



CREATING A BETTER FUTURE



LG-PB-CPD50-70E-082024-EN

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Media Platform



CPCD50-70

**SERIES INTERNAL COMBUSTION
COUNTERBALANCED FORKLIFT**



TOUGH WORLD.TOUGH EQUIPMENT.

E series 5-10T forklifts, are new generation of medium and large forklifts products, are developed by LiuGong, with new industrial design and advanced technology, with good heavy-load stability, strong power, low fuel consumption, comfortable control, strong adaptability to working conditions, and easy maintenance, It can be applied to port, stone, heavy machinery manufacturing, leasing and other industries working conditions.

COMFORTABLE TO OPERATE



Large-screen LCD instrument

- 3.5-inch large-screen LCD instrument with rich condition information and clear display.

Large grab handle

- A large steel grab handle on the driver side of entry makes it easy to safely climb up and down.

Ergonomic cockpit

- The cockpit is ergonomically optimized, and the operator levers are reasonably arranged with comfort operation;
- The small steering wheel increases the operating space and relieves the driver's fatigue.

Electronic gas pedal

- The height of the accelerator pedal and brake pedals are arranged in the same level, which effectively alleviates the driver's fatigue;
- Electronic accelerator pedal, more comfortable operation.



CAPABLE FOR HAULING HEAVY LOADS

Robust and stable fork carriage

- The key stress points of the fork carriage are reinforced with stiffeners for harsh working conditions such as impact and eccentric load.

Good stability heavy load

- Long wheelbase, short front overhang, center of gravity tend to the back, good stability, excellent bearing capacity, lifting heavy load without raising the tail.

Heavy Duty mast and excellent visibility

- The clear-view mast provides with 440 high-strength steel, which increases the strength by 35%, and meets the heavy-duty operations such as steel and stone other heavy duty industries.

Bosch high-pressure common rail diesel engines

- 85-95.6KW full power, fast acceleration, work hard, strong climbing;
- Bosch high-pressure common rail, electronically controlled injection, Bosch high-pressure common rail, electronically controlled injection, combustion more fully;
- The engine curve is calibrated according to the forklift working conditions, and the fuel consumption is reduced by 10%.

Enhanced drum drive axle

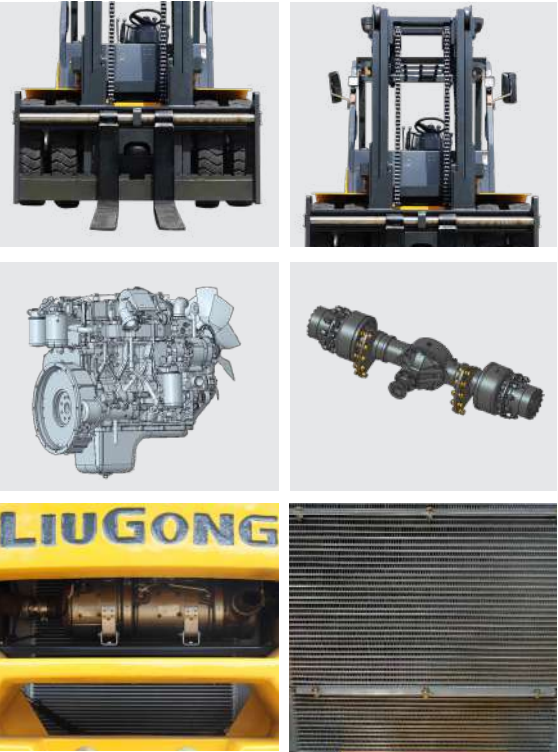
- Wider brake shoes for more reliable heavy-duty braking;
- The customized brake valve re-optimizes the braking curve, and the brake is soft and has low impact force, which is suitable for handling valuable items such as glass and machine tools.

Double-row air outlet design

- Large heat dissipation area, can meet the demand of continuous operation in 45°C environment.
- Ensure normal water and oil temperature.

Aluminum plate-fin radiator

- It adopts a single-layer upper and lower parallel structure, which has fast heat dissipation wind speed, high efficiency, easy to clear dust, suitable for high temperature, high dust working conditions.



COMFORTABLE TO OPERATE

High-strength overhead guard

- The overhead guard column is thickened, the strength is higher, and it is suitable for uneven road surfaces;
- Meet FOPS.

