

STAGE V
CERTIFIED

XF2 Series IC Counterbalanced Trucks

with capacity of 1,500 to 3,500kg



ZHEJIANG HANGCHA IMP. & EXP. CO., LTD.

Factory site: 666 Xiangfu Road,
Hangzhou, Zhejiang, China (311305)

Tel: +86-571-88926735 88926755
Fax: +86-571-88926789 88132890

sales@hcforklift.com
www.hcforklift.com



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ISO14001
ISO14001:2015



ISO9001
ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.



TÜVRheinland

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The World of Hangcha
SINCE 1956

SHC
HANGCHA

FOR HIGH PERFORMANCE DURING WORKING



Appearance

A vivid and sturdy exterior inheriting the classic design, embodying innovative ideas, and bringing a strong high-tech impact.



Safe

- / The vehicle has a low center of gravity design and optimized operating vision. (small counterweight design, backward tilting counterweight design, optimized triplex mast design).
- / OPS system is provided for the standard configuration and optionally an adjustable speed limit range of several segments is provided.



Mast

Can be easily installed with J-hooks through a simple process.





**MORE VISION
MORE CONTROL
MORE GUARANTEE**

All-round visibility

Optimized design provides outstanding visibility in all directions.

COMFORTABLE

- / The fully-suspended gearbox, fully-suspended overhead guard, and fully-suspended seat realize three-stage vibration reduction to reduce vibration of the vehicle.
- / Noise control: Special sound-absorbing cotton is attached to certain parts and so on to decrease the vehicle's noise.
- / Optimized ergonomic design, enlarged cab space, an optional new-generation fingertip operating system.



The fully-suspended gearbox



Fully-suspended overhead guard



Cast steering axle mounts

Truck Construction

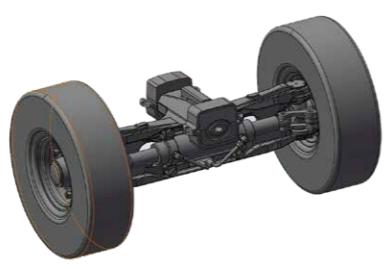
With the novel designed cast steering axle mounts, the center of gravity is lowered, and the vehicle's noise radiation is reduced. An integrated fully-suspended overhead guard is provided for the standard configuration, and customers can choose cab. Large plate stamping and molding processes and automatic welding technology are used to enable a stylish exterior.

Control system

- / Breaking through the limitation of the traditional steering axle structure, the newly developed cast open steering axle has the maximum internal turning angle increased from 77° to 82°, it can help customers work in narrow space.
- / With the cast open steering axle, the oil cylinder can be replaced easily, and the vehicle has a low center of gravity and good stability.
- / The steering axle is installed with pads, which effectively improve the operation comfort and reliability.
- / Parking brake: A central brake requiring less operating force.



