



WSS15H-Li

Electric Pedestrian Stacker

Lifting height : 2000-4000 mm / Load capacity: 1500 kg



**Variable Speed
Control**



Intelligent & Efficient



Rugged & Durable



Easy & Comfortable

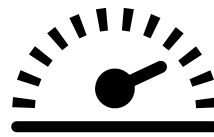
Variable Speed Control on Lifting & Lowering

Comfortable and efficient thanks to STAXX patented intelligent handle and control system, ideal for replacing manual & semi-electric stackers, for light use in narrow warehouse environments with efficient and easy pallet stacking.

The proportional lowering brings high efficiency for exact pallet placement and more precise control when compared to the normal fixed speed of lifting & lowering.

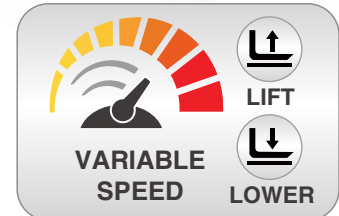
Variable speed control by proportional control knob, keeps lifting and lowering smooth, stable, safe and energy saving.

BEFORE



FIXED SPEED

NEW



Precise Control

■ Proportional lifting & lowering

The variable speed control ensures the stacker goes up and down smoothly, minimizing the mechanical shock and vibration, ensuring fragile loads are gently placed on racking or the floor, and reducing the impact of noise and vibration on operators.

■ Lowering buffering

Automatic lowering speed descent with soft buffering when the fork height is lowered to around 10cm from the ground, effectively protects the safety of the cargo, low noise and small vibration.



■ High efficiency

The variable speed control brings accurate response for adjusting the lifting & lowering speed according to the actual situation, the operator can easily complete the task and improve the working efficiency.

