ELECTRIC PEDESTRIAN STACKER
WS15H-35_71_56x115

Lifting Height: 3500 mm / Load Capacity: 1500 kg

Variable Speed Control

Intelligent & Efficient

Rugged & Durable

Easy & Comfortable

Easy, Safe and Efficient

Feature

- Proportional speed control for lifting and lowering, fast or slow, as you wish; Easy, safe and efficient
- High efficiency, fast lifting and lowering speeds
- Compact size in narrow warehouse environments with efficient and easy pallet stacking
- Intelligent and efficient
- Sturdy, robust, and durable

Option

- **Lithium Battery**

  LI-ION 24V 60/100Ah

- **Intelligent Control**

  - Lifting button
  - Lowering button
  - Max speed setting button
  - Horn button
  - On/Off (for Intelligent control)

WS15H

Capacity:
1500kg

Lift Height:
2000-4000mm

Fork size:
560/680 x 1150mm

Battery
24V 71Ah/89Ah (C5)

Variable Speed Control on Lifting & Lowering

Comfortable and efficient thanks to AWTC 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.
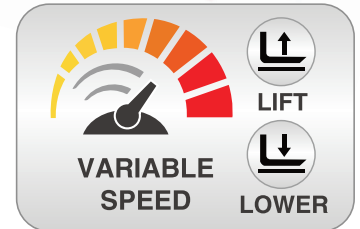
Variable speed control by proportional control knob, keeps lifting and lowering smooth, stable, safe and engergy saving.

BEFORE

FIXED SPEED

NEW

VARIABLE SPEED

LIFT

LOWER

Precise Control

Lowering speed +30%

Manoeuvrability +300%

Energy consumption -15%

- **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.
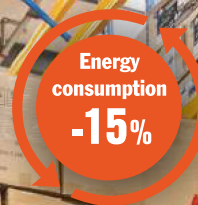
- **High efficiency**

  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.

- **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.

Intellingent & Efficient

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

UNIQUE

Multifunctional intelligent tiller handle

Recharging Alert

Lifting & Lowering

Fault code display

Emergency reverse switch

Forward and backward control knob
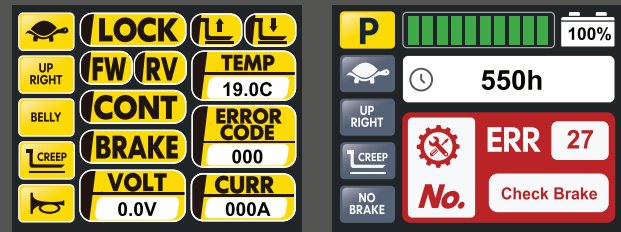
Horn

Battery power

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

LOCK	⬆️ ⬇️		P	▮▮▮▮▮▮▮▮ 100%
UP RIGHT	FW RV	TEMP 19.0C		🕐 550h
BELLY	CONT	ERROR CODE 000	UP RIGHT	
CREEP	BRAKE		CREEP	⚙️ ERR 27
	VOLT 0.0V	CURR 000A	NO BRAKE	No. Check Brake

🔍 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.

AWTC solid steel channel [I

Cheap steel channel CC

Longer service life

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

Double-chain design

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

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.

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 500mm, the driving speed automatically reduces to 2km/h 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.
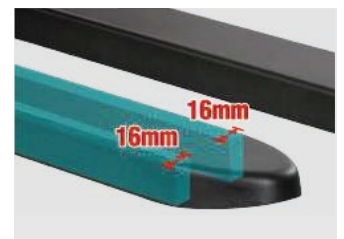
High lateral and longitudinal stability

Wider wheelbase and longer axle distance.

Adjustable balance wheel

Improved stability and maneuverability, suitable for different working scenarios.

