

| Configuration | | |
|----------------------------|--|--------------------|
| Parts | | High configuration |
| Smart safety parts | Tiptronic transmission box | ● |
| | Electric-hydraulic proportional control valve | ● |
| | Wet type brake drive axle | ● |
| | HELI smart safety buffering system | ● |
| | Hydraulic service brake | ● |
| | Stepless speed limit from 5km/h to the maximum speed | ● |
| | OPS | ● |
| | Stamping overhead guard | ● |
| | Self lock valve of tilting cylinder | ● |
| | Smart safe control system | ○ |
| | FICS | ○ |
| | 9 inches cyclone air filter with dual cores (with pressure alarm) | ● |
| | Power switch | ● |
| | Oil tank with lock | ● |
| | Fire extinguisher (2kg) | ○ |
| Comfortable parts | Integrated fingertip operation system | ● |
| | Electro-hydraulic parking brake | ● |
| | Full suspension seat | ● |
| | Lowering buffering for rear lifting cylinder, upper buffering for front lifting cylinder | ● |
| | Adjustable steering column | ● |
| | Reversing handle with integrated horn | ● |
| | USB interface | ● |
| | Hydraulic synchronized steering | ○ |
| | Instrument identification (card swipe or password for start) | ○ |
| Fan | ○ | |
| Reversing speaker | ○ | |
| Environment friendly parts | Meet the latest emission requirements(EU V, China III) | ● |
| | Variable piston pump | ● |
| | Load sensing steering | ● |
| | LCD instrument | ● |

Note: "●" standard; "○" optional; "—" non-configuration

| Configuration | | |
|------------------------------|---|--------------------|
| Parts | | High configuration |
| Cab | Front windshield (with wiper) | ○ |
| | Rear windshield | ○ |
| | Panel mounted cab | ○ |
| | Panel mounted cab (with heater) | ○ |
| | Panel mounted cab (with heater and air conditioner for cooling) | ○ |
| Lights | Panel mounted cab (with air conditioner for cooling) | ○ |
| | Panel mounted cab (with air conditioner) | ○ |
| | LED lights for whole truck | ● |
| | LED rear working lights (2) | ○ |
| | Warning light (rotating) | ○ |
| Lifting system | Warning light (rotating and buzzer) | ○ |
| | Blue light | ○ |
| | Normal mast | ● |
| | Full free mast (two stage or three stage) | ○ |
| | Non-standard attachment | ○ |
| | Mast height | ○ |
| | Hydraulic fork positioner (8.5-100) | ● |
| | Fork carrier (5-70) | ● |
| | backrest (5-70) | ● |
| | Sharp type fork | ○ |
| Others | Winder fork carrier | ○ |
| | Metric thread | ● |
| | American thread | ○ |
| | Solid tyre | ○ |
| | Traceless solid tyre | ○ |
| | Sleeve for tilting cylinder | ● |
| Sleeve for steering cylinder | ● | |
| Universal key | ○ | |
| Customer made color | ○ | |

CPCD 50/60/70 /85/100 CU1ZG3/CU2ZG3



5-10 t

G3 series Internal Combustion Counterbalanced Forklift Truck



ANHUI HELI CO., LTD.
Add / No.668, FangXing Road, Hefei, China
Fax / +86-551-63639966

Tel / +86-551-63639068(America); 63639258(Europe);
63639358(Asia); 63662105(Africa & Middle East);
63639530(Key Accounts Division); 63662105(Wheel loader)

HELI

**Our power and confidence are from
reliable high quality products.**

Elegance in appearance,excellent in performance



Ecology and saving

The QSF3.8 Euro V power engine of Cummins is equipped with DOC + DPF + SCR post-treatment technology meeting the most stringent emission standards;



Standard DANFOSS hydraulic variable system and load sensitive steering system are energy saving and high efficiency;

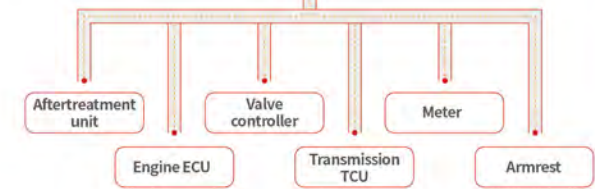
Energy saved by **10%**



Smart and comfortable

Standard configuration of ZF tiptronic transmission

- Full time free gear control of front 3 / rear 3 is suitable for complex working conditions;
- The proportional valve can control the gear shift accurately and smoothly, which makes driving comfortable;
- Stepless speed limit from 5km / h to the maximum speed can be realized and it is suitable for different application;
- Electronic control system and gearbox clutch calibration function offer long-term and efficient operation through smart protection on transmission box.



