

Anhui Royal Forklift CO., LTD.

[www.ryforklift.com](http://www.ryforklift.com)

Add / No.18, Xingye Road, Baochanshan Industrial Park, Ma'anshan City, Anhui Province, P.R. China 238100  
 TEL / (86)512-65916195 FAX / (86)512-65915205 Email / [info@ryforklift.com](mailto:info@ryforklift.com)  
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Diesel Forklift Truck  
 Gasoline/LPG Forklift

1.5-5.0ton





**Comfort & Ergonomics**

Smaller Steering Wheel  
Excellent Visibility  
Low Vibration & Noise  
Enlarged Operation Space  
Multifunctional LCD Display Meter  
Smoke Purification Device (Option)  
Removable Wide View Cabin (Option)  
Ergonomic Designed Operation Handler

**Safety Operation**

Low Truck Gravity  
Integral Heavy Duty Chassis  
System of Active Stability  
Mast Intelligent Buffering System  
Mast Self-locking Device (Option)  
Mast Tilt-controlled Device (Option)  
Parking Brake Warning Buzzer (Option)  
Operator Presense Security System (Option)

**High Efficiency & Productivity**

Faster Lifting & Lowering Speed  
Precisely Steering  
Higher Acceleration Ability  
New Brake System

**Superior & Economic Serviceability**

Newly Designed Engine Cover Structure  
Easy Service and Maintenance Design  
Unique Design of Radiator Assembly  
Reliable Hydraulic System  
Central Integrated Electric System

**Reliable RY Forklift**

Reliable Forklift Quality  
Perfect After Sales Service System  
Comprehensive Parts Supply System  
Experienced Technical Support Team

**COMFORT & ERGONOMICS****Ergonomic Designed Operation Handler**

According to the ergonomic theory, RY forklift works out the best moment arm of force, to have the operation handler in the best position. This can provide the operator with the best comfort of operation and also increase the better visibility.

**Excellent Visibility**

- Newly designed backrest and fork carriage with excelled fork tip visibility
- Newly designed overhead guard with wide upward visibility
- Super Wide view mast with hiden hose design dramatically improves the front and lifting visibility, ensuring the safety of operation.
- The side angle designed counter weight clearly views the surroundings

**Low Vibration & Noise**

Full suspension chassis and engine technology is completely applied to RY forklift. Divide-body design of chassis with rubber mouting between the unitary overhead guard and chassis, full floating damping device of engine, turning bridge connected flexibly and full-curve acoustic absorption, totally reduce the vibration and noise by 30% compared to conventional forklifts. With this design, RY forklift can benefit in protecting the operator and improve the operation comfort entirely.

**④ Suspension**

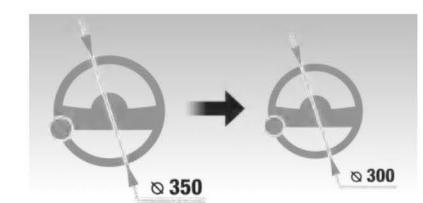
Compared with conventional forklifts, suspension cab design can lower 30% vibration during driving.

**⑤ Powertrain Suspension**

Powertrain suspension structure limits the vibration from operation system, it can significantly reduce driver's fatigue.

**Smaller Steering Wheel**

With 60mm less in diameter of the steering wheel, RY forklift dramatically improves the operation vision; it's easy to operate and reduce the operator's arm and shoulder's workload. The easy handling steering wheel column with tilt adjustment helps to provide the ideal operating position and improve the performance a lot.



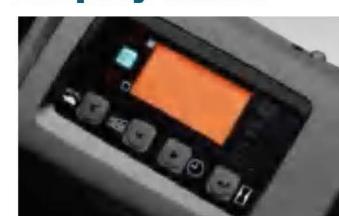
## COMFORT & ERGONOMICS

### Enlarged Operation Space



Taking ergonomic design into fully consideration, RY forklift enlarges the foot operation space by 25% compared to conventional forklifts to provide operators with a surprisingly comfortable way to get through each working minute.

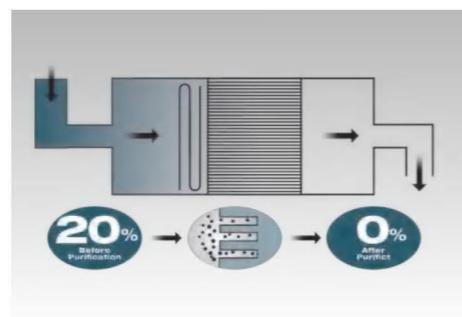
### Multifunctional LCD Display Meter



The large and easy-to-see Multifunctional LCD display meter can have the operator check on all operational status at a glance. The key components and connectors have been protected to meet rain-proof and dust-proof level.

### Smoke Purification Device (Option)

With optional smoke purification device, RY forklift can dramatically purify the harmful gas into harmless carbon dioxide and water vapor, reduce a lot harm to human beings and environment.