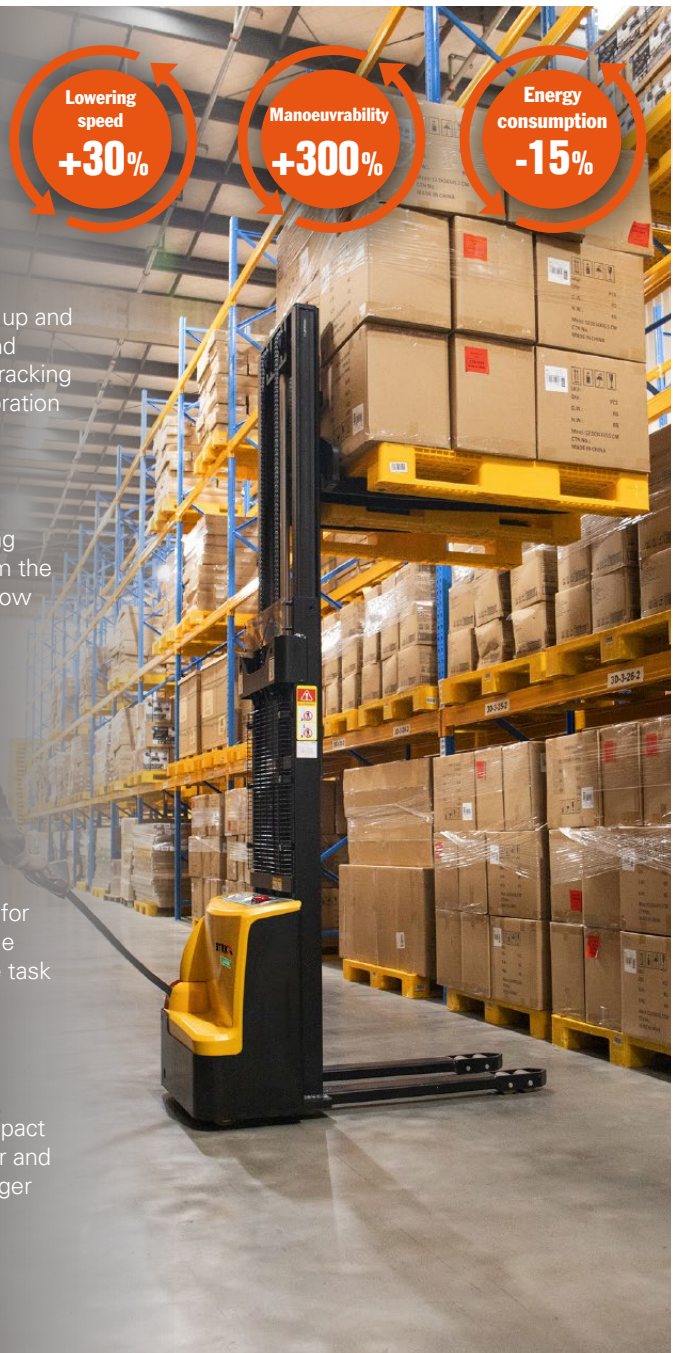
■ Longer service life

Variable speed control can reduce the mechanical impact and friction during lifting & lowering, reduce the wear and tear on the chassis, mast, bearings, and enable a longer service life.

Lowering speed
+30%

Manoeuvrability
+300%

Energy consumption
-15%



Easy & Comfortable

Lithium Battery vs. Lead-Acid Battery

- Longer cycle life**

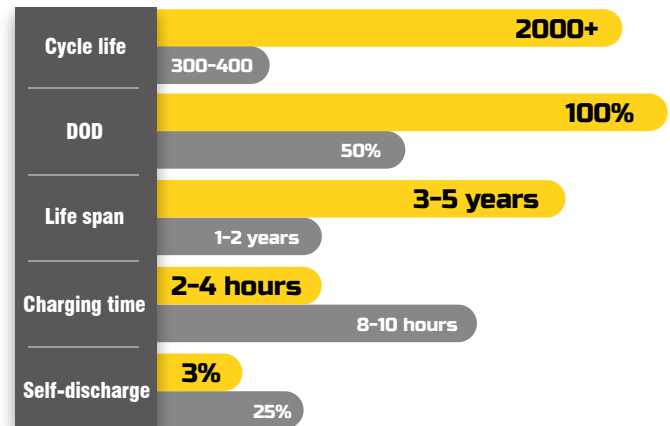
Lithium batteries typically have a cycle life of over 2000 cycles, whereas lead-acid batteries usually last around 300-400 cycles, lowering replacement and maintenance costs.

- Faster charging**

Lithium batteries support rapid charging, allowing them to be fully charged in a shorter period, reducing downtime and increasing efficiency.



VS.



- Low self-discharge rate**

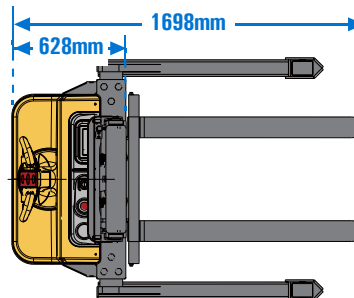
Lithium batteries have a low self-discharge rate, resulting in minimal energy loss when not in use, making storage more convenient.

- Wider Operating Temperature Range**

Lithium batteries perform better across a wider range of temperatures, providing greater adaptability.

- No Memory Effect**

Lithium batteries can be charged at any state of charge, which reduces concerns about deep discharge.



- Low mast static height**

Easy to operate in containers and elevators with less than 3.3m lifting height.

- Compact chassis**

Short I2 makes small turning radius 1425 mm

- Reasonable design of the balancing wheel eccentric distance**

Flexible direction commutation.



- Adjustment of support legs and forks**

ID(mm)	970	1110	1250
OD(mm)	1150	1290	1430

- Easy adjustment in width**

The support legs can be easily adjusted in width

- Effortless, easy to operate**

Low-mounted longer tiller reduces steering force required.

Intelligent & Efficient

Staxx patented multifunctional intelligent tiller handle is unique design for quick fault diagnosis, enabling an easier service, shorter service time and lowered labor costs.



Multifunctional intelligent tiller handle



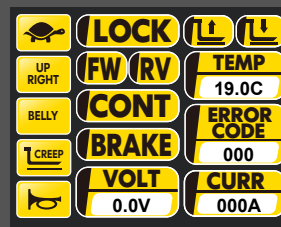
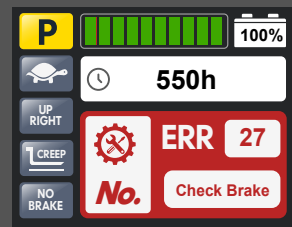
Easy Maintenance

Serial communication technology

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

UART

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



Operation status & fault diagnosis are integrated onto the tiller handle display for easy troubleshooting.

