

# Four-Wheel Drive Rough Terrain Forklift

with capacities of 2,500 to 3,500kg

**STAGE V**  
CERTIFIED



*The World of Hangcha*  
SINCE 1956

  
**HANGCHA**

## CONCEPT

The multipurpose concept refers to the capability of the forklift truck to work in many different areas, with a great performance no matter how hard the conditions are.

We studied all the specifications of the best forklifts in the world, specialized in industrial and rough terrain types, determining the characteristics that makes a forklift work well in an industrial environment. After that, we combined such information, to prepare the basis of the design of our product.

## INTRODUCTION

Hangcha 2.5~3.5t 4W rough terrain forklifts is a tough, compact forklift with a four-wheel drive system. It is based on two-wheel drive rough terrain forklift. It is world renowned for superior performance, economy and longevity.



# 6 reasons

choose

Four-Wheel Drive

Rough Terrain Forklift

- ▶ **RELIABILITY**
- ▶ **PRODUCTIVITY**
- ▶ **ENVIRONMENTAL FRIENDLINESS**
- ▶ **COMFORTABLE OPERATION**
- ▶ **EASY MAINTENANCE**
- ▶ **HIGH PERFORMANCE**



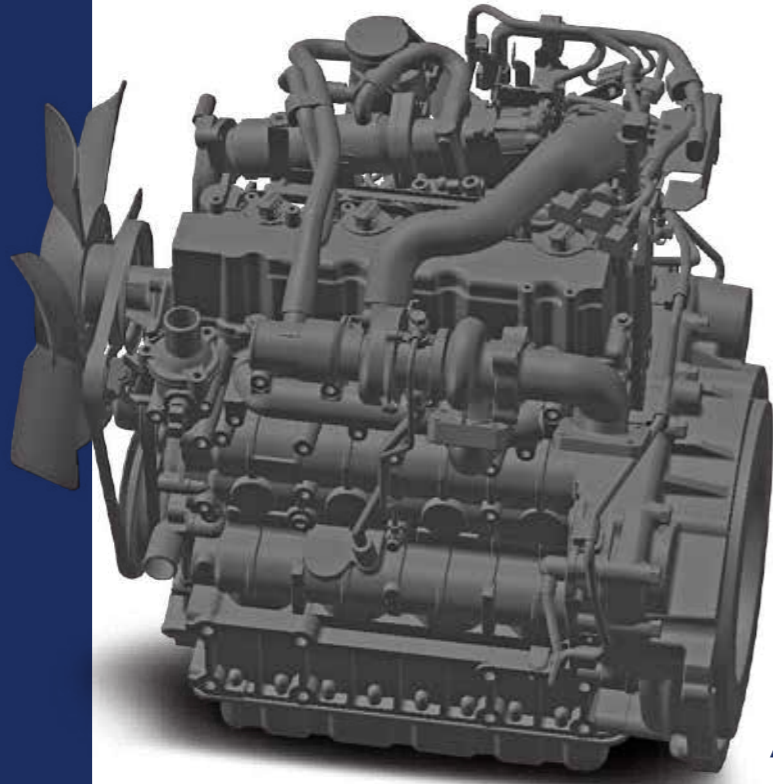
# HANGCHA be with you at every stage

Efficient, reliable solutions for your demands

## STAGE V & TIER 4F

With Hangcha you can meet all Stage V/Tier 4f emissions standards which provides customer demands for value, innovation and performance. The technologies include common rail fuel systems, diesel oxidation catalysts (DOC) and diesel particulate filters (DPF). Designed and optimised to every engine model, our forklift truck maximises efficiency and reliability.

**Powerful/  
Efficient/  
Reliable**



**KUBOTA**



Interactive instrument: The instrument adopts 4.0-inch color LCD display with four interactive buttons, and has one CAN bus communication function. The communication protocol is compatible with SAE J1939 standards.