An optional pedal parking brake

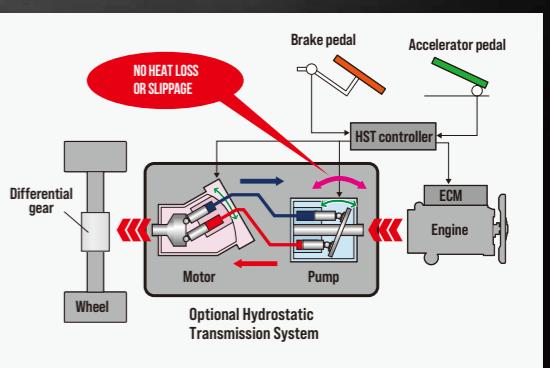


Cast steering axle



Optional hydrostatic transmission system

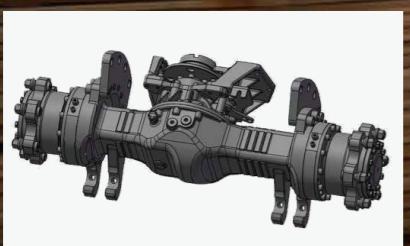
- / In this system, the engine drives a hydraulic pump and the pressure is transferred to a hydraulic motor mounted on the drive axle, then the motor outputs traction to the drive wheels via a gear reducer and a differential.
- / As this system has no clutch to be used by the hydraulic transmission forklift truck, it does not cause heat loss and wear from inching operation, minimizing transmission losses and reducing fuel consumption.
- / The hydrostatic drive system will automatically brake when the accelerator is released, leading to less wear and tear on the brake and tyres, and longer service life.
- / Equipped with the adjustable speed setting and turning deceleration function, driving safety can be ensured from all aspects.
- / Three operating modes (E, N, S) are freely selectable, providing simple and precise control and allowing optimal working efficiency in a wide range of operating conditions.



THE POWER TO PERFORM

Reliable

- / A wet axle is developed and used to significantly improve the reliability of the braking system and force transmission structural parts. (Wet brake, custom high-strength bolts, wheel side planetary reducer).
- / Wet brake drive axle + enhanced SHAOCHI/ OKAMURA enhanced gearbox. Both the drive axle and the gearbox are expected to have a service life of far longer than 10 years, and the wet brake 10 years. Enhanced four-piece rims are used.



Wet brake drive axle

Hydraulic

A high-pressure hydraulic system and load-sensing steering-priority-ensured multiway valves are used to improve system efficiency. A low-noise Shimadzu gear pump can improve reliability and reduce noise. All joints are 24° conic joints and each high-pressure pipe joint has a pressure measuring port, to enable better sealing and maintainability.



E SERIES engines and an enhanced gearbox are developed and used to significantly improve the reliability of the power train. (E series engines match the enhanced F gearbox and new Okamura gearbox).



High Power



Heat Dissipation

Power

- / The highly cost-effective Xinchai 3E22 diesel engine meets EU V emission requirements.
- / The engine has been tested for 10000h in total for reliability validation in several round, the reliability has been fully verified. It is worth mentioning that the diesel engine has been tested in Jinan testing center and Bosch Wuxi test bench for 3000h. The diesel engine has excellent reliability, and is rated as Bosch off-road project 'BES' award.
- / A plate-fin heat dissipater with less air resistance is developed, which has a heat dissipation efficiency increased by 15%.



Very low dilution ratio of engine oil, the oil dilution ratio after single regeneration is only 0.44%, much lower than the value of 20% specified in the national standard, the oil change interval of E series diesel engine up to 500h.



DPF has a long maintenance interval, Based on excellent engine raw emission level and regeneration strategy, the ash cleaning interval up to 5000h.



DPF



E series engine

FULLY AUTOMATED

Electrical system

- / Streamer LED taillights are developed and used to make the vehicle more ethereal with a strong high-tech impact.
- / The new-generation high-efficiency energy-saving novel combination LED lighting system is energy-saving, while the performance and service life of the lights are significantly improved.
- / In order to improve the protection level, all key connectors and connectors are all waterproof.



Streamer LED taillights

Intelligent

- / Interactive instruments are provided for the standard configuration, to display the operating status of the vehicle, and realize the information interaction of the vehicle.
- / An intelligent controller can realize the functions of OPS system, and flameout for idle speed time out, and can have other optional functions of speed control, speed limiting for faults, lifting at a high idle speed, automatic fork leveling, etc.



