

Royal Electric Forklift



4-wheel Battery Forklift Presentation

Product Overview

Capacity	1.5-2.5Ton	3.0-3.5Ton
 ROYAL FORKLIFT		

Applications

- **Powered Type: Battery**
- **Rated Capacity: 1.5T/1.8T/2.0T/2.5T/3.0T/3.5T**
- **Maximal Lift Height: 6.5M**



Advantages

- High Performance
- Reliability
- Safety
- Ergonomics
- Easy Service and Maintenance



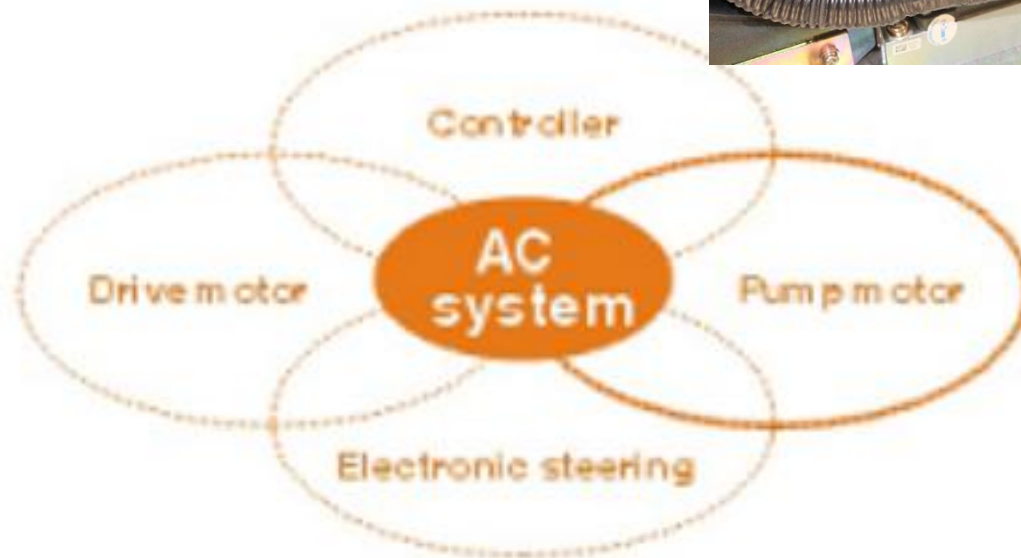
High Performance -I

Full AC system

Italy ZAPI AC control system

Italy ZAPI AC 12KW Drive motor

Italy ZAPI AC 12KW Pump motor



High Performance -II

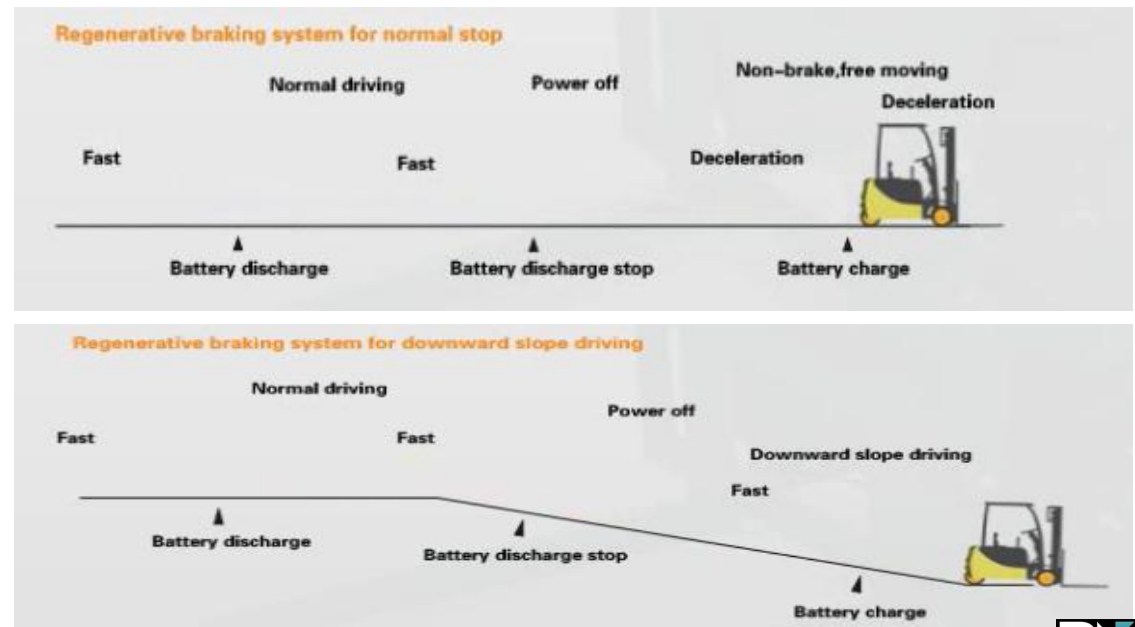
Change battery in one minute

- Move battery from side with a pallet truck
- More convenient, safe and reliable



Regeneration Function

Save Energy



High Performance –III

Hydraulic power steering, with USA brand Eton steering unit.

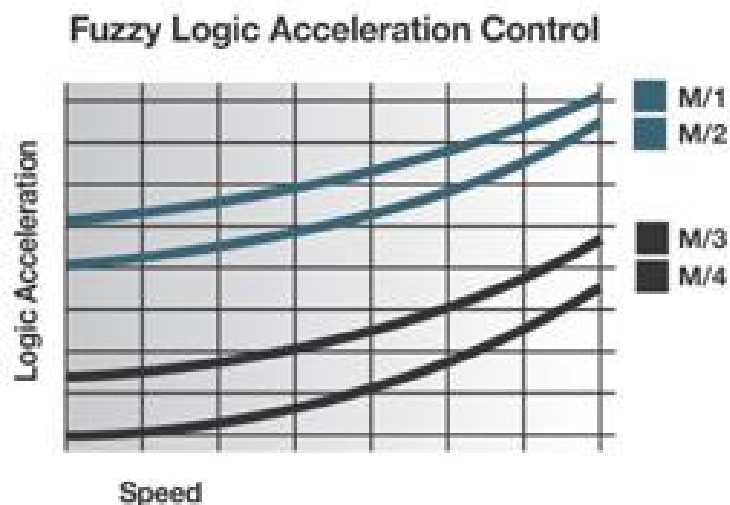
➤ enables the steering to be very light and not easy to break.



High Performance –IV

Fuzzy Logic Acceleration Control

- With this system, RY 4-wheel battery forklift enables the operator very accurate forklift truck control.
