

Creating a **E** Better Future



Liuzhou Liugong Forklift Co., Ltd.
No. 1 Yanghe Avenue, Yanghe Industrial New Zone,
Liuzhou City, Guangxi Zip Code (P): 545006
Sales Hotline (T): 0772-2040713
Service Hotline (T): 0772-2040720/ 0772-2040721
E-mail (E): liugonglrs@liugong.com
Website (W): www.lgforklift.cn



Official website (OW)



Media Platform (MP)

LG-PB-CPCD160E -2310

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**12-18T Counter-Balanced
Internal Combustion Forklift**

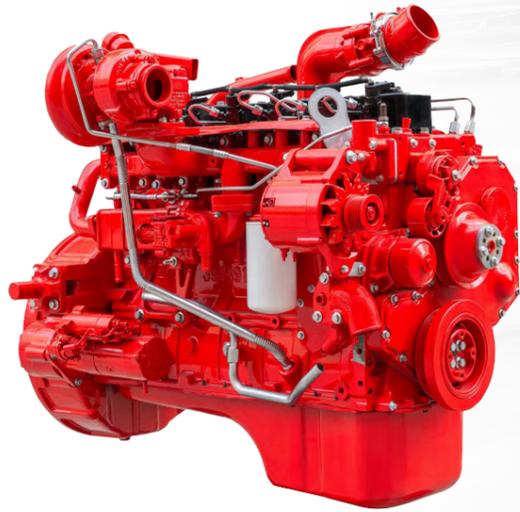


- [Safe and Reliable]**
- [Comfortable Operation]**
- [ENERGY-SAVING AND ENVIROMENT-FRIENDLY]**
- [EASY MAINTENANCE]**

TOUGH WORLD.TOUGH EQUIPMENT.

Safe and Reliable

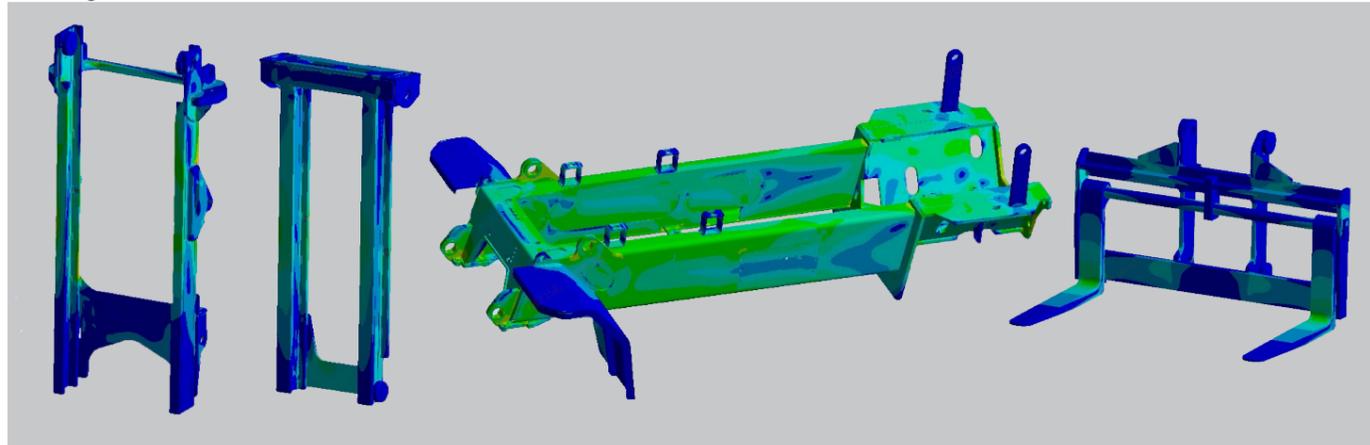
- Cummins Engine
- LiuGong automatic gearshift transmission with independent intellectual property rights and over 10,000 units in the market;
- LiuGong's optional wet brake drive axle with 20,000 marketed units and superb load carrying capacity;
- Four-in-one combined single-layer radiator ensures continuous operation under extreme working conditions such as high temperatures.