New interactive instruments



Standards

| Truck | Transmission | Steering | Power | Body |
|-------------------------|------------------------------|---------------------------------------|--|---|
| / High-performance tire | / Wet braking drive axle | / Open cast steering axle | / EU V engine | / Special sound-absorbing cotton |
| / Fully-suspended seat | / Fully-suspended gearbox | / Pad-equipped steering axle | / Plate-fin heat dissipater | / Traction device |
| / Vehicle toolkit | / Oil filter | / Fully hydraulic power steering gear | / Auxiliary water tank for heat dissipater | / Engine hood gas spring |
| | / Oil cooler | / Small-diameter steering wheel | / High-efficiency air filter | / Anti-skid boarding step |
| | / Four-piece rim | / Steering wheel adjusting device | / Safety filter cartridge | / Large rubber pedal pad |
| | / Electro-hydraulic steering | | / High-efficiency air intake silencer | / Counterweight grille cover |
| | / Gearbox dipstick | | / High-efficiency exhaust silencer | / Lockable hood |
| | | | / High-position air intake device | / Double-layer soundproof hood padding |
| | | | / Low-position exhauster | / Water tank lid bolt with retaining ring |
| | | | / Fan protection device | / Piston rod sleeve |
| | | | / Engine operation safety protection | / Traction pin locking pin |
| | | | / DPF system | |

| Control | Hydraulic | Electrical | Portal | Overhead Guard |
|--|---|--|--|---------------------------------------|
| / Cable-type stop brake (with safety lock) | / Low-noise gear pump | / Multifunctional interactive instruments | / Duplex wide-view large-lifting-capacity mast | / Fully-suspended overhead guard |
| / Hanging control pedal | / Load-sensing steering-priority-ensured multiway valve | / Chair sensing system | / Boarding handle | |
| | / 24° conic joint | / Combination LED lighting system | / Standard fork | / Right rear armrest with horn button |
| | / High-pressure hydraulic system | / Intelligent controller | / Standard fork carriage | / PVC ceiling |
| | / Hydraulic oil recycling filter cartridge | / Gear shifting switch formed by in-mold injection | / Standard load backrest | / Wide-view rearview mirror |
| | / Self-locking valve in the tilting fuel circuit | / Speed limiting valve of the mast | | |
| | / Hydraulic dipstick | / Load safety valve | | |
| | / Double valve | / Mast descending buffering device | | |
| | / Hydraulic oil suction filter cartridge | | | |

Options

| Truck | Power | Hydraulic | Electrical | Portal |
|---|--|---------------------------------------|--|---|
| / New-generation fingertip operating system | / Water tank grille cover | / Hydraulic oil heat dissipater | / Multi-segment adjustable speed limit | / Free duplex wide-view mast |
| / Combined cab | / Basin-shaped double air filter | / Electric proportional control valve | / Battery for start in cold weather | / Four-cylinder free triplex wide-view mast |
| / Cab heater | / High-position exhauster | / Triple valve | / Lifting at a high idle speed | / Free triplex wide-view mast |
| / Windshield and wiper | / High-position exhaust fire protection device | / Quadruple valve | / Oil-water separation alarm | / Special fork |
| / User specified color | | / Quintuple valve | / Acoustic and optical alarm light | / Widened fork carriage |
| / Solid tire | | | / Start with a PIN code or by swiping a card | / Heightened load backrest |
| / Clean tire | | | / Rear lamp | |
| / Swinging LPG cylinder stand | | | / Blue light | |
| / Buckling LPG cylinder stand | | | | |
| / Fan | | | | |
| / License plate frame | | | | |
| / Labels in foreign languages | | | | |

| Transmission | Steering | Body | Overhead Guard | Control |
|-----------------------|------------------------|-------------------------------------|--|-----------------------|
| / Double front wheels | / Synchronous steering | / Rotating handle of water tank lid | / Heightened overhead guard | / Pedal parking brake |
| | | / Fuel tank cap with lock | / Additional left and right rearview mirrors | |
| | | | / Fire extinguisher (1kg) | |

