

DYNALIFT 15E-SL



Electric Pedestrian Stacker

Lifting height: : 2000-3500 mm / Load capacity: 1500 kg



**Variable Speed
Control**



Intelligent & Efficient



Rugged & Durable



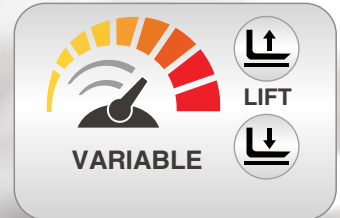
Easy & Comfortable

Variable Speed Control on Lifting & Lowering

Comfortable and efficient thanks to DYNALIFT 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 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.



Intelligent & Efficient

DYNALIFT 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

	LOCK	
UP RIGHT	FW RV	TEMP
BELLY	CONT	19.0C
1 CREEP	BRAKE	ERROR CODE
	VOLT	000
	0.0V	CURR
		000A

P		100%
	550h	
	ERR 27	
	No. Check Brake	
UP RIGHT		
CREEP		
NO 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.



Longer service life

Mast: Standard C+H channel steel
Frame: Steel plate thickness of 5mm



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.



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 heavy loads.

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

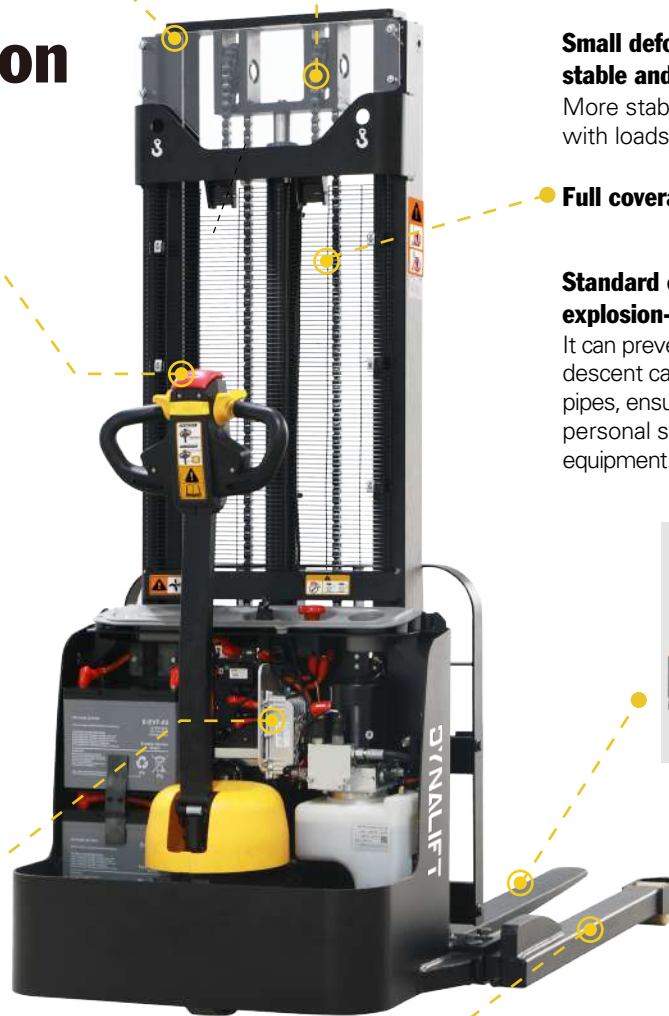
Hidden charging plug, high safety, the whole vehicle is powered off during charging, reducing safety hazards.

Battery low voltage protection

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

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 1170mm, 1310mm, and 1450mm. Forged forks with adjustable widths from 200mm to 800mm, ensure durability and versatility. The truck includes a standard load backrest (LBR) for enhanced safety during material handling.



ID(mm)	970	1110	1250
OD(mm)	1170	1310	1450

- **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 3.3m lifting height.

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

Small turning radius.

