



# WSS33H

## Electric Pedestrian Stacker

Lifting height: 79 -138 in / Load capacity: 3300 lbs



**Variable Speed  
Control**



**Intelligent & Efficient**



**Rugged & Durable**



**Easy & Comfortable**

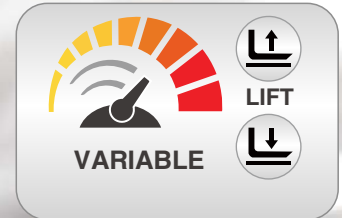
**STAX**

# 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.



## 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 3.9" 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.

### ■ Energy saving

Compared to the traditional fixed lifting & lowering speed, variable speed can be adjusted according to the load and height by operator, reducing energy waste and improving energy utilization rate.

### ■ 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.



# 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



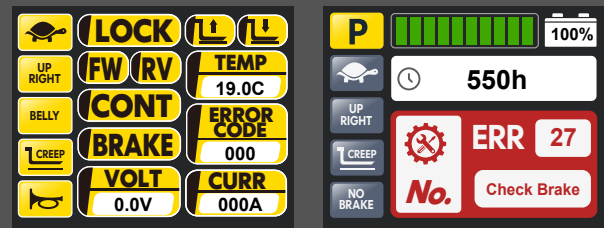
## Easy Maintenance

### 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

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 0.2"



## Double-chain design

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

# Safe operation

## Emergency reverse switch

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

## Safety travel speed limit

When the fork is lifted to above 19.6", the driving speed automatically reduces to 1.2mph to ensure the safety of operating at a high position in case of any misoperation.



## Built-in charger

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

## Battery low voltage protection

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

## Small deformation of forks and masts, stable and durable

More stable when lifting & lowering with loads.

## Full coverage protection on mast

## 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.



## High-strength forks

The forks are crafted from high-strength 1.57" steel in a single-piece formation. This design ensures exceptional durability and minimal deformation even when subjected to heavy loads.

## 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.



# Easy & Comfortable

- **Adjustment of support legs and forks**

The adjustable straddle leg design accommodates different pallet sizes and improves stability. The low silhouette straddle design allows for a lower bottom beam, maximizing storage space in the facility.

The support legs are fixed with three screws per side outside the truck's body, allowing for easy adjustment to achieve widths of 46", 51.5", and 57" . Forged forks with adjustable widths from 7.8" to 31.5", ensure durability and versatility. The truck includes a standard load backrest (LBR) for enhanced safety during material handling.

ID(in)	38.1	43.7	49.2
OD(in)	46	51.6	57



- **Effortless, easy to operate**

Low-mounted longer tiller reduces steering force required.

- **Excellent maneuverability**

Precise and maneuverable operating, high safety and efficiency.

- **Longer operating time**

Standard 24V/71Ah maintenance-free lead-acid battery, with the option of a larger capacity maintenance-free battery or a lithium battery.

- **Easy to recharge**

Built-in charger and an external charging cable storage box for convenient charging.

- **Low mast static height**

Easy to operate in containers and elevators with less than 130 inches lifting height.

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

Small turning radius.

## 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.



● **Lifting button**

● **Lowering button**

● **Max speed setting button**

● **Horn button**

**Speed Level 1 Set**



**Speed Level 5 Set**

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.