Optional Attachments

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

1.5-1.75t XF2 series mast:[pneumatic]

| Type | Model | Max. Fork Height | Overall height | | Free lift | | Front Overhang | Tilt range | | | | Capacity | | |
|----------------|-----------|------------------|----------------|------|-----------|------|----------------|------------------|---------------|-----|-----|------------------------|-----------|--|
| | | | Lowered | | Extended | | | Without backrest | With backrest | FWD | BWD | load capacity at 500mm | | |
| | | | mm | mm | mm | mm | | mm | mm | (*) | (*) | Single tire | Dual tire | |
| Wide view mast | X2B15M200 | 2000 | 1495 | 2548 | 2958 | 155 | 155 | 405 | 410 | 6 | 6 | 1500 | 1750 | |
| | X2B15M250 | 2500 | 1745 | 3048 | 3458 | 155 | 155 | 405 | 410 | 6 | 11 | 1500 | 1750 | |
| | X2B15M270 | 2700 | 1845 | 3248 | 3658 | 155 | 155 | 405 | 410 | 6 | 11 | 1500 | 1750 | |
| | X2B15M300 | 3000 | 1995 | 3548 | 3958 | 155 | 155 | 405 | 410 | 6 | 11 | 1500 | 1750 | |
| | X2B15M330 | 3300 | 2145 | 3848 | 4258 | 155 | 155 | 405 | 410 | 6 | 11 | 1500 | 1750 | |
| | X2B15M350 | 3500 | 2245 | 4048 | 4458 | 155 | 155 | 405 | 410 | 6 | 11 | 1500 | 1750 | |
| | X2B15M360 | 3600 | 2345 | 4148 | 4558 | 155 | 155 | 405 | 410 | 6 | 11 | 1500 | 1750 | |
| | X2B15M370 | 3700 | 2395 | 4248 | 4658 | 155 | 155 | 405 | 410 | 6 | 11 | 1500 | 1750 | |
| | X2B15M400 | 4000 | 2595 | 4548 | 4958 | 155 | 155 | 405 | 410 | 6 | 11 | 1500 | 1750 | |
| | X2B15M430 | 4300 | 2745 | 4848 | 5258 | 155 | 155 | 405 | 410 | 6 | 6 | 1500 | 1750 | |
| | X2B15M450 | 4500 | 2845 | 5248 | 5658 | 155 | 155 | 405 | 410 | 6 | 6 | 1450 | 1600 | |
| | X2B15M470 | 4700 | 2945 | 5348 | 5758 | 155 | 155 | 405 | 410 | 6 | 6 | 1450 | 1600 | |
| | X2B15M480 | 4800 | 2995 | 5548 | 5958 | 155 | 155 | 405 | 410 | 3 | 6 | / | / | |
| | X2B15M500 | 5000 | 3095 | 5648 | 6058 | 155 | 155 | 405 | 410 | 3 | 6 | / | / | |
| | X2B15M520 | 5200 | 3345 | 6048 | 6458 | 155 | 155 | 405 | 410 | 3 | 6 | / | / | |
| | X2B15M550 | 5500 | 3495 | 6248 | 6658 | 155 | 155 | 405 | 410 | 3 | 6 | / | / | |
| | X2B15M600 | 6000 | 3595 | 6548 | 6958 | 155 | 155 | 405 | 410 | 3 | 6 | / | / | |
| | X2B15U200 | 2000 | 1495 | 2570 | 2945 | 921 | 550 | 417 | 422 | 6 | 6 | 1500 | 1750 | |
| | X2B15U250 | 2500 | 1745 | 3070 | 3445 | 1171 | 800 | 417 | 422 | 6 | 11 | 1500 | 1750 | |
| | X2B15U270 | 2700 | 1845 | 3270 | 3645 | 1271 | 900 | 417 | 422 | 6 | 11 | 1500 | 1750 | |
| | X2B15U300 | 3000 | 1995 | 3570 | 3945 | 1421 | 1050 | 417 | 422 | 6 | 11 | 1500 | 1750 | |
| | X2B15U330 | 3300 | 2145 | 3870 | 4245 | 1571 | 1200 | 417 | 422 | 6 | 11 | 1500 | 1750 | |
| | X2B15U350 | 3500 | 2245 | 4070 | 4445 | 1671 | 1300 | 417 | 422 | 6 | 11 | 1500 | 1750 | |
| | X2B15U360 | 3600 | 2345 | 4170 | 4545 | 1771 | 1400 | 417 | 422 | 6 | 11 | 1500 | 1750 | |
| | X2B15U370 | 3700 | 2395 | 4270 | 4645 | 1821 | 1450 | 417 | 422 | 6 | 11 | 1500 | 1750 | |
| | X2B15U400 | 4000 | 2595 | 4570 | 4945 | 2021 | 1650 | 417 | 422 | 6 | 11 | 1500 | 1750 | |

With sideshifter minus 150kg, with integral sideshifter minus 100kg.