Optional Configuration

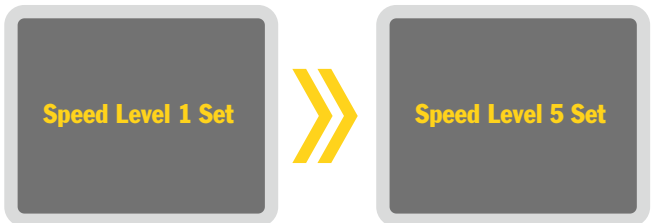
- **Intelligent control**

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**

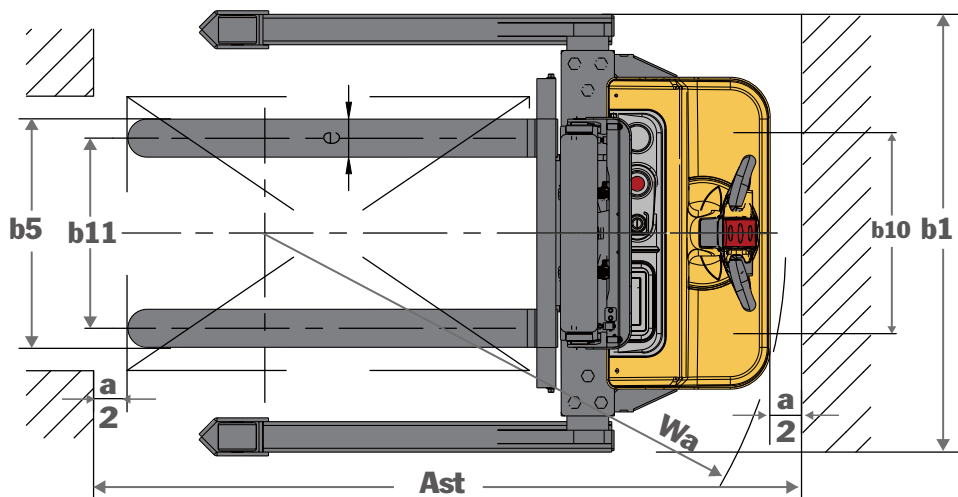
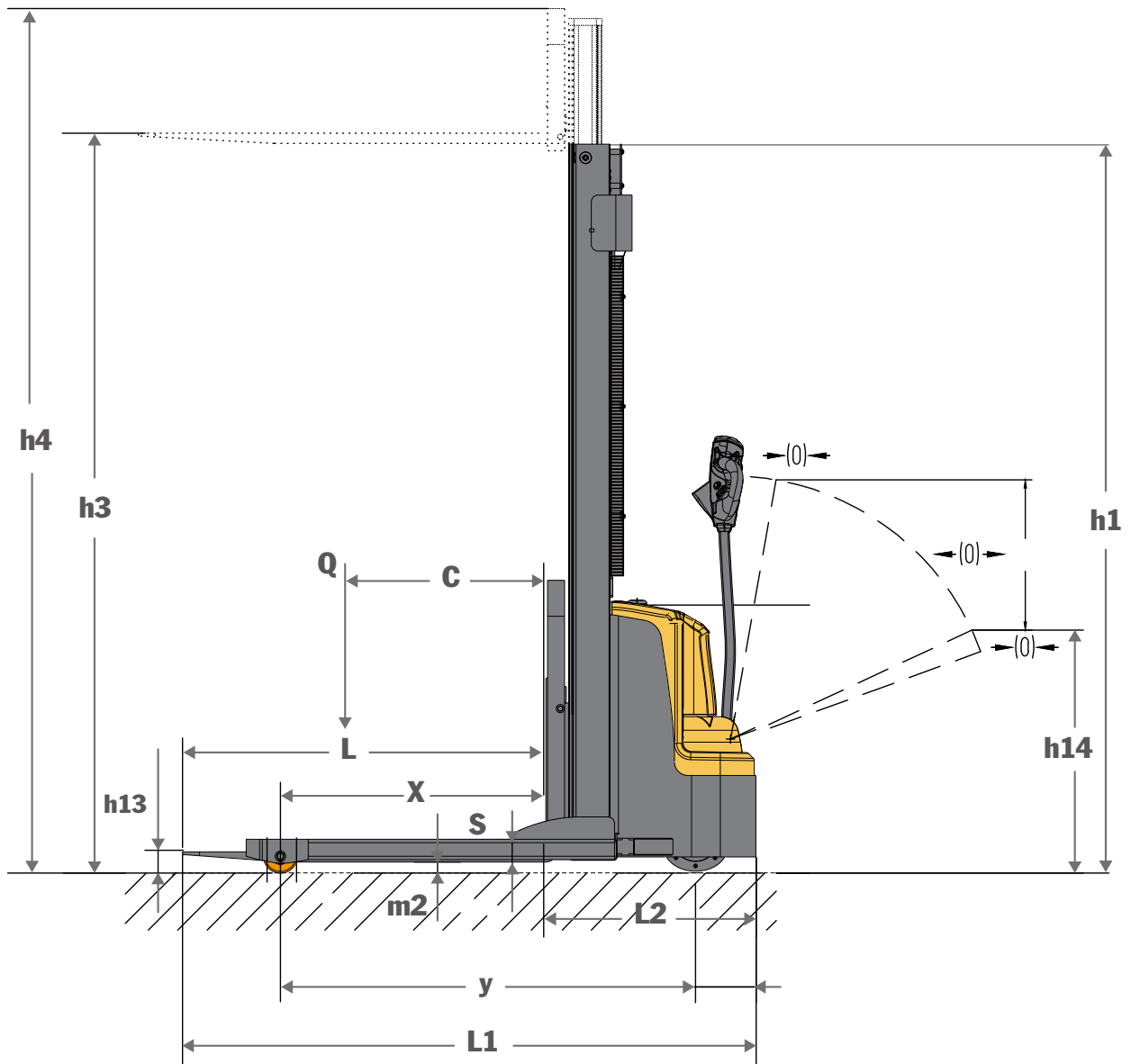