Through LCD instrument and good human-computer interaction, the operator can monitor the truck status in real time.



Electronic architecture based on CAN bus communication

- More concise wiring harness
- More efficient communication
- greatly reduce Communication failure rate, more reliable

HELI smart fleet management system (optional)

| | |
|----------------------|---------------------------------------|
| Vehicle positioning | Vehicle management |
| Remote diagnosis | Identification recognition (optional) |
| Remote monitoring | Weight management (optional) |
| Maintenance reminder | Collision management (optional) |
| Statistical form | |



LED lighting system

Low energy consumption, high brightness and long life;



Variable piston hydraulic pump

- Fuel supply on demand is more energy-saving;
- Multi mechanism synchronous oil supply is more efficient;
- More quiet;
- 10000 hours service life, more reliable.



Standard configuration of intelligent safety buffer system cushion operator from effects of riding over uneven surface and it is more comfortable.

• **Vibration shock reduction**

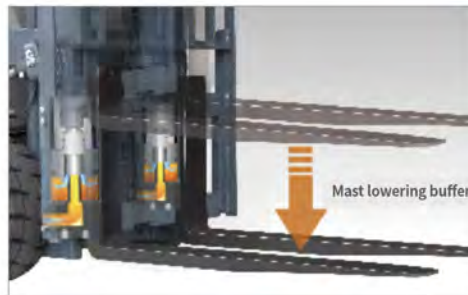
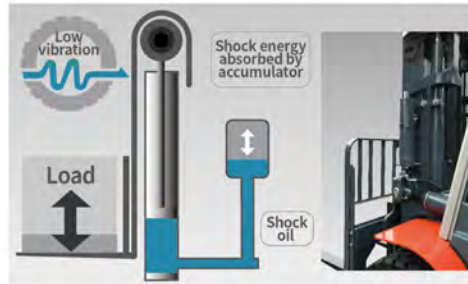
When driving under load conditions, the impact caused by uneven surface is greatly absorbed, and the vibration is effectively reduced.

• **Vibration and noise reduction**

When driving under load condition, the impact noise caused by uneven surface is greatly reduced.

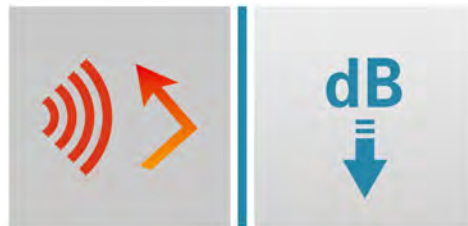
• **Reduced driving fatigue**

During the emergency stop operation during the load lowering process, the vibration and driving fatigue caused by inertia impact can be effectively reduced, and the driving safety can be improved.

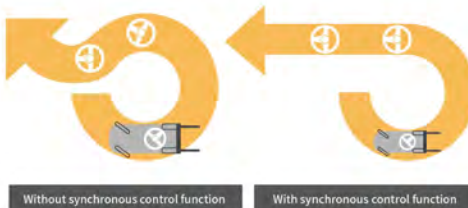


Standard configuration of oil cylinder lower buffer, comfortable operation

Multi system joint optimization design (active noise reduction of engine, transmission box, axle and hydraulic oil pump, application of sealing sound insulation materials of the whole truck) reduces truck noise.



Hydraulic synchronous steering system can adjust steering wheel and wheel angle offset smartly and offers accurate steering and comfortable driving; (optional)



The truck is equipped with hydraulic electronic parking brake to prevent misoperation, the parking brake can be realized by gently touching after the truck stops.



All round man-machine system guarantees comfortable driving: the truck is equipped with armrest, full suspension seat, integrated fingertip operating system and large driving space.



High efficient and safe

Smart protection on gearbox and engine ensure the safety of the whole truck.



Smart protection on high engine water temperature, low oil pressure, intake pressure and temperature.

