

STEERX

DRIVE YOUR WORKFLOW

FREELIFT
FULL ELECTRIC STACKER

2 Stage Mast
FREE LIFT



FREELIFT ELECTRIC STACKER

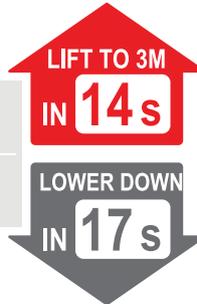
Load Capacity: 1500kg

Precision speed adjustment - Up/Down

Smart control for smooth stacking

Enhanced comfort and efficiency with **STEERX** patented intelligent handle and control system an ideal solution to replace manual and semi-electric stackers for light-duty operations in narrow warehouse spaces. Designed for smooth and efficient pallet stacking, the system features proportional lowering for precise pallet placement and improved control over traditional fixed-speed mechanisms. The variable speed control, enabled by a proportional control knob, ensures smooth, stable, and energy-efficient lifting and lowering, enhancing safety and operational ease.

Lifting Height (mm)	2500	3000	3300	3500
Free lift (mm)	1300	1550	1700	1800



BEFORE



FIXED SPEED

NOW



VARIABLE SPEED



LIFT



LOWER

Accurate control

Precision lift and lower control

The adjustable speed control enables smooth lifting and lowering, reducing mechanical shock and vibration. This ensures delicate loads are gently positioned on racks or the floor, while also minimizing noise and vibration exposure for the operator.

Soft-stop lowering

Automatic lowering speed reduction with soft cushioning activates when the fork height reaches approximately 10 cm from the ground. This feature effectively protects cargo, minimizes noise, and reduces vibration.

Operational efficiency

The variable speed control provides precise responsiveness, allowing the lifting and lowering speeds to be adjusted based on real-time conditions. This enables the operator to perform tasks with ease and enhances overall work efficiency.

Energy saving

Unlike conventional fixed-speed lifting and lowering, variable speed allows the operator to adjust movement based on load and height, minimizing energy waste and enhancing energy efficiency.

Extended lifespan

The freelifft electric stacker is engineered with advanced variable speed control technology that ensures smooth and precise movement during both lifting and lowering operations. This intelligent system allows operators to adjust the lifting speed based on load requirements and operational conditions, providing enhanced control and safety. By minimizing sudden starts and stops, the variable speed mechanism significantly reduces mechanical impact and internal friction, which are common causes of wear and tear in standard lifting systems. This reduction in mechanical stress helps preserve the structural integrity of key components such as the chassis, mast, and bearings. As a result, the freelifft stacker not only operates more quietly and efficiently but also enjoys an extended service life. This makes it an ideal choice for high-frequency lifting tasks in demanding warehouse and industrial environments, where long-term durability and reliability are essential.



Multi-featured intelligent handle

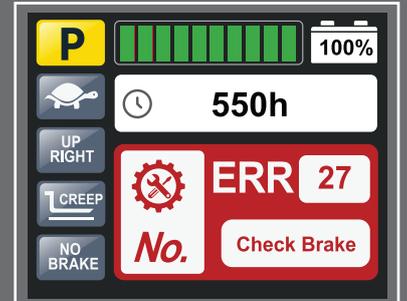
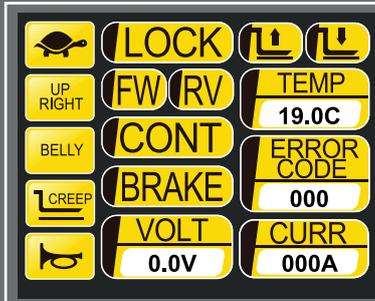


UART

Serial communication technology

Single wiring harness communication from tiller handle to controller system Simple, Durable and Stable.

- ✓ Low after-sales service cost
- ✓ Quick & easy fault diagnosis
- ✓ Everyone can be an expert



Operator Preferred



01

Turtle Speed

Enable operator to choose different speed modes based on their experience and the specific work environment.



02

Up-Right Drive

Easily maneuvered with the handle in the vertical position by pressing the turtle-speed button.



03

Engineering Mode

When truck is down, release the brake to move the unit manually.

Rugged and durable

Longer service life

Mast: Constructed with standard C+H channel steel

Frame: Built with 5 mm thick steel plate

Base Plate: 30 mm integrated solid steel construction



Double-chain design

Compared with single-chain design, it has higher strength, safer and more stable. More stable when lifting & lowering with loads.

