



12-16 t

G Series Balance Weight Type Forklift





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Our Strength



Anhui Heli Co. Ltd., a core holding subsidiary of the forklift group, was listed in Shanghai Stock Exchange in 1996 and it is registered capital is 616.8 million. It is presently an industrial vehicle research and development, manufacturing and export base in China with large scale, complete product line and industrial chain and strong overall strength.



Position in industry

Our R&D, manufacturing and sales of industrial trucks, intelligent transport equipment and the relevant coparts, having the significant advantages of large scale, completed business chain, strong comprehensive strength and high economic benefits. the main economic indicators have maintained leading in the national industry.



The technical center of the company was honored as one of the first batch of "enterprise technical center at national level" in 1995 by National Development and Reform Commission together with other three ministers and commissions. We have complete research sectors and rich infrastructure.

Our **strength**



Key awards

In recent 5 years, New products with our independent research and development win 6 awards for scientific and technological advancement, 2 first prize wards for scientific and technological advancement in Anhui Province and 1 second prize award for scientific and technological advancement in mechanical industry.

HELI around the world

HELI ranked top 10 among the world industrial truck sector in 2006 and top 8 from 2011. HELI has autonomous sales network and sound service system with 24 provincial sales network and more than 400 second level dealers in domestic and in overseas, HELI sets up sales network in more than 80 countries and regions and our products sell to 150 countries and regions over the world in the next five years, Heli will vigorously promote the international operation and create a global famous brand.

Brand concept

With being world top 5 as the short-term goal, HELI is committed to be a world advanced and over-lasting enterprise.

Centennial HELI is our definition in thought and world top 5 is our quantized goal. HELI people work steadily and keep forging ahead to make our enterprise bigger and stronger. HELI has gone to a fast developing time since the new century. In 2006, HELI ranked world top 10. Now, we make our decision to be world top 5 which is not only a heritage of our glorious history but also our never-ending hard effort.

Heavy machine manufacturing base

Based on HELI strong scientific research platform and manufacturing ability, HELI research and develop, produce and sale heavy trucks, reach stacker and empty container handler with completed series and various types to provide customers with special material handling solutions.

Heavy truck: 12t-18t, 20-25t, 28-32t, 35t, 38-40t, 42-46t

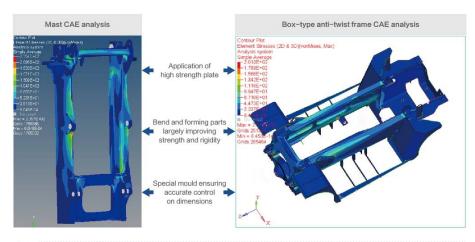
Reach stacker: standard type reach stacker, heavy type reach stacker

Container handler: 2-3 layer, 5-6 layer, 7-8 layer



Enduring and durable

A.1 Durable structure design



A.2 Easy and high efficient daily inspection

- ► Cab electric tilting system
 Automatic tilting system facilitates interior
 maintenance; Hydraulic drives tilting cylinder
 with electric assistance making cab tilt 60° right
 ward which makes maintenance easy.
- ► Engine hood with large opening angle
 Open type engine hood which can be open
 through two self-lock spring ensures easy and
 high efficient maintenance.



Easy liquid adding and check

Cooling liquid adding and check, fuel adding, level check, oil-water separator replacement, engine oil adding and check and hydraulic oil level check become easier.









Easy fuel adding and check



 Easy hydraulic oil level and quality (hydraulic oil level gauge)



 Easy oil-water separator replacement and maintenance

Easy engine oil adding and check

A3 Improved protection performance

- ► Oil cylinder protection sleeve
- ► Electric tilting button with high dust-proof and water-proof degree
- ▶ Improved harness protection degree
- ▶ Dust-proof and water-proof plus and sockets
- Dust-proof vent
- ► High strength aluminum plate fin type radiator
- ► Improved fuel pipe safety degree



 Oil cylinder protection sleeve(optional): it is used to protect cylinder damaged
 Electric tilting button with high dust-proof and water-proof degree: protecting from foreign matters





Front axle dust proof vent



Transmission box dust proof vent



■ High strength fin type structure will not deform or crack

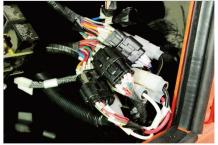
Exterior injection molding treatment---anti-corrosion and oxidation resistance.