- Operator present system (after the driver leaves the seat accidentally, walking and lifting function of the whole truck is terminated) prevents the potential safety hazards caused by misoperation.
- When parking brake works, truck travel function is prohibited and thus the safety of driving operation is improved;
- Start protection function, fingertip operation system and anti-restart protection function from non-neutral gear ensure operation safety;
- The truck is equipped with large capacity air filter with safety filter element and pressure alarm function;
- The optimal design of power suspension increases the limit of limit impact to protect the power assembly from accidental impact;
- Truck safety warning: reverse image system, warning light, etc. (optional)

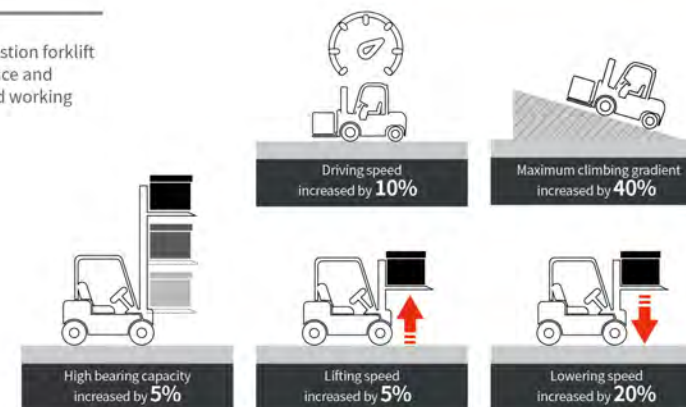


Stamping roof type overhead guard improves the roof strength and improves the operation safety;



Intelligent safety control system improves the safety of high-lifting operation; (optional)

G3 series 5-10t internal combustion forklift truck has improved performance and create higher efficiency at fixed working hours.

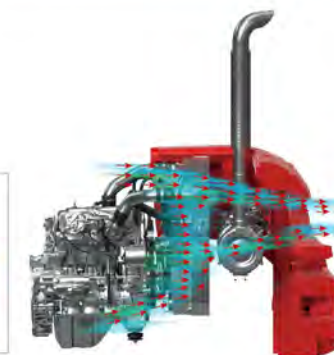
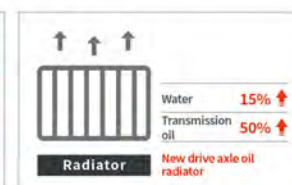
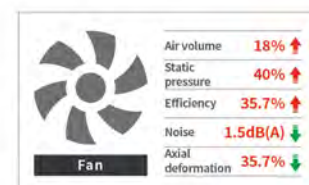
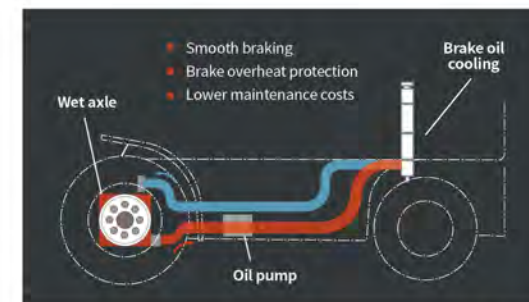


Note: the above data are from the comparison with G series 7t internal combustion forklift truck.

Reliable quality

HELI has been committed to the research of truck reliability for many years, and the core parts have been verified by the market for a long time. The truck goes through high standard reliability test before marketing, long-time quality tracking and verification after marketing, and strict control of various performance indicators.

- The CAE forward design improves the strength of structural parts;
- Wet braking with forced oil cooling radiator ensures the stability and reliability of braking performance under extreme conditions;
- High performance cooling system ensures the heat dissipation performance of the whole truck;



Note: the above data are from the comparison with G series 7t internal combustion forklift truck

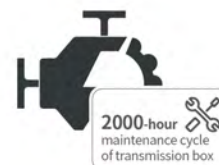
Harsh truck key parts endurance reliability test ensures the long-term reliability of core parts.



