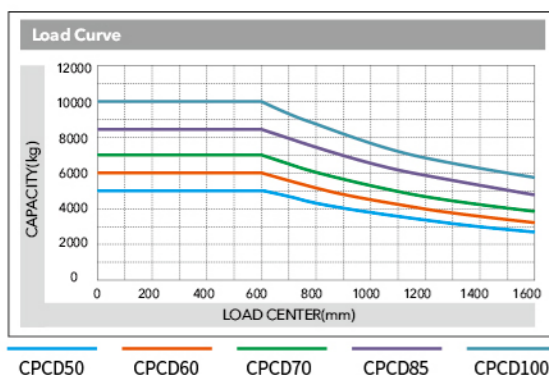


Manufacturer and technical parameters

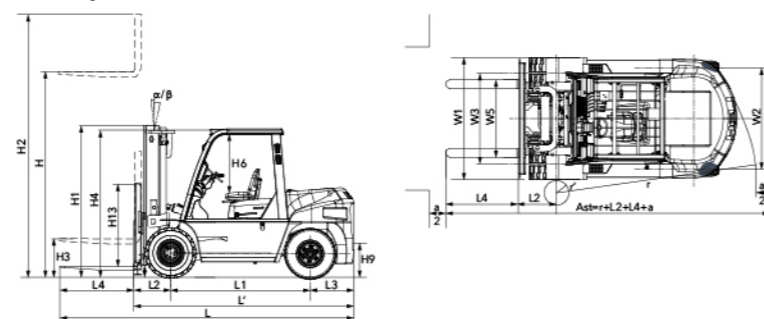
Characteristic		HELI						
1.01	Manufacturer							
1.02	Model		CPCD50-CU2ZG	CPCD60-CU2ZG	CPCD70-CU2ZG	CPCD85-CU2ZG	CPCD100-CU2ZG	
1.03	Load Capacity	kg	5000	6000	7000	8500	10000	
1.04	Load Centre	mm	600					
1.05	Power Type		Diesel Oil					
1.06	Driving Style		Seat-type					
1.07	Front Tire		8.25-15-14PR				9.00-20-14PR	
Dimension Parameter								
2.01	Lifting Height(standard)	H	mm	3000				
2.02	Mast Tilt(fwd/bwd)	α/β	deg	6/12				
2.03	Min.turning Radius	Wa	mm	3240	3300	3370	3650	3900
2.04	Overall Length(with forks)	L	mm	4710	4790	4840	5180	5430
2.05	Overall Width	W1	mm	2045			2165	
2.06	Overall Height(mast without activity)	H4	mm	2450			2560	
2.07	Wheel Base	L1	mm	2300			2500	2775
2.08	Tread(fwd/bwd)	W3/W4	mm	1520/1700			1600/1700	
2.09	Overhang(fwd/bwd)	L2/L3	mm	590/600	595/675	600/720	707/755	722/715
2.10	Min.Ground Clearance	H5	mm	200			250	
2.11	Lateral Fork Adjustment(outside of forks)	W5	mm	300-1835			348-1944	420-2060
2.12	Fork Length	L3	mm	1220				
2.13	Fork Width/Thickness	W/T	mm	55/150	60/150	65/150	70/170	80/175
Performance Parameter								
3.01	Lifting Speed(loaded/unloaded)	mm/s	485/520				430/450	330/350
3.02	Lowing Speed	mm/s	WITHOUT LOAD≥300 WITH FULL LOAD≤600					
3.03	Traveling Speed(loaded/unloaded)	km/h	29/31				27/30	
3.04	Max. Gradeability	%	66/20	57/20	50/20	39/19	35/19	
Engine and Gearbox								
4.01	Engine Manufacturer/Model		Cummins QSF3.8(Euro IIIA, China Stage III)					
4.02	Cyl. Number/Displacement	/L	4/3.8					
4.03	Rated Power/Rated Speed	Kw/rpm	86/2200					
4.04	Max. Torque/Rated Speed	Nm/rpm	470/1100-1700					
4.05	Gearbox		Intelligent Gear Shifting					

Engine model and main specification for option

IC Engine Model	Rated Power/Speed (Kw/rpm)	Max. Torque/Speed (Nm/rpm)	Engine Displacement (L)	Engine Cylinder Number	Optional Forklift Model	Emission
Quanchai 4J1-115C32	85/2200	85/2200	85/2200	4	CPCD50-100-QCZG	国 III China Stage III



As: Min.right angle stacking aisle width
a: Safety clearance 200mm



5-10 t

G series Internal Combustion Counterbalanced Forklift Truck (ZF Transmission)



ANHUI HELI CO., LTD.