2.0-2.5t XF2 series mast:[pneumatic]

| Type | Model |
|------|-------|
|------|-------|

XF2 series 1.5-3.5t forklift specification

| HANGCHA GROUP CO.,LTD. | | | | | | | | | | | | | | | |
|------------------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Distinguishing mark | 1.1 | Manufacturer | | | | | | | | | | | | | |
| | 1.2 | Manufacturer's type designation | | | | | | | | | | | | | |
| | 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas | | | | | | | | | | | | | |
| | 1.5 | Rated capacity/rated load | | | | | | | | | | | | | |
| | 1.6 | Load centre distance | | | | | | | | | | | | | |
| | 1.8 | Load distance, centre of drive axle to fork | | | | | | | | | | | | | |
| | 1.9 | Rear overhang | | | | | | | | | | | | | |
| | 2.1 | Wheelbase | | | | | | | | | | | | | |
| | 2.2 | Weight | | | | | | | | | | | | | |
| Tyres, chassis | 2.1 | Service Weight | | | | | | | | | | | | | |
| | 2.2 | Axle loading, laden front/rear | | | | | | | | | | | | | |
| | 2.3 | Axle loading, unladen front/rear | | | | | | | | | | | | | |
| | 3.2 | Tyre size, front | | | | | | | | | | | | | |
| | 3.3 | Tyre size, rear | | | | | | | | | | | | | |
| | 3.6 | Tread, front | | | | | | | | | | | | | |
| | 3.7 | Tread, rear | | | | | | | | | | | | | |
| | 4.1 | Tilt of mast/fork carriage forward/backward | | | | | | | | | | | | | |
| | 4.2 | Height, mast lowered | | | | | | | | | | | | | |
| Dimensions | 4.3 | Free lift | | | | | | | | | | | | | |
| | 4.4 | Lift | | | | | | | | | | | | | |
| | 4.5 | Height, mast extended | | | | | | | | | | | | | |
| | 4.7 | Height of overhead guard (cabin) | | | | | | | | | | | | | |
| | 4.20 | Length to face of forks | | | | | | | | | | | | | |
| | 4.21 | Overall width | | | | | | | | | | | | | |
| | 4.22 | Fork dimensions | | | | | | | | | | | | | |
| | 4.31 | Ground clearance, laden, below mast | | | | | | | | | | | | | |
| | 4.32 | Ground clearance, centre of wheelbase | | | | | | | | | | | | | |
| Performance data | 4.33 | Aisle width for pallets 1000 x 1200 crossways | | | | | | | | | | | | | |
| | 4.34 | Aisle width for pallets 800 x 1200 lengthways | | | | | | | | | | | | | |
| | 4.35 | Turning radius | | | | | | | | | | | | | |
| | 5.1 | Travel speed, laden/unladen | | | | | | | | | | | | | |
| | 5.2 | Lift speed, laden/unladen | | | | | | | | | | | | | |
| | 5.3 | Lowering speed, laden/unladen | | | | | | | | | | | | | |
| | 5.5 | Drawbar pull, laden/unladen | | | | | | | | | | | | | |
| | 5.7 | Gradeability, laden/unladen* | | | | | | | | | | | | | |
| Combustion-engine | 7.1 | Engine manufacturer/type | | | | | | | | | | | | | |
| | Emission STD | XINCHAI 3E22YG51P464 | | | | | | | | | | | | | |
| | 7.2 | XINCHAI 3E22YG51-001 | | | | | | | | | | | | | |
| | 7.3 | Kubota V2607-CR-E5B | | | | | | | | | | | | | |
| | 7.4 | EU StageV | | | | | | | | | | | | | |
| | 7.5 | EU StageV/EPA Tier 4F/CARB Tier 4F | | | | | | | | | | | | | |
| | 7.6 | EU StageV | | | | | | | | | | | | | |
| | 7.7 | 3/2227 | | | | | | | | | | | | | |
| | 7.8 | 3/2227 | | | | | | | | | | | | | |
| Addition data | 7.9 | 3/2227 | | | | | | | | | | | | | |
| | 7.10 | 3/2227 | | | | | | | | | | | | | |
| | 7.11 | 3/2227 | | | | | | | | | | | | | |
| | 7.12 | 3/2227 | | | | | | | | | | | | | |