Higher standard endurance reliability test and high-intensity industrial verification of the whole truck ensures the reliability of long-term use of the whole truck;

Efficient and convenient maintenance

Super long maintenance cycle of core parts

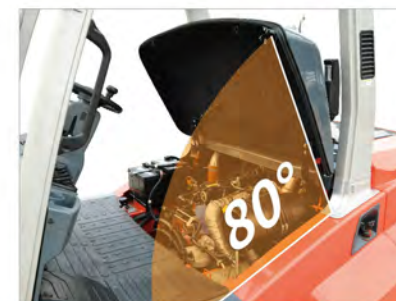


Integrated electrical cabinet and embedded instrument make disassembly and maintenance easy;

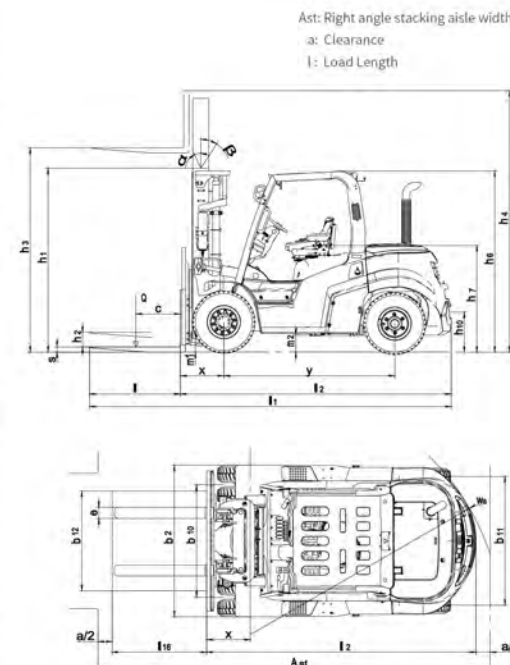


Timely remind maintenance information is given through instrument;

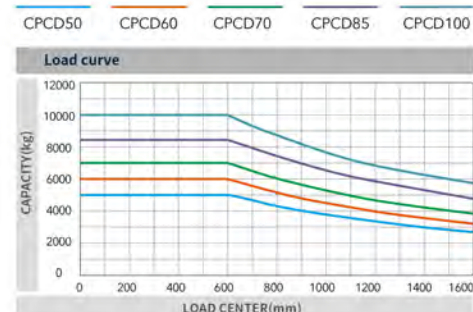
Large opening angle hood and detachable front and rear floor make check and repair easier;