Comfortable Operation



- Hydraulic braking system ensures safe and smooth parking;
- The OPS system (optional configuration) brings greater safety;
- The structural parts designed and manufactured through CAE simulation analysis feature super durability and longer service life.

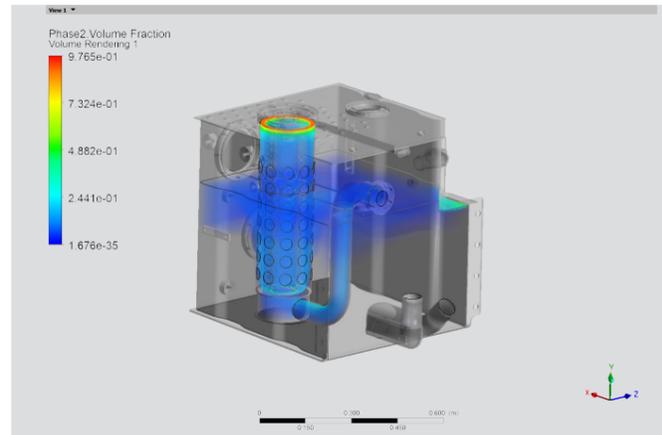
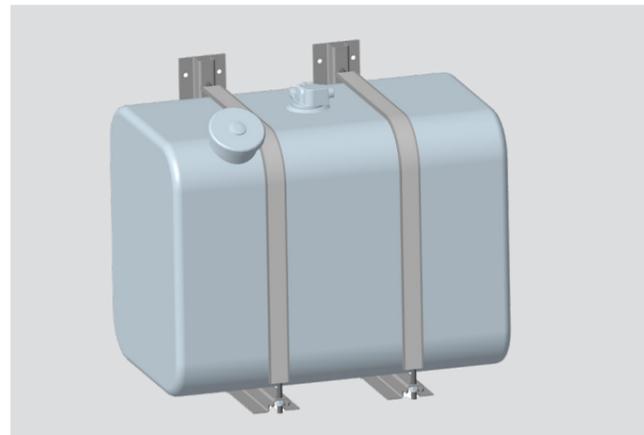


- Heavy duty clear-view mast with excellent visibility;
- Suspended overhead guard improves the driving comfort;
- Automatic transmission with electric drive shift, independent intellectual property rights, silky smooth gearshift for better driving experience.



ENERGY-SAVING AND ENVIROMENT-FRIENDLY

- LiuGong patented hydraulic defoaming technology lowers the temperature of hydraulic oil, Prolonged oil change intervals, and increase the service life of hydraulic components;
- Aluminum alloy fuel tank ensures the cleanness of diesel fuel and guarantees long service life of engine components.



