

Work **Faster**
Smoother handling
Over Uneven Surfaces



WS15H-I

Double pallet stacker

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



**Variable Speed
Control**



Intelligent & Efficient



Rugged & Durable



Easy & Comfortable

1 Dual-Pallet Capability

■ Lift two pallet on one trip

2 × 750 kg, 1,500 kg in total — where a standard stacker handles only one. A job that used to need two runs is now done in a single trip.

■ Efficiency doubled

Moving two pallets per trip instead of one means the same load reaches its destination in about half the trips. With fewer journeys and a steadier pace from variable-speed control, more pallets get handled every shift.



2 Climb slopes & Cross uneven floors

■ Climb slopes & cross uneven floors — handles ramps and rough surfaces that standard stackers cannot.

Climb slopes



Cross uneven floor



3 Variable Speed Control

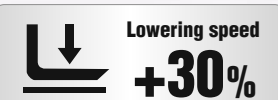
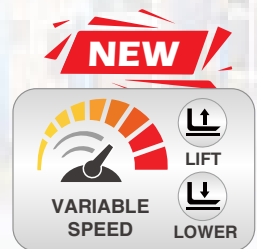
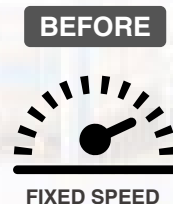
Comfortable and efficient thanks to STAXX patented intelligent handle and control system, ideal for replacing manual & semi-electric stackers, for light use in narrow warehouse environments with efficient and easy pallet stacking.

Precise Control

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.

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.



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

Online troubleshooting

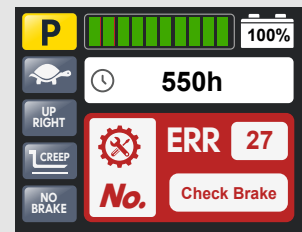
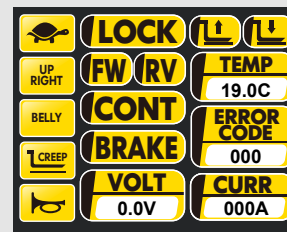
Visit staxxservice.com

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



- 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

Due to a high-strength frame and mast design and solid materials used, the deformation of the frame, mast, and forks is small.

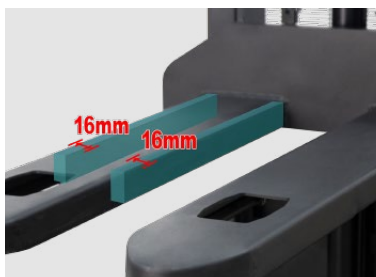


Longer service life

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

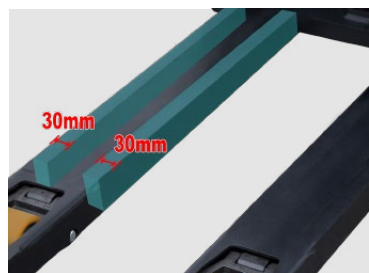
Small deformation of forks and masts, stable and durable

More stable when lifting & lowering with loads.



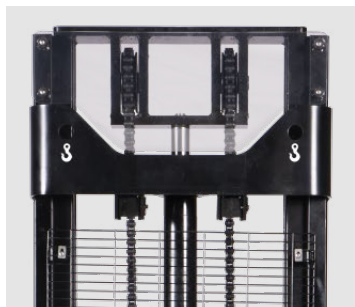
High-strength forks

16mm flat iron on both sides of fork.
High strength and small deformation even under heavy loads.



High-strength support legs

30mm flat iron on both sides of support legs.
High strength and small deformation even under heavy loads.



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.