| Manufacturer and Technical Data | | | | | | | | | | | | | | |
|---------------------------------|--|--|----|-------------|-------------|--------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|--------------|
| Characteristics | | | | | | | | | | | | | | |
| 1.01 | Manufacturer | HELI | | | | | | | | | | | | |
| 1.02 | Model | CPCD50 | | CPCD60 | CPCD70 | CPCD85 | CPCD100 | CPCD50 | CPCD60 | CPCD70 | CPCD85 | CPCD100 | | |
| 1.03 | Configuration number | CU1ZG3 | | CU1ZG3 | CU1ZG3 | CU1ZG3 | CU1ZG3 | CU2ZG3 | CU2ZG3 | CU2ZG3 | CU2ZG3 | CU2ZG3 | | |
| 1.04 | Rated capacity | Q | kg | 5000 | 6000 | 7000 | 8500 | 10000 | 5000 | 6000 | 7000 | 8500 | 10000 | |
| 1.05 | Load center distance | c | mm | 600 | | | | 600 | | | | | | |
| 1.06 | Power mode | Diesel | | | | | | | | | | | | |
| 1.07 | Driving mode | Seat-type | | | | | | | | | | | | |
| 1.08 | Front overhang | x | mm | 575 | 580 | 585 | 687 | 702 | 575 | 580 | 585 | 687 | 702 | |
| 1.09 | Wheelbase | y | mm | 2300 | | | | 2300 | | | | | | |
| Weight | | | | | | | | | | | | | | |
| 2.01 | Total weight | kg | | 8470 | 9000 | 9860 | 11600 | 12800 | 8470 | 9000 | 9860 | 11600 | 12800 | |
| 2.02 | Axle load (laden,front/rear) | kg | | 12000/1470 | 13390/1610 | 14930/1930 | 17700/2400 | 20300/2500 | 12000/1470 | 13390/1610 | 14930/1930 | 17700/2400 | 20300/2500 | |
| 2.03 | Axle load (unladen,front/rear) | kg | | 4430/4040 | 4270/4730 | 4300/5560 | 4750/6650 | 5800/7000 | 4430/4040 | 4270/4730 | 4300/5560 | 4750/6650 | 5800/7000 | |
| Tyres | | | | | | | | | | | | | | |
| 3.01 | Tyre type | Pneumatic type | | | | | | | | | | | | |
| 3.02 | Tyre size,front | 8.25-15-14PR | | | | 9.00-20-14PR | | | | 8.25-15-14PR | | | | 9.00-20-14PR |
| 3.03 | Tyre size,rear | 8.25-15-14PR | | | | 9.00-20-14PR | | | | 8.25-15-14PR | | | | 9.00-20-14PR |
| 3.04 | Wheels,number front/rear (x=driven wheels) | 4X/2 | | | | 4X/2 | | | | 4X/2 | | | | |
| 3.05 | Tread, front | b10 | mm | 1520 | | | | 1520 | | | | 1600 | | |
| 3.06 | Tread, rear | b11 | mm | 1700 | | | | 1700 | | | | 1600 | | |
| Dimensions | | | | | | | | | | | | | | |
| 4.01 | Mast tilt angle (forward/backward) | α/β | ° | 6/12 | | | | 6/12 | | | | | | |
| 4.02 | Height (mast lowered) | h1 | mm | 2480 | | | | 2700 | | | | 2850 | | |
| 4.03 | Free lifting height | h2 | mm | 155 | 160 | 165 | 190 | 200 | 155 | 160 | 165 | 190 | 200 | |
| 4.04 | Lifting height (standard) | h3 | mm | 3000 | | | | 3000 | | | | | | |
| 4.05 | Max. height,extended (with backrest) | h4 | mm | 4400 | | | | 4250 | | | | 4415 | | |
| 4.06 | Height of overhead guard | h6 | mm | 2450 | | | | 2560 | | | | 2450 | | |
| 4.07 | Seat height relating to SIP (to ground) | h7 | mm | 1435 | | | | 1540 | | | | 1435 | | |
| 4.08 | Towing coupling height | h10 | mm | 535 | | | | 600 | | | | 535 | | |
| 4.09 | Overall length (with fork) | l1 | mm | 4705 | 4795 | 4865 | 5172 | 5422 | 4705 | 4795 | 4865 | 5172 | 5422 | |
| 4.10 | Overall length (without fork) | l2 | mm | 3485 | 3575 | 3645 | 3952 | 4202 | 3485 | 3575 | 3645 | 3952 | 4202 | |
| 4.11 | Overall width | b1 | mm | 2045 | | | | 2165 | | | | 2045 | | |
| 4.12 | Fork size:thickness x width x length | s/e/l | mm | 55/150/1220 | 60/150/1220 | 65/150/1220 | 70/175/1220 | 80/175/1220 | 55/150/1220 | 60/150/1220 | 65/150/1220 | 70/175/1220 | 80/175/1220 | |
| 4.13 | Fork carriage,according to ISO2328 | 4A | | | | | | | | | | | | |
| 4.14 | Distance across fork-arms, Max./Min. | b5 | mm | 300-1845 | | | | 470-1990 | | | | 470-2100 | | |
| 4.15 | Ground clearance (laden,between mast) | m1 | mm | 180 | | | | 250 | | | | 180 | | |
| 4.16 | Ground clearance (center of wheelbase) | m2 | mm | 230 | | | | 325 | | | | 230 | | |
| 4.17 | Right angle stacking aisle width for pallet 1000 x1200mm crossways | ast | mm | 5000 | 5060 | 5125 | 5517 | 5842 | 5000 | 5060 | 5125 | 5517 | 5842 | |
| 4.18 | Right angle stacking aisle width for pallet 800 x1200mm lengthways | Ast | mm | 5200 | 5260 | 5325 | 5717 | 6042 | 5200 | 5260 | 5325 | 5717 | 6042 | |
| 4.19 | Min. outside turning radius | Wa | mm | 3225 | 3280 | 3340 | 3630 | 3940 | 3225 | 3280 | 3340 | 3630 | 3940 | |
| Performance Data | | | | | | | | | | | | | | |
| 5.01 | Travel speed (laden/unladen) | km/h | | 29/31 | | 27/30 | | 29/31 | | 27/30 | | 27/30 | | |
| 5.02 | Lift speed (laden/unladen) | m/s | | 495/520 | | 490/520 | | 485/520 | | 390/420 | | 330/350 | | |
| 5.03 | Lowering speed (laden/unladen) | m/s | | 510/460 | | 460/360 | | 510/460 | | 460/360 | | 460/360 | | |
| 5.04 | Max.drawbar pull (laden/unladen) | N | | 76000 | | 75000 | | 74000 | | 76000 | | 76000 | | |
| 5.05 | Max.gradeability (laden/unladen) | % | | 66/19 | | 57/19 | | 50/19 | | 39/19 | | 35/19 | | |
| Combustion-engine | | | | | | | | | | | | | | |
| 6.01 | Engine manufacturer/Moel | CUMMINS QSF3.8 Euro V/ T4F | | | | | | | | | | | | |
| 6.02 | Rated power/Speed | kW/rpm | | 90/2200 | | | | 86/2200 | | | | 86/2200 | | |
| 6.03 | Max. torque/Speed | Nm/rpm | | 500/1500 | | | | 470/1100-1700 | | | | 470/1100-1700 | | |
| 6.04 | Cylinder number-bore x stroke | 4-102*115 | | | | 4-102*115 | | | | 4-102*115 | | | | |
| 6.05 | Engine displacement | L | | 3.8 | | | | 3.8 | | | | 3.8 | | |
| 6.06 | Emission | Euro V/ T4F | | | | | | | | | | | | |
| 6.07 | Transmission gears (front/rear) | Front 3/ Rear 3,automatic shifting. (with manual mode) | | | | | | | | | | | | |
| 6.08 | Fuel tank capacity | L | | 160 | | | | | | | | | | |
| Addition data | | | | | | | | | | | | | | |
| 7.01 | Service brake/Parking brake | Wet braking / Electrical hydraulic braking | | | | | | | | | | | | |
| 7.02 | Operating pressure for attachments | Mpa | | / | | | | | | | | | | |