### Removable Wide View Cabin (Option)



Because of the new shaped tube material applied to the overhead guard, the cabin can be removable easily. With full glass cabin and less plastic design, the operator can wide view all surroundings easily.

## HIGH EFFICIENCY & PRODUCTIVITY

### Faster Lifting & Lowering Speed

Considering safety and energy-saving, RY Forklift attaches close attention to the development of hydraulic system, and increases lifting and lowering speed to ensure the productivity.



### Precisely Steering

The new axle provides wider steering angles to 85 degree to present a superior smart turning radius of RY Forklift, and plus the compact design, RY forklift can navigate the narrow and congested space.

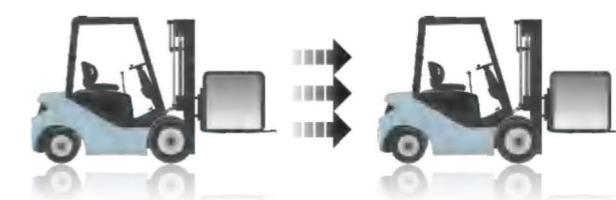
### New Brake System

New brake system and compounding braking assembly applied to RY Forklift to increase the braking effect and safety, and enhance the productivity.



### Higher Acceleration Ability

20% higher acceleration ability, surprisingly shortens the working time at the same working distance, and dramatically improves the working efficiency.



## SAFETY OPERATION

### Low Truck Gravity

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



### Integral Heavy Duty Chassis



An integral heavy duty chassis provides the driver with 20% more protection from falling loads. RY forklift chassis is 15% heavier than conventional forklifts to ensure more stability and safety.

### System of Active Stability

With the SAS, the wheel and tyre can be provided from swaying up and down according to the working condition to stay stability.



### Mast Self-locking Device (Option)

For conventional forklifts, when mast extended and forklift powered off, the operator can still lower the mast. For RY forklift, with optional mast self-locking device, the forklift will be locked and lifting & lowering can not be operated in order to avoid from some unexpected accidents.



### Mast Intelligent Buffering System



With intelligently declining buffer sensor on the two ends of the cylinder, the falling speed of the fork slows down automatically before it is 10cm from the ground, and the lifting speed to the top also slows down to avoid quick hit on the top, it super increases the safety of the goods and forklifts.

**SAFETY OPERATION****Mast Tilt-controlled Device (Option)**

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

**Operator Presense Security System (Option)**

With operator presense security system, RY forklift can have the forklift stop moving forward when the operator leaves the seat which ensuring the safety of goods and people around at emergency situation.

**Parking Brake Warning Buzzer (Option)**

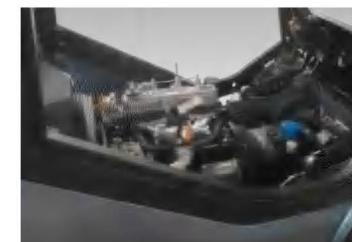
An automatic-style parking brake ensures of the convenience and safety. The warning buzzer will sound when the operator leaves the seat without parking the forklift.

**SUPERIOR & ECONOMIC SERVICEABILITY****Newly Designed Engine Cover Structure**

With stronger and high intensity spring, the newly designed engine cover can be open at 75 degree to provide super wide space for inspection and service.

**Easy Service & Maintenance Design**

The bolt mounted foot step cover can be easily taken off to do inspection and service. This design increases the space of maintenance and lowers the maintenance cost to the least.

**Unique Design of Radiator Assembly**

Unique design of the radiator assembly, the counter weight is not need to be dismantled when replacing new radiator. It is easy to maintain and replace the radiator.

**Central Integrated Electric System**

RY adopts industrial electric system design. The central integrated design of the electric system enables the service to be easier and faster.

**Reliable Hydraulic System**

With reliable international standard of hydraulic design and components, the hydraulic components are with high durability which can lower the cost in repair and replacement.

**RELIABLE RY FORKLIFT****Reliable Forklift Quality**

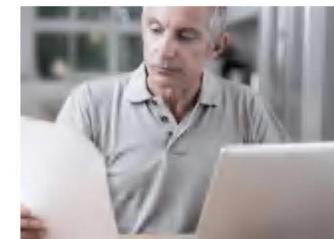
With the international testing standard, more reliable supplier chain, higher quality control to ensure the stability and quality of forklifts.

**Experienced Support Team**

There are very experienced technical support team in RY forklift to provide professional training to clients from different country.

**Perfect After Sales Service System**

With perfect after sales service and I-NET system, RY forklift can analyze each forklift issue easier, faster and more accurate.

**Comprehensive Parts Supply System**

Parts supply system complied with multi-functional parts warehouse and I-NET system, RY forklift can provide clients with different type spare parts in time and accuracy.