Dust-proof sleeve for electric cabinet



Molding steel pipe is used for oil suction pipe improving safety degree largely.



Dust proof and water proof sockets and plugs: protection degree IP65



 \blacksquare Harness meets German standard and its temperature resistance ability is largely improved (.40°C-105°C) .

A4 Improved cooling efficiency

- ► Optimal designed channel
- ► Reasonable layout of radiator's fins
- Optimal designed fan



Optimal designed channel
 Optimal designed radiator and channel make cooling system have small resistance, avoid air flowing back effectively and improve cooling efficiency.



Optimal designed fan
 Axial fan with multiple blade, enough blast capacity and
 pressure and consume power is special for G series based on
 a large number of comparative tests.



B

Energy saving and environment friendly

B.1 High efficient matching, forceful power

► Cummins QSB6.7 engine

Six cylinder four stroke turbocharged engine which is powerful, reliable, and economic and meets EU Stage V/T4F/China Stage IV is assembled on the truck.



➤ ZF transmission box

Smooth gear shifting without shock.

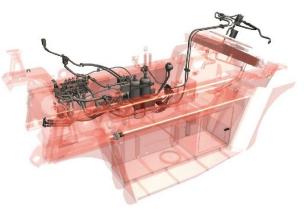
Intelligent gear shifting mode is easier.

High efficient power match is more energy saving.



B.2 Hydraulic dynamic load variable control system

It can adjust oil pump displacement automatically according to operator habit and load condition to achieve high precision flow control and energy saving.



B.3 Intelligent sensitive thermal management system

- ▶ Four in one compound radiator effectively integrates resource and saves space.
- Real time thermal managing system monitors cooling medium temperature curve of the completed truck and fan multilevel speed changing is
- achieved.

 The truck is heated quickly in winter and in summer, the system power consumption is more reasonable.
- The system saves 10% of the energy and consumption in low temperature area is 15% reduced.
- ▶ Better matching design; multilevel fan speed; outstanding noise reducing effect.



Intelligent sensitive thermal management system

- Electric control system
- Real time thermal managing system monitors cooling medium temperature curve of the completed truck to control fan speed.
- Hydraulic system
- Fan is powered by separated power which is different from traditional direct connection fan to achieve fan multilevel sped changing.
- Cooling system
- Four in one compound radiator; optimized air channel and fan the air duct and the fan.

B.4 Light type design

- ▶ Rear counter weight has no air channel and counter weight use ratio is 5% increased and thus truck service weight is reduced.
- ▶ Light type design optimizes structure and the truck is lighter and more stable.



- Counter weight no air channel design Special cooling system layout and temperature control system are adopted on G series truck. rear counter weight has no air channel and counter weight use ratio is increased and thus truck service weight is reduced.
- Light type design
- · Application of high strength material.
- · Years of data accumulation and accurate CAE
- · Constant structure optimization.

Comfort and convenient



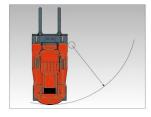
C.1 Easy get on-off

- Large getting on off pedal and handrail Open type steps make easy and safe get on-off.
- Anti-skid pedal
- Anti-skid aluminous pedal has good anti-skid performance.
- Auxiliary handrail Solid and durable



C.2 Smaller turning radius

 Smaller turning radius Compact frame design Optimized steering angle



C.3 Mast lower buffering

 Mast lower buffering Reduce the shock when lowering

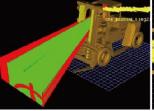


C.4 Superior view

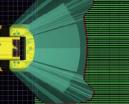
- Superior front view Front glass with large arc is used and front view field angle is 10° increased.
- Superior top view
 Large glass is used on the top of cab.
- Superior rear view 1200mmx900mm glass is used at the rear end of cab.
- Glass for left and right side window 4 pieces of glass is used on left and right door to ensure 360° view.
- Professional ergonomics view analysis











12

Rear view check



C.5 More comfort driving experience

special cab with 360° view







 Moveable dashboard Most reasonable relative position is set between dashboard and seat SIP point through optimized ergonomic and multiple test. Dashboard and seat can be moved together to meet different driving



Weighting system(optional) hydraulic pressure.