XF2 series 1.5-3.5t forklift specification

| HANGCHA GROUP CO.,LTD. | | | | | | | | | | | | | | |
|------------------------|--|---|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1.1 | Manufacturer | | | | | | | | | | | | | |
| 1.2 | Manufacturer's type designation | | CPYD15-X2H23F1/B1 | CPYD18-X2H23F1/B1 | CPYD20-X2H21F1/B1 | CPYD25-X2H21F1/B1 | CPYD30-X2H21F1/B1 | CPYD35-X2H21F1/B1 | CPYD18-X2H24F1/B1 | CPYD20-X2H22F1/B1 | CPYD25-X2H22F1/B1 | CPYD30-X2H22F1/B1 | CPYD35-X2H22F1/B1 | |
| 1.3 | Drive: electric [battery or mains], diesel, petrol, fuel gas | fuel gas | fuel gas | fuel gas | fuel gas | fuel gas | fuel gas | fuel gas | fuel gas/petrol | |
| 1.5 | Rated capacity/rated load | Q (kg) | 1500 | 1750 | 2000 | 2500 | 3000 | 3500 | 1500 | 1750 | 2000 | 2500 | 3000 | |
| 1.6 | Load centre distance | c (mm) | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | |
| 1.8 | Load distance, centre of drive axle to fork | x (mm) | 405 | 410 | 462.5 | 462.5 | 477.5 | 482.5 | 405 | 410 | 462.5 | 462.5 | 477.5 | |
| | Rear overhang | mm | 405 | 430 | 405 | 480 | 535 | 600 | 405 | 430 | 405 | 480 | 535 | |
| 1.9 | Wheelbase | y (mm) | 1475 | 1475 | 1650 | 1650 | 1700 | 1700 | 1475 | 1475 | 1650 | 1650 | 1700 | |
| Weight | 2.1 | Service Weight | kg | 2750 | 2900 | 3455 | 3815 | 4400 | 4755 | 2750 | 2900 | 3455 | 3815 | |
| | 2.2 | Axle loading, laden front/rear | kg | 3700/550 | 4110/540 | 4801/654 | 5543/772 | 6345/1055 | 7155/1100 | 3700/550 | 4110/540 | 4801/654 | 5543/772 | 6345/1055 |
| | 2.3 | Axle loading, unladen front/rear | kg | 1280/1470 | 1280/1620 | 1635/1820 | 1585/2230 | 1620/2780 | 1620/3135 | 1280/1470 | 1280/1620 | 1635/1820 | 1585/2230 | 1620/2780 |
| Tyres, chassis | 3.2 | Tyre size, front | | 6.50-10-10 PR/2 | 6.50-10-10 PR/2 | 7.00-12-12PR/2 | 7.00-12-12PR/2 | 28×9-15-12PR/2 | 28×9-15-12PR/2 | 6.50-10-10 PR/2 | 6.50-10-10 PR/2 | 7.00-12-12PR/2 | 7.00-12-12PR/2 | 28×9-15-12PR/2 |
| | 3.3 | Tyre size, rear | | 5.00-8-10PR/2 | 5.00-8-10PR/2 | 6.00-9-10PR/2 | 6.00-9-10PR/2 | 6.50-10-10PR/2 | 6.50-10-10PR/2 | 5.00-8-10PR/2 | 5.00-8-10PR/2 | 6.00-9-10PR/2 | 6.00-9-10PR/2 | 6.50-10-10PR/2 |
| | 3.6 | Tread, front | b ₁₀ (mm) | 920 | 920 | 965 | 965 | 1005 | 1005 | 920 | 920 | 965 | 965 | 1005 |
| Dimensions | 3.7 | Tread, rear | b ₁₁ (mm) | 940 | 940 | 973 | 973 | 975 | 975 | 940 | 940 | 973 | 973 | 975 |
