



RS15H

Electric Rider Stacker

Lifting height: 2000-4000 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 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

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



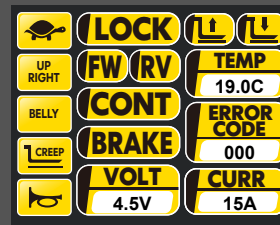
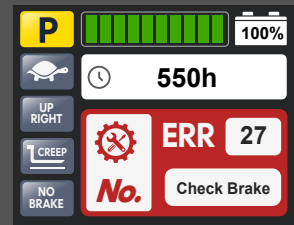
Easy Maintenance

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

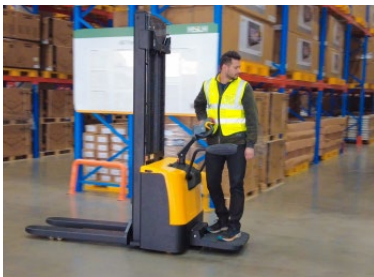


Operation status & fault diagnosis are integrated onto the tiller handle display for easy troubleshooting.

Operator Preferred

Turtle Speed

01



Enable operator to choose different speed modes based on their experience and the specific work environment.

Up-Right Drive

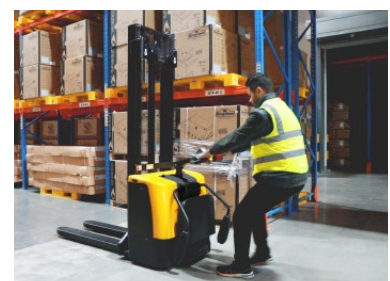
02



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

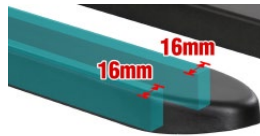


Frame bottom plate:
30mm integrated steel plate



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 truck is
powered off during charging,
reducing safety hazards.

4 Full coverage protection on mast

5 Standard equipped with cylinder explosion-proof valve

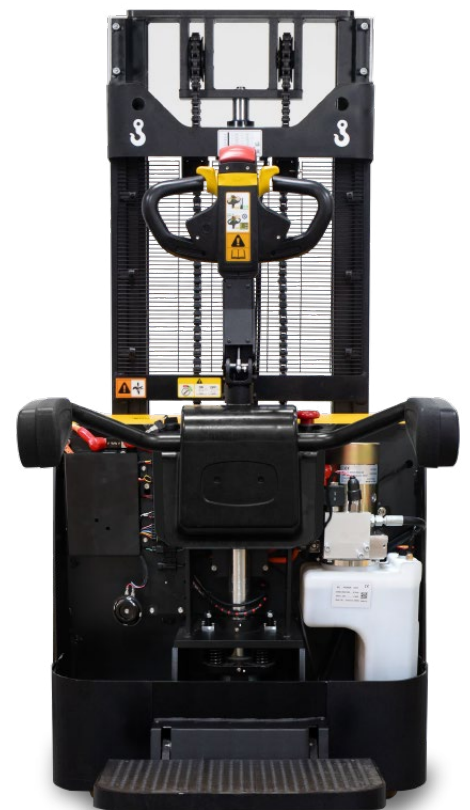
It can prevent accidents such as uncon-
trolled descent caused by unexpected
rupture of oil pipes, ensuring stable
descent of the load and personal safety,
and preventing damage to equipment.

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 unfolded 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 folded,
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, 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.



- 1 On
- 2 Off
- 3 Lift
- 4 Lower
- 5 5 Speed Variables
- 6 Horn



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.