### HANGCHA Forklift with StageV and T4F

No.	Capacity	Series	Manufacturer	Engine	Drive power	Model	Emission Std.	Transmission	Power (kw/rpm)
1	2.5-3.5t	RT	KUBOTA	V2607-CR-TE5B	Diesel	CPCD25/30/35-XW98C-RT4	StageV / Tier4 final	CHINA	47.3/2400

Note: RT means 2WD/4WD Rough Terrain forklift

## RELIABILITY

The full-floating hydraulic transmission gearbox, with 2WD and 4WD switch function, can provide higher running speed and stronger gradeability;



### Wide-base deep tread tyres

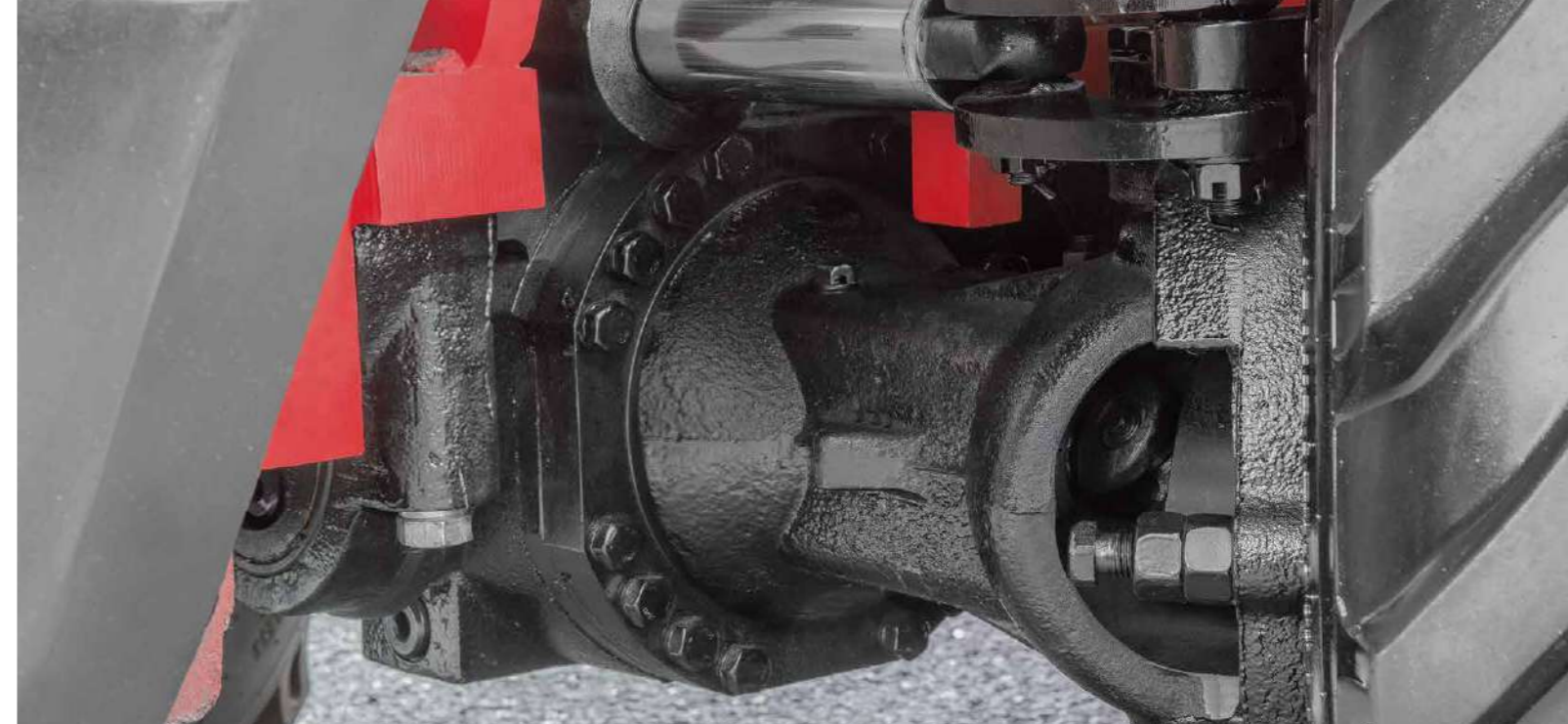
The drive axle is equipped with wide-base deep tread tires, wet brake, differential mechanism with electronic lock, as well as reinforced steering drive axle, and can better adapt to special working conditions.

Front tyre:14-17.5

Rear tyre:10.0/75-15.3



Higher specification fork mounting level-3B, more weight can be loaded.