**GASOLINE/LPG FORKLIFT TECHNOLOGY ADVANTAGE**

Compared to conventional forklifts, RY Gasoline & LPG forklift has a super wide rear view for greater reversing safety by lowering the position of the LPG tank.



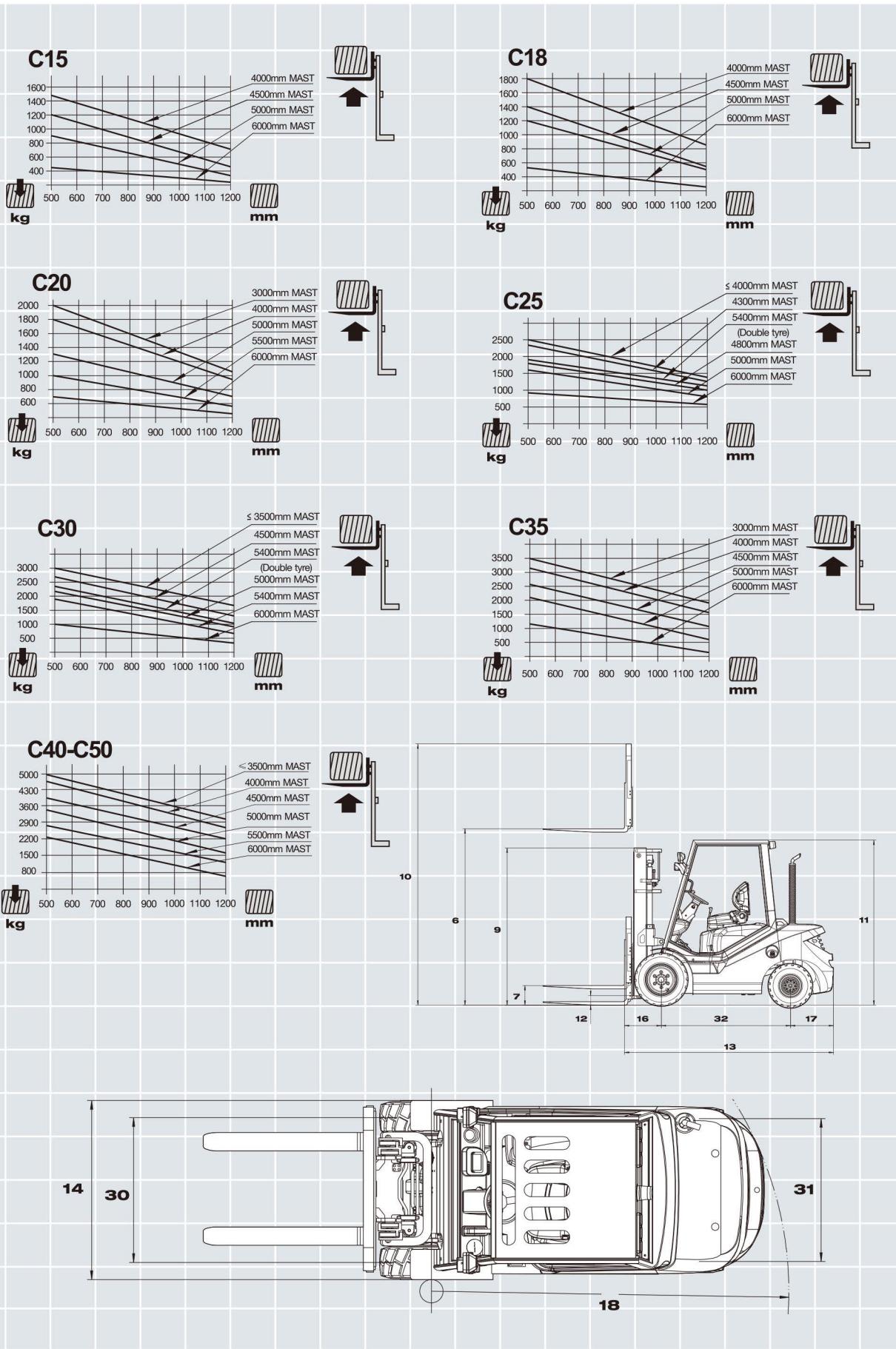
RY Gasoline/LPG forklift can be easily installed and removed in one minute. This ergonomic designed gas bracket is standard in each Gasoline/LPG forklift.



The single fuel( Gasoline) and dual fuel ( Gasoline & LPG) with USA brand Impco convertor are available in RY forklift range. RY Gasoline/LPG forklift is also equipped with branded engine, quality components, professional quality control system to extend the service life and also provides clients with extremely compact and productivity.

**Ternary Purification Device (option)**

The accelerant and harmful gas in this device can take place the chemical reaction. This device is usually used in the Gasoline and LPG forklifts. RY FORKLIFT adopt multiple purification and filter system, which can purify exhaust more effectively and minimize the harm to human beings and environment. It can transform toxic and harmful gas into harmless carbon dioxide and water vapor, therewith reaches environmental protection purpose.



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