LED Lighting System

- LED lighting system, energy-saving, high brightness and long life.

Non-slip metal step

- Safe and easy entry and exit via large perforated non-slip steps strength by 35% to meet the heavy-duty operations such as steel and stone.



High-level electrical wiring protection

- The protection level of electrical circuits is high, and the protection level of wiring harness connectors is IP67, which effectively prevents the erosion of rain and corrosive substances.

Highly reliable transmission

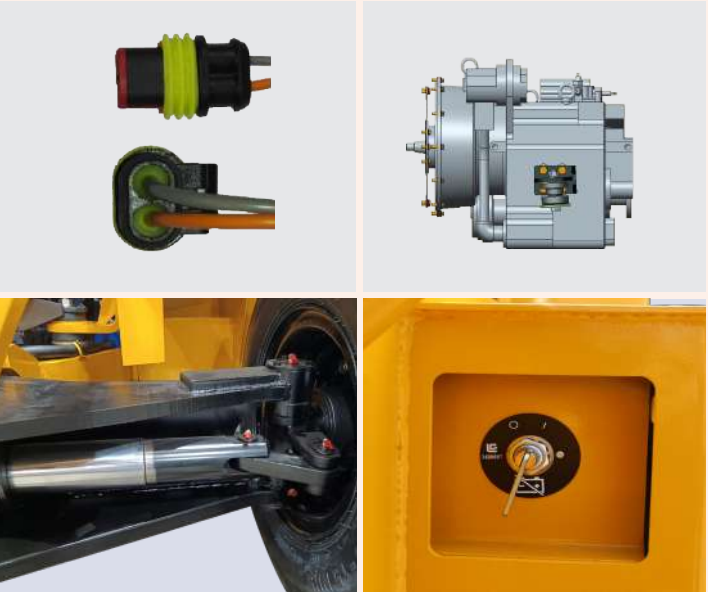
- Proven and reliable gearbox, after years of market testing, suitable for all kinds of working conditions.

Enhanced steering axle

- The large-angle steering axle is optimally matched to the chassis, resulting in a small turning radius and less tire wear;
- With large steering cylinders, the steering hydraulic system is more reliable.

Battery Disconnect Switch

- The standard main power switch, turn off the switch,can prevent the forklift from being parked in the open air for a long time,battery losing power, prolong the battery life, and protect the safety of the entire machine.



CONVENIENT MAINTENANCE

Easy-to-maintain engine compartment

- The hood opens at an angle of 80°;
- Triangle side covers can be removed;
- Tool-free to remove floorboard.

"One-stop" maintenance

- Air filter clogging alarm, tool-free maintenance;
- Centralized design of engine filter, diesel filter, air filter and electric fuse, one-stop maintenance.

Flip-up rear cover

- Engine and radiator maintenance services are more convenient.



STANDARD SPECIFICATIONS

Power system	Yuchai	Electric System	Maintenance-free starting battery	Cover systems	Overhead guard
	Single element air filter		LED front/rear lights		Vinyl cushion seat with seat belt
			Battery disconnect switch		Adjustable steering column
	Plate-fin type radiator		Horn		Non-slip metal steps
hydraulic system		Mast/ Attachments	Voice backup alarm	Chassis	Large grab handle
	2-Function valve				Dual rearview mirrors
	High-pressure double gear pump		3.0M Standard 2-stage		Enhanced drum drive axle
	Fully hydraulic steering				Mechanically shifted hydraulic transmission
	Tilting oil circuit self-locking valve		1520mm long forks		Steering axle
	Lifting oil circuit speed limiting valve				Pneumatic tires
	Explosion-proof valve for lifting oil circuit				Pulling device

