

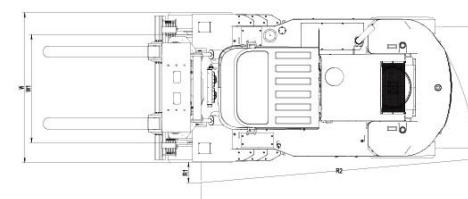
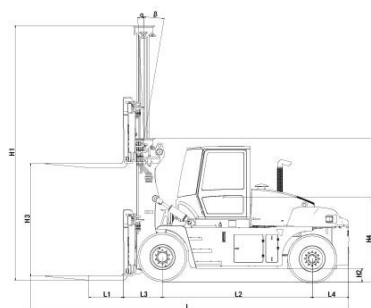
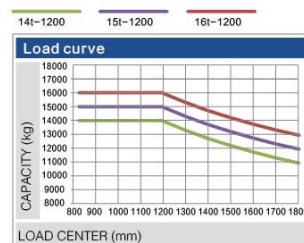
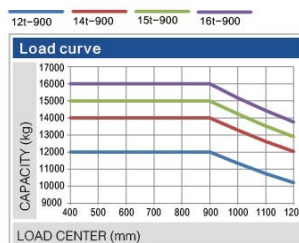
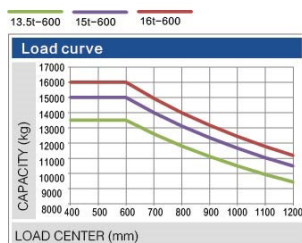
Technical parameters

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	Rated load	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	H 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	Front track	W1 mm	1888	1888	1888	1888	1895	1895	1895	1895	1895	1895
14	Rear track	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	H3 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



G Series 12–13.5t forklift truck (ultimate version)–Standard Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 900mm)(kg)		Overall height of mast (mm)	Max.mast height(mm)	Mast tilt angle α/β (°)
		CPCD120	CPCD135			
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

G Series 15–16t light type forklift truck (ultimate version) –Standard Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Overall height of mast (mm)	Max.mast height(mm)	Mast tilt angle α/β (°)
		CPCD150	CPCD160			
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	5095	8345	3/6

G Series 14–16t standard type forklift truck (ultimate version)–Standard Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 900mm)(kg)			Overall height of mast (mm)	Max.mast height(mm)	Mast tilt angle α/β (°)
		CPCD140	CPCD150	CPCD160			
M300	3000	14000	15000	16000	3340	4840	6/12
M350	3500	14000	15000	16000	3590	5340	6/12
M400	4000	14000	15000	16000	3840	5840	6/12
M450	4500	14000	15000	16000	4090	6340	6/12
M500	5000	14000	15000	16000	4340	6840	6/6
M550	5500	13000	14000	15000	4590	7340	3/6
M600	6000	12000	13000	14000	4840	7840	3/6
M650	6500	11000	12000	13000	5090	8340	3/6

G Series 14–16t heavy-load type forklift truck (ultimate version)–Standard Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 1200mm)(kg)			Overall height of mast (mm)	Max.mast height(mm)	Mast tilt angle α/β (°)
		CPCD140	CPCD150	CPCD160			
M300	3000	14000	15000	16000	3340	4840	6/12
M350	3500	14000	15000	16000	3590	5340	6/12
M400	4000	14000	15000	16000	3840	5840	6/12
M450	4500	14000	15000	16000	4090	6340	6/12
M500	5000	14000	15000	16000	4340	6840	6/6
M550	5500	13000	14000	15000	4590	7340	3/6
M600	6000	12000	13000	14000	4840	7840	3/6
M650	6500	11000	12000	13000	5090	8340	3/6

F Configurations

Vehicle configuration											
01	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
02	Engine	Brand	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
		Rated power (kw/rpm)	129/2200	129/2200	129/2200	129/2200	149/2200	149/2200	149/2200	149/2200	149/2200
		Rated torque (nm/rpm)	881/1300	881/1300	881/1300	881/1300	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	EU Stage V/T4F/China Stage IV	EU Stage V/T4F/China Stage IV	EU Stage V/T4F/China Stage IV	EU Stage V/T4F/China Stage IV	EU Stage V/T4F/China Stage IV	EU Stage V/T4F/China Stage IV	EU Stage V/T4F/China Stage IV
		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
03	Tank	Fuel tank(L)	280	280	280	280	385	385	385	475	475
		Hydraulic oil tank(L)	285	285	285	285	350	350	350	460	460
		Urea tank (L)	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
04	Transmission	Model	ZF131	ZF131	ZF131	ZF131	ZF171	ZF171	ZF171	ZF171	ZF171
05	Drive axle	Model	Meritor drive axle	Meritor drive axle	Meritor drive axle	Meritor drive axle	Kessler	Kessler	Kessler	Kessler	Kessler
06	Tire	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
07	Auxiliary configuration	Backward radar	●	●	●	●	●	●	●	●	●
		Backward image	●	●	●	●	●	●	●	●	●
		Weighting system	○	○	○	○	○	○	○	○	○
		Ops for the whole truck	●	●	●	●	●	●	●	●	●
		Ops for mast	●	●	●	●	●	●	●	●	●
08	Hydraulic system	Consistent rate system	●	●	●	●	/	/	/	/	/
		Variable system	/	/	/	/	●	●	●	●	●
09	Air conditioner	Air conditioner	●	●	●	●	●	●	●	●	●
10	Tyre	Pneumatic tyre	●	●	●	●	●	●	●	●	●
		Solid tyre	○	○	○	○	○	○	○	○	○
		Solid tyre (front), pneumatic tyre (rear)	○	○	○	○	○	○	○	○	○
		Pneumatic tyre (front), solid tyre (rear)	○	○	○	○	○	○	○	○	○
11	Cab	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.

G/ Configuration

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. Extrapolation 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 shifter**
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.