| | 4.1 | Tilt of mast/fork carriage forward/backward | α/β(°) | 6/11 | 6/11 | 6/11 | 6/11 | 6/11 | 6/11 | 6/11 | 6/11 | 6/11 | 6/11 | 6/11 |
| | 4.2 | Height, mast lowered | h ₁ (mm) | 1995 | 1995 | 2015 | 2015 | 2040 | 2155 | 1995 | 1995 | 2015 | 2015 | 2040 |
| Dimensions | 4.3 | Free lift | h ₂ (mm) | 155 | 155 | 140 | 140 | 145 | 150 | 155 | 155 | 140 | 140 | 150 |
| | 4.4 | Lift | h ₃ (mm) | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| | 4.5 | Height, mast extended | h ₄ (mm) | 1995 | 1995 | 4046 | 4046 | 4145 | 4145 | 1995 | 1995 | 4046 | 4046 | 4145 |
| Dimensions | 4.7 | Height of overhead guard (cabin) | h ₆ (mm) | 2155 | 2155 | 2165 | 2165 | 2180 | 2180 | 2155 | 2155 | 2165 | 2165 | 2180 |
| | 4.20 | Length to face of forks | l ₂ (mm) | 2285 | 2315 | 2517.5 | 2592.5 | 2712.5 | 2782.5 | 2285 | 2315 | 2517.5 | 2592.5 | 2712.5 |
| | 4.21 | Overall width | b ₁ (mm) | 1110 | 1110 | 1155 | 1155 | 1225 | 1225 | 1110 | 1110 | 1155 | 1155 | 1225 |
| Performance data | 4.22 | Fork dimensions | s/e/l (mm) | 920×100×35 | 920×100×35 | 1070×122×40 | 1070×122×40 | 1070×122×45 | 1070×122×50 | 920×100×35 | 920×100×35 | 1070×122×40 | 1070×122×40 | 1070×122×45 |
| | 4.31 | Ground clearance, laden, below mast | m ₁ (mm) | 115 | 115 | 115 | 115 | 130 | 130 | 115 | 115 | 115 | 115 | 130 |
| | 4.32 | Ground clearance, centre of wheelbase | m ₂ (mm) | 150 | 150 | 150 | 150 | 165 | 165 | 150 | 150 | 150 | 150 | 165 |
| Performance data | 4.33 | Aisle width for pallets 1000 x 1200 crossways | A _{st} (mm) | 3595 | 3620 | 3822.5 | 3892.5 | 4027.5 | 4097.5 | 3595 | 3620 | 3822.5 | 3892.5 | 4027.5 |
| | 4.34 | Aisle width for pallets 800 x 1200 lengthways | A _{st} (mm) | 3795 | 3820 | 4022.5 | 4092.5 | 4227.5 | 4297.5 | 3795 | 3820 | 4022.5 | 4092.5 | 4227.5 |
| | 4.35 | Turning radius | W _a (mm) | 1990 | 2010 | 2160 | 2230 | 2350 | 2415 | 1990 | 2010 | 2160 | 2230 | 2415 |
| Combustion-engine | 5.1 | Travel speed, laden/unladen | km/h | 20.5/20 | 20.5/20 | 20.5/20 | 20.5/20 | 20.5/20 | 20.5/20 | 20.5/20 | 20.5/20 | 20.5/20 | 20.5/20 | 20.5/20 |
| | 5.2 | Lift speed, laden/unladen | m/s | 0.65/0.68 | 0.65/0.68 | 0.62/0.66 | 0.62/0.66 | 0.58/0.62 | 0.46/0.5 | 0.65/0.68 | 0.65/0.68 | 0.62/0.66 | 0.62/0.66 | 0.58/0.62 |