 Backward radar Weight can be measured accurately through checking Monitor is achieved through reasonable distributed 6 Larger monitoring range



Fully suspension seat



 Adjustable steering wheel bears your weight but also provides steady driving habit and easy and flexible steering largely reduces working.



 Pedal optimized layout Adjustable damping shock reducing design not only Steering wheel can be adjusted according to operator Optimized pedal reduces fatigue during long time



■ Temperature control system through multiple Fully sealed cab controls temperature in the cab high efficiently and multiple channels cross ventilation keep the temperature in the cab stable.



 Flexible control knob Accurate, safe and effective control can be achieved through small operation force.

D

Safe and high efficient



D.1 Better stability

- ► Smaller front overhang
- · More compact mast structure
- ▶ Retroposition of center of gravity
- · Retroposition of power system
- · Retroposition of cooling sytem
- · No air channel on the balance weight

D.2 ops

► OPS for the whole truck

Truck power will be cut automatically and the truck can not be operated when operator is away from seat.

OPS system for mast

The mast is locked and can not be operated when operator is away from seat.



D.3 Wet type drive axle



▶ Maintenance free

Specially designed structure and brake principle provides anti-dust and anti-water function and saves your maintenance cost.

▶ Safe and reliable brake

Working requirements such as Long time, high duty, short distance or frequent brake can be satisfied.

D₄ High efficient working



► High efficient operation

- · Hydraulic pilot long distance control provide high operation accuracy and quick response.
- · Integrated dashboard makes operation easy.
- · Reasonable ergonomics layout provides you human-machine friendly operating experience.

▶ High efficient performance

- · Faster working speed
- · Better gradeability
- · Forceful power output provides truck better acceleration performance and gradeability.



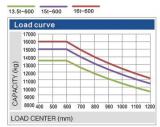


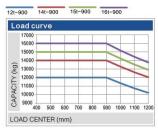
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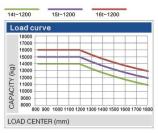
Technical parameters

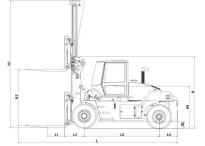
Tec	Technical parameters											
01	Model	Unit	CPCD120-C2Z-09	CPCD135-C2Z-06	CPCD150-C2Z-06	CPCD160-C2Z-06	CPCD140-C2Z-09	CPCD150-C2Z-09	CPCD160-C2Z-09	CPCD140-C2Z-12	CPCD150-C2Z-12	CPCD160-C2Z-12
02	Ratedload	t	12	13.5	15	16	14	15	16	14	15	16
03	The mass	kg	17800	17800	18400	18800	20500	21000	21500	21400	22200	23000
04	Maximum lifting speed (loaded/unloaded)	mm/s	360/380	360/380	350/380	350/380	370/400	370/400	370/400	370/400	370/400	370/400
05	Maximum speed (loaded/unloaded)	km/h	24/26	24/26	25/27	25/27	26/27	26/27	26/27	27/28	26/27	24/26
06	Gradeability (loaded/unloaded) (3km/h)	%	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25

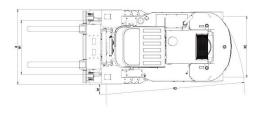
Size parameters												
01 Model		Unit	CPCD120-C2Z-09	CPCD135-C2Z-06	CPCD150-C2Z-06	CPCD160-C2Z-06	CPCD140-C2Z-09	CPCD150-C2Z-09	CPCD160-C2Z-09	CPCD140-C2Z-12	CPCD150-C2Z-12	CPCD160-C2Z-12
02 Overall length	L		6705	6255	6265	6265	7105	7105	7105	7975	7975	7975
03 Overall width	W	mm	2560	2560	2560	2560	2560	2560	2560	2560	2560	2560
04 Overall height	н	mm	3410	3410	3425	3425	3340	3340	3340	3340	3340	3340
05 Load center distance	L1	mm	900	600	600	600	900	900	900	1200	1200	1200
06 Wheelbase	L2	mm	3250	3250	3250	3250	3500	3500	3500	3750	3750	3750
07 Front overhang	L3	mm	785	785	795	795	925	925	925	930	930	930
08 Rear overhang	L4	mm	850	850	850	850	850	850	850	850	850	850
09 Minimum underground clearance	H2	mm	285	285	285	285	285	285	285	285	285	285
10 Seat height	H4	mm	1970	1970	1985	1985	1985	1985	1985	1985	1985	1985
11 Turning radius (inside)	R1	mm	220	220	220	220	220	220	220	220	220	220
12 Turning radius(outside)	R2	mm	4450	4450	4500	4500	4750	4750	4750	5100	5100	5100
13 Fronttrack	W1	mm	1888	1888	1888	1888	1895	1895	1895	1895	1895	1895
14 Reartrack	W2	mm	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
15 Mast height (retracted/extended)	H/H1	mm	3410/4910	3410/4910	3425/4925	3425/4925	3340/4840	3340/4840	3340/4840	3340/4840	3340/4840	3340/4840
16 Mast lifting height	НЗ	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
17 Mast tilting angle (forward/backward)	α/β	deg	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
18 Fork dimension (length*width*thickness)		mm	1820 × 200 × 85	1370 × 200 × 85	1370 × 200 × 85	1370×200×85	1820×200×95	1820 × 200 × 95	1820 × 200 × 95	2440x200x100	2440x200x100	2440x200x100
19 Fork adjusting range		mm	500-2370	500-2370	500-2370	500-2370	610-2150	610-2150	610-2150	610-2150	610-2150	610-2150