Operator Preferred

Turtle Speed

01



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

Up-Right Drive

02



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

Engineering Mode (Brake Release)

03



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

Rugged & Durable

Small deformation of forks and masts, stable and durable

More stable when lifting & lowering with loads.



Longer service life

Mast: Standard C+H channel steel
Frame: Steel plate thickness of 5mm
Frame bottom plate: 30mm integrated steel plate.



High-strength forks

The forks are crafted from high-strength 40mm steel in a single-piece formation. This design ensures exceptional durability and minimal deformation even when subjected to



Double-chain design

Compared with single-chain design, it has higher strength, safer and more stable.

Battery low voltage protection

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

The battery is fixed at the bottom of the frame

Improved stability.

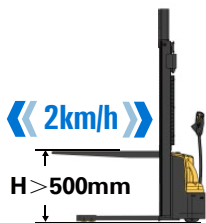
Adjustable balance wheel

Improved stability and maneuverability, suitable for different working scenarios.

Solid steel support legs

Solid steel support legs are chosen for their superior rigidity, ensuring stability and safety. Maintaining consistent leg width prevents hazards like hooking onto pallets or racks when maneuvering.

Safe Operation



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.



Auto slow lowering under heavy load

When the load is over 600kg, lowering speed automatically reduces, giving the user a great sense of safety and controllability

The low ground clearance of 30 mm helps to reduce the risk of foot injuries

Standard equipped with cylinder explosion-proof valve

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.

Full coverage protection on mast Plexi/Iron mesh

Built-in charger

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

Optional Configuration

● Intelligent control

Unique in the market and very suitable for sorting operations on trucks.

With a dedicated remote control device, the operator can control the forks to lift to the appropriate working height and carry out sorting operations, thus avoiding the need to use the handle buttons and bend over to pick up goods, improving operational efficiency and comfort.



On/Off (for Intelligent control)

Lifting button

Lowering button

Max speed setting button

Horn button



With the remote control device, you can easily set the speed suitable for the work, from level 1 speed to level 5 speed.

Such speed transitions allow you to move the truck with controlled operation at ease.

SPEED LEVEL	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
Speed(laden) (km/h)	0.68	1.32	2.4	3.48	4
Speed(unladen) (km/h)	0.77	1.49	2.7	3.92	4.5