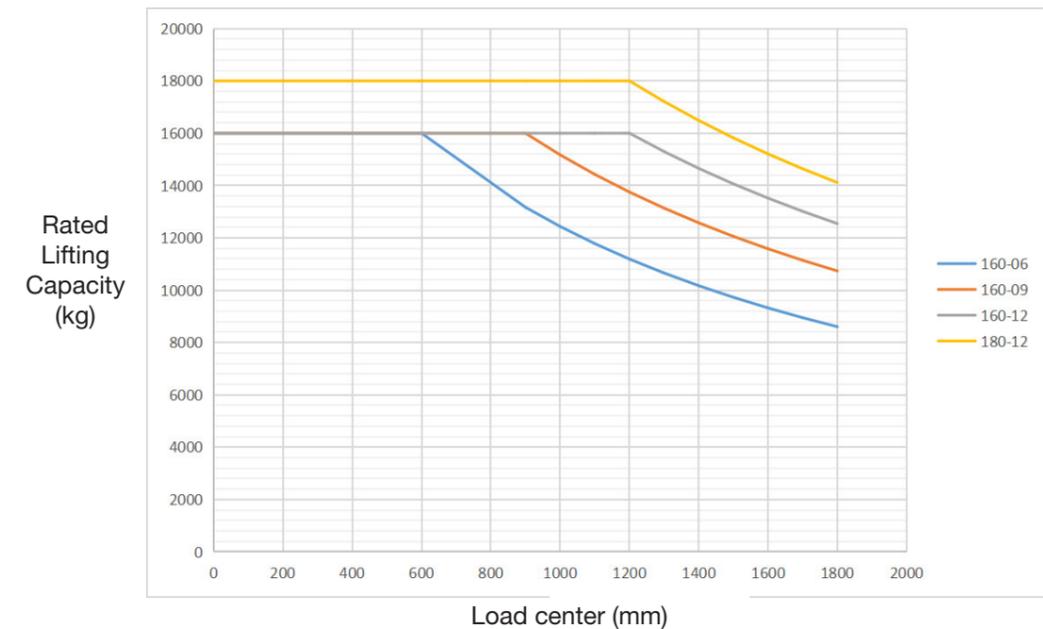
EASY MAINTENANCE

- Centralized access to the electronic control cabinet, open the hood to expose the air filter, oil filter and other maintenance parts are all within reach and easy maintenance.



MAST AND CAPACITY INFORMATION

Mast type	Max. Lift Height (mm)	Mast height (mm)	Mast tilt (°)	Free lift height (mm)	Load capacity (Load center distance 600mm) (kg)	Machine weight (with standard fork) (kg)
					With standard fork	
Standard 2-stage mast	3000	3365	6/12	0	16000	19700
	3500	3495	6/12	0	16000	19765
	4000	3745	6/12	0	16000	19973
	4500	3995	6/12	0	16000	20081
	5000	4295	6/6	0	16000	20213
	5500	4545	3/6	0	15000	20320
	6000	4845	3/6	0	14000	20461
	6500	5095	3/6	0	13000	20477



Description:

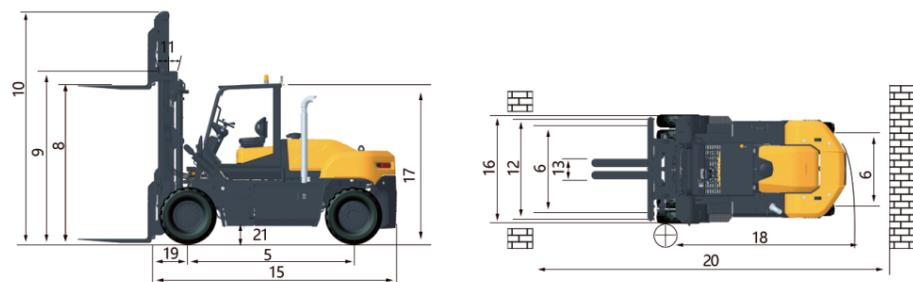
The vertical axis means the rated lifting capacity, and the horizontal axis means the load center. The load center is calculated from the front of the fork. The base point of the standard load refers to the center of a cube with a side length of 1,200 mm.

The rated lifting capacity will be reduced when the mast is tilted forward, non-standard forks are used, or the loads exceeding normal width are loaded.

Users can refer to the rated lifting capacity curve for the rated lifting capacity at various load centers.