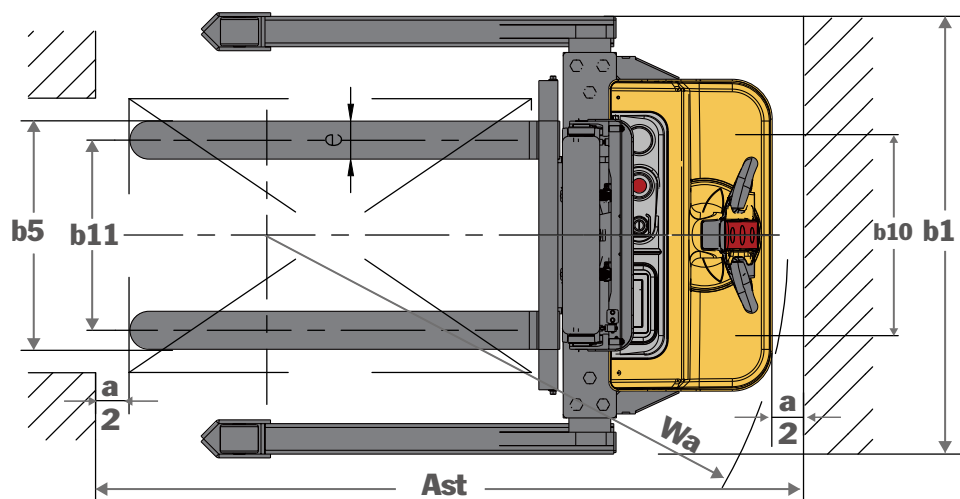
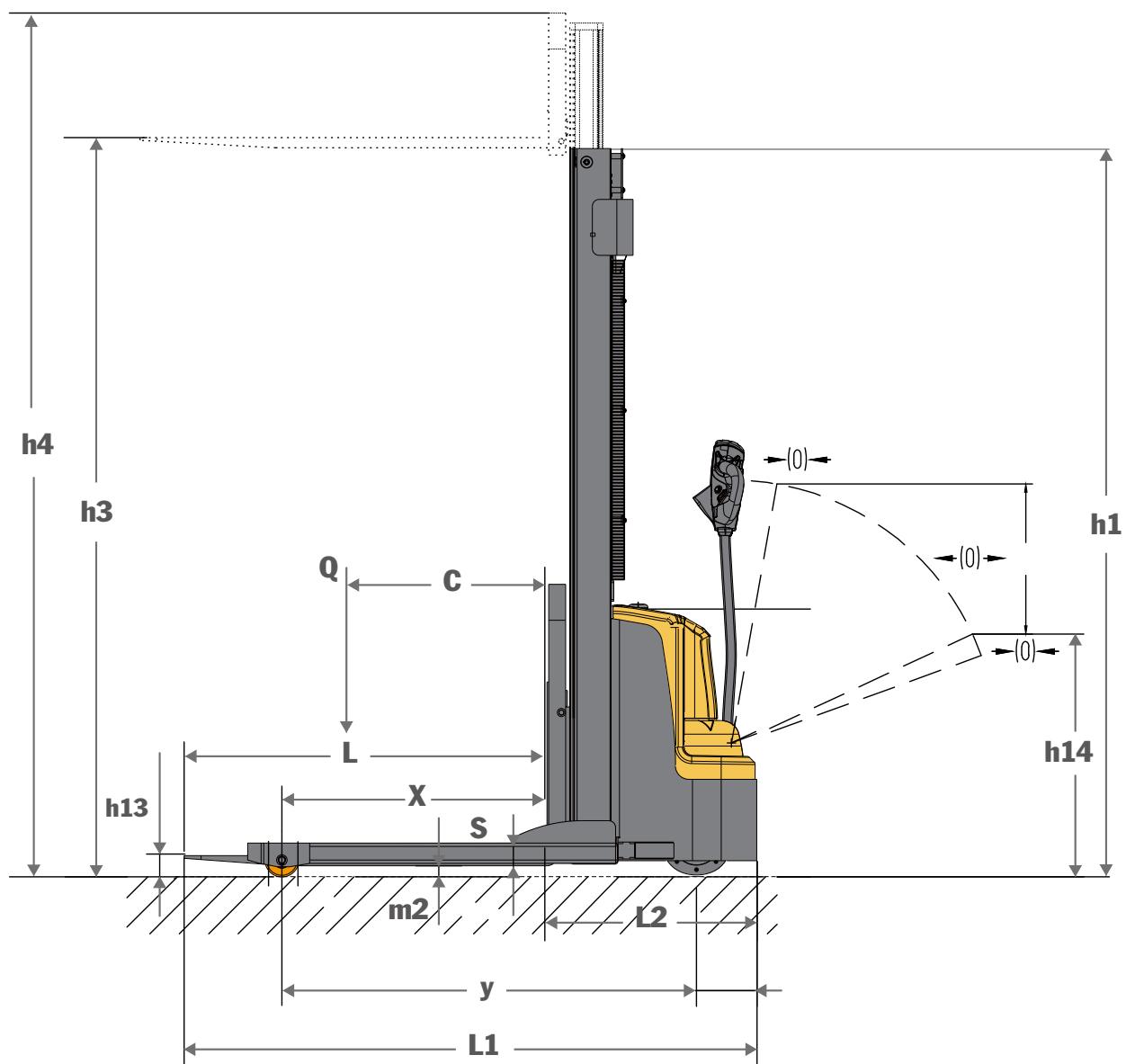
**Reversing  
buzzer**

