

GROS

12-13.5t

G series counterbalanced internal combustion forklift truck



G SERIES 12-13.5T

Performance specifications

Model	Unit	CPCD120- CU1-09 III G	CPCD120- CU2-09 III G	CPCD135- CU1-06 III G	CPCD135- CU2-06 III G
Rated capacity	kg	12000		13500	
Load center	mm	900		600	
Power type		Diesel engine			
Lifting speed (loaded)	mm/s	410/380			
(Descending speed (loaded)	mm/s	410/450			
Max.Travelling speed(loaded/unloaded)	km/h	28/30			
Max. Gradeability(loaded/unloaded)	%	22%			
Tire	Type(front/rear)	Pneumatic tire 4/2			
	Size	11.00-20-18PR			
Battery voltage/capacity	V/Ah	24/120			
Service brake		Air over hydraulic caliper disc brake	Wet disc	Air over hydraulic caliper disc brake	Wet disc
Parking brake		Mechanical-manual			
Engine	Manufacture Model	Cummins QSB6.7			
	Rated output/ Speed	kW/rpm	119/2300		
	Max. torque/ Speed	Nm/rpm	731/1500		
	Cylinder number		6		
	Displacement	L	6.69		
Transmission gear shift (front/rear type)		2/2 Hydraulic reversing			

Standard Configuration

Wide view mast	Back-up lamp	Fire extinguisher	Tile and adjustable steering column
Standard fork	Hydraulic fork positioner	Hydraulic oil level gauge	Traction pin
Steering indicator	Electric horn	Four-piece control valve	High exhaust
Back-up mirror	Engine oil pressure alarm	Tilt self-lock valve	Air inlet device
Front combination lamp	Charging indicator	Flow regulator of lifting oil circuit	Driver's tool
Fan	Water temperature meter of engine	Fully-hydraulic powered steering	
Rear combination lamp	Neutral indicator	Oil filter of hydraulic oil loop	
Stopwatch	Electro-hydraulic changing-over	Cable-type parking brake	
Rotary warning lamp	Mechanical type air filter obstruction alarm	Standard seat	
Reversing buzzer	Driver's cab	Durable tire with decorative pattern	

Optional Devices and Accessories

Warm air blower	ops service control syste	Hydraulic side shift fork positioner (Pitch adjustment of single fork)
Air conditioner	User designated color	No trace solid tyre
Common solid tyre	String rod	



Drive Axle

- Drive axle special for heavy truck is used. The drive axle has high strength casing, high load capacity, reliable performance, stable quality, good usability and cost performance.
- Air-over-oil disc brake is adopted on CPCD120/135-CU1-09/06 III G. The brake system can achieve large brake torque through little operation force taking advantage of air-over-oil pressure boosting technology. The brake is effective and reliable and it is suitable for work in outdoors. The hydraulic elements in the system is widely used in engineering machinery industry such as heavy vehicle and wheel loader and thus the spare parts has good general using performance.
- Wet type brake is adopted on CPCD120/135-CU2-09/06 III G. The brake system has stable working performance free from the affecting of humidity and dust and is free from maintenance which reduces maintenance cost greatly. The friction discs cools down through soaking in the oil which reduces working temperature greatly, improves brake performance and prolongs brake service life. It is suitable for application requiring frequent brake such as cabin, smelting factory and so on.

Caliper disc axle



Wet type brake





Wide view and High Strength Lifting System

- Excellent front view which is benefit for the work safety improvement and working efficiency is provide with wide view mast which has proprietary intellectual property and fork positioner with side shifting.

Engine System

- The Conmins electronic control engine imported from USA with original packaging has turbocharging system with 6 cylinders and its rated power is 119KW. This engine, with great power and torque, is suitable for all weather operations and has advantages of low oil consumption, low noise and stable power take off etc. In addition, it has the advantages of universal fitting parts, low price and timely supply etc. The emission reaches Euro standard IIIA.



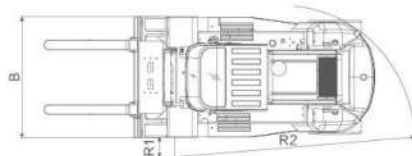
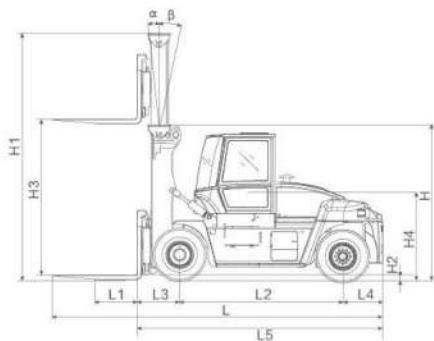
Gearbox & Torque Converter

- Hydraulic powered direction changing transmission box+ 340 high performance torque converter
- Tiptronic intelligent gear shifting technology
- Smooth gear shifting without shock
- Easy gear shifting
- High efficient power matching
- Safe and reliable; low noise



Hydraulic system

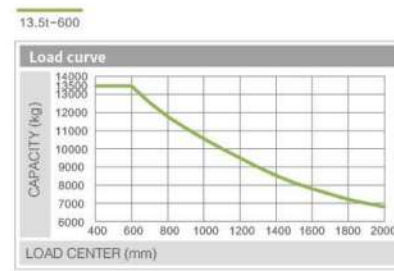
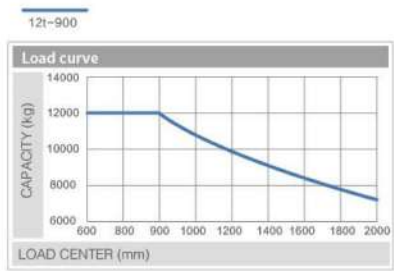
- The truck is assembled with domestic famous brand hydraulic elements. Integrated steering priority technology is adopted to ensure the excellent and reliable performance.



Performance specifications				
Model	CPCD120- CU1-09 III G	CPCD120- CU2-09 III G	CPCD135- CU1-06 III G	CPCD135- CU2-06 III G
Unit	mm			
Overall dimension	Overall length (without forks)	4895		
	Overall width	2740	2600	2740
	Overall height (at mast)	3365		
	Overall height (at works)	4865		
Wheel base	3250			
Lift height (standard)	3000			
Min. underclearance	260			
Fork	Length	1820	1370	
	Width	200		
	Thickness	85		
	Adjustable range	500-2370		
Min.turning radius(external)	4450			
Mast tilt angle (fwd/bwd)	6° /12°			

Wide view basic type mast

Mast type	Max. lifting height (mm)	Loading capacity (load center 900mm) (kg)		Free lift height (mm)	Mast tilt angle (Fwd/Bwd)	Note
		CPCD120	CPCD135			
M300	3000	12000	13500	3365	6° /12°	Standard type
M350	3500	12000	13500	3450	6° /12°	
M400	4000	12000	13500	3700	6° /12°	
M450	4500	12000	13500	3950	6° /12°	
M500	5000	12000	13500	4200	6° /6°	
M550	5500	11000	12500	4450	3° /6°	
M600	6000	10000	11500	4700	3° /6°	
M650	6500	9000	10500	4950	3° /6°	



- Our products are constantly updated and improved. Parameters and design are subject to change without prior notice.
- The configuration and color of the products in figures may be different from the actual delivered model. Please in kind prevails.