Adjustable balance wheel

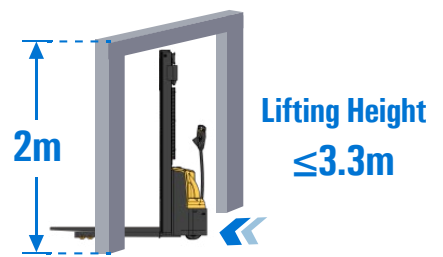
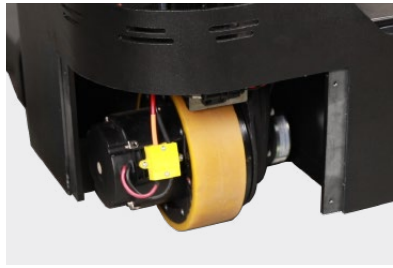
Improved stability and maneuverability, suitable for different working scenarios.

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.



Easy & Comfortable



- **Effortless, easy to operate**

Low-mounted longer tiller reduces steering force required.

- **Open cap for drive unit**

Easy to replace drive wheel.

- **Low mast static height**

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

- **The steering angle is designed to be above 180 degrees**

Small turning radius.

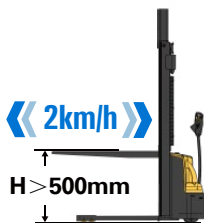
- **Excellent maneuverability**

Precise and maneuverable operating, high safety and efficiency.

- **Reasonable design of the balancing wheel eccentric distance**

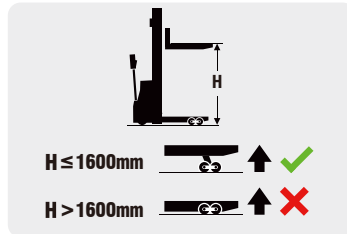
Flexible direction commutation.

Safe Operation

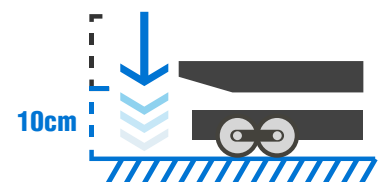


- **Safety travel speed limit**

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.

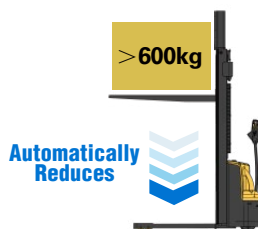


- **Support legs can be lifted only when the forks are lower than 1600mm**



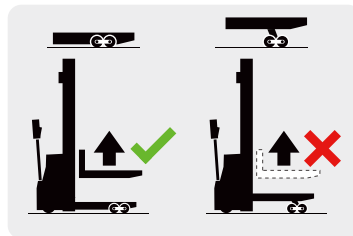
- **Lowering buffering**

When the fork reaches ~10 cm above ground, descent speed auto-reduces for a soft landing, protecting cargo safety.



- **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.



- **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.

- 1) When support legs are lifted, it is not possible to lift the forks.

2) If it is needed to lift the forks, first the support legs need to be lowered then the forks can be lifted.