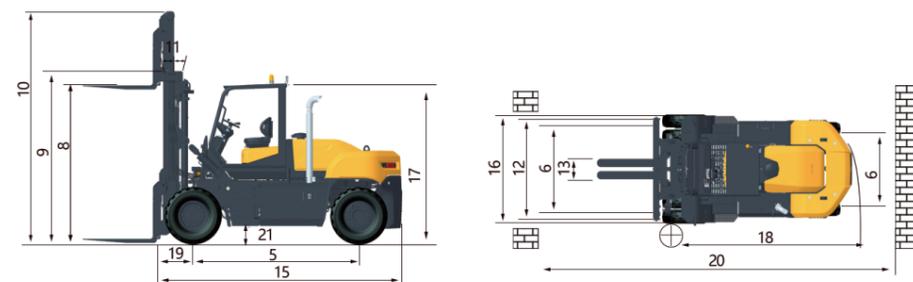
PRODUCT SPECIFICATIONS

Characteristics	Configuration No		09		06	
	Model	1		CPCD120		CPCD135
Power Type	2		Diesel		Diesel	
Rated lifting capacity	3	Rated load center distance	kg	12000	13500	
Rated load center distance	4		mm	900	600	
Wheel base	5		mm	3250	3250	
Track	6	Front wheel/rear wheel	mm	1975/1935	1975/1935	
Weight	Service weight	7	No-load	kg	19300	18750
Mast	Maximum lifting height	8	Two-stage standard mast	mm	3000	3000
	Height, upright lowered	9	Two-stage standard mast	mm	3365	3365
	Height, upright extended	10	Two-stage standard mast	mm	4865	4865
	Mast tilt, fwd/back	11	Two-stage standard mast	°	6°/12°	6°/12°
	Fork carriage	12	Width	mm	2490	2490
Fork spread	13	Min/Max	mm	500-2370	500-2370	
Fork dimension	14	Thickness x width x length	mm	85 x 200 x 1820	85 x 200 x 1370	
Chassis	Length to fork face	15	Two-stage standard mast	mm	4906	4906
	Overall width	16		mm	2663	2663
	Overhead guard height	17		mm	3106	3106
	Min. turning radius	18		mm	4650	4650
	Front overhang	19		mm	796	796
	Right angle stack	20		mm	7200	7200
Minimum ground clearance	21	At mast (no-load)	mm	275	275	
Performance	Travel speed	22	Full load/unloaded	km/h	26/30	26/30
	Lift speed	23	Full load/unloaded	mm/s	370/390	370/390
	Lower speed	24	Full load/unloaded	mm/s	400	400
	Maximum gradeability	25	Full load/unloaded	%	26/30	26/30
	Service brake	26			Hydraulic Brake	Hydraulic Brake
Parking	27			Hydraulic release mechanical lock	Hydraulic release mechanical lock	
System Configuration:	Brand	28			YUCHAI/Cummins	YUCHAI/Cummins
	Model	29			6J175-S300/B7T3-129A1	6J175-S300/B7T3-129A1
	Emission stage	30			Euro III	Euro III
	Number of cylinder	31			6	6
	Displacement	32	L		6.7	6.7
	Rated Power	33	kW/rpm		129/2200	129/2200
	Max.torque	34	N.m/rpm		750/1400 800/1400	750/1400 800/1400
	Manufacturer	35			LiuGong	LiuGong
	Model	36			PTF205	PTF205
	Gears	37			Front 2/ Rear 1	Front 2/ Rear 1
Drive axle	Manufacturer	38			LiuGong	LiuGong
	Model				ADF700	ADF700
Tire	Type of tire	40			Pneumatic tire	Pneumatic tire
	Tires number	41	Front wheel/rear wheel		4/2	4/2
	Front tire	42			12.00-20-20PR	12.00-20-20PR
	Rear wheel	43			12.00-20-20PR	12.00-20-20PR



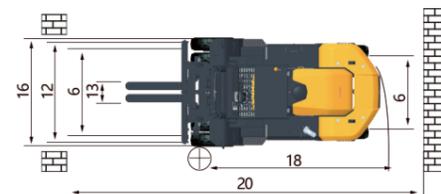
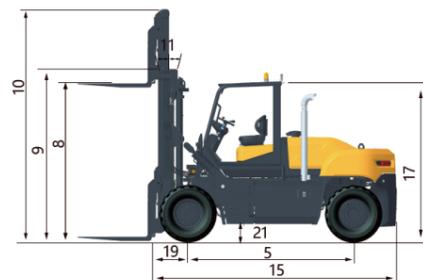
PRODUCT SPECIFICATIONS

