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## A2 Series Internal Combustion Forklift

with capacities of 4,000 to 5,500kg

*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

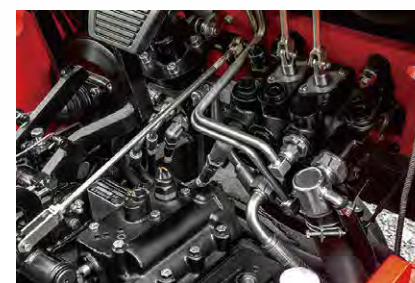
- / With the inherited exterior design of Hangcha's products, classic but innovative, the vehicle has a smooth, vivid and sturdy profile.
- / With a half enclosed dashboard, the vehicle looks compact and aesthetically pleasing.

## 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.

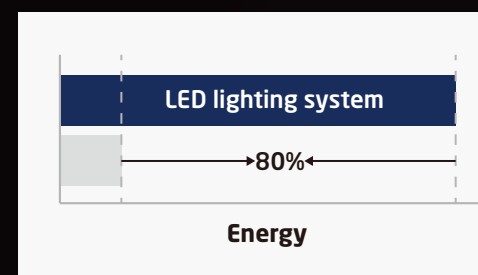


## HYDRAULIC SYSTEM SAVES **4%** ENERGY

- / 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.

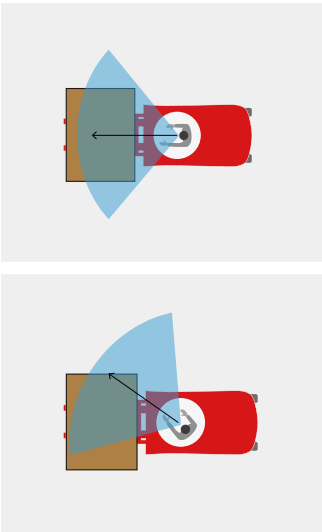
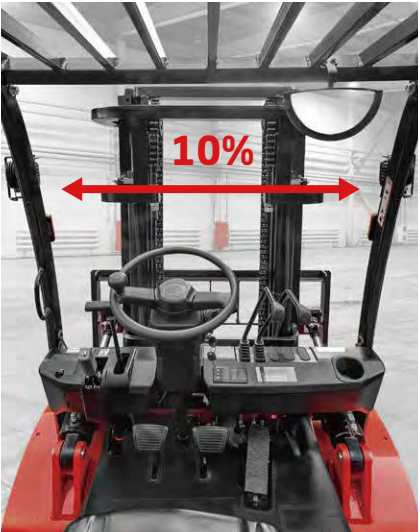
- / With optimized design of layout and center of gravity, the vehicle is more stable.
- / With the vacuum-assisted braking system provided for the standard configuration, less operating force is needed, and braking will not be a hindrance for steering, and vice versa.
- / The hydraulic system uses 24° 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                 | / Seat with seat belt and adjustable backrest            | / Gearbox dipstick (hydraulic transmission)      |
| / Air filter (with safety filter element) | / Two-piece multiway valve                               | / Tire dedicated for Hangcha                     |
| / Hydraulic oil dipstick                  | / Air intake silencer                                    | / Load backrest                                  |
| / Traction device                         | / Maintenance reminder                                   | / High-position air intake device                |
| / Flow control valve                      | / Oil-water separator                                    | / Hydraulic oil suction filter cartridge         |
| / Fully hydraulic power steering          | / Electric oil pump                                      | / Self-locking valve in the tilting fuel circuit |
| / Duplex ultra-wide view mast             | / Engine failure indicator                               | / Cable-type stop brake                          |
| / Standard fork                           | / Spherical rearview mirror                              | / Lighting combination switch                    |
| / Lifting and tilting joystick            | / Folder   | / 24° conical hydraulic pipe                     |
| / Steering wheel adjusting device         | / Integrated electrical box                              | / Reversing buzzer                               |
| / Large rubber pedal pad                  | / Electric flameout                                      | / Class III (IV) fork carriage                   |
| / Left boarding handle                    | / Cup holder   | / Engine hour counter                            |
| / Half enclosed instrument cover          | / Front LED operation light                              | / Load safety valve                              |
| / Headlight frame                         | / Front LED lights and rear combination lights           | / Lockable gas spring                            |
| / Oil gauge                               | / Electric horn  | / Charge indicator                               |
| / Preheating indicator                    | / Rain cover   | / Oil cooler (hydraulic transmission)            |
| / Engine oil pressure alarm               | / Electronic accelerator pedal                           | / Vehicle toolkit                                |
| / Neutral gear safety switch              | / Gearbox oil temperature alarm (hydraulic transmission) | / Water temperature meter                        |
| / Overhead guard made of profiled pipes   |  |  |

## Optional devices and accessories

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

## Optional attachments

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

## Mast's special device

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