

CPCD 140-180

G Series Light Type 14-18t Internal
Combustion Counterbalanced Forklift Truck



www.helichina.com

HELI

14-18 t

G Series Light Type 14-18t
Internal Combustion
Counterbalanced Forklift Truck



ANHUI HELI CO., LTD.

Add / No.668, FangXing Road, Hefei, China

Fax / +86-551-63639966

Tel / +86-551-63639068(America); 63639258(Europe);
63639358(Asia); 63662105(Africa & Middle East)



LinkedIn



YouTube



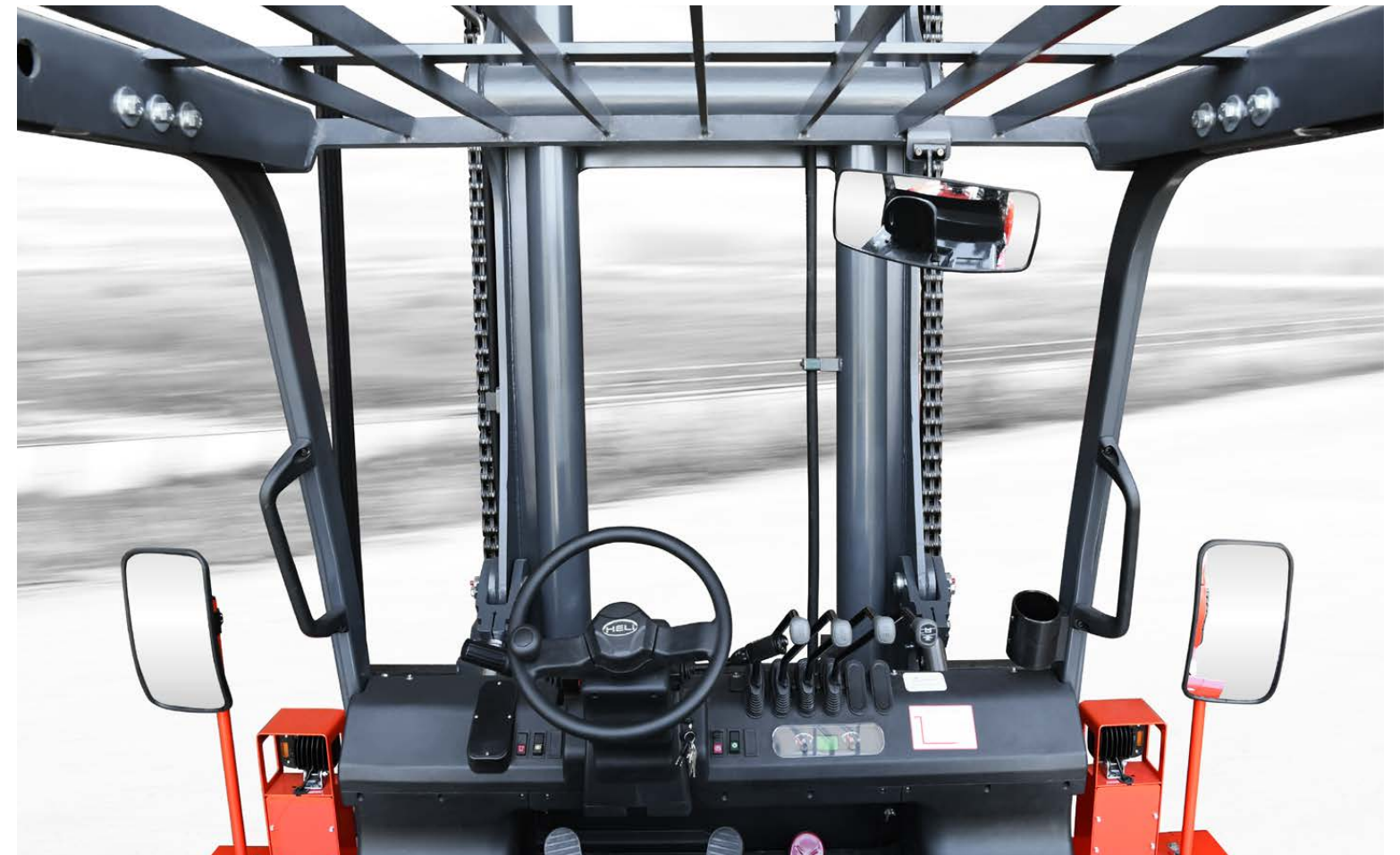
Facebook

Design&Print:Fokeli Printing 20240712



14-18 t

G Series Light Type 14-18t Internal Combustion Counterbalanced Forklift Truck



Gearbox & Torque Converter

- Hydraulic powered direction changing transmission box+ 340 high performance torque converter
- Electric-hydraulic gear shifting technology
- High efficient power matching
- Safe and reliable; low noise



Engine System

- Dongfeng Cummins 6BTAA5.9-C170 diesel engine meets China II and its displacement is 5.9L. It has low oil consumption, low noise and stable output power.
- Parameters: 127kw/2200rpm 750N.m/1400rpm
- Fuel system: Two-stage filtering system meets the requirements of low fuel quality better.