- A forklift truck acceleration curve is selecting according to the speed with which pedal is depressed.



Reliability –I

Standard: Selected Quality

German HAWKER Battery-48V/560Ah:

- life of 1500 times Charge and Discharge
- More strong and better performance

Option:

- Big Capacity available
- Auto-filling System



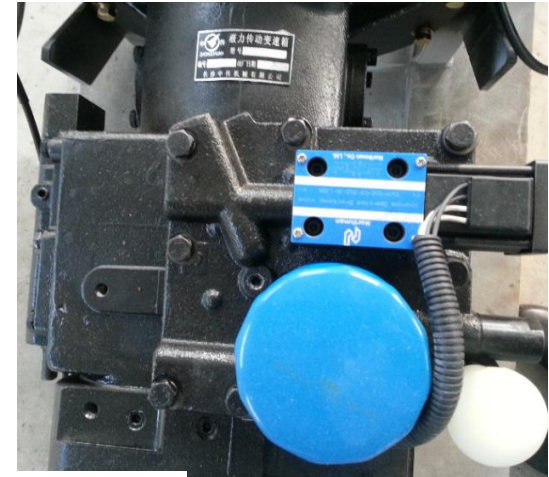
Option: German Brand Delong Battery Charger

- Full automatic
- Extended battery life
- Desulphatation charging of sulphated battery
- Ampere-hour balanced charging



Reliability -II

- Zhongnan Hydraulic Transmission, TCM technology, with high performance.
- Japanese Brand Shimadzu Gear Pump and Control Valve



- Cylinder ,the same supplier of Toyota (china)



- Japanese original NOK seal kits



Reliability -III

24 Degree Cone Hydraulic Pipe

- can stand high pressure. With the oil seal, it reduce a lot frequency of oil leaking problem.
- And If there is any oil leaking problem, only O-ring needs to be replaced, but not the whole oil pipe which allows more maintenance and service cost to be saved.