| | 5.3 | Lowering speed, laden/unladen | m/s | 0.5/0.45 | 0.5/0.45 | 0.5/0.45 | 0.5/0.45 | 0.5/0.45 | 0.5/0.45 | 0.5/0.45 | 0.5/0.45 | 0.5/0.45 | 0.5/0.45 | 0.5/0.45 |
| Performance data | 5.5 | Drawbar pull, laden/unladen | N | 15600/ | 15600/ | 18300/ | 18300/ | 19300/ | 19300/ | 15600/ | 15600/ | 18300/ | 18300/ | 19300/ |
| | 5.7 | Gradeability, laden/unladen* | % | 24 | 22 | 23 | 20 | 20 | 15 | 24 | 22 | 23 | 20 | 15 |
| | 7.1 | Engine manufacturer/type | | GCT GK21 LPG | GCT GK21 LPG | GCT GK25 LPG | GCT GK25 LPG | GCT GK25 LPG | GCT GK21 DUAL | GCT GK21 DUAL | GCT GK25 DUAL | GCT GK25 DUAL | GCT GK25 DUAL | |
| Combustion-engine | Emission STD | | | | | | | | | | | | | |
| | 7.2 | Engine power according to DIN ISO 1585 | kw | 43 | 43 | 47 | 47 | 47 | 43/40 | 43/40 | 47/44.5 | 47/44.5 | 47/44.5 | 47/44.5 |
| | 7.3 | Rated speed | min | 2700 | 2700 | 2700 | 2700 | 2700 | 2700 | 2700 | 2700 | 2700 | 2700 | 2700 |
| Combustion-engine | 7.4 | Number of cylinders/displacement | (·)/(cm ³) | 4/2065 | 4/2065 | 4/2488 | 4/2488 | 4/2488 | 4/2065 | 4/2065 | 4/2488 | 4/2488 | 4/2488 | 4/2488 |
| | 7.10 | Battery voltage/nominal capacity | V/Ah | 12/90 | 12/90 | 12/90 | 12/90 | 12/90 | 12/90 | 12/90 | 12/90 | 12/90 | 12/90 | 12/90 |
| | Rated torque | | N·m/r/min | 161/1800 | 161/1800 | 190/1600 | 190/1600 | 190/1600 | (161/1800)/(153/1800) | (161/1800)/(153/1800) | (190/1600)/(175/1600) | (190/1600)/(175/1600) | (190/1600)/(175/1600) | (190/1600)/(175/1600) |
| Addition data | Bore × stroke | | mm | 89×83 | 89×83 | 89×100 | 89×100 | 89×100 | 89×83 | 89×83 | 89×100 | 89×100 | 89×100 | 89×100 |
| | Transmissions Manufacturer | | | CHINA/OKAMURA | CHINA/OKAMURA | CHINA/OKAMURA | CHINA/OKAMURA | CHINA/OKAMURA | CHINA/OKAMURA | CHINA/OKAMURA | CHINA/OKAMURA | CHINA/OKAMURA | CHINA/OKAMURA | CHINA/OKAMURA |
| | Transmissions Type | | | Power shift | Power shift | Power shift | Power shift | Power shift | Power shift |
| Addition data | Stage FWD/RVS | | | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| | 10.1 | Operating pressure for attachments | bar | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Addition data | 10.4 | Fuel tank capacity | liter | NA | NA | NA | NA | NA | NA | 50 | 50 | 58 | 60 | 60 |

Note: *With suspension seat or cabin

*As a calculated value