Full coverage protection on mast

It can prevent accidents such as uncontrolled descent caused by unexpected rupture of oil pipes, ensuring stable descent of the load and personal safety, and preventing damage to equipment.



Built-in charger

Hidden charging plug, high safety, the whole vehicle is powered off during charging, reducing safety hazards.



Safety travel speed limit

When the fork is lifted to above 500mm, the driving speed automatically reduces to 2km/h to ensure the safety of operating at a high position in case of any misoperation.

Adjustable balance wheel

Improved stability and maneuverability, suitable for different working scenarios.



Emergency reverse switch

In case of an emergency, it protects the operator and the surrounding personnel from harm.



High-strength forks

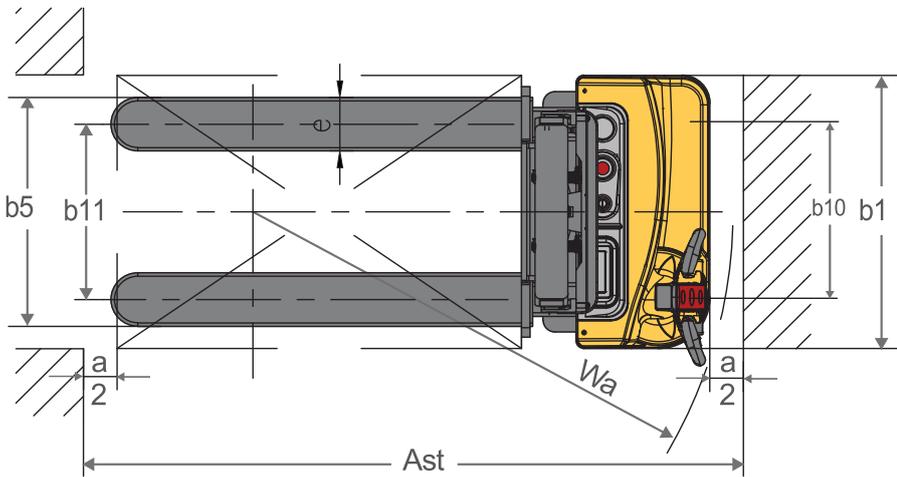
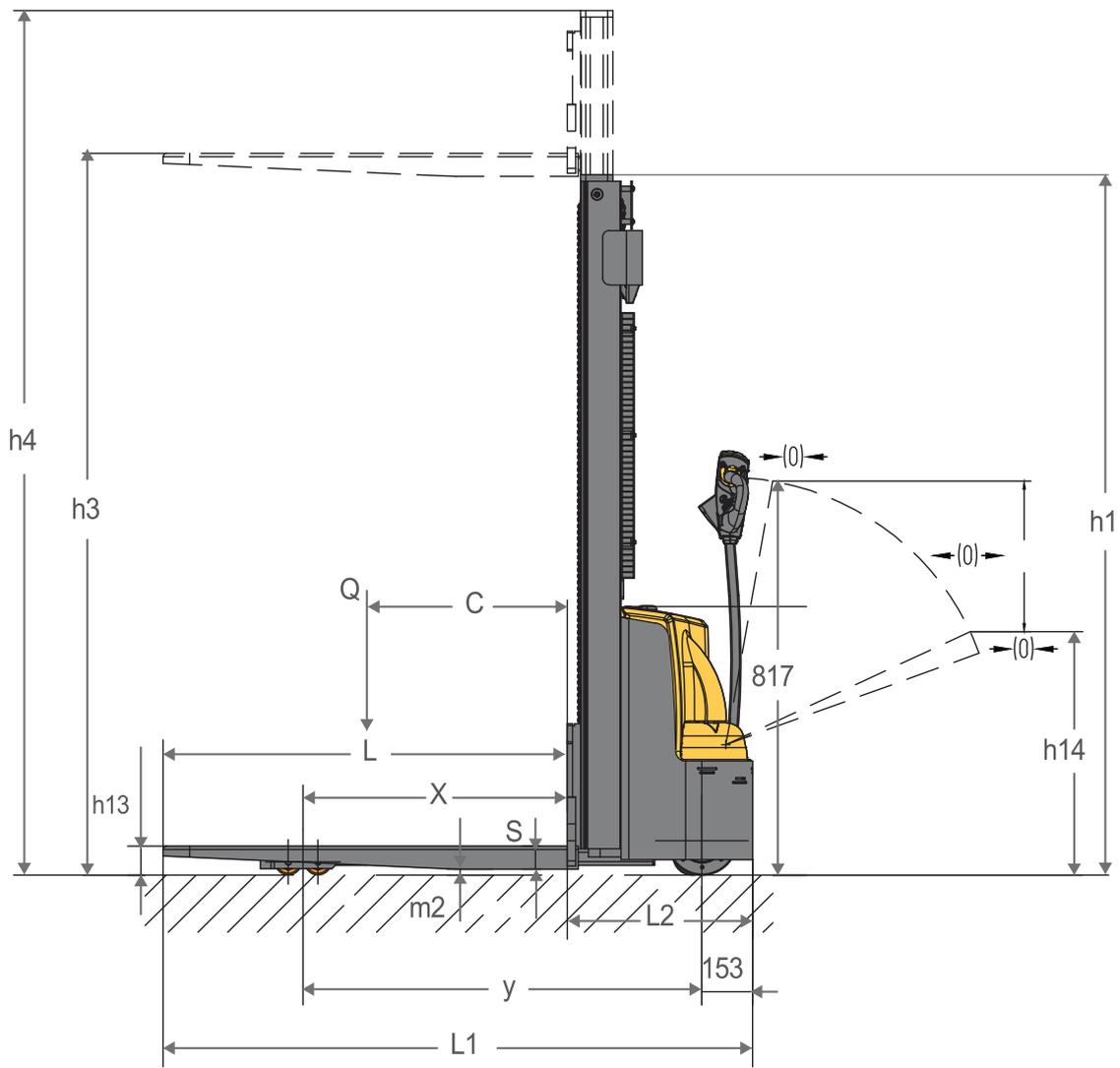
The forks are formed in one piece with a thickness of 8mm steel. High strength and small deformation even under heavy loads.