USA GATES Brand
Hydraulic Pipe



USA Brand Carlisle Tyre



Option:
No-marking Tyre



USA Brand DuPont Car
Paint

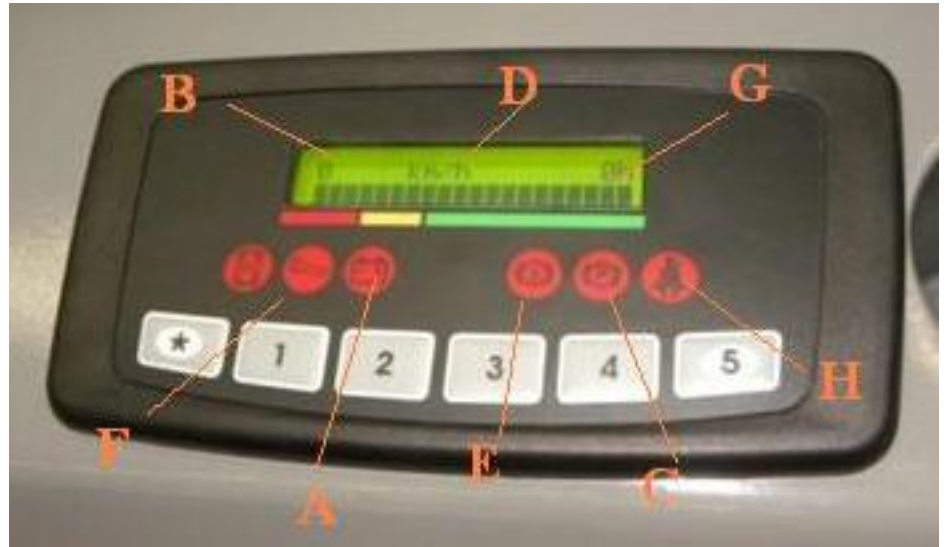


Reliability -IV

Multifunctional Panel

From Italy ZAPI, well suitable
for ZAPI control system.

- A. Battery discharge
- B. Error code
- C. Drive or brake
- D. Drive speed
- E. Direction indicator and middle gear confirmation
- F. Error code alarm
- G. Working hours
- H. Electric lock switch and double light



Safety -I

Integral Heavy Duty Chassis

➤ ROYAL forklift chassis is 15% heavier than conventional forklifts to ensure more stability and stability, provides the driver with 20% more protection from falling loads.



Low Truck Gravity

➤ According to the Gravity Balance Principle, low gravity design is applied to RY Forklift to ensure the stable and safe operations.



Safety -II

Wide visibility
High intensity
overhead guard
and mast

➤ High intensity Mast with More Lift Height at Higher Lifting Height

➤ Special Tubes of Overhead Guard with double strength than normal overhead guard.



Emergency Button



Safety -III

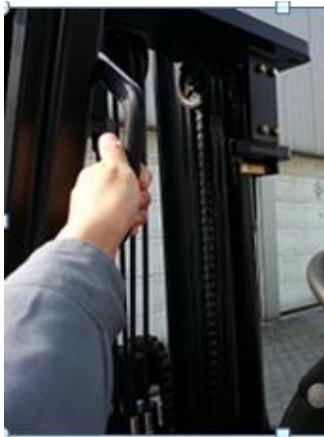
Two big and multi angle review mirror to review the working conditions around.



LED light, Reverse Flashing Light and Buzzer Can Warn People Around.



