



TRITON RS15H-3500

Electric Ride On Stacker

Lifting height: 3500mm / Load capacity: 1500kg



**Variable Speed
Control**



Intelligent & Efficient



Rugged & Durable



Easy & Comfortable

Variable Speed Control on Lifting & Lowering

Comfortable and efficient thanks to 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.

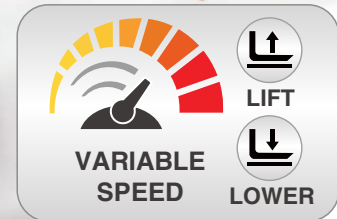
Variable speed control by proportional control knob, keeps lifting and lowering smooth, stable, safe and energy saving.

BEFORE



FIXED SPEED

NEW



Precise Control

1 Lifting and lowering are smoother and safer

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.

2 Proportional lifting & lowering, 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.

3 No-load lifting speed +37%, lowering speed +137%

4 Smoother lowering

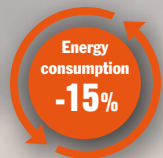
Faster lowering speed for loads below 500kg;
Slower lowering speed for loads exceeding 500kg, ensuring safety.

5 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.

6 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

- 1 Forward and backward control knob
- 2 Lifting & Lowering
- 3 Fault code display
- 4 Horn
- 5 Emergency reverse switch
- 6 Up-Right drive and total speed



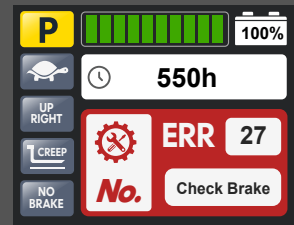
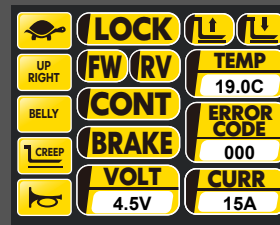
Easy Maintenance

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.

1 Longer service life

Mast: Standard C+H channel steel

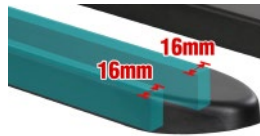


Frame bottom plate:
30mm integrated steel plate



2 High-strength forks

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



3 Solid support legs

Increased chassis durability
Higher remaining load capacity at
same lifting height



4 Double-chain design

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

5 Drive unit temperature control

Travel motor with temperature
control, protects motor with smart
overheating alerts

6 Battery low voltage protection

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

Safe operation

1 Emergency reverse switch

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

2 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.

3 Built-in charger

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

4 Full coverage protection on mast

5 Standard equipped with cylinder explosion-proof valve

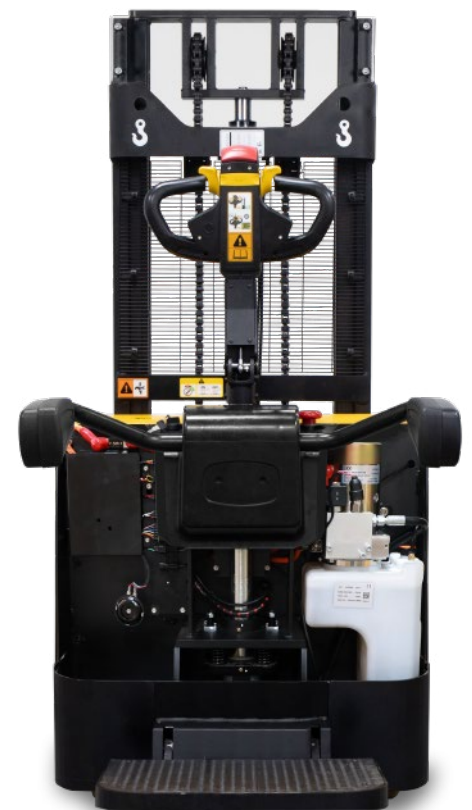
It can prevent accidents such as uncon-
trolled descent caused by unexpected
rupture of oil pipes, ensuring stable
descent of the load and personal safety,
and preventing damage to equipment.

6 Smoother lowering

Faster lowering speed for loads
below 500kg;
Slower lowering speed for loads
exceeding 500kg, ensuring safety.

7 Stacker Lifting Height Limit at driving mode

When the protection arm and the
platform are opened simultaneously,
the maximum lifting height of the
stacker is limited to 1800 mm to
prevent dangers caused by accidental
operations.
When the protection arms are closed,
the stacker can lift normally.



Easy & Comfortable

1 Effortless, easy to operate

Low-mounted longer tiller reduces steering force required.

2 Low mast static height

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

3 The steering angle is designed to be above 180 degrees

Small turning radius.

