



## SMITH ELECTRIC FORKLIFT | 3-WHEEL ELECTRIC LIFT TRUCK 1500KG, 450CM

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- Suitable for **indoor and outdoor use**, suitable for **narrow spaces, environmentally friendly**
- **360° rotation on the spot**
- Fork size: **618\*1070mm - for EURO pallet**
- **The lifting motor** has the power of **24V/4.5 kW**
- **Powerful battery 24V/400 Ah** and a **charger**
- Ergonomic - **very stable**
- Load capacity **1500 kg or 1.5t**
- **12 months' warranty**
- Lifting height: **4500mm**
- Easy to use and **simple to be adjusted**
- Electric forklift + **powerful battery (24V/400Ah)** + charger (24V/10A, European standard)

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**SMITH Electric Forklift | 3-Wheel Electric Lift Truck** is a multi-use forklift that leads the industry in run time, travel speeds, and lift/lowering speeds. The ergonomically pleasing, easy to maintain Three-Wheel Electric Forklift is an asset to any application, including narrow aisles and tight spaces. It adopts an advanced structure such as a ring rod lifting system and DC controller, at the same time it is equipped with a **high-quality motor, battery, and pump station motor**. 3-Wheel Electric Lift Truck employs cutting-edge techniques and quality-approved material in fulfillment with the set industrial norms. As well, our product is checked by our adept quality controllers in order to avoid any possible defect. Customers can avail 3-Wheel Electric Lift Trucks at affordable prices. It has the characteristics of

- maximum visibility
- nested rail profiles
- hydraulically damped lift cylinders
- low-noise lifting hydraulics
- reduced vibrations
- adjustable canted load rollers
- optimum load distribution
- less pollution
- and beautiful appearance

This electric forklift is suitable for working on smooth ground in the warehouse and also in open spaces. A 3-Wheel Electric forklift can be used for lifting up heavy objects and pallets to about 4500mm high and transporting them to the new location. The electric forklift truck is an affordable and powerful electric forklift to have around. The 3-Wheel Electric Lift Truck can lift various objects and pallets and is highly customizable. The electric forklift has two motors. One is for driving and one is for lifting. The driving **motor** has the power of **24V/1.7 kW** and **the lifting motor has the power of 24V/4.5 kW** This electric forklift comes with a **powerful battery of 24V/400 Ah** and a **charger**. The battery is very powerful and allows you to use an electric stacker for several hours without recharging. Recharging is very fast, therefore, you will not waste time waiting. The maneuverability and ease of operation with this 3-Wheel Electric Lift Truck will allow you to use it for lifting pallets or heavy objects **4500mm** high from the ground and putting them in a new location. 3-Wheel Electric Lift Truck SMITH is designed in a way that can be easily operated and it doesn't use a lot of space. **It has a 12-month warranty, service is available only in Slovenia.**

### SPECIFICATION OF 3-WHEEL ELECTRIC FORKLIFT

Model	SMITH Electric Forklift   3-Wheel Electric Lift Truck 1500kg, 450cm	
Power	Battery	
Operation type	Seated-on	
Load Capacity	1500	kg
Load center distance	500	mm
Distance between fork backrest and front wheel	158	mm

Wheel base	1090	mm
Weight with battery	2000	kg
Tires	PU	
Wheel size, front	305×127	mm
Wheel size, rear	250×75	mm
Wheels, number, front/rear	2/1	pcs
The width between front wheels	783	mm
Mast/fork carriage tilt forward/backward	2/5	°
Lifting height	4500	mm
Free lift height	100	mm
Lowered mast height	1995	mm
Extended mast height	3950	mm
Overhead load guard (cab) height	1980	mm
Seat height	960	mm
Overall length	2590	mm
Overall width	917	mm
Fork size, thickness/width/length	35/100/1070	mm
Fork carriage width	618	mm
Ground clearance under mast	90	mm
Ground clearance, center of wheelbase	128	mm
Aisle width for pallets 1000x1200 crossways	2893	mm
Aisle width for pallets 800x1200 lengthways	3005	mm
Turning radius	1348	mm
Max.gradient performance, laden/unladen	8/10	%
Travel speed, laden/unladen	6.5/8.0	km/h
Lift speed, laden/unladen	100/140	mm/s
Lowering speed, laden/unladen	155/130	mm/s
Steering motor	24/0.165	kw
Drive motor	24/1.7	kw
Lift motor	24/4.5	kw
Battery voltage/Rated capacity	24/400	V/Ah
Battery weight	350	kg
Battery dimensions (Length/width/height)	645/292/570	mm

## FEATURES OF 3-WHEEL ELECTRIC LIFT TRUCK



Side-pull batteries. It makes the replacement quickly and easily, ensures continuous operation, and greatly improves efficiency.



The new chimney design, beautiful and strong, not only to the headlamps have a protective effect and is easy to remove maintenance.



Unfolding a snap button can fully open the cover. The users can check, test, and maintain the driving system assembly, pump stations, controller assembly, batteries as well as other main electrical components.