The low ground clearance of 30 mm helps to reduce the risk of foot injuries
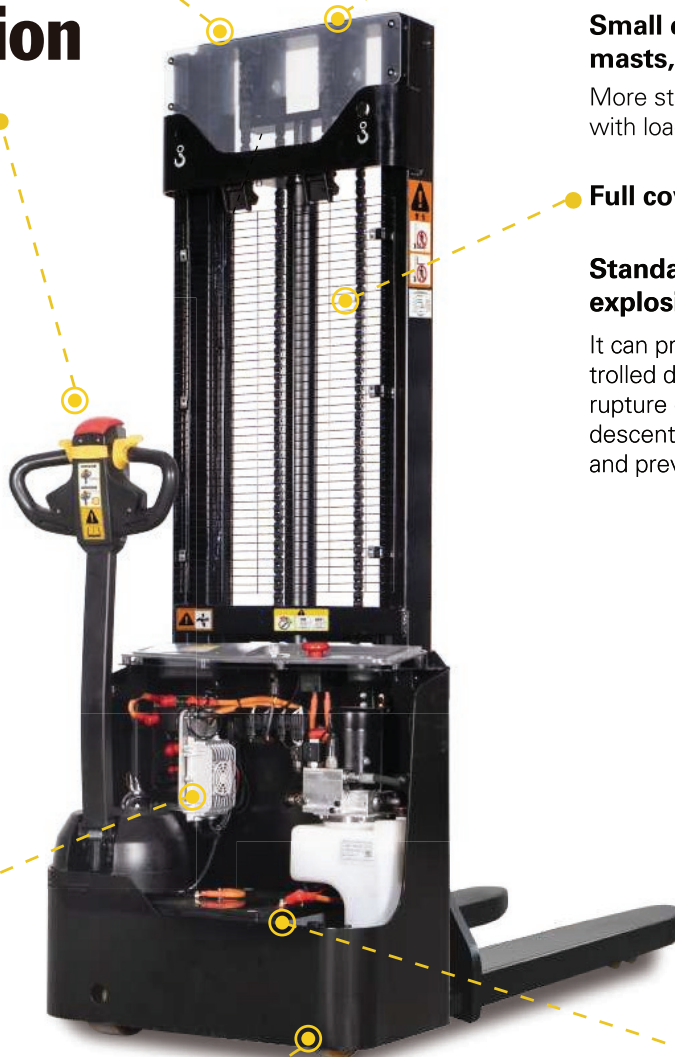
High-strength forks

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

The battery is fixed at the bottom of the frame

Improved stability.

Battery low voltage protection

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

Easy & Comfortable

- **Effortless, easy to operate**

  Low-mounted longer tiller reduces steering force required.

- **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.

- **Easy to recharge**

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

- **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.
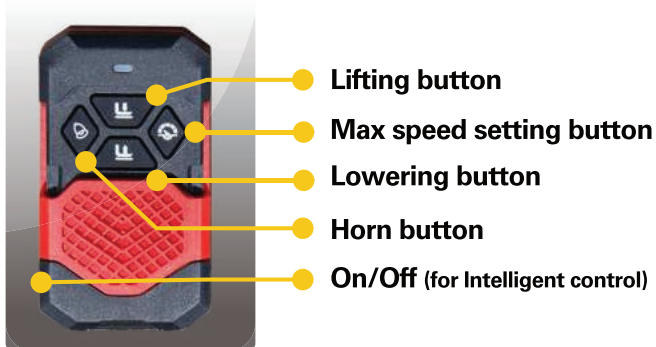
Optional Configuration
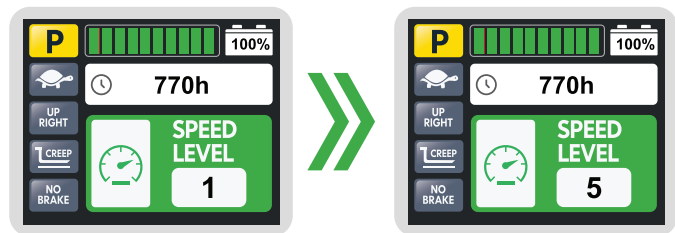
- **Intelligent control**

  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

  Max speed setting button

  Lowering button

  Horn button

  On/Off (for Intelligent control)

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.