AVAILABLE OPTIONS

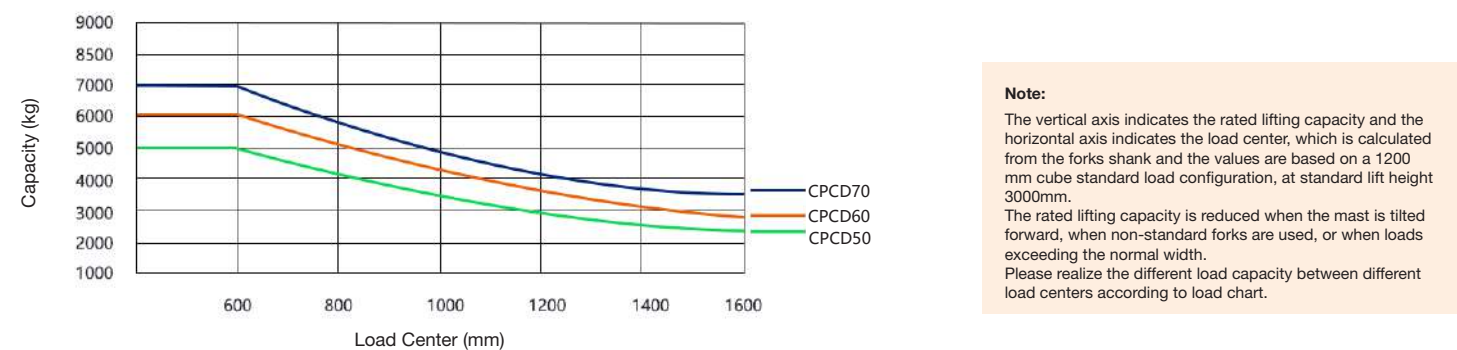
Power system	Elevated air pre-cleaner	Electric System	Cab heating and air conditioning	Cover systems	cab
	2nd refined air filter		Cab heater		Half-suspension vinyl seat
	Oil-bath air filter		OPS function		Full-suspension vinyl seat(benfeng)
	Vertical exhaust (8-10)		Other electrical functional devices		Grammer full-suspension vinyl seat
hydraulic system		Mast/ Attachments	(3.5-6) M Standard 2-stage	Chassis	
	3-Function valve		(2.5-3) M Full free 2-stage		Solid tires
			(4-6) M Full free 3-stage		
	4-Function valve		Special forks		
			Other optional attachments		

MAST AND CAPACITY INFORMATION

Mast type	Max. Lift Height (mm)	Mast height (mm)	Mast tilt (°)	Free lift height (mm)		Load capacity (Load center 600mm)(kg)						Weight (with standard fork) (kg)		
						With standard fork			With side shifter					
						CPCD50/60/70			CPCD50	CPCD60/70	CPCD50	CPCD60	CPCD70	CPCD50
Standard 2-Stage	2500	2275	6/12	180	195	5000	6000	7000	4700	5700	6700	7869	8519	9119
	3000	2525	6/12	180	195	5000	6000	7000	4700	5700	6700	7950	8600	9200
	3500	2775	6/12	180	195	5000	6000	7000	4700	5700	6700	8032	8682	9282
	4000	3075	6/12	180	195	5000	6000	7000	4700	5700	6700	8131	8781	9381
	4500	3325	6/12	180	195	5000	6000	7000	4700	5700	6700	8281	8931	9531
	5000	3575	6/6	180	195	5000	6000	7000	4700	5700	6700	8364	9014	9614
	5500	3875	6/6	180	195	4750	5700	6600	4450	5400	6300	8526	9176	9776
	6000	4125	6/6	180	195	4400	5400	6400	4100	5100	6100	8609	9259	9859

Mast type	Max. Lift Height (mm)	Mast height (mm)	Mast tilt (°)	Free lift height (mm)		Load capacity (Load center 600mm)(kg)						Weight (with standard fork) (kg)		
						With standard fork			With side shifter					
						CPCD50/60/70			CPCD50	CCPCD60/70	CPCD50	CPCD60	CPCD70	CPCD50
Full Free 2-Stage	2500	2275	6/12	1153	1168	5000	6000	7000	4700	5700	6700	7807	8457	9057
	3000	2525	6/12	1403	1418	5000	6000	7000	4700	5700	6700	7877	8527	9127

Mast type	Max. Lift Height (mm)	Mast height (mm)	Mast tilt (°)	Free lift height (mm)		Load capacity (Load center 600mm)(kg)						Weight (with standard fork) (kg)		
						With standard fork			With side shifter					
						CPCD50/60/70				CPCD50	CPCD60/70	CPCD50	CPCD60	CPCD70
Full Free 3-Stage	4000	2545	6/12	1423	1438	4500	5600	6200	4200	5300	5900	8343	8993	9593
	4500	2715	6/12	1593	1608	4500	5600	6200	4200	5300	5900	8427	9077	9677
	5000	2882	6/6	1760	1775	4500	5600	6200	4200	5300	5900	8511	9161	9761
	5500	3048	6/6	1926	1941	4300	5400	6000	4000	5100	5700	8664	9314	9914
	6000	3214	6/6	2092	2107	4000	5100	5600	3700	4800	5300	8733	9383	9983