Battery low voltage protection

Effectively avoid battery over-discharge, ensuring a longer battery life.

Specifications

MODEL		SEST12H-3500FL	
1	Capacity	Q kg	1200
2	Load centre distance	c mm	600
3	Load distance, centre of drive axle to fork	x mm	800
4	Wheelbase	y mm	1210
5	Service weight	kg	624
6	Axle loading, laden front/rear	kg	535/1247
7	Axle loading, unladen front/rear	kg	437/145
8	Wheels		PU
9	Wheel size, front	Ø x width mm	210 x 70
10	Wheel size, rear	Ø x width mm	80 x 70
11	Additional wheels	Ø x width mm	115 x 55
12	Tread, front	b10 mm	555
13	Tread, rear	b11 mm	400
14	Lowered mast height	h1 mm	2210
15	Free lift height	h2 mm	1800
16	Lift height	h3 mm	3500
17	Extended mast height	h4 mm	3917
18	Height, Lowered	h13 mm	90±2
19	Overall length	l1 mm	1730
20	Length to face of forks	l2 mm	560
21	Overall width	b1 mm	820
22	Fork dimensions	s/e/l mm	70x160x1150
23	Width over forks	b5 mm	560
24	Ground clearance, centre of wheelbase	m2 mm	30
25	Aisle width for pallet (1000 x 1200mm)	Ast mm	2268
26	Aisle width for pallet (800 x 1200mm)	Ast mm	2194
27	Turning radius	Wa mm	1425
28	Travel speed, with/without load	km/h	4/4.5
29	Lift speed, with/without load	mm/s	0-125/0-220
30	Lowering speed, with/without load	mm/s	28-165/26-145
31	Max. gradeability, with/without load	mm/s	5/10
32	Drive motor rating S2 60min	kW	0.75
33	Battery voltage/nominal capacity(C5)	V/Ah	12/71 x 2
34	Energy consumption according to EN 16796	kWh	0.4
35	Type of drive control		DC speed control
36	Controller		STAXXP1201



LOAD CHART

3500	800	600
3300	900	800
3000	1000	900
2500	1200	1200
2000	1200	1200

kg

500	600
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mm

STEERX
DRIVE YOUR WORKFLOW



Effortless



Durable



Cost Effective



Outstanding Quality