P	100%
UP RIGHT	770h
CREEP	SPEED LEVEL
NO BRAKE	1

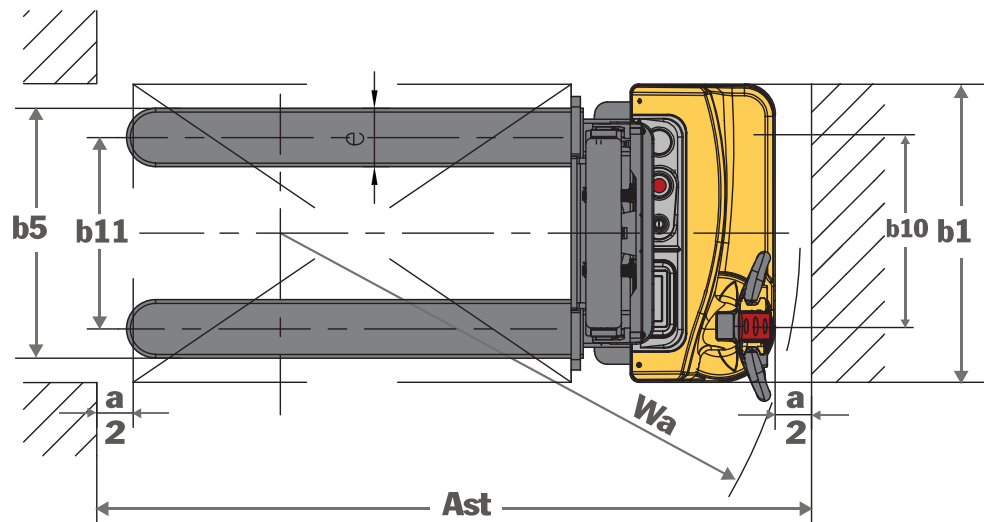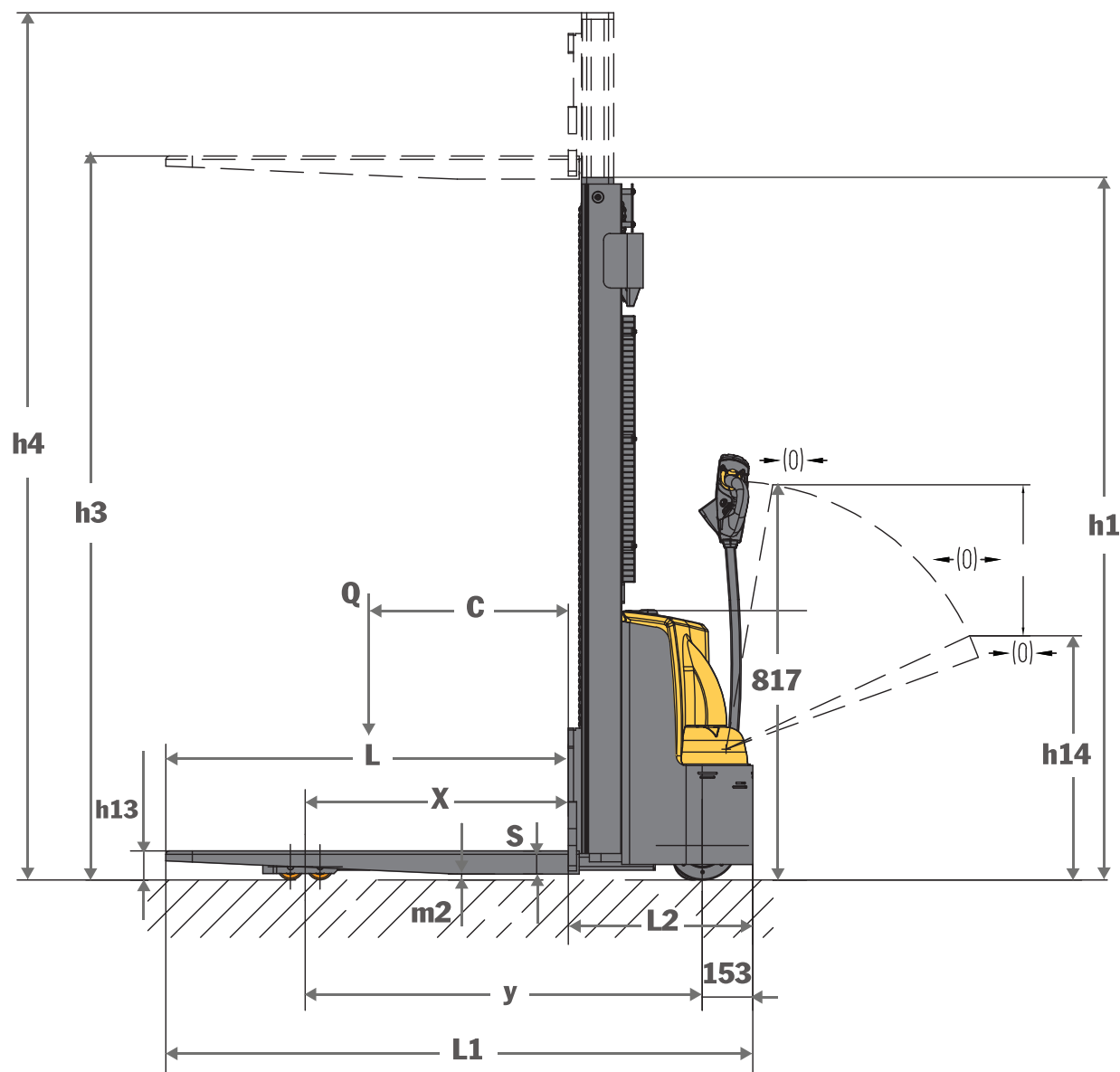| P	100%
UP RIGHT	770h
CREEP	SPEED LEVEL
NO BRAKE	5