Ast: Right angle stacking aisle width
a: Clearance
l: Load Length



Note:The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. the standard load means a cubic with 1000mm edge length. When mast is tilted forward, using non-standard forks or loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.

5-7t Wide View Standard Mast

| Mast model | Max. fork height (mm) | Load capacity (load center 600mm)(Kg) | | | Mast height lowered(mm) | Service weight(kg) | | | Mast tilting angle (°)α/β |
|------------|-----------------------|---------------------------------------|--------|--------|-------------------------|--------------------|--------|--------|---------------------------|
| | | CPCD50 | CPCD60 | CPCD70 | | CPCD50/60/70 | CPCD50 | CPCD60 | |
| M200 | 2000 | 5000 | 6000 | 7000 | 2080 | 8325 | 8855 | 9769 | 6°/12° |
| M250 | 2500 | 5000 | 6000 | 7000 | 2230 | 8389 | 8919 | 9791 | 6°/12° |
| M270 | 2700 | 5000 | 6000 | 7000 | 2330 | 8421 | 8951 | 9811 | 6°/12° |
| M300 | 3000 | 5000 | 6000 | 7000 | 2480 | 8470 | 9000 | 9860 | 6°/12° |
| M330 | 3300 | 5000 | 6000 | 7000 | 2630 | 8519 | 9049 | 9909 | 6°/12° |
| M350 | 3500 | 5000 | 6000 | 7000 | 2730 | 8551 | 9081 | 9941 | 6°/12° |
| M375 | 3750 | 5000 | 6000 | 7000 | 2855 | 8592 | 9122 | 9982 | 6°/12° |
| M400 | 4000 | 5000 | 6000 | 7000 | 3030 | 8758 | 9288 | 10148 | 6°/12° |
| M425 | 4250 | 5000 | 6000 | 7000 | 3155 | 8798 | 9328 | 10188 | 6°/12° |
| M450 | 4500 | 5000 | 6000 | 7000 | 3280 | 8839 | 9369 | 10229 | 6°/12° |
| M475 | 4750 | 5000 | 6000 | 7000 | 3405 | 8880 | 9410 | 10270 | 6°/6° |
| M500 | 5000 | 5000 | 6000 | 7000 | 3530 | 8920 | 9450 | 10310 | 6°/6° |
| M550 | 5500 | 4750 | 5700 | 6600 | 3830 | 9114 | 9644 | 10504 | 6°/6° |
| M600 | 6000 | 4400 | 5400 | 6400 | 4080 | 9196 | 9726 | 10586 | 6°/6° |

