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ISO45001  
ISO45001:2018



ISO14001  
ISO14001:2015



ISO9001  
ISO9001:2015



HANGCHA trucks conform  
to the European Safety  
Requirements.

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## A2 Series Internal Combustion Forklift

with capacities of 4,000 to 5,000kg

*The World of Hangcha*





# A2 SERIES INTERNAL COMBUSTION FORKLIFT



The A2 series are upgraded products that adopt advanced technology and are independently developed by Hangcha on the basis of the prior products.

Through comprehensive upgrade of the exterior design, efficiency and energy saving, safety, comfort and reliability, and comfort and convenience, the performance of the vehicle has been significantly improved in comparison with the prior products, and the vehicle has become the forklift meeting your different needs.

## New exterior design

- / With the inherited exterior design of Hangcha's products, classic but innovative, the vehicle has a smooth, vivid and sturdy profile.
- / With a half enclosed dashboard, the vehicle looks compact and aesthetically pleasing.

## HIGH EFFICIENCY AND ENERGY SAVING

FUEL CONSUMPTION  
REDUCED BY

**10%**

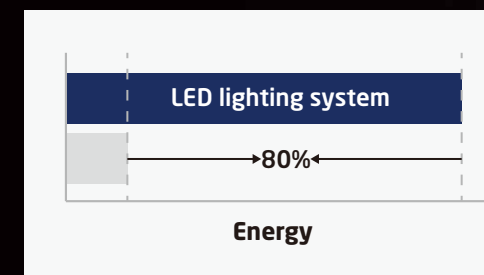
For the standard configuration, a Xinchai single electric pump-equipped diesel engine, which meets China off-road Stage III emission requirements.



## HYDRAULIC SYSTEM SAVES 4% ENERGY

- / For the standard configuration, load sensing is provided to ensure steering priority and reduce energy loss.
- / Increase the hydraulic pipe diameter and optimize pipe elbows and layout so as to reduce energy loss, lower the hydraulic oil temperature and prolong the service life of hydraulic components.

## LED LIGHTING ENERGY SAVING 80%



The vehicle uses an energy-saving LED lighting system, which significantly improves the performance and service life of the lights.



The integrated lighting combination switch makes operations easier.







Increase the space of the pedals on the car, making it more convenient to get on the car.



The non-slip seat with adjustable padded backrest offers more driving comfort.



For the standard configuration, a less-angled accelerator pedal is provided to reduce the driver's fatigue.

**ACCELERATOR  
PEDAL FORCE  
REDUCED BY  
30%**

## COMFORT AND CONVENIENCE

### NVH OPTIMIZATION

#### 30% REDUCTION IN VIBRATION

With the shock-absorbing design of multiple items, the idle-speed and high-speed shock absorption rates are improved, and the vehicle has less vibration.

#### NOISE REDUCTION 2dB

With the optimized independent air intake channel and large-capacity air intake silencer, the vehicle makes less noise.



The newly developed bus instruments more clearly show the information such as the running status of the vehicle, fault detection, maintenance reminders, etc. to the driver, and make maintenance easier.



The panoramic rearview mirror provides a wider rearview field of view, making driving more comfortable



### REPAIR SPACE INCREASED BY 10%

The wider opened hood makes maintenance easier.  
The integrated hydraulic lids make maintenance easier.





# SAFETY AND RELIABILITY

**70%  
INCREASE IN  
BRAKE LIFE**

The comprehensively upgraded braking system has its braking reliability and comfort significantly improved and service life greatly prolonged.

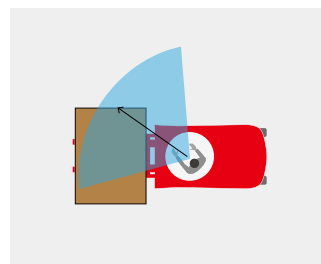
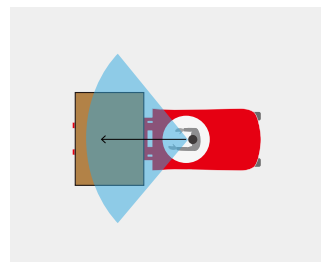
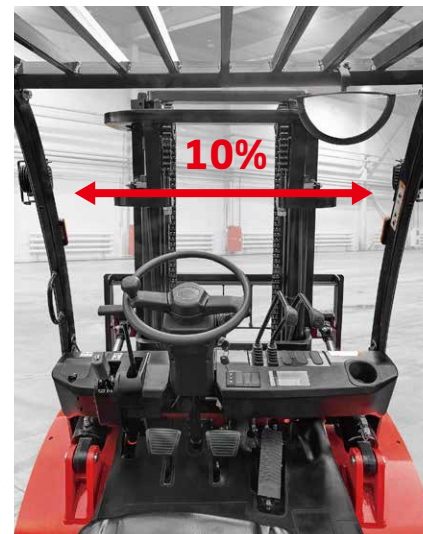
- / With optimized design of layout and center of gravity, the vehicle is more stable.
- / With the vacuum-assisted braking system provided for the standard configuration, less operating force is needed, and braking will not be a hindrance for steering, and vice versa.
- / The hydraulic system uses 24° conical seals to improve the sealing performance.
- / Key parts use waterproof connectors so that the protection level of the electrical system is improved.