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

- **Full coverage protection on mast Plexi/Iron mesh**

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



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

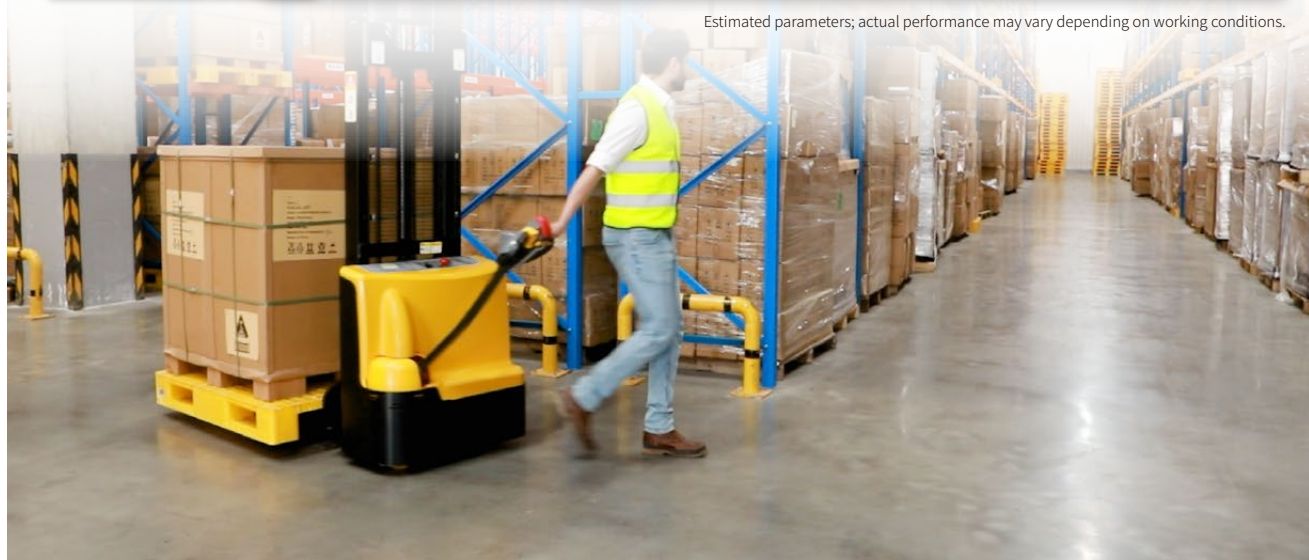


● **Rubber drive wheel**