	t forklift truck (ultimate version)–Standa	Load capacity (lode center 900mm)(kg)	Load capacity (lode center 600mm)(kg)				
ast model	Max.lifting height (mm)	CPCD120	CPCD135	Overall height of mast (mm)	Max.mast height(mm)	Mast tilt angle α/β (°)	
M300	3000	12000	13500	3410	4910	6/12	
M350	3500	12000	13500	3480	5230	6/12	
M400	4000	12000	13500	3730	5730	6/12	
M450	4500	12000	13500	3980	6230	6/12	
M500	5000	12000	13500	4280	6780	6/6	
M550	5500	11000	12500	4530	7280	3/6	
M600	6000	10000	11500	4830	7830	3/6	
M650	6500	9000	10500	5080	8330	3/6	
Corios 15 16t li	ight type forklift truck (ultimate version)	- Ctandard Most					
Series 15-16th	ight type forkillt truck (ultimate version)	AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I	de center 600mm)(kg)				
fast model	Max.lifting height (mm)	CPCD150	CPCD160	Overall height of mast (mm)	Max.mast height(mm)	Mast tilt angle α/β (°)	
M300	3000	15000	16000	3425	4925	6/12	
M350	3500	15000	16000	3495	5245	6/12	
M400	4000	15000	16000	3745	5745	6/12	
M450	4500	15000	16000	3995	6245	6/12	
M500	5000	15000	16000	4295	6795	6/6	
M550	5500	14000	15000	4545	7295	3/6	
M600	6000	13000	14000	4845	7845	3/6	
M650	6500	12000	13000			nener .	
		12000	13000	5095	8345	3/6	
		· ·	13000	5095	8345	3/6	
Series 14-16t s	standard type forklift truck (ultimate ver	sion)-Standard Mast		5095	8345	3/6	
	standard type forklift truck (ultimate ver	sion)-Standard Mast Load capacity (lo	de center 900mm)(kg)	5095 Overall height of mast (mm)			
Mast model	standard type forklift truck (ultimate ver	sion)-Standard Mast Load capacity (lo CPCD140 CF	de center 900mm)(kg) PCD150 CPCD160	Overall height of mast (mm)	Max.mast height(mm)	Masttiltangle α/β (°)	
Mast model M300	standard type forklift truck (ultimate vers Max.lifting height (mm) 3000	Load capacity (lo CPCD140 CF 14000	de center 900mm)(kg) PCD150 CPCD160 15000 16000	Overall height of mast (mm)	Max.mast height(mm) 4840	Masttiltangle α/β (°)	
Mast model M300 M350	standard type forklift truck (ultimate vers Max.lifting height (mm) 3000 3500	Load capacity (lo CPCD140	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000	Overall height of mast (mm) 3340 3590	Max.mast height(mm) 4840 5340	Masttiltangle α/β (°) 6/12 6/12	
M300 M350 M400	Max.lifting height (mm) 3000 3500 4000	Load capacity (lo CPCD140 CF	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000	Overall height of mast (mm) 3340 3590 3840	Max.mast height(mm) 4840 5340 5840	Masttilt angle α/β (°) 6/12 6/12 6/12	
Mast model M300 M350 M400 M450	Max.lifting height (mm) 3000 3500 4000 4500	Load capacity (lo CPCD140 CPCD140 14000 14000 14000 14000	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000	Overall height of mast (mm) 3340 3590 3840 4090	Max.mast height(mm) 4840 5340 5840 6340	Masttiltangle α/β (°) 6/12 6/12 6/12 6/12	
M300 M350 M400 M450 M500	Max.lifting height (mm) 3000 3500 4000 4500 5000	Load capacity (lo CPCD140 CPCD140 14000 14000 14000 14000 14000 14000	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000	Overall height of mast (mm) 3340 3590 3840 4090 4340	Max.mast height(mm) 4840 5340 5840 6340 6840	Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12 6/12 6/6	