4 Excellent maneuverability

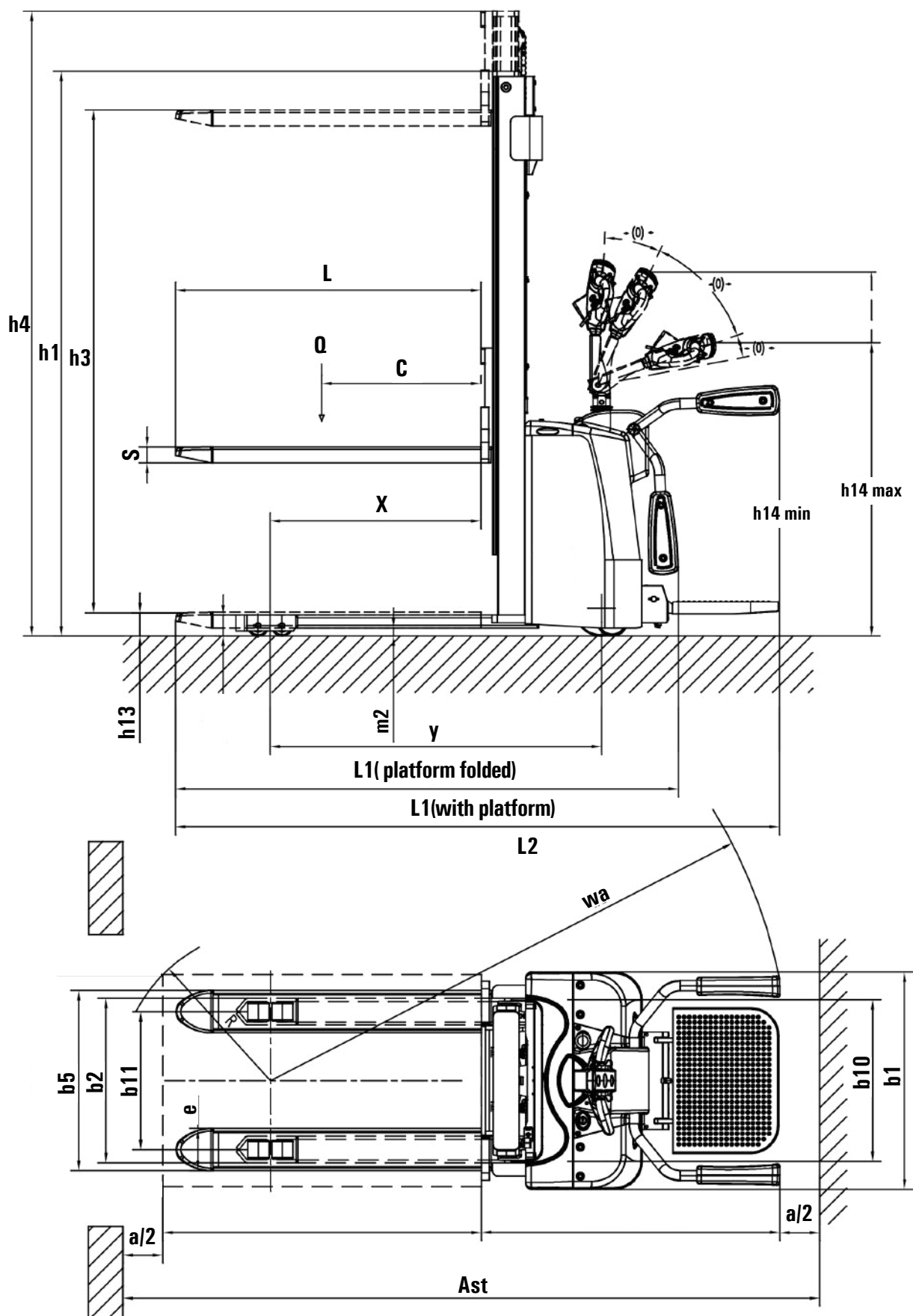
Precise and maneuverable operating, high safety and efficiency.

5 Longer operating time

Standard 24V/106Ah maintenance-free lead-acid battery
larger capacity maintenance-free



Dimensions



Specifications

MODEL				RS15H-3500			
DISTINGUISHING MARKS							
1.3	Drive				Battery		
1.4	Operator type				Rider / Ride On		
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	1250			
WEIGHT							
2.1	Service weight (without battery)		kg		685		
	Service weight (with Lead-acid battery 106Ah)		kg		750.6		
			kg				
2.2	Axle loading, laden front/rear (2.5m lifting height)		kg	671.6/1565			
2.3	Axle loading, unladen front/rear (2.5m lifting height)		kg		550/186.6		
TYRES/ CHASSIS							
3.1	Wheels				PU		
3.2	Wheel size, front	Ø x width	mm	φ210x70			
3.3	Wheel size, rear	Ø x width	mm	φ80X70			
3.4	Additional wheels (dimensions)	Ø x width	mm	φ115X55			
3.5	Wheels, number front/rear (x = driven wheels)				1x + 2 / 4		
3.6	Tread, front	b10	mm	610			
3.7	Tread, rear	b11	mm	400(560 fork width)			
DIMENSIONS							
4.2	Lowered mast height	h1	mm		2230		
4.3	Free lift height	h2	mm		—		
4.4	Lift height	h3	mm		3500		
4.5	Extended mast height	h4	mm		3935		
4.9	Height of tiller in driving position, min./max.	h14	mm	990/1225			
4.15	Height, lowered	h13	mm	85			
4.19							
	Overall length (1150 fork length)	l1	mm	1894(platform folded) / 2275(with plarform)			
4.20	Length to face of forks	l2	mm	705			
4.21.1	Overall width across chassis	b1	mm	820			
4.21.2	Overall width across all/Outer width straddle	b2	mm	820			
4.22	Fork dimensions	s/e/l	mm	70X160X1150			
4.25	Width over forks	b5	mm	560			
4.32	Ground clearance, centre of wheelbase	m2	m2(mm)	16			
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	Ast(mm)	2320(platform folded) / 2643(with plarform)			
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	Ast(mm)	2246(platform folded) / 2569(with plarform)			
4.35	Turning radius	Wa	Wa(mm)	1575(platform folded) / 1956(with plarform)			
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	21.7-220			
	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			
6.3	Battery voltage/nominal capacity		V/Ah	●12/106			
6.5	Battery weight		kg	●32.8x 2(106Ah)			
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		

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

- standard ○ option

With 106Ah lead-acid battery