Characteristics	Configuration No		06		06	
	Model	1		CPCD150		CPCD160
Power Type	2		Diesel		Diesel	
Rated lifting capacity	3	Rated load center distance	kg	15000	16000	
Rated load center distance	4		mm	600	600	
Wheel base	5		mm	3250	3250	
Track	6	Front wheel/rear wheel	mm	1975/1935	1975/1935	
Weight	Service weight	7	No-load	kg	19200	19770
Mast	Maximum lifting height	8	Two-stage standard mast	mm	3000	3000
	Height, upright lowered	9	Two-stage standard mast	mm	3365	3365
	Height, upright extended	10	Two-stage standard mast	mm	4865	4865
	Mast tilt, fwd/back	11	Two-stage standard mast	°	6°/12°	6°/12°
	Fork carriage	12	Width	mm	2490	2490
Fork spread	13	Min/Max	mm	500-2370	500-2370	
Fork dimension	14	Thickness x width x length	mm	85 x 200 x 1370	85 x 200 x 1370	
Chassis	Length to fork face	15	Two-stage standard mast	mm	4906	4906
	Overall width	16		mm	2663	2663
	Overhead guard height	17		mm	3106	3106
	Min. turning radius	18		mm	4650	4650
	Front overhang	19		mm	796	796
	Right angle stack	20		mm	7200	7200
Minimum ground clearance	21	At mast (no-load)	mm	275	275	
Performance	Travel speed	22	Full load/unloaded	km/h	26/30	26/30
	Lift speed	23	Full load/unloaded	mm/s	370/390	370/390
	Lower speed	24	Full load/unloaded	mm/s	400	400
	Maximum gradeability	25	Full load/unloaded	%	26/30	26/30
	Service brake	26			Hydraulic Brake	Hydraulic Brake
Parking	27			Hydraulic release mechanical lock	Hydraulic release mechanical lock	
System Configuration:	Brand	28			YUCHAI/Cummins	YUCHAI/Cummins
	Model	29			6J175-S300/B7T3-129A1	6J175-S300/B7T3-129A1
	Emission stage	30			Euro III	Euro III
	Number of cylinder	31			6	6
	Displacement	32	L		6.7	6.7
	Rated Power	33	kW/rpm		129/2200	129/2200
	Max.torque	34	N.m/rpm		750/1400 800/1400	750/1400 800/1400
	Manufacturer	35			LiuGong	LiuGong
	Model	36			PTF205	PTF205
	Gears	37			Front 2/ Rear 1	Front 2/ Rear 1
Drive axle	Manufacturer	38			LiuGong	LiuGong
	Model	39			ADF700	ADF700
Tire	Type of tire	40			Pneumatic tire	Pneumatic tire
	Tires number	41	Front wheel/rear wheel		4/2	4/2
	Front tire	42			12.00-20-20PR	12.00-20-20PR
	Rear wheel	43			12.00-20-20PR	12.00-20-20PR



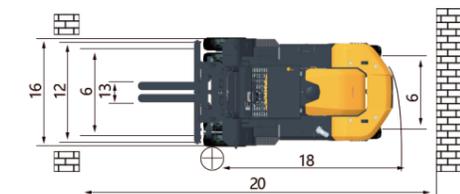
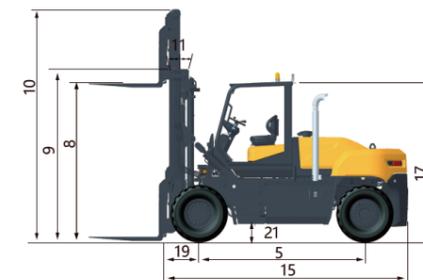
PRODUCT SPECIFICATIONS