Handler to get on the forklift



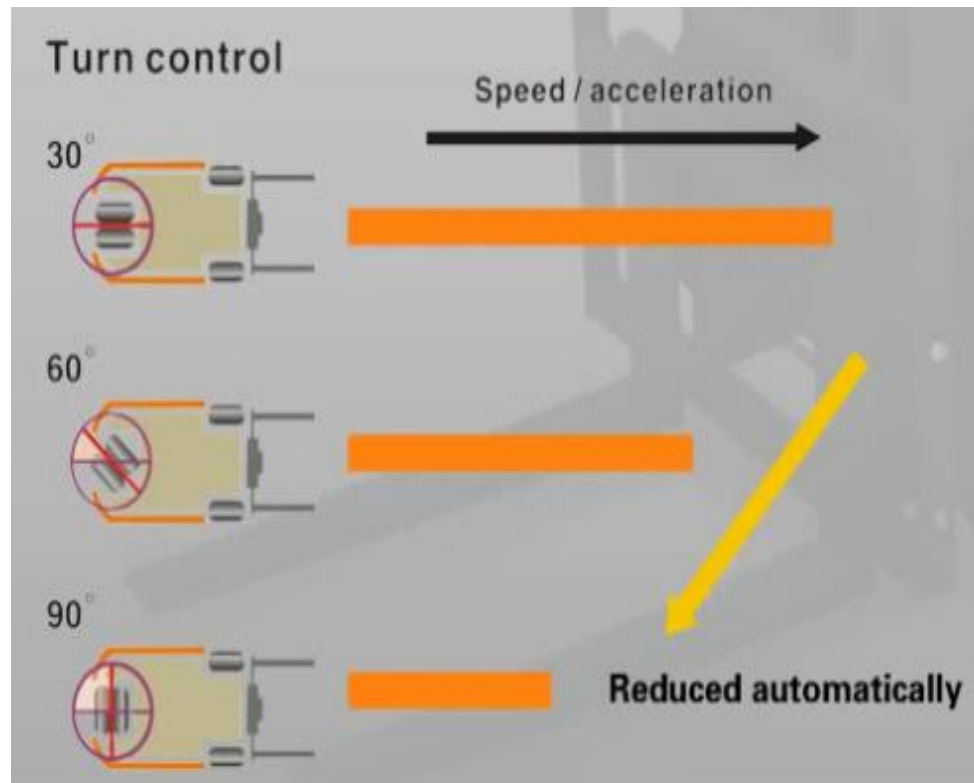
Anti-slippery Foot Step



Safety -IV

Self adjust device for swerve

➤ It will adjust the speed according to swerve angle which embody the safety design concept of Royal forklifts.



Safety -V

Mast Buffering Function

➤ When mast is lowered to about 10cm above the ground, the lowering will speed down automatically to make sure the forks steady.



OPSS (Operator Presence Security System)

➤ With OPSS, RY forklift can have the forklift stop moving forward when the operator leaves the seat which ensure the safety of goods and people around at emergency situation.



Safety -VI

Mast Self-locking Device

- Engine power off, Mast will be self-locked.
- Operator leave, Mast will be self-locked.



Parking Brake Warning Buzzer

- With a warning buzzer sounding when the operator leaves the seat without setting the park break.
- An automatic-style parking brake ensures of the convenience and safety.



Safety -VII

Option

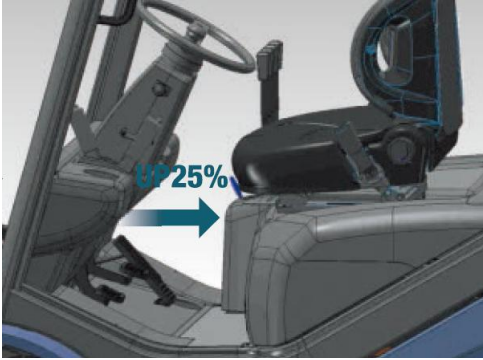
Mast Tilt-controlled Device

- With mast tilt-controlled device, RY forklift can decelerate as the lifting height increase when the tilt angle over 3M.
- it can prevent the cargo from falling when lifting and avoid unnecessary loss and accidents.



Ergonomics

Enlarges the foot operation space by 25% compared to conventional forklifts



Fully adjustable steering wheel



Fully adjustable comfort Toyota Style seat



Right Positioned Operation Handler decrease much more tiredness after continuous operation.



Storage Collection & Cup Holder



With Front Plastic Cover & molded luxurious Floor Carpet



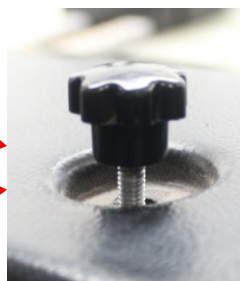
Easy Service & Maintenance - I

Big Service Space.

➤ With stronger and higher intensity spring, the newly designed engine cover can be open easy to provide super wide space for inspection and service.



Removable maintenance cover, convenient for maintenance



Easy Service & Maintenance -I



The bolt mounted foot step cover can be easily taken off to do inspection and service.

Easy Check of Brake Fluid.



With Multi-function Tool Box for Easy Service and Maintenance



Option: Diagnostic plug for easy access to all truck data.



Royal

Electric Forklift

1.5-3.5Ton

Presentation