Mast model M300 M350 M400 M450 M500 M550	Max.lifting height (mm) 3000 3500 4000 4500 5000 5500	Load capacity (lo CPCD140 CPCD140 14000 14000 14000 14000 14000 13000	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 15000 15000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590	Max.mast height(mm) 4840 5340 5840 6340 6840 7340	Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12 6/12 6/6 3/6	
M300 M350 M400 M450 M450 M500 M550 M600	Max.lifting height (mm) 3000 3500 4000 4500 5000 5500 6000	Load capacity (lo CPCD140 CF 14000 14000 14000 14000 14000 110000 1100000 110000 11000 11000 11000 11000 11000 11000 11000 11000 11000 1	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 14000 15000 14000 15000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590 4840	Max.mast height(mm) 4840 5340 5840 6340 6840 7340 7840	Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12 6/12 6/6 3/6 3/6	
Mast model M300 M350 M400 M450 M500 M550	Max.lifting height (mm) 3000 3500 4000 4500 5000 5500	Load capacity (lo CPCD140 CF 14000 14000 14000 14000 14000 110000 1100000 110000 11000 11000 11000 11000 11000 11000 11000 11000 11000 1	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 15000 15000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590	Max.mast height(mm) 4840 5340 5840 6340 6840 7340	Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12 6/12 6/6 3/6	
Mast model M300 M350 M400 M450 M500 M550 M600 M650	Max.lifting height (mm) 3000 3500 4000 4500 5000 5500 6000	Load capacity (lo CPCD140 CPCD140 14000 14000 14000 14000 14000 14000 14000 11000 12000 11000	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 14000 15000 14000 15000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590 4840	Max.mast height(mm) 4840 5340 5840 6340 6840 7340 7840	Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12 6/12 6/6 3/6 3/6	
Mast model M300 M350 M400 M450 M500 M550 M600 M650	Max.lifting height (mm) 3000 3500 4000 4500 5000 5500 6000 6500	Load capacity (lo CPCD140 CF	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 14000 15000 14000 15000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590 4840 5090	Max.mast height(mm) 4840 5340 5840 6340 6840 7340 7840 8340	Masttilt angle α/β (°) 6/12 6/12 6/12 6/12 6/12 6/6 3/6 3/6 3/6	
Mast model M300 M350 M400 M450 M550 M500 M550 M600 M650	Max.lifting height (mm) 3000 3500 4000 4500 5000 5500 6000 6500	Load capacity (load	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 15000 15000 14000 15000 13000 14000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590 4840	Max.mast height(mm) 4840 5340 5840 6340 6840 7340 7840	Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12 6/12 6/6 3/6	
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Mast model M300 M350 M400 M450 M500 M550 M600 M650 Series 14–16t H	Max.lifting height (mm) 3000 3500 4000 4500 5000 5500 6000 6500 meavy-load type forklift truck (ultimate v	Load capacity (lo CPCD140	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 14000 15000 14000 15000 14000 13000 14000 13000 14000 15000 14000 15000 15000 16000 15000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590 4840 5090 Overall height of mast (mm)	Max.mast height(mm) 4840 5340 5840 6340 6840 7340 7840 8340 Max.mast height(mm)	Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12 6/6 3/6 3/6 3/6 Mast tilt angle α/β (°)	