● **Rubber drive wheel**

● **Balance wheel**

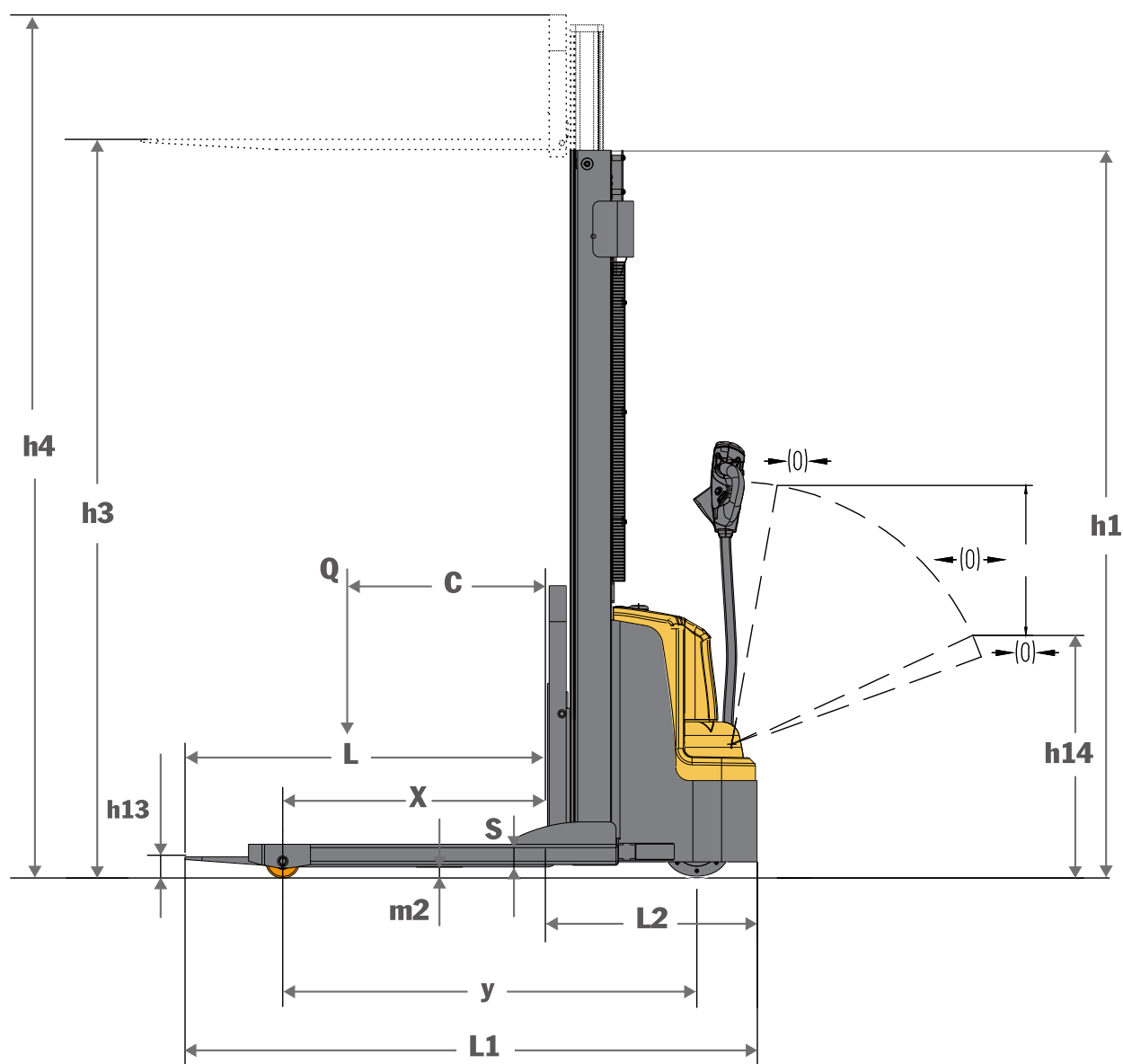
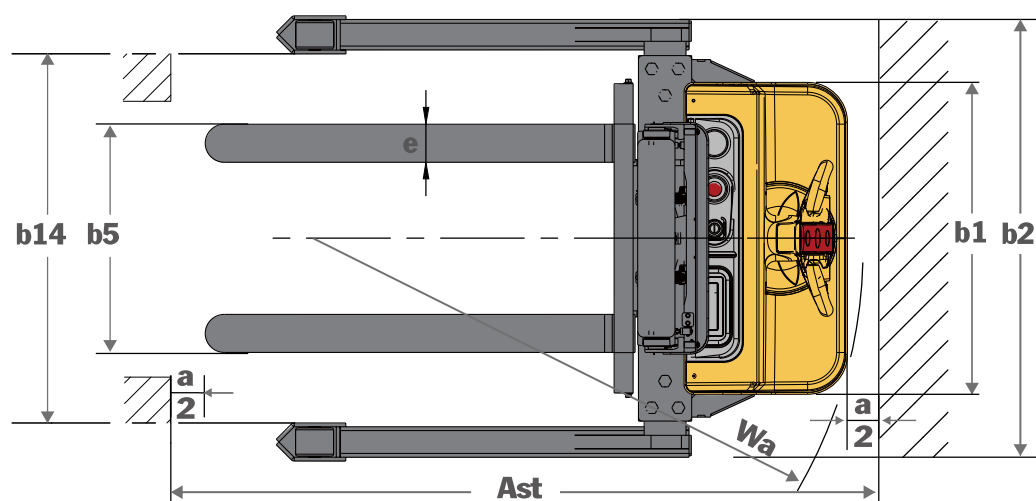
● **Reversing buzzer**

Battery	Li-Battery	Li-Battery
Capacity	24V/60Ah	24V/100Ah
Working time	4 hours	6 hours
Charger	30A	30A
Charging time	2 hours	3 hours

Estimated parameters; actual performance may vary depending on working conditions.