8.5-10t Wide View Standard Mast

| Mast model | Max. fork height (mm) | Load capacity (load center 600mm)(Kg) | | Mast height lowered(mm) | | Service weight(kg) | | Mast tilting angle (°)α/β |
|------------|-----------------------|---------------------------------------|---------|-------------------------|---------|--------------------|---------|---------------------------|
| | | CPCD85 | CPCD100 | CPCD85 | CPCD100 | CPCD85 | CPCD100 | |
| M250 | 2500 | 8500 | 10000 | 2450 | 2600 | 10921 | 12679 | 6°/12° |
| M270 | 2700 | 8500 | 10000 | 2550 | 2700 | 10975 | 12719 | 6°/12° |
| M300 | 3000 | 8500 | 10000 | 2700 | 2850 | 11600 | 12800 | 6°/12° |
| M330 | 3300 | 8500 | 10000 | 2850 | 3000 | 11701 | 12848 | 6°/12° |
| M350 | 3500 | 8500 | 10000 | 2950 | 3100 | 11846 | 12893 | 6°/12° |
| M375 | 3750 | 8300 | 10000 | 3075 | 3225 | 11926 | 12943 | 6°/12° |
| M400 | 4000 | 8300 | 10000 | 3250 | 3400 | 12101 | 13083 | 6°/12° |
| M425 | 4250 | 8000 | 10000 | 3375 | 3525 | 12256 | 13138 | 6°/12° |
| M450 | 4500 | 8000 | 9000 | 3500 | 3650 | 12376 | 13188 | 6°/12° |
| M475 | 4750 | 8000 | 9000 | 3625 | 3775 | 12521 | 13245 | 6°/6° |
| M500 | 5000 | 7800 | 9000 | 3750 | 3900 | 12636 | 13300 | 6°/6° |
| M550 | 5500 | 7500 | 8000 | 4050 | 4200 | 12958 | 13601 | 6°/6° |
| M600 | 6000 | 7200 | 7500 | 4300 | 4450 | 13161 | 13651 | 6°/6° |

5-7t Wide View Full Free 2-Stage Mast

| Mast model | Max. fork height (mm) | Load capacity (load center 600mm)(Kg) | | | Mast height lowered(mm) | Free lift (with backrest) (mm) | Service weight(kg) | | | Mast tilting angle (°)α/β |
|------------|-----------------------|---------------------------------------|--------|--------|-------------------------|--------------------------------|--------------------|--------|--------|---------------------------|
| | | CPCD50 | CPCD60 | CPCD70 | | | CPCD50/60/70 | CPCD50 | CPCD60 | |
| ZM250 | 2500 | 5000 | 6000 | 7000 | 2210 | 840 | 8509 | 9039 | 9899 | 6°/12° |
| ZM270 | 2700 | 5000 | 6000 | 7000 | 2310 | 940 | 8546 | 9076 | 9936 | 6°/12° |
| ZM300 | 3000 | 5000 | 6000 | 7000 | 2460 | 1090 | 8603 | 9133 | 9993 | 6°/12° |
| ZM330 | 3300 | 5000 | 6000 | 7000 | 2610 | 1240 | 8660 | 9190 | 10050 | 6°/12° |
| ZM350 | 3500 | 5000 | 6000 | 7000 | 2710 | 1340 | 8697 | 9227 | 10087 | 6°/12° |
| ZM375 | 3750 | 5000 | 6000 | 7000 | 2835 | 1465 | 8745 | 9275 | 10135 | 6°/12° |
| ZM400 | 4000 | 5000 | 6000 | 7000 | 3010 | 1640 | 8920 | 9450 | 10310 | 6°/12° |
| ZM425 | 4250 | 5000 | 6000 | 7000 | 3135 | 1765 | 8972 | 9502 | 10362 | 6°/12° |
| ZM450 | 4500 | 5000 | 6000 | 7000 | 3260 | 1890 | 9015 | 9545 | 10405 | 6°/12° |
| ZM475 | 4750 | 5000 | 6000 | 7000 | 3385 | 2015 | 9062 | 9582 | 10452 | 6°/6° |
| ZM500 | 5000 | 5000 | 6000 | 7000 | 3510 | 2140 | 9099 | 9629 | 10489 | 6°/6° |
| ZM550 | 5500 | 4750 | 5700 | 6600 | 3810 | 2440 | 9319 | 9849 | 10709 | 6°/6° |
| ZM600 | 6000 | 4400 | 5400 | 6400 | 4060 | 2690 | 9414 | 9944 | 10804 | 6°/6° |

Note: (1) 5-6t: the free lift without backrest 260mm increased, (2) 7t: the free lift without backrest 180mm increased.