Characteristics	Configuration No		09		09		
	Model	1	CPCD140	CPCD150	CPCD140	CPCD150	
Power Type	2		Diesel	Diesel	Diesel	Diesel	
Rated lifting capacity	3	Rated load center distance	kg	14000	15000	15000	
Rated load center distance	4		mm	900	900	900	
Wheel base	5		mm	3500	3500	3500	
Track	6	Front wheel/rear wheel	mm	1975/1935	1975/1935	1975/1935	
Weight	7	Service weight	kg	22920	22920	22920	
Mast	8	Maximum lifting height	mm	3000	3000	3000	
	9	Height, upright lowered	mm	3340	3340	3340	
	10	Height, upright extended	mm	4840	4840	4840	
	11	Mast tilt, fwd/back	°	6°/12°	6°/12°	6°/12°	
	12	Fork carriage	Width	mm	2590	2590	2590
Mast	13	Fork spread	Min/Max	mm	610-2150	610-2150	
	14	Fork dimension	Thickness x width x length	mm	95x200x1820	95x200x1820	
Chassis	15	Length to fork face	mm	5285	5285	5285	
	16	Overall width	mm	2663	2663	2663	
	17	Overhead guard height	mm	3300	3300	3300	
	18	Min. turning radius	mm	4750	4750	4750	
	19	Front overhang	mm	935	935	935	
	20	Right angle stack	mm	7745	7745	7745	
	21	Minimum ground clearance	At mast (no-load)	mm	275	275	275
Performance	22	Travel speed	Full load/unloaded	km/h	28/30	28/30	
	23	Lift speed	Full load/unloaded	mm/s	370/420	370/420	
	24	Lower speed	Full load/unloaded	mm/s	400/400	400/400	
	25	Maximum gradeability	Full load/unloaded	%	28/30	28/30	
	System Configuration:	26	Service brake		Hydraulic Brake	Hydraulic Brake	Hydraulic Brake
27		Parking		Hydraulic release mechanical lock	Hydraulic release mechanical lock	Hydraulic release mechanical lock	
Engine		28	Brand		YUCHAI/Cummins	YUCHAI/Cummins	YUCHAI/Cummins
		29	Model		6J175-S300/B7T3-129A1	6J175-S300/B7T3-129A1	6J175-S300/B7T3-129A1
		30	Emission stage		Euro III	Euro III	Euro III
		31	Number of cylinder		6	6	6
		32	Displacement	L	6.7	6.7	6.7
		33	Rated Power	kW/rpm	129/2200	129/2200	129/2200
		34	Max.torque	N.m/rpm	750/1400 800/1400	750/1400 800/1400	750/1400 800/1400
Gearbox		35	Manufacturer		LiuGong	LiuGong	LiuGong
		36	Model		PTF205	PTF205	PTF205
		37	Gears		Front 2/ Rear 1	Front 2/ Rear 1	Front 2/ Rear 1
Drive axle		38	Manufacturer		LiuGong	LiuGong	LiuGong
		39	Model		AWF700	AWF700	AWF700
Tire		40	Type of tire		Pneumatic tire	Pneumatic tire	Pneumatic tire
	41	Tires number	Front wheel/rear wheel	4/2	4/2	4/2	
	42	Front tire		12.00-20-20PR	12.00-20-20PR	12.00-20-20PR	
	43	Rear wheel		12.00-20-20PR	12.00-20-20PR	12.00-20-20PR	



