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A Series Internal Combustion Truck

with capacities of 14,000 to 16,000kg

The World of Hangcha
SINCE 1956



A Series Internal Combustion Truck

The A series 14-16t forklifts are a new series of internal combustion counterweight forklifts independently developed on the basis of the 12t platform. Since the matching of the power transmission system is optimized, the design of the hydraulic and control systems has been likewise optimized, and the structures of the vehicle frame and mast are also optimized, so that the power and load capacity of the vehicle are greatly improved. With key parts all of domestically renowned brands, the forklifts are mature and reliable, and are suitable for loading, unloading, stacking and short-distance transportation in places with high work intensity and harsh operating conditions such as airports, ports, docks, stations, warehouses, etc.





Exterior and performance

- / Designed as a family and highly recognized, the compact and smooth exterior is stylish, high-end and highly recognizable.
- / The upper surfaces of the large locked toolbox and counterweight on the left and right sides of the vehicle body are designed to be fully flat to enable a large storage space.
- / With a small turning radius, the vehicle can be controlled flexibly and can be operated in a narrow space.

Good reliability

- / Integral steel plates are welded to form the vehicle frame and the tilt cylinder strength is optimized to adapt to heavy-duty and harsh operating conditions.
- / The high-power plate-fin heat dissipater and independent hydraulic oil heat dissipater have been subjected to heat balance test verified under two kinds of operating conditions - typical operating conditions and no-load maximum-speed long-distance driving conditions, to ensure the normal operations of the system under various operating conditions.
- / A small counterweight can be provided under the steering axle to lower the center of gravity and provide a large load margin.
- / The wide-open mast enables higher torsion resistance of the mast and a broader view.

A simple and efficient hydraulic system

- / The fully hydraulic load sensing steering system makes steering easier and more flexible.
- / Two pumps are used to enable merging and less pressure loss and energy consumption.
- / Performed by a simple system, the fully hydraulic power braking is reliable.

Easy maintenance

- / With the LCD instruments to display the relevant information of the vehicle which emit an alarm for an engine fault, the running status of the vehicle can be monitored and fault queries can be performed to facilitate problem analysis.
- / An integrated electrical box is used to facilitate concentrated troubleshooting.
- / A cloud smart module provided for the standard configuration facilitates vehicle management.
- / The wide-open hood, water tank lid, left and right hood side panels and front bottom panel can be removed easily to facilitate maintenance.

Strong power

The engine uses a domestic Yuchai A07 No. 4 platform:

- / Clean emissions.
- / Bosch's non-road special common rail system is used to adapt to non-road oil products.
- / Up to 28 durability tests of the vehicle are conducted to ensure reliable quality.
- / An oil change interval of 500 hours enables low use cost.
- / Low speed and high torque, good performance of acceleration at medium and high speeds, strong power.

The gearbox matches the custom-developed 16t domestic special gearbox:

- / The 340 torque converter has a large capacity, high efficiency and good traction performance.
- / The PTO port outputs high torque and can be matched with a large-displacement gear pump.
- / The electronic steering provided for the standard configuration makes operations easier.

Domestic caliper drive axle

- / A main gearbox for heavy-duty trucks and a heavy-duty brake are used to provide a large braking force and reliable braking.
- / The integrally-cast axle housing has good strength.
- / The input shaft cable-type central parking brake is simple and reliable and can be operated easily.



Standard Specification

- / Standard seat
- / Standard fork
- / Standard fork carriage
- / Standard overhead guard
- / Rainproof overhead guard cover
- / Duplex wide-view mast
- / Vehicle toolkit
- / Traction device
- / High-position emission device
- / Electro-hydraulic steering
- / Fully hydraulic power steering
- / Hydraulic power braking
- / Neutral gear safety switch
- / Main power switch
- / Steering wheel adjusting device
- / Cable-type stop brake
- / Anti-skid boarding step
- / Left and right boarding handles
- / Quadruple multi-way valve
- / Air filter
- / Rearview mirror
- / Engine hood gas spring
- / Hydraulic oil level meter
- / Self-locking valve in the tilting fuel circuit
- / Speed limit valve in the lifting fuel circuit
- / Water thermometer
- / Hydraulic oil suction filter
- / Hydraulic oil heat dissipater
- / Large toolkit
- / Electric horn
- / Reverse buzzer
- / Combination headlight
- / Front work light
- / Combination tail light
- / Tilt cylinder jacket
- / Engine hour counter
- / Oil gauge
- / Preheating indicator
- / Charge indicator
- / Engine oil pressure alarm light
- / Oil-water separator indicator
- / Electric flameout
- / Hydraulic prong adjustment

Options

- / Cab
- / Cab heater
- / Cab air conditioner
- / Solid tire
- / User specified color
- / Suspended safety seat
- / High and low overhead guards
- / Fuel tank cap locked
- / Basin-shaped double air filter
- / Heat dissipater grille
- / Automatic gear shifting
- / Exhaust fire protection device
- / Warning light
- / Fire extinguisher
- / Blue light
- / Rear work light
- / Speed limit alarm device
- / Weighing system
- / 4-probe visual reverse system
- / Reversing radar