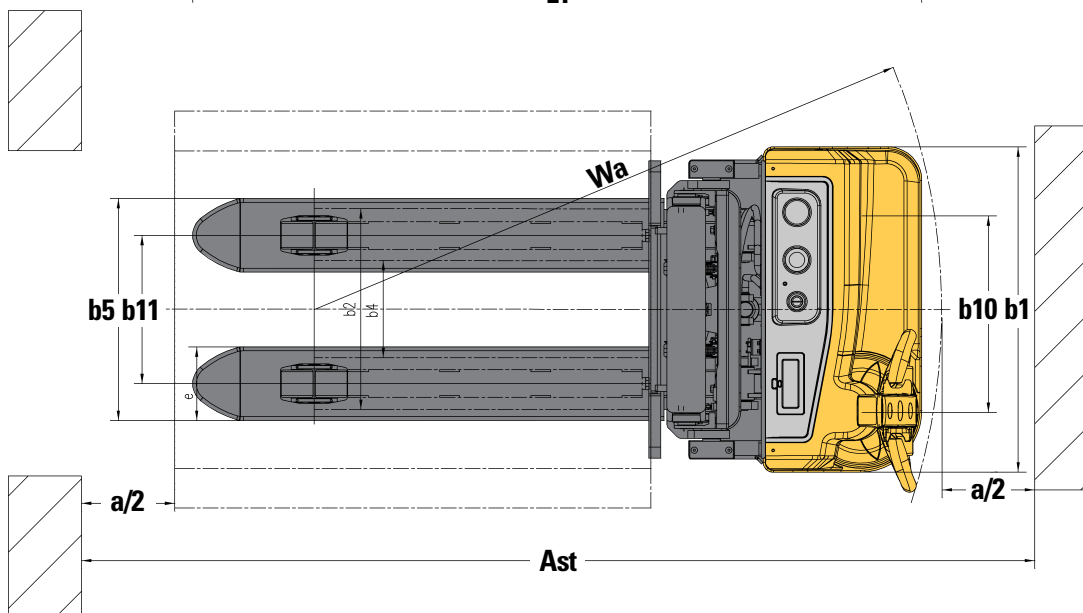
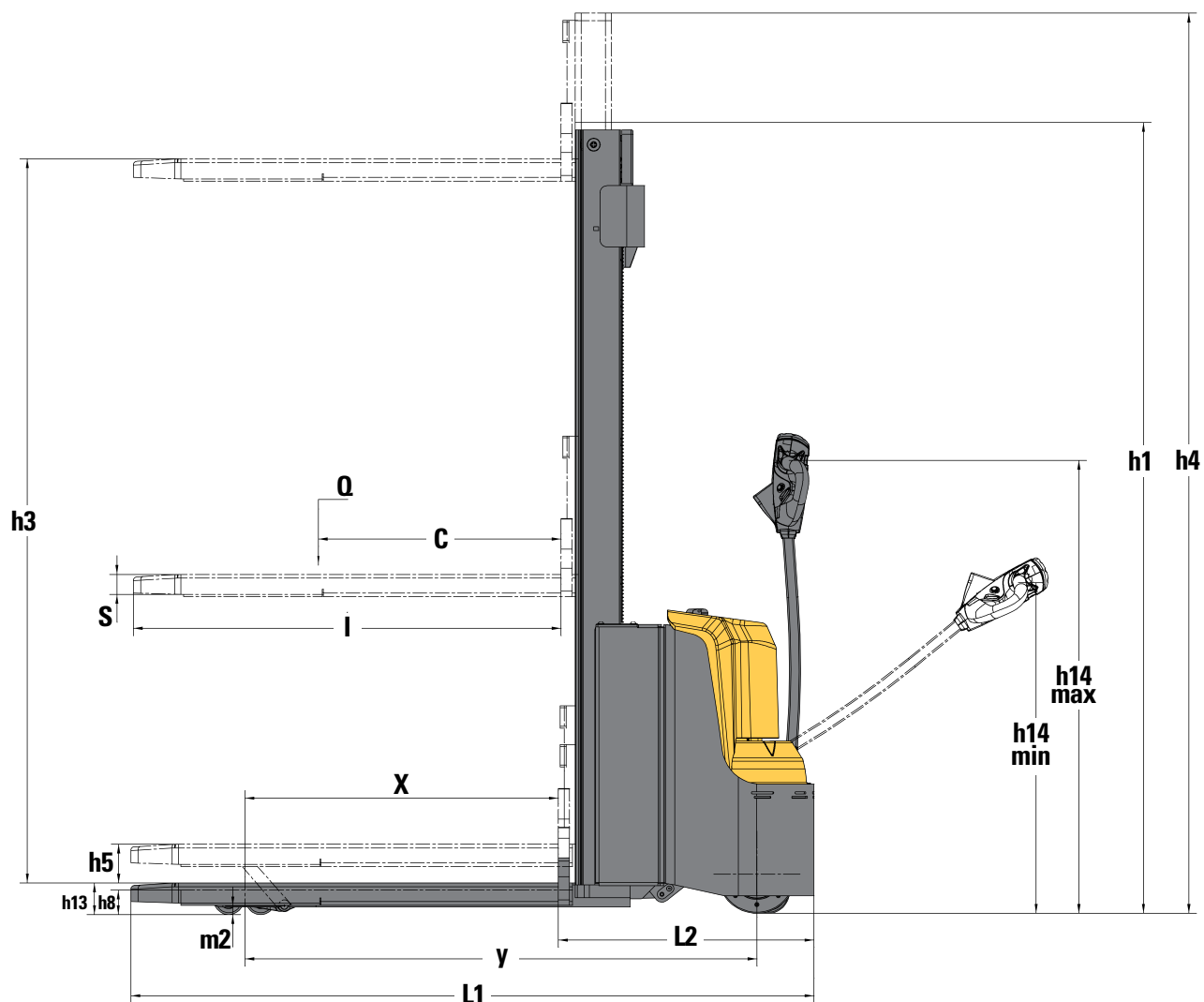
● **Reversing buzzer**

Battery	AGM	AGM	Li-Battery	Li-Battery
Capacity	24V/71Ah(C5)	24V/89Ah(C5)	24V/60Ah	24V/100Ah
Working time	3 hours	4 hours	4 hours	6 hours
Charger	10A	10A	30A	30A
Charging time	7 hours	8 hours	2 hours	3 hours