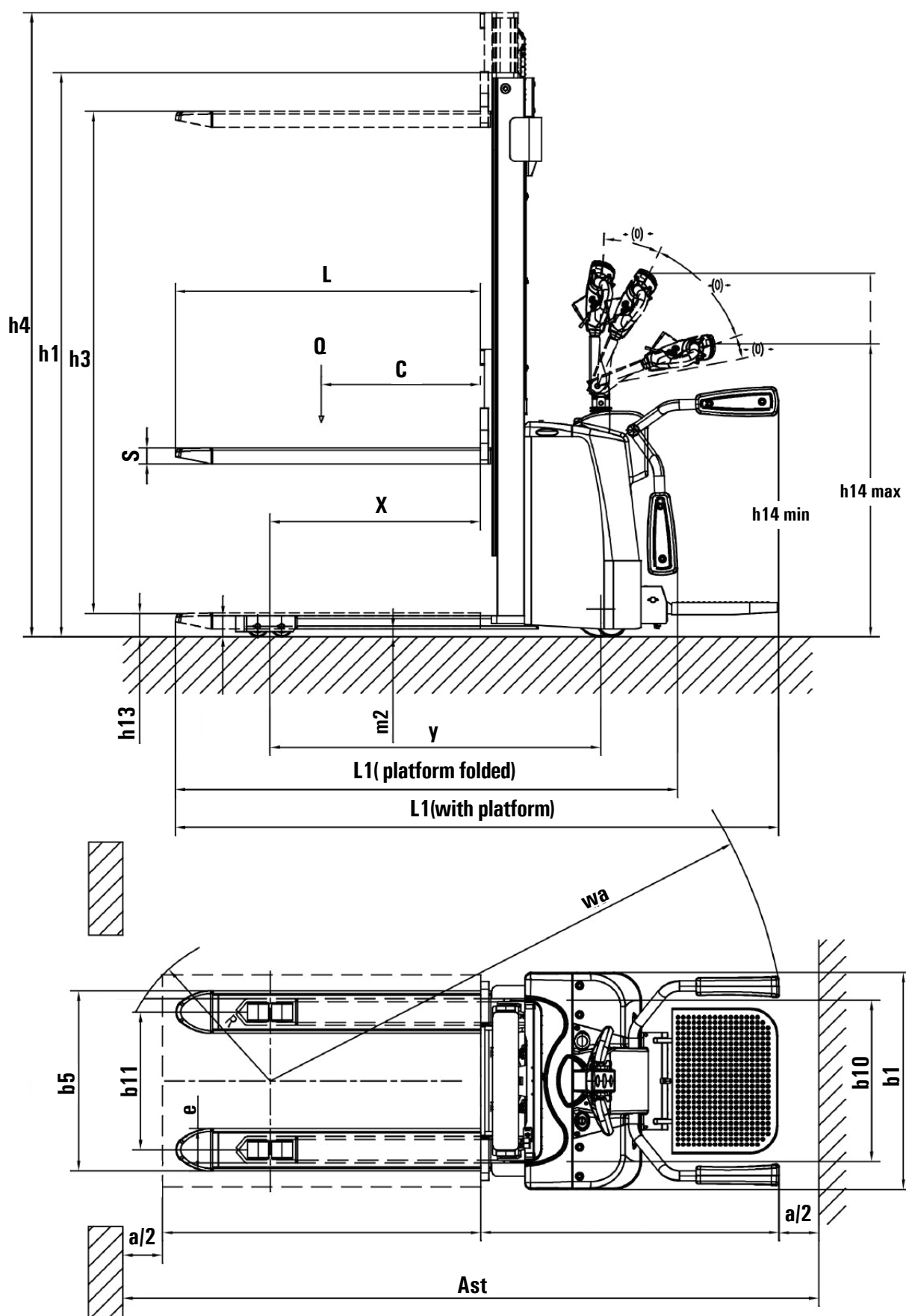
SPEED LEVEL	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
Speed(laden) (km/h)	0.68	1.32	2.4	3.48	4
Speed(unladen) (km/h)	0.77	1.49	2.7	3.92	4.5



- Rubber drive wheel
- Reversing buzzer
- Plexiglass

- 24V/210Ah Lead acid battery
- 24V/30A chargers
Lithium Battery Charger
Charging time: 2~4 hours

Dimensions



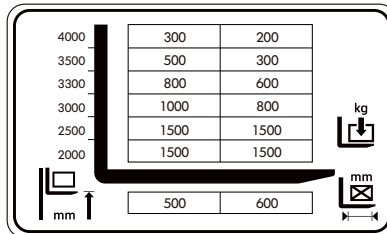
Specifications

MODEL				RS15H					
DISTINGUISHING MARKS									
1.3	Drive								Battery
1.4	Operator type								Rider
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	634	651	668	678	685	713
	Service weight (with Lead-acid battery 106Ah)		kg	699.6	716.6	733.6	743.6	750.6	778.6
	Service weight (with Lead-acid battery 210Ah)		kg	809	826	843	853	860	888
2.2	Axle loading, laden front/rear (2.5m lifting height)		kg	656.6/1529	661.6/1541	666.6/1553	669.6/1560	671.6/1565	679.6/1585
2.3	Axle loading, unladen front/rear (2.5m lifting height)		kg	512/173.6	525/177.6	538/181.6	546/183.6	550/186.6	571/193.6
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)/520(680 fork width)
DIMENSIONS									
4.2	Lowered mast height	h1	mm	1480	1730	1980	2130	2230	2480
4.3	Free lift height	h2	mm	—	—	—	—	—	—
4.4	Lift height	h3	mm	2000	2500	3000	3300	3500	4000
4.5	Extended mast height	h4	mm	2435	2935	3435	3735	3935	4435
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 (1220 fork length)	l1	mm						1973(platform folded) / 2345(with platform)
	Overall length (1150 fork length)	l1	mm						1903(platform folded) / 2275(with platform)
4.20	Length to face of forks		mm						753 (platform folded) / 1125(with platform)
4.21.1	Overall width across chassis	b1	mm						820
4.21.2	Overall width across all/Outer width straddle		mm						820
4.22	Fork dimensions	s/e/l	mm						70X160X1220 / 70X160X1150
4.25	Width over forks	b5	mm						680 / 560
4.32	Ground clearance, centre of wheelbase	m2	m2(mm)						20/16
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	Ast(mm)						2320(platform folded) / 2643(with platform)
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	Ast(mm)						2246(platform folded) / 2569(with platform)
4.35	Turning radius	Wa	Wa(mm)						1575(platform folded) / 1956(with platform)
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 x 2 ○24/210
6.5	Battery weight		kg						●32.8x 2(106Ah) ○175 (210Ah)
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 or 100Ah lithium battery



With 210Ah lead-acid battery