*Oscillating steer axle allows either wheel to step over obstacles keeping the truck and load level.*

Dual air filter, extra capacity combined radiator with serpentine wave and optimized heat dissipation channel enhance the heat dissipation capability to keep engine reliability even in heavy-duty applications.



The differential is specifically designed for rough terrain and features manual differential lock providing ultimate traction during inclement weather conditions and rough operating surfaces, its differential lock prevents power loss when one wheel spins.



## PRODUCTIVITY



The new Dynamic load sensing hydraulic steering system contributes to reduce loss of hydraulic and improve energy efficiency.



The new efficiency lighting system employs LED illuminant and new type reflector to reduce energy consumption, improve significantly illumination performance and prolong work time.



## COMFORTABLE OPERATION

*In developing the rough terrain forklift, comfort and easy operation is always considered, for example, improved vibrating levels, compound engine damper and full floating seat and cabin are all applied.*

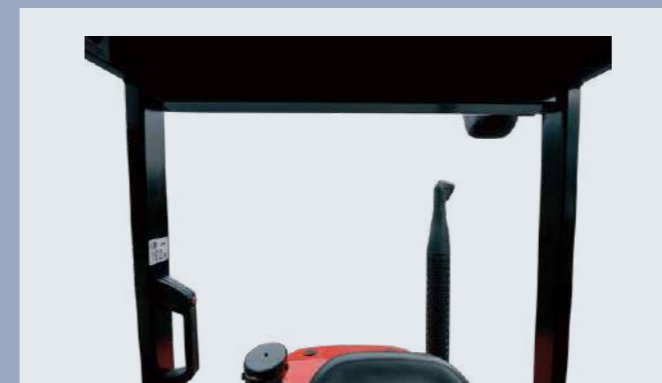
*Comfortable also contribute to increased productivity and reduced the noise.*



1. In addition to rubber damper between overhead and frames, compound engine damper and full floating power train achieve flexible connection between frames and driving system, as a result, traveling vibrations and vibrations from the driving system are significantly reduced.



2. The extra foot space is provided to reduce operator fatigue significantly, non-slip step makes getting in and out easy and safe. The new designed steering wheel, new brake system and the easy-to-operate levers provide total handling operation.



3. Optimized designing structure to offer a good visibility.



4. The new design mast provides broad forward visibility due to the longer distance between inside mast.



## EASY MAINTENANCE



Newly-developed LCD instrument has more comprehensive functions and more stable performance and entirely displays the full truck state, fault code and other important information, which can make the operator more intuitively and conveniently have a better knowledge of truck state and make the maintenance conveniently.



Adoption of new generation integrated electric box makes maintenance and repair convenient, layout becomes more reasonable and with better water-proof performance.



The easy-to-open hook provides quick access to the engine compartment.



Wet brake offers maximum service life for your brake system.

- / The cover on the Panel can be lifted up simply to check the brake fluid.
- / The two-piece design makes the floorboard easy to lift and remove for access to the power train.
- / The fasteners of the radiator cover can be turned easily by hand to enable quick inspections or servicing.



# FOUR-WHEEL DRIVE ROUGH TERRAIN FORKLIFT



## HIGH PERFORMANCE



### Maneuverability

The distance to ground is 270mm for 3.0t, it offers greater maneuverability and keep the truck moving in the roughest of applications, and yet we keep a very low center of gravity, by using a distributed weight in the forklift, giving it an excellent stability.



### Three forward gears

Suspension hydraulic transmission with three forward gears, top speed reach 26km/h.

## Standard specification

- / Suspension transmission
- / Differential lock
- / 2-wheel drive、 4-wheel drive system
- / Suspension seat
- / Return oil filter
- / Big capacity aluminum radiator
- / Air filter
- / Rear working light
- / Warning lamp
- / Cover for tilt cylinder
- / Reversing assist grip
- / Wider fork carriage
- / Wider load backrest
- / LED light

## Options

- / Cabin
- / Heater
- / Front window
- / L/R mirror
- / Extinguisher
- / Customer painting
- / OPS system
- / Sparkle arrester
- / Purified exhaust system
- / Auxiliary hydraulic valve
- / Front working light
- / Triplex wide view free-lift mast
- / Special forks
- / Weigher system
- / Attachments
- / Net cover of radiator