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



Dimensions

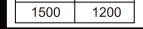


Specifications

MODEL				WS15H-I					
DISTINGUISHING MARKS									
1.3	Drive type			Battery					
1.4	Operation			Pedestrian					
1.5	Load capacity/load		Q	kg	1500				
1.6	Load centre distance		c	mm	500				
1.7	Load distance, centre of drive axle to fork		x	mm	844				
1.8	Wheelbase		y	mm	1378(1150)				
WEIGHT									
2.1	Service weight (without battery)			kg	681	698	715	725	732
	Service weight (with battery 71Ah)			kg	728	745	762	772	779
	Service weight (with battery 89Ah)			kg	733	750	767	777	784
2.2	Axle load laden front/rear			kg	1570/675				
2.3	Axle load unladen front/rear			kg	223/522				
TYRES/ CHASSIS									
3.1	Tyres				PU				
3.2	Tyre size, front		Ø x width	mm	φ210x70				
3.3	Tyre size, rear		Ø x width	mm	φ80X70				
3.4	Additional wheels		Ø x width	mm	φ115X55				
3.5	Wheels, number front/back (x=driven)				1x + 1 / 4				
3.6	Tread width, front		b10	mm	554				
3.7	Tread width, rear		b11	mm	495 (680) / 374(560)				
DIMENSIONS									
4.2	Height, mast lowered		h1	mm	1480	1730	1980	2130	2230
4.3	Lift		h3	mm	2000	2500	3000	3300	3500
4.4	Height, mast extended		h4	mm	2140	2940	3440	3740	3940
4.5	Height of tiller in driving position, min./max.		h14	mm	825/1290				
4.9	Height of wheel arms		h8	mm	78-180				
4.15	Height, lowered		h13	mm	85				
4.19	Total length		l1	mm	1837(1150)				
	Length including fork shank		l2	mm	687				
4.20	Overall width across chassis		b1	mm	820				
4.21.1	Overall width across all		b2	mm	570 (680) / 504(560)				
4.21.2	Fork dimensions DIN ISO 2331		s/e/l	mm	59*185*1150				
4.22	Fork spread		b5	mm	680/560				
4.25	Distance between wheel arms/loading surfaces		b4	mm	310(680) / 244(560)				
4.32	Ground clearance, centre of wheelbase		m2	mm	20				
4.34.1	Aisle width (pallet 1000×1200 sideways)		Ast	mm	2438				
4.34.2	Aisle width (pallet 800x1200 length)		Ast	mm	2360				
4.35	Turning radius		Wa	mm	1625				
PERFORMANCE DATA									
5.1	Travel speed laden/unladen			km/h	4/4.5				
5.2	Lift speed laden/unladen			mm/s	105/180				
5.3	Lowering speed laden/unladen			mm/s	165/170				
5.8	Max. gradeability laden/unladen			mm/s	5/15				
5.10	Service brake			mm/s	Electromagnetic				
ELECTRIC-ENGINE									
6.1	Drive motor, performance S2 60 min			kW	0.75				
6.2	Lift motor, performance with S3			kW	2.5				
6.3	Battery according to DIN 43531/35/36				Lead-acid				
6.4	Battery voltage/nominal capacity(K5)			V/Ah	●12/71x2 ○ 12/89 x 2				
6.5	Battery weight			kg	●23.3 x 2(71Ah) ○ 25.8 x 2(89Ah) (±0.3%)				
6.6	Energy consumption according to ISO23308			kWh	1.1				
OTHER									
8.1	Type of drive control				DC speed control				
8.3	Schalldruckpegel nach EN12053			dB(A)	<75				

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

● standard ○ option

			 kg
4000	500	300	
3500	800	600	
3300	1000	800	
3000	1200	1000	
2500	1500	1200	
			 mm
 mm	500	600	

		 kg	
	Q1(kg)		Q2(kg)
	0		1500
	200		1300
	400		1100
	600		900
	750	750	