**24V/60Ah  
LiFePO<sub>4</sub>**

**24V/15A  
Charger**

Lithium Battery Charger  
Charging time: 4 hours

# Dimensions



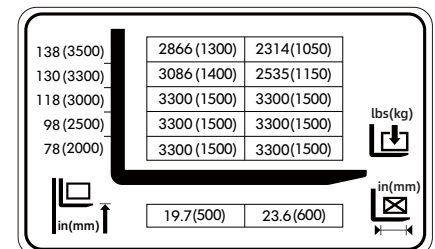


# Specifications

MODEL				WSS33H				
DISTINGUISHING MARKS								
1.3	Drive				Battery			
1.4	Operator type				Pedestrian			
1.5	Load capacity/rated load	Q	lbs(kg)	3300(1500)				
1.6	Load centre distance	c	in(mm)	23.6(600)				
1.9	Wheelbase	y	in(mm)	48(1223)				
WEIGHT								
2.1	Service weight (without battery)		lbs(kg)	1286(583.6)	1337(606.6)	1403(636.6)	1474(668.6)	1553(704.6)
2.1	Service weight (with 71Ah battery)		lbs(kg)	1388(630)	1439(653)	1505(683)	1576(715)	1655(751)
2.1	Service weight (with 89Ah battery)		lbs(kg)	1400(635.2)	1451(658.2)	1517(688.2)	1587(720.2)	1667(756.2)
2.2	Axle loading, laden front / rear		lbs(kg)	1439/3360(653/1524)				
2.2	Axle loading, unladen front / rear		lbs(kg)	1120/372(508/169)				
TYRES/ CHASSIS								
3.1	Wheels				Polyurethane			
3.2	Wheel size, front	Ø x width	in(mm)	φ8.6x2.7(φ210x70)				
3.3	Wheel size, rear	Ø x width	in(mm)	φ3.9X2.9(φ100X74)				
3.5	Wheels, number front/rear (x = driven wheels)				1x + 2			
3.7	Tread, rear	b11	in(mm)	42.1(38.2)/47.6(43.7)/53.1(49.2)	1070(970)/1210(1110)/1350(1250)			
DIMENSIONS								
4.2	Lowered mast height	h1	in(mm)	59.8(1518)	69.6(1768)	79.4(2018)	85.3(2168)	89.3(2268)
4.4	Lift height	h3	in(mm)	78.7(2000)	98.4(2500)	118.1(3000)	129.9(3300)	137.8(3500)
4.5	Extended mast height	h4	in(mm)	110.2(2800)	129.9(3300)	149.6(3800)	161.4(4100)	169.3(4300)
4.9	Height of tiller in driving position, min./max.	h14	in(mm)	27.2/49.4(692/1255)				
4.15	Height, lowered	h13	in(mm)	2.7(70)				
4.19	Overall length	l1	in(mm)	66.5(1689)				
4.20	Length to face of forks	l2	in(mm)	24.3(619)				
4.21	Overall width	b1	in(mm)	46/51.5/57(1170/1310/1450)				
4.22	Fork dimensions	s/e/l	in(mm)	1.5X3.9X42/45.2/47.2(40X100X1070/1150/1200)				
4.25	Width over forks	b5	in(mm)	7.8-31.5(200-800)				
4.32	Ground clearance, centre of wheelbase	m2	in(mm)	1.5(40)				
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	in(mm)	78.8(2002)				
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	in(mm)	77.2(1961)				
4.35	Turning radius	Wa	in(mm)	56.5(1435)				
4.36	Baseleg Inside Dimension		in(mm)	38/43.7/49.2(970/1110/1250)				
4.37	Baseleg Outside Dimension		in(mm)	46/51.6/57(1170/1310/1450)				
4.38	Length /Outriggers		in(mm)	37.4(952)				
4.39	Power Unit Width		in(mm)	32.2(820)				
4.40	Power Unit Height		in(mm)	31.5(802)				
PERFORMANCE DATA								
5.1	Travel speed, with/without load		mph(km/h)	2.5/2.8(4/4.5)				
5.2	Lift speed, with/without load		ft/min(mm/s)	0-43.3(0-220)				
5.3	Lowering speed, with/without load		ft/min(mm/s)	8-49.2(40.7-250)				
5.8	Max. gradeability, with/without load		%	5/15				
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	2.2				
6.4	Battery voltage/nominal capacity (C5)		V/Ah	● 12/71 x 2 ○ (12/89) x 2				
6.5	Battery weight +/- 5%		lbs(kg)	● 51.1 x 2 (71Ah)/ ○ 56.8 x 2 (89Ah) (23.2 x 2/25.8 x 2)				
6.6	Energy consumption according to EN 16796		kWh	0.45				
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				

● standard ○ option

MAST DIMENSIONS							
WSS33H				Duplex Mast			
h1	Lowered mast height	in(mm)	59.8(1518)	69.6(1768)	79.4(2018)	85.3(2168)	89.3(2268)
h3	Lift height	in(mm)	78.7(2000)	98.4(2500)	118.1(3000)	129.9(3300)	137.8(3500)
h4	Extended mast height	in(mm)	110.2(2800)	129.9(3300)	149.6(3800)	161.4(4100)	169.3(4300)



| **MAKE**  
**YOUR JOB**  
**EASIER!**



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