Dimensions

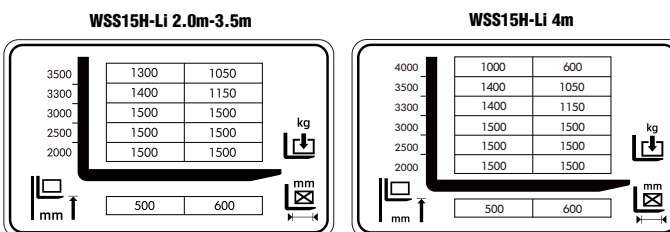


Specifications

MODEL				WSS15H-Li					
DISTINGUISHING MARKS									
1.3	Drive								Battery
1.4	Operator type								Pedestrian
1.5	Load capacity/rated load	Q	kg						1500
1.6	Load centre distance	c	mm						600
1.8	Load distance, centre of drive axle to fork	x	mm						768
1.9	Wheelbase	y	mm						1218
WEIGHT									
2.1	Service weight (without battery)		kg	581.6	604.6	634.6	666.6	702.6	738.6
2.2	Service weight (with battery 71Ah or 60Ah Li-battery)		kg	598.6	621.6	651.6	683.6	719.6	755.6
2.3	Service weight (with battery 89Ah r 100Ah Li-battery)		kg	605.6	628.6	658.6	690.6	726.6	762.6
2.4	Axle loading, laden front/rear (2.5m lifting height)		kg	636.6/1485					
2.5	Axle loading, unladen front/rear (2.5m lifting height)		kg	466/155.6					
TYRES / CHASSIS									
3.1	Wheels	Ø x width							Polyurethane
3.2	Wheel size, front	Ø x width	mm						Ø210 x 70
3.3	Wheel size, rear		mm						φ100x64
3.5	Wheels, number front/rear (x = driven wheels)								1x +0 /2
3.7	Tread, rear		mm						1060/1200/1340
DIMENSIONS									
4.2	Lowered mast height	h1	mm	1520	1770	2020	2170	2270	2590
4.4	Lift height	h3	mm	2000	2500	3000	3300	3500	4000
4.5	Extended mast height	h4	mm	2520	3020	3520	3820	4020	4840
4.9	Height of tiller in driving position, min./max.	h14	mm	910/1290					
4.15	Height, lowered	h13	mm	60±2					
4.19	Overall length	l1	mm	1698					
4.20	Length to face of forks	l2	mm	628					
4.21.1	Overall width across chassis	b1	mm	820					
4.21.2	Overall width across all/Outer width straddle	b2	mm	1150/1290/1430					
4.21.5	Inner width straddle	b14	mm	970/1110/1250					
4.22	Fork dimensions	s/e/l	mm	40X100X1070(1150/1220)					
4.25	Width over forks	b5	mm	200-800					
4.32	Ground clearance, centre of wheelbase	m2	mm	40					
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2290					
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2217					
4.35	Turning radius	Wa	mm	1455					
PERFORMANCE DATA									
5.1	Travel speed, with/without load		km/h	4/4.5					
5.2	Lift speed, without load		mm/s	0-185					
	Lift speed, with load		mm/s	0-101					
5.3	Lowering speed, without load		mm/s	21.7-208					
	Lowering speed, with load		mm/s	25.6-137					
5.8	Max. gradeability, with/without load		%	5/10					
5.10	Service brake			Electromagnetic					
ELECTRIC-ENGINE									
6.1	Drive motor rating S2 60 min		kW	0.75					
6.2	Lift motor rating at S3 15%		kW	2.5					
6.4	Battery voltage/nominal capacity K5		V/Ah	● 24V/60Ah ○ 24V/100Ah Li-battery					
6.5	Battery weight +/- 5%		kg	● 17(60Ah) ○ 24(100Ah)					
6.6	Energy consumption according to EN 16796		kWh	0.42					
ADDITION DATA									
8.1	Type of drive control			DC speed control					
8.4	Sound level at the driver's ear according to EN 12053		dB(A)	<75					
8.5	Controller			STAXX P1201					

Note: 1kgs=2.2lbs, 25.4mm=1inch

MAST DIMENSIONS								
WSS15H-Li			Duplex Mast					
h1	Lowered mast height	mm	1520	1770	2020	2170	2270	2590
h3	Lift height	mm	2000	2500	3000	3300	3500	4000
h4	Extended mast height	mm	2520	3020	3520	3820	4020	4840



| **MAKE**
YOUR JOB
EASIER!



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