PRODUCT SPECIFICATIONS

Characteristic	Model	1	CPCD50				CPCD60			
	Configuration No	2	EY3		EW3	EC5	EY3	EW3	EC5	
	Power source	3	Diesel							
	Load capacity	4	@ rated load center	kg	5000		6000			
	Load centre distance	5		mm	600					
Weight	Service weight	6		kg	7950		8600			
	Axle loading	7	With load (front/rear)	kg	11500/1525		13090/1585			
		8	Without load (front/rear)	kg	3830/4120		3880/4720			
Tires	Tire type	9		Pneumatic						
	Wheels, number (x = driven wheels)	10	Front/rear	4/ 2						
	Wheelbase	11		mm	2300					
	Tire size	12	Front	8.25-15-14PR						
		13	Rear	8.25-15-14PR						
Mast	Tread width	14	Front (standard duals tires)/rear	mm	1474/1730					
	Maximum fork height	15	with standard 2-stage mast	mm	3000					
	Freelift	16		mm	180		195			
	Height, upright lowered	17		mm	2525					
	Height, upright extended	18		mm	4420					
	Mast tilt, fwd/back	19		deg	6° / 12°					
	Fork carriage	20	Width	mm	1845					
	Fork spread out-to-out	21	Minimum/maximum	mm	300/1840					
	Fork dimension	22	T x W x L	mm	50 x 150 x 1520		65 x 150 x 1520			
	Chassis	Length to fork face	23	With std 2-stage mast	mm	3485		3500		
Overall width		24		mm	2000					
Overhead guard height,cab,AC		25		mm	2425/2486/2660					
Minimum outside turning radius		26		mm	3300					
Front overhang		27	With std 2-stage mast	mm	563		578			
Min.right angle stacking aisle width		28	Add load length and clearance.	mm	5263		5278			
Ground clearance		29	Loaded below mast	mm	200					
		30	Center of wheelbase	mm	200					
Performance	Travel speed	31	Loaded/unloaded	km/h	28/30	26/28	28/30	28/30	26/28	28/30
	Lift speed	32	Loaded/unloaded	mm/s	490/520	450/500	490/520	490/520	450/500	490/520
	Lowering speed	33	Loaded/unloaded	mm/s	450/400					
	Max. drawbar pull	34	Loaded	N	68/25	65/25	68/25	68/25	65/25	68/25
	Max. gradeability	35	Loaded/unloaded	%	32/ 25	29/25	32/25	32/25	29/25	32/25
	Brakes	36	Service	foot-operated, hydraulic						
		37	Parking		Hand operated, mechanical					
Powertrain System	Engine	38	Manufacturer	Yuchai	Isuzu	Cummins	Yuchai	Isuzu	Cummins	
		39	Model	YC4A115-T300	A-6BG1QC-02	QSF3.8	YC4A115-T300	A-6BG1QC-02	QSF3.8	
		40	Emission compliance	CHN-III	EU-I	EU-III	CHN-III	EU-I	EU-III	
		41	Number of cylinders/ displacement	4	6	4	4	6	4	
		42	Displacement	L	4.837	6.49	3.76	4.837	6.49	3.76
		43	Rated power	kw/ rpm	85/2200	82.4 / 2000	86/2200	85/2200	82.4/2000	86/2200
		44	Max. torque	N.m/ rpm	500 / 1400-1600	416.8/1500	470/1100-1700	500/1400-1600	416.8/1500	4701100-1700
		45	Type		Automatic hydraulic transmission (Electrical powershift)					
	Transmission	46	Speeds forward / backward	2/ 2						
	Additional Data	Operating pressure	47		MPa	20				
Operating pressure for attachments		48		MPa	16					
Fuel tank, capacity		49		L	150					
Battery voltage/capacity		50		V/Ah	2x12/93					