Mast model M300 M350 M400 M450 M500 M550 M600 M650 Series 14–16t h Mast model M300	Max.lifting height (mm) 3000 3500 4000 4500 5000 5500 6000 6500 meavy-load type forklift truck (ultimate v	Load capacity (lo CPCD140	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 15000 15000 14000 15000 14000 15000 14000 15000 14000 15000 14000 15000 15000 16000 15000 16000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590 4840 5090 Overall height of mast (mm)	Max.mast height(mm) 4840 5340 5840 6340 6840 7340 7840 8340 Max.mast height(mm)	Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12 6/6 3/6 3/6 3/6 Mast tilt angle α/β (°)	
Mast model M300 M350 M400 M450 M500 M550 M600 M650 Series 14–16t h Mast model M300 M350	Max.lifting height (mm) 3000 3500 4000 4500 5000 5500 6000 6500 meavy-load type forklift truck (ultimate v	Load capacity (lo CPCD140	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 15000 15000 14000 15000 14000 15000 14000 15000 14000 15000 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590 4840 5090 Overall height of mast (mm) 3340 3590	Max.mast height(mm) 4840 5340 5840 6340 6840 7340 7840 8340 Max.mast height(mm) 4840 5340	Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12 6/6 3/6 3/6 3/6 Mast tilt angle α/β (°)	
Mast model M300 M350 M400 M450 M500 M550 M600 M650 Series 14–16t Mast model M300 M350 M400	Max.lifting height (mm) 3000 3500 4000 4500 5500 6000 6500 meavy-load type forklift truck (ultimate vertically truck (ultimate	Load capacity (local capacit	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 14000 15000 14000 15000 14000 15000 14000 15000 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590 4840 5090 Overall height of mast (mm) 3340 3590 3840	Max.mast height(mm) 4840 5340 5840 6340 6840 7340 7840 8340 Max.mast height(mm) 4840 5340 5840	Mast tilt angle $α/β$ (°) 6/12 6/12 6/12 6/12 6/6 3/6 3/6 3/6 Mast tilt angle $α/β$ (°) 6/12 6/12 6/12	
Mast model M300 M350 M400 M450 M500 M550 M600 M650 G Series 14–16t Mast model M300 M350 M400 M450	Max.lifting height (mm) 3000 3500 4000 4500 5500 6000 6500 meavy-load type forklift truck (ultimate vertically and the companies of the comp	Load capacity (loc CPCD140 CF 14000	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 14000 15000 14000 15000 14000 15000 14000 15000 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590 4840 5090 Overall height of mast (mm) 3340 3590 3840 4090	Max.mast height(mm) 4840 5340 5840 6340 6840 7340 7840 8340 Max.mast height(mm) 4840 5340 5840 6340	Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12 6/6 3/6 3/6 3/6 Mast tilt angle α/β (°) 6/12 6/12 6/12 6/12	
Mast model M300 M350 M400 M450 M500 M650 M650 G Series 14–16t Mast model M300 M350 M400 M450 M500	Max.lifting height (mm) 3000 3500 4000 4500 5500 6000 6500 meavy-load type forklift truck (ultimate vertically truck) Max.lifting height (mm) 3000 3500 4000 4500 5000	Load capacity (lo CPCD140	de center 900mm)(kg) PCD150 CPCD160 15000 16000 15000 16000 15000 16000 15000 16000 14000 15000 14000 15000 14000 15000 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000 15000 16000	Overall height of mast (mm) 3340 3590 3840 4090 4340 4590 4840 5090 Overall height of mast (mm) 3340 3590 3840 4090 4340	Max.mast height(mm) 4840 5340 5840 6340 6840 7340 7840 8340 Max.mast height(mm) 4840 5340 5840 6340 6840	Masttiitangle α/β (°) 6/12 6/12 6/12 6/12 6/6 3/6 3/6 3/6 3/6 3/6 4 Masttiitangle α/β (°) 6/12 6/12 6/12 6/12 6/12 6/12 6/12 6/16	