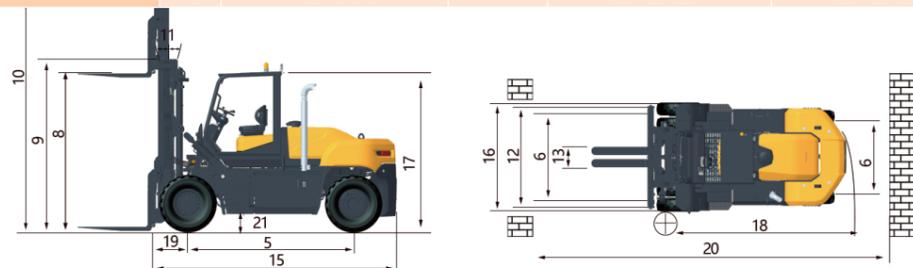
PRODUCT SPECIFICATIONS

Characteristics	Configuration No		09		09		
	Model	1	CPCD160	CPCD180	CPCD160	CPCD180	
Power Type	2		Diesel	Diesel	Diesel	Diesel	
Rated lifting capacity	3	Rated load center distance	kg	16000	18000	18000	
Rated load center distance	4		mm	900	900	900	
Wheel base	5		mm	3500	3500	3500	
Track	6	Front wheel/rear wheel	mm	1975/1935	1975/1935	1975/1935	
Weight	7	Service weight	kg	23300	23400	23400	
Mast	8	Maximum lifting height	mm	3000	3000	3000	
	9	Height, upright lowered	mm	3340	3340	3340	
	10	Height, upright extended	mm	4840	4840	4840	
	11	Mast tilt, fwd/back	°	6°/12°	6°/12°	6°/12°	
	12	Fork carriage	Width	mm	2590	2590	2590
Mast	13	Fork spread	Min/Max	mm	610-2150	610-2150	
	14	Fork dimension	Thickness x width x length	mm	95x200x1820	95x200x1520	
Chassis	15	Length to fork face	mm	5285	5285	5285	
	16	Overall width	mm	2663	2663	2663	
	17	Overhead guard height	mm	3300	3300	3300	
	18	Min. turning radius	mm	4750	4750	4750	
	19	Front overhang	mm	935	935	935	
	20	Right angle stack	mm	7745	7745	7745	
	21	Minimum ground clearance	At mast (no-load)	mm	275	275	275
Performance	22	Travel speed	Full load/unloaded	km/h	28/30	28/30	
	23	Lift speed	Full load/unloaded	mm/s	370/420	350/420	
	24	Lower speed	Full load/unloaded	mm/s	400/400	400/400	
	25	Maximum gradeability	Full load/unloaded	%	28/30	28/30	
	System Configuration:	26	Service brake		Hydraulic Brake	Hydraulic Brake	Hydraulic Brake
27		Parking		Hydraulic release mechanical lock	Hydraulic release mechanical lock	Hydraulic release mechanical lock	
Engine		28	Brand		YUCHAI/Cummins	YUCHAI/Cummins	YUCHAI/Cummins
		29	Model		6J175-S300/B7T3-129A1	6J175-S300/B7T3-129A1	6J175-S300/B7T3-129A1
		30	Emission stage		Euro III	Euro III	Euro III
		31	Number of cylinder		6	6	6
		32	Displacement	L	6.7	6.7	6.7
		33	Rated Power	kW/rpm	129/2200	129/2200	129/2200
		34	Max.torque	N.m/rpm	750/1400 800/1400	750/1400 800/1400	750/1400 800/1400
Gearbox		35	Manufacturer		LiuGong	LiuGong	LiuGong
		36	Model		PTF205	PTF205	PTF205
		37	Gears		Front 2/ Rear 1	Front 2/ Rear 1	Front 2/ Rear 1
Drive axle		38	Manufacturer		LiuGong	LiuGong	LiuGong
		39	Model		AWF700	AWF700	AWF700
Tire		40	Type of tire		Pneumatic tire	Pneumatic tire	Pneumatic tire
	41	Tires number	Front wheel/rear wheel	4/2	4/2	4/2	
	42	Front tire		12.00-20-20PR	12.00-20-20PR	12.00-20-20PR	
	43	Rear wheel		12.00-20-20PR	12.00-20-20PR	12.00-20-20PR	