The fire extinguisher bracket is on the rear part of the overhead guard, with a reasonable height for a catch. It reminds the users to get a fire extinguisher and raises awareness of fire prevention to protect lives and property.



Wide-field mast design and reasonable position for dual cylinders make the operator open vision and improve efficiency and safety of operation.



Rear Wheel Drive design is with smaller drive current, lower energy loss, and longer working time of the batteries, compared with dual front-wheel drive. The rear wheel is both the driving wheel and steering wheel, which makes the shorter turning radius.



High-frequency MOSFET integrated AC controller provides flexibility and precise speed control. The motor and electric controller matches well with the functions of regenerative braking, reverse braking, and anti-slip on-ramp.



Lifting limitation function. When the forks are raised to the maximum height, the system will automatically cut off the power supply for lifting, and smoothly stop. This action not only can save energy, and prevent danger, but also extend the service life of the hydraulic systems and related components.



The hand brake and handle are set on the right side, which meets the ergonomic principles. It reduces the operator's labor intensity and improves the operation comfort



Variable wheelbase design. Move the front axle to convert the length of the wheelbase. When extended, the whole vehicle becomes longer and provides safer loading, superior traction, and smoother driving. When retracted, the whole vehicle becomes shorter, which makes it more convenient to work in narrow places.



The most advanced vertical AC drive system. The motor can get more energy and greater braking torque to make it more powerful, better in acceleration and grade ability, which ensures the forklift runs smoothly on uneven roads and slopes.



The whole series is equipped with Electric Power Steering system (EPS) to make the control of the handle easy and comfortable, which greatly reduces the operator's labor intensity. By turning easily at a low speed, and stably at a high speed, EPS makes turning more intelligent and better controlled.

## Other Features of Electric Forklift

- Full free lifting is optional. It allows the stacker to work in containers or other working places with limited height. Dual masts forklift. The free lifting set between the top of the oil cylinder piston rod and the top rail of the inner mast. The lifting height of the forks is within 100mm, the inner mast will not lift. This design is very practical when the forklift goes through some gates.
- Speed limitation device for high height. When the mast is lifted above 300 mm, the travel speed will lower automatically to improve the safety of the operation.
- Voice reversing alarm. It alerts when the forklift is reverse driving. The sound is clear and stable, which alerts the staff around the working area.
- The steering wheel can be adjusted up and down. The seat can be adjusted forward and backward. The backrest can be tilted. All the designs adopt ergonomic principles and meet the different needs of the operators, to achieve the best operation position.
- Excellent heat dissipation. Two cooling fans on the main box, one is for inlet air, and another is for air-out. And the controller is coated with a cooling gel. All these multiple settings lower the operating temperature of the controller, drives, pump station as well as other electrical components, and ensure the stability of the system.
- The steering-round design makes the forklift can turn 360 degrees in situ, and reduce the turning radius. All these make it more suitable to work in narrow places.

## WHAT IS THE PRICE OF THE 3-WHEEL ELECTRIC LIFT TRUCK SMITH?

**3-Wheel Electric Lift Truck SMITH** is one of the cheapest electric forklifts out there. However, the **price of the electric forklift** does not reflect on the quality. Despite it is affordable, the 3-Wheel Electric Lift Truck is made out of high-quality materials and it has implemented the latest lifting and driving technology. The price of the electric forklift is displayed above. 3-Wheel Electric Lift Truck has a 12-month warranty and comes with a **powerful battery 24V/400 Ah** and a charger. We offer also cheap international shipping.

## HOW TO USE 3-WHEEL ELECTRIC FORKLIFT SMITH?

1. Insert the key into the key switch, turn the key to the right, the emergency power safety switch will reset, then gently open the control circuit.
2. The fork rises from the ground about 10 cm.
3. Begin to loosen the parking system.
4. According to the requirements in the direction where you want to go press the switch forward or backward.
5. Step on the accelerating pedal slowly, until the required speed is met.
6. If there are any problems when using the electric forklift and want to stop it immediately please press the red emergency power switch.
7. When the forklift turns, try to reduce speed where possible.
8. Forklift truck carrying gradability is 10%. The driver needs to understand the situation when climbing and the accelerator pedal must be pressed down as far as possible so the maximum climbing force can be achieved.
9. Forklift in the process of downhill, loosen the accelerator pedal, in order to obtain the reverse braking current if the reverse-current can't control the downhill braking speed. Please on the brake pedal at the same time, to ensure safety.
10. When stop driving, leave the accelerator pedal until the forklift stops completely. Put the pallet fork in the lowest position, taut hands in the car, press the safety switch and pull out the key.

The instrument on the 3-Wheel Electric forklift has the indicator for power display, slowing down of mast lifting, and working time display function. when the battery power is too low, the power meter will cut off the control circuit of the pump motor. The electric forklift cannot raise the forks but can only drive, which means the forklift should be charged immediately. A motor-driven gear pump

provides hydraulic power. An electric forklift has two lifting cylinders; a tilt cylinder is for the mast tilt movements.

### **3-WHEEL ELECTRIC FORKLIFT VIDEO**