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63662105(Africa & Middle East); 63639530(Overseas Marketing)

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» FEATURES



RELIABILITY

- > Key parts like frame and mast apply CAE top-down design to significantly improve their strength and make the truck tough.



MAINTAINABILITY

- > Independent integrated electric cabinet reduces electric failure, and it is easy for maintenance; the opening angle of the engine cover is increased to 80 degrees for better maintainability of the whole forklift.



SHOCK ABSORPTION

- > The vibration of the whole forklift is reduced by full suspension shock absorption design of overhead guard cab and optimization design of vibration transmission of power system. They can also lower driver fatigue level.

NOISE REDUCTION

- > Equipped with fully sealed cab and optimize designed parts around the engine, noise nearby ear and the truck sound level are reduced greatly.

HEAT DISSIPATION

- > The heat dissipation system has been reasonably optimized, so the cooling performance has been greatly improved. And the reliability and durability of key components such as gearbox and engine have been enhanced.

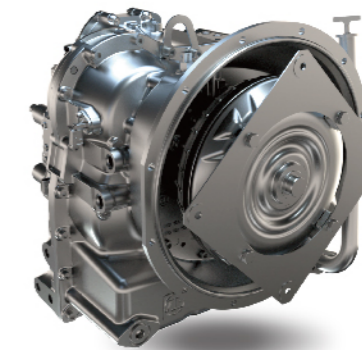


SMART AND COMFORTABLE

> ZF Tiptronic Transmission of Standard Configuration

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 applications; Electronic control system and gearbox clutch calibration function offer long-term and efficient operation through smart protection on transmission box.

- > Integrate interactive ergonomic design to improve operating comfort. Equipped with Wide View Lifting System to Broaden the Driver's Vision; Low Buffering(Standard)



QSF3.8 Tailored for Forklift.

> + Smart +

Intelligent Control – Speed control, seat sensing, vehicle protection and other electronic characteristics are easily realized by advanced electronic control technology.

> Stronger

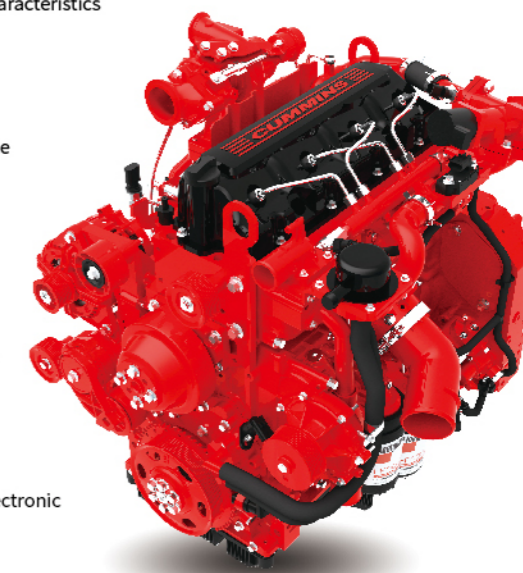
Stronger – electronic control technology gives full play to the power effectively and the maximum torque can reach 470N.m, which improves the climbing performance of the whole truck by 15% and the operation efficiency by 10%.

> Saving

With the precise control of efficient fuel system and the new CM2880 control unit, the fuel consumption is reduced by 10%, and the annual fuel cost is saved by more than ¥5000. The oil consumption rate is reduced by about 0.1%, and the maintenance cost is reduced. The maintenance interval is extended to 500 hours, and the cost saved during the warranty period is more than ¥1500. The warranty period for key components is extended to 3 years or 10,000 hours.

> Safer and More Environmentally Friendly

Fast fault diagnosis, system protection, load sensing, speed control, GPS, OPS and other electronic features protect personnel and vehicle safety. Comply with China Stage III and EU Stage III.



ENGINE INFORMATION

Key Application	5~10t Forklift
Fuel System	Electric control high pressure common rail system
Air Intake	9 inch Donaldson air cleaner
Advanced Turbo Charging	Waste gate Turbo
Fuel Performance	Engine: 198g/kwh 60Cycles: 7.6kg/h
Crankcase Filter	Open Crankcase (OCV)
Power	2200rpm/86KW
Max Peak Torque	1100-1700rpm/470Nm
Meeting Emission Standard	China stage3