With the remote control device, you can easily set the speed suitable for the work, from level 1 speed to level 5 speed. Such speed transitions allow you to move the truck with controlled operation at ease.



Lithium Battery Charger
Charging time: 4 hours

Dimensions



Specifications

MODEL				15E-SL				
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					796
1.9	Wheelbase	y	mm					1223
WEIGHT								
2.1	Service weight (without battery)		kg	583.6	606.6	636.6	668.6	704.6
2.2	Service weight (with 71Ah battery)		kg	630	653	683	715	751
2.3	Service weight (with 89Ah battery)		kg	635.2	658.2	688.2	720.2	756.2
2.4	Axle loading, laden front/rear		kg			653/1524		
2.5	Axle loading, unladen front/rear		kg			508/169		
TYRES / CHASSIS								
3.1	Wheels							Polyurethane
3.2	Wheel size, front	Ø x width	mm					Ø210 x 70
3.3	Wheel size, rear	Ø x width	mm					Ø100 x 74
3.5	Wheels, number front/rear (x = driven wheels)							1x + 2
3.6	Tread, front	b10	mm					550
3.7	Tread, rear	b11	mm			1070(970)/1210(1110)/1350(1250)		
DIMENSIONS								
4.2	Lowered mast height	h1	mm	1518	1768	2018	2168	2268
4.4	Lift height	h3	mm	2000	2500	3000	3300	3500
4.5	Extended mast height	h4	mm	2800	3300	3800	4100	4300
4.9	Height of tiller in driving position, min./max.	h14	mm			692/1255		
4.15	Height, lowered	h13	mm			70		
4.19	Overall length	l1	mm			1689		
4.20	Length to face of forks	l2	mm			619		
4.21	Overall width	b1	mm			1170/1310/1450		
4.22	Fork dimensions	s/e/l	mm			40x100x1070/1150/1200/1220		
4.25	Width over forks	b5	b5(mm)			200-800		
4.32	Ground clearance, centre of wheelbase	m2	m2(mm)			40		
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	Ast(mm)			2002		
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	Ast(mm)			1961		
4.35	Turning radius	Wa	Wa(mm)			1435		
4.36	Baseleg Inside Dimension		mm			970/1110/1250		
4.37	Baseleg Outside Dimension		mm			1170/1310/1450		
4.38	Length /Outriggers		mm			952		
4.39	Power Unit Width		mm			820		
4.40	Power Unit Height		mm			802		
PERFORMANCE DATA								
5.1	Travel speed, with/without load		km/h			4/4.5		
5.2	Lift speed, with/without load		mm/s			0-220		
5.3	Lowering speed, with/without load		mm/s			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%		kg			● 23.2 x 2(71Ah)/ ○ 25.8 x 2(89Ah)		
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							
WSS15H				Duplex Mast			
h1	Lowered mast height	mm	1518	1768	2018	2168	2268
h3	Lift height	mm	2000	2500	3000	3300	3500
h4	Extended mast height	mm	2800	3300	3800	4100	4300