8.5-10t Wide View Full Free 3-Stage Mast

| Mast model | Max. fork height (mm) | Load capacity (load center 600mm)(Kg) | | Mast height lowered(mm) | | Free lift (with backrest)(mm) | | Service weight(kg) | | Mast tilting angle (°)α/β |
|------------|-----------------------|---------------------------------------|---------|-------------------------|---------|-------------------------------|---------|--------------------|---------|---------------------------|
| | | CPCD85 | CPCD100 | CPCD85 | CPCD100 | CPCD85 | CPCD100 | CPCD85 | CPCD100 | |
| ZSM360 | 3600 | 7500 | 8000 | 2450 | 2570 | 1200 | 1150 | 12241 | 13536 | 6°/12° |
| ZSM400 | 4000 | 7500 | 8000 | 2575 | 2700 | 1330 | 1280 | 12312 | 13628 | 6°/12° |
| ZSM435 | 4350 | 7400 | 7800 | 2700 | 2820 | 1450 | 1400 | 12386 | 13708 | 6°/12° |
| ZSM450 | 4500 | 7300 | 7800 | 2750 | 2870 | 1500 | 1450 | 12413 | 13748 | 6°/6° |
| ZSM480 | 4800 | 7000 | 7300 | 2850 | 2970 | 1600 | 1550 | 12474 | 13816 | 6°/6° |
| ZSM500 | 5000 | 7000 | 7300 | 2950 | 3035 | 1700 | 1615 | 12530 | 13862 | 6°/6° |
| ZSM540 | 5400 | 6600 | 6800 | 3075 | 3225 | 1830 | 1805 | 12604 | 13996 | 6°/6° |
| ZSM600 | 6000 | 5800 | 6000 | 3375 | 3425 | 2130 | 2005 | 12775 | 14136 | 6°/6° |
| ZSM650 | 6500 | 5300 | 5500 | 3600 | 3590 | 2350 | 2170 | 12905 | 14254 | 6°/6° |
| ZSM700 | 7000 | 4900 | 4600 | 3750 | 3855 | 2500 | 2435 | 12993 | 14432 | 6°/6° |

Note: 8.5-10t: free lift without backrest.

Note: The service weight in the table is the weight of the truck assembled with XICHAO engine.

5-7t Wide View Full Free 3-Stage Mast

| Mast model | Max. fork height (mm) | Load capacity (load center 600mm)(Kg) | | | Mast height lowered(mm) | Free lift (with backrest) (mm) | Service weight(kg) | | | Mast tilting angle (°)α/β |
|------------|-----------------------|---------------------------------------|--------|--------|-------------------------|--------------------------------|--------------------|--------|--------|---------------------------|
| | | CPCD50 | CPCD60 | CPCD70 | | | CPCD50/60/70 | CPCD50 | CPCD60 | |
| ZSM360 | 3600 | 4500 | 5600 | 6200 | 2335 | 910 | 9153 | 9683 | 10443 | 6°/6° |
| ZSM400 | 4000 | 4500 | 5600 | 6200 | 2460 | 1040 | 9213 | 9743 | 10503 | 6°/6° |
| ZSM435 | 4350 | 4500 | 5600 | 6200 | 2585 | 1156 | 9271 | 9801 | 10561 | 6°/6° |
| ZSM480 | 4800 | 4500 | 5600 | 6200 | 2740 | 1310 | 9468 | 9998 | 10758 | 6°/6° |
| ZSM500 | 5000 | 4500 | 5600 | 6200 | 2805 | 1380 | 9499 | 10029 | 10789 | 6°/6° |
| ZSM540 | 5400 | 4200 | 5300 | 6000 | 2940 | 1510 | 9568 | 10098 | 10858 | 6°/6° |
| ZSM600 | 6000 | 4000 | 5000 | 5600 | 3135 | 1710 | 9657 | 10187 | 10947 | 6°/6° |
| ZSM650 | 6500 | 3500 | 4500 | 5000 | 3405 | 1975 | 9746 | 10276 | 11036 | 6°/6° |
| ZSM700 | 7000 | 3200 | 4000 | 4500 | 3510 | 2085 | 9799 | 10329 | 11089 | 6°/6° |

Note: (1) 5-6t: the free lift without backrest 260mm increased, (2) 7t: the free lift without backrest 180mm increased.