By optimizing the heat dissipation system, the counterweight heat dissipation channel is improved, the air resistance of the heat dissipater is reduced, the cooling efficiency is improved, and the reliable operation of the engine is ensured.



A brand new air filter with a safety filter element makes the engine air intake cleaner and more powerful.



## MAST VISIBILITY INCREASED BY 10%

With an ultra-wide view mast, upgraded chains and longitudinally-arranged sprockets, the safety coefficient of the mast and the front view through the mast are significantly improved.

The overhead guard uses high-strength profiled steel pipes so that the sealing of the cab (optional) is good.

## Standard configuration

- / Anti-skid boarding step
- / Air filter (with safety filter element)
- / Hydraulic oil dipstick
- / Traction device
- / Flow control valve
- / Fully hydraulic power steering
- / Duplex ultra-wide view mast
- / Standard fork
- / Lifting and tilting joystick
- / Steering wheel adjusting device
- / Large rubber pedal pad
- / Left boarding handle
- / Half enclosed instrument cover
- / Headlight frame
- / Oil gauge
- / Preheating indicator
- / Engine oil pressure alarm
- / Neutral gear safety switch
- / Overhead guard made of profiled pipes
- / Seat with seat belt and adjustable backrest
- / Two-piece multiway valve
- / Air intake silencer
- / Maintenance reminder
- / Oil-water separator
- / Electric oil pump
- / Engine failure indicator
- / Spherical rearview mirror
- / Folder
- / Integrated electrical box
- / Electric flameout
- / Cup holder
- / Front LED operation light
- / Front LED lights and rear combination lights
- / Electric horn
- / Rain cover
- / Electronic accelerator pedal
- / Gearbox oil temperature alarm (hydraulic transmission)
- / Gearbox dipstick (hydraulic transmission)
- / Tire dedicated for Hangcha
- / Load backrest
- / High-position air intake device
- / Hydraulic oil suction filter cartridge
- / Self-locking valve in the tilting fuel circuit
- / Cable-type stop brake
- / Lighting combination switch
- / 24° conical hydraulic pipe
- / Reversing buzzer
- / Class III (IV) fork carriage
- / Engine hour counter
- / Load safety valve
- / Lockable gas spring
- / Charge indicator
- / Oil cooler (hydraulic transmission)
- / Vehicle toolkit
- / Water temperature meter

## Optional devices and accessories

- / Tilt cylinder jacket
- / Double drive wheels
- / Cab
- / High-position exhauster
- / User specified color
- / Cab heater
- / Fully-suspended seat
- / Rear tire chamber sealing plate
- / Rear LED operation light
- / Heat dissipater grille
- / Solid tire
- / Color tire (white/green)
- / Mid-position emission device
- / Exhaust fire protection device
- / PVC lid
- / Lockable hood
- / Electronic steering
- / Auxiliary hydraulic valve assembly
- / Fire extinguisher
- / Rear armrest with a horn button
- / Counterweight grille
- / High and low overhead guards
- / Alarm light
- / Odometer
- / Fully enclosed steel plate of overhead guard
- / Rear combination light frame
- / Engine with speed limiting function
- / Main power switch
- / Fan protection device
- / Overspeed alarm
- / Double air filters
- / Fuel tank cap locked
- / Double-layer soundproof pad and leather jacket of hood

## Optional attachments

- / Paper roll clamp
- / Rotatable roll clamp
- / Load stabilizer
- / Multi-purpose barrel clamp
- / Tie rod
- / Side shift fork
- / Rotating fork
- / Lengthened fork sleeve
- / Load ejector
- / Weighing system
- / Soft package clamp
- / Oil barrel clamp
- / Tipping fork
- / Boom
- / Lengthened fork
- / Cardboard box clamp
- / Pusher
- / Bucket
- / Hook

## Mast's special device

- / Free duplex wide-view mast
- / Special fork
- / Free triplex wide-view mast
- / Heightened load backrest
- / Special duplex wide-view mast
- / Widened fork carriage