465 Ah, 1600 kg)			
2.1	Weight of vehicle, with battery	[kg]	1520
2.2	Load per axle with front/rear load (1600kg)	[kg]	1427/1693
2.3	Load per axle without front/rear load	[kg]	1098/422
Wheels			
3.1	Tyres of all wheels		Vulkollan
3.2			1x254/100
3.3	Load rollers		4x83/70
3.4	Support rollers		1x150/79
Drive and control			
6.1	AC travel motor (S2=60min)	[kW]	2,5
6.2	Lift motor DC (S3=20%)	[kW]	3,0 ventilated
8.1	Driving control Combi lift	[A]	350/300
5.10	Driving brake		Motor and counter-current
	Parking brake electro-mechanical	[Nm]	40
Battery			
6.3	Type of battery		DIN
6.4	Battery voltage, capacity	[V/Ah]	24/465 (620*)
	Type of battery	lead-acid [Ah]	3Pz5465 (4Pz5620*)
		Li-ion [Ah]	240-450
6.6	Power consumption VDI cycle	[kWh/h]	1,4

Masts	4.2	4.3	4.4	4.5
Type	Overall height h <sub>1</sub>	Free lift h <sub>5</sub>	Lifting height H	Total height fully extended h <sub>4</sub>
A18	1465	0	1786	2245
A24	1715	0	2386	2845
A28	1915	0	2786	3265
A30	2015	0	2986	3465
A34	2215	0	3386	3865
A38	2415	0	3786	4265
B18	1415	890	1800	2260
B24	1715	1170	2400	2860
B28	1915	1370	2786	3245
B30	2015	1470	2986	3445
B34	2215	1670	3386	3845
B38	2415	1870	3786	4245
C39	1875	1330	3936	4395
C44	2015	1470	4436	4895
C48	2155	1610	4836	5295
C52	2315	1770	5236	5695

SWISS QUALITY / ISO 9001