Configurations

Vehicle	e configu	uration										
1		Truck model	CPCD120-C2Z-09	CPCD135-C2Z-06	CPCD150-C2Z-06	CPCD160-C2Z-06	CPCD140-C2Z-09	CPCD150-C2Z-09	CPCD160-C2Z-09	CPCD140-C2Z-12	CPCD150-C2Z-12	CPCD160-C2Z-12
	Engine	Brand	CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS
		Model	QSB6.7	QSB6.7	QSB6.7	QSB6.7	QSB6.7	QSB6.7	QSB6.7	QSB6.7	QSB6.7	QSB6.7
		Rated power (kw/rpm)	129/2200	129/2200	129/2200	129/2200	149/2200	149/2200	149/2200	149/2200	149/2200	149/2200
2 Eng		Rated torque (nm/rpm)	881/1300	881/1300	881/1300	881/1300	990/1500	990/1500	990/1500	990/1500	990/1500	990/1500
		Emission standard	EU Stage V/T4F/China Stage IV	EU Stage V/T4F/China Stage IV	EUStageV/T4F/China StageIV	EUStageV/T4F/ChinaStageIV	EU Stage V/T4F/China Stage IV	EUStageV/T4F/ChinaStageIV	EUStageV/T4F/ChinaStageIV	EUStage V/T4F/China Stage IV	EU Stage V/T4F/China Stage IV	EUStage V/T4F/China Stage
		Emission Technology Route	DOC+DPF+SCR	DOC+DPF+SCR	DOC+DPF+SCR	DOC+DPF+SCR	DOC+DPF+SCR	DOC+DPF+SCR	DOC+DPF+SCR	DOC+DPF+SCR	DOC+DPF+SCR	DOC+DPF+SCR
	Гапk	Fueltank(L)	280	280	280	280	385	385	385	475	475	475
3 Tan		Hydraulic oil tank(L)	285	285	285	285	350	350	350	460	460	460
		Urea tank (L)	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
04 Tran	nsmission	Model	ZF131	ZF131	ZF131	ZF131	ZF171	ZF171	ZF171	ZF171	ZF171	ZF171
5 Driv	ve axle	Model	Meritor drive axle	Meritor drive axle	Meritor drive axle	Meritor drive axle	Kessler	Kessler	Kessler	Kessler	Kessler	Kessler
6 Tire	э	Size	11.00-20	11.00-20	12.00-20	12.00-20	12.00-20	12.00-20	12.00-20	12.00-20	12.00-20	12.00-20
	Auxiliary configuration	Backward radar	•	•	•	•	•	•	•	•	•	•
		Backward image	•	•	•	•	•	•	•	•	•	•
O7 Aux		Weighting system	0	0	0	0	0	0	0	0	0	0
		Ops for the whole truck	•	•	•	•	•	•	•	•	•	•
		Ops for mast	•	•	•	•	•	•	•	•	•	•
. Hvo	draulic	Consistent rate system	•	•	•	•	/	/	/	/	/	/
sys	tem	Variable system	/	/	/	1	•	•	•	•	•	•
9 Airc	conditioner	Air conditioner	•	•	•	•	•	•	•	•	•	•
		Pneumatic tyre	•	•	•	•	•	•	•	•	•	•
10 -	Tyre	Solid tyre	0	0	0	0	0	0	0	0	0	0
Tyre		Solid tyre (front), pneumatic tyre (rear)	0	0	0	0	0	0	0	0	0	0
		Pneumatic tyre (front), solid tyre (rear)	0	0	0	0	0	0	0	0	0	0
11 Cab	0	Tilting cab	•	•	•	•	•	•	•	•	•	•

^{●-}Standard item ○-Optional item /-Not used

Our products are subject to the improvements and changes without notice.

The picture in the brochure may not be the standard model of this type. The configuration and color of the product in the picture may be different from the actual machine. Please adhere to the actual machine.



Mast



Standard type mast

It is suitable for normal working condition. It has changeable tread and high fatigue resistance ability.



■ Two-stage full free mast

It is suitable for narrow working conditions in doors, cabin and dwarf door. Extraposition lifting cylinder provides better view.



■ Three-stage full free mast

The truck has larger lifting height and lower truck height and thus it is safer.

HELI smart fleet management system

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



Attachments



Fork positioner

It is easy and quick with two forks adjusting powered by hydraulic.



Side shifting fork positioner

It has both space adjusting and side shifting functions to improving working efficiency.



Side shifte

Side shifting and space adjusting function are separated from each other to achieve quick respond.



Fork extension

It effectively extends fork and it is suitable for large size handling.



Carpet boom

It is suitable for roll type goods such as steel roll, wire roll and so on.



Crane jib

It is safe and high efficient to lift goods.



Slings

It is suitable for goods in bundle such as rebar, steel tube and so on.