Performance Parameters

Configuration No				12	12	12	
Characteristics	Model	1		CPCD150	CPCD160	CPCD180	
	Power type	2		Diesel	Diesel	Diesel	
	Rated lifting capacity	3	Rated load center distance	kg	15000	16000	18000
	Rated load center distance	4		mm	1200	1200	1200
	Wheel base	5		mm	3750	3750	4000
	Track	6	Front wheel/rear wheel	mm	1975/1935	1975/1935	1975/1935
Weight	Dead Weight	7	No-load	kg	24200	24500	24800
	Maximum lifting height	8	Two-stage standard mast	mm	3000	3000	4000
Mast	Full height with mast not raised	9	Two-stage standard mast	mm	3340	3340	3840
	Full height with mast not lowered	10	Two-stage standard mast	mm	4840	4840	5840
	Mast tilt angle (forward/backward)	11	Two-stage standard mast	°	6°/12°	6°/12°	6°/12°
	Fork carriage	12	Width	mm	2590	2590	2590
	Adjustable range of the fork	13	Min/Max	mm	660-2250	660-2250	660-2250
	Fork dimension	14	Thickness x width x length	mm	100x200x2440	100x200x2440	110x200x2440
Chassis	Overall length (to front end of the fork)	15	Two-stage standard mast	mm	5535	5535	5535
	Overall width	16		mm	2663	2663	2663
	Overhead guard height	17		mm	3300	3300	3300
	Min. turning radius	18		mm	5050	5050	5600
	Front overhang	19		mm	1040	1040	1040
	Right angle stack	20		mm	8565	8565	9110
	Minimum ground clearance	21	At mast (no-load)	mm	275	275	275
Performance	Travel speed	22	Full load/unloaded	km/h	26/29	26/29	26/29
	Lift speed	23	Full load/unloaded	mm/s	360/420	360/420	360/420
	Lower speed	24	Full load/unloaded	mm/s	400/400	400/400	400/400
	Maximum gradeability	25	Full load/unloaded	%	28/30	28/30	28/30
	Service brake	26			Hydraulic Brake	Hydraulic Brake	Hydraulic Brake
System Configuration:	Parking	27			Hydraulic release mechanical lock	Hydraulic release mechanical lock	Hydraulic release mechanical lock
	Engine	28	Brand		Cummins	Cummins	Cummins
		29	Model		B7T3-150A1	B7T3-150A1	B7T3-150A1
		30	Emission stage		Euro III	Euro III	Euro III
		31	Number of cylinder		6	6	6
		32	Displacement	L	6.7	6.7	6.7
		33	Rated Power	kW/rpm	150/2200	150/2200	150/2200
	Gearbox	34	Max.torque	N.m/rpm	890/1400	890/1400	890/1400
		35	Manufacturer		ZF	ZF	ZF
		36	Model		171	171	171
		37	Gears		Front 3/ Rear 3	Front 3/ Rear 3	Front 3/ Rear 3
	Drive axle	38	Manufacturer		LiuGong	LiuGong	LiuGong
		39	Model		AWF700	AWF700	AWF700
	Tire	Type of tire	40		Pneumatic tire	Pneumatic tire	Pneumatic tire
Tires number		41	Front wheel/rear wheel		4/2	4/2	
Tire size		42	Front tire		12.00-20-28PR	12.00-20-28PR	12.00-20-28PR
		43	Rear wheel		12.00-20-20PR	12.00-20-20PR	12.00-20-28PR



Main Configuration Table

Standard

High exhaust	Transmission filter remote external	Transmission oil dipstick	Dry brake drive axle
Pneumatic tires	hand operated control lever	Hydraulic level gauge	Adjustable steering gear
Driver's seat (seat belt)	Overhead guard	Hood lock	cup holder
Engine tachometer	Engine coolant temperature gauge	Fuel level gauge	Torque converter oil temperature gauge
Gear display meter	Speedometer	Operating hour meter	Warning Light
Dual rear headlights	USB charging port	Drawbar pin	Hydraulic distance adjustment fork (tandem shaft type)

Optional

Wet brake drive axle	Solid tires (normal)	Electro-hydraulic control	Protective cover for tilt cylinder
Shock-absorbing seat, seat belt (retractable type)	semi-suspension seat	Full-suspension seat	Suspended seat
Overhead guard (Windsheid)	Overhead guard (windshield resistant to 400°C)	Pick and place cab	Overall rollover cab
Universal lock cylinder	Overhead with protective plate on the top	Front Wiper	Rear wiper
Front sunshade	Rear sunshade	License plate light	Line warning light (left/rear/right sides)
Blue light warning light (forward/reverse)	A/C (Cold & Warm)	Electric fan	Reverse camera
Driving recorder	Reversing and steering voice alarm	Speed limiter (speed limit + alarm)	Tool box
Custom paint	Fire extinguisher (2 pieces*2kg)		