- **Reversing buzzer**

- **24V 60Ah(100Ah) LiFePO$_4$ Lithium battery**

- **24V/30A chargers**
  Lithium Battery Charger
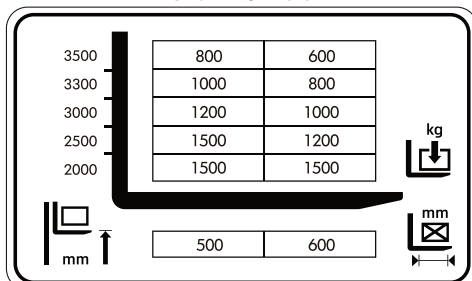 Charging time: 2~4 hours

Dimensions

Specifications

Section	Spec No.	Description	Reference	Unit	Specs
AWTC Electric Pedestrian Stacker _Model: WS15H-35_71_56x115_					
1. Drive	1.1.	Drive		-	Battery
	1.2.	Operator Type		-	Pedestrian
	1.3.	Load capacity / Rated Load	Q	kg	1500
	1.4.	Load centre distance	c	mm	600
	1.5.	Load distance (center of drive axle to fork)	x	mm	800
	1.6.	Wheelbase	y	mm	1210
2. Weight	2.1.	Service weight (w/o battery)		kg	575
	2.2.	**With 71Ah battery**		**kg**	**623**
	2.3.	**With 89Ah battery**		**kg**	**628**
	2.4.	Axle load, laden (front/rear)		kg	618/1441
	2.5.	Axle load, unladen (front/rear)		kg	419/140
3. Tyres/Chassis	3.1.	Wheel type		-	Polyurethane
	3.2.	Wheel size (front)	Ø x width	mm	Ø210×70
	3.3.	Wheel size (rear)	Ø x width	mm	Ø80×70
	3.4.	Additional wheels	Ø x width	mm	Ø115×55
	3.5.	Wheels, number front/rear (x = driven wheels)		-	1x+1/4
	3.6.	Tread (front)	b10	mm	550
	3.7.	**Tread (rear)**	**b11**	**mm**	**390**
4. Dimensions	4.1.	**Lowered mast height**	**h1**	**mm**	**2230**
	4.2.	**Max. Lifting height**	**h3**	**mm**	**3500**
	4.3.	**Extended mast height**	**h4**	**mm**	**3935**
	4.4.	Tiller height in driving position (min/max)	h14	mm	910/1270
	4.5.	Height, lowered	h13	mm	85±2
	4.6.	**Overall length**	**l1**	**mm**	**1730**
	4.7.	Length to fork face	l2	mm	580
	4.8.	Overall width	b1	mm	820
	4.9.	**Fork dimensions**	**s/e/l**	**mm**	**70×160×1150**
	4.10.	**Width over forks**	**b5**	**mm**	**560**
	4.11.	Ground clearance	m2	mm	30
	4.12.1.	Aisle width (1000×1200) crossways	Ast	mm	2268
	4.12.2.	Aisle width (800×1200) lengthways	Ast	mm	2194
	4.13.	Turning radius	Wa	mm	1425
5. Performance	5.1.	Travel speed (load/no load)		km/h	4 / 4.5
	5.2.1.	Lift speed (no load)		mm/s	0–190
	5.2.2.	Lift speed (with load)		mm/s	0–102
	5.3.1.	Lowering speed (no load)		mm/s	20–200
	5.3.2.	Lowering speed (with load)		mm/s	30–135
	5.4.	Max. gradeability (load/no load)		%	5 / 10
	5.5.	Brake type		-	Electromagnetic
6. Electric Engine	6.1.	Drive motor rating (S2 60min)		kW	0.75
	6.2.	Lift motor rating (S3 15%)		kW	2.5
	6.3.	**Battery voltage/nominal capacity (K5)**		**V/Ah**	**12/71 x2 or 12/89 x2**
	6.4.	**Battery weight ±5%**		**kg**	**23.2 x2 or 25.8 x2**
	6.5.	Energy consumption according to EN 16796		kWh	0.42
7. Other	7.1.	Drive control type		-	DC seed control
	7.1.	Sound level at driver's ear according to EN 12053		dB(A)	<75

Load Chart

WS15H 2.0m-3.5m

3500	800	600
3300	1000	800
3000	1200	1000
2500	1500	1200
2000	1500	1500

kg

mm

500	600

mm