Heavy drive axle

- The design is suited to special working conditions of forklift by using big wheel edge and small main reducer, ensuring high reliability of drive axle. Equipped with caliper disc brake, it has good performance and high cost-performance.

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 hydraulic fork positioned.

caliper disc axle

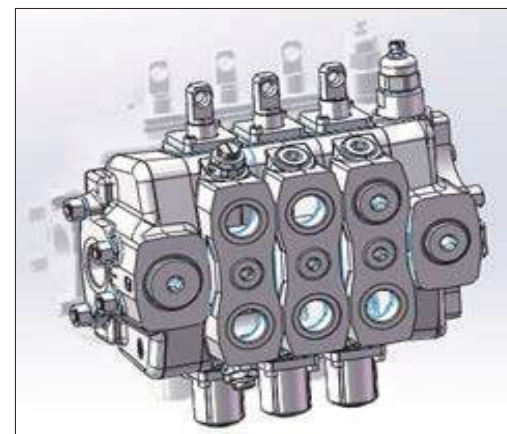


Excellent Braking Performance

- The whole vehicle has excellent and reliable braking performance and the service brake and parking brake are operated smoothly and stably under various field conditions.

Hydraulic system

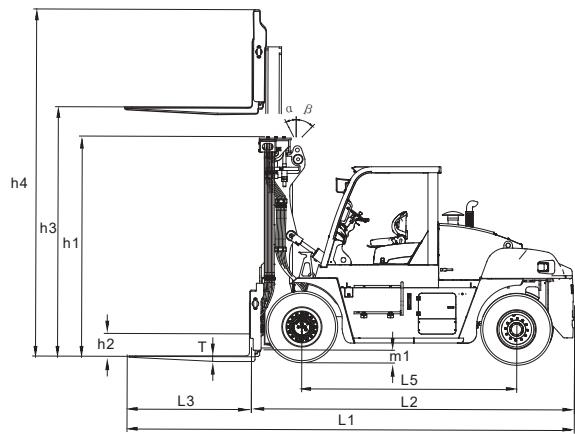
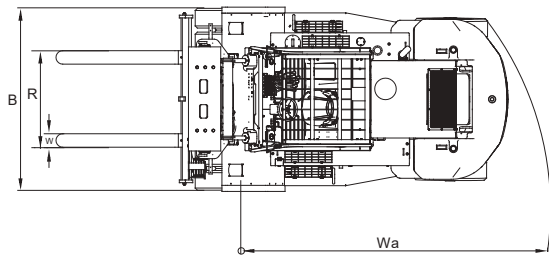
- Walvoil Lever-operated integrated type control valve from Italy , PERMCO high pressure gear pump.



Performance specifications					
Model		CPCD140	CPCD150	CPCD160	CPCD180
Unit		mm			
Overall dimension	Overall length (with forks)(L1)	6335			
	Overall width (B)	2780			
	Overall height (at mast)(h1)	3280			
	Overall height (at works)(h4)	4780			
Wheel base (L5)		3250			
Lift height (standard) (h3)		3000			
Min. underclearance (m1)		345			
Fork	Length (L3)	1370			
	Width (W)	200			
	Thickness (T)	85			
	Adjustable range (R)	500~2370			
Min.turning radius(external) (Wa)		4500			
Mast tilt angle (fwd/bwd) (α/β)		6°/12°			

Wide view basic type mast								
Mast type	Max. lifting height (mm)	Loading capacity (load center600mm) (kg)				Free lift height (mm)	Mast tilt angle (Fwd/Bwd)	Note
		CPCD140	CPCD150	CPCD160	CPCD180			
M300	3000	14000	15000	16000	18000	3280	6°/12°	Standard type
M350	3500	14000	15000	16000	18000	3530	6°/12°	
M400	4000	14000	15000	16000	18000	3780	6°/12°	
M450	4500	14000	15000	16000	18000	4030	6°/12°	
M500	5000	14000	15000	16000	18000	4280	6°/6°	
M550	5500	13000	14000	15000	17000	4530	3°/6°	
M600	6000	12000	13000	14000	16000	4780	3°/6°	
M650	6500	11000	12000	13000	15000	5030	3°/6°	

a: Clearance
b: Load center



Performance specifications						
Model		Unit	CPCD140-CU-06IIG	CPCD150-CU-06IIG	CPCD160-CU-06IIG	CPCD180-CU-06IIG
Rated capacity		kg	14000	15000	16000	18000
Load center		mm	600			
Power type			Diesel engine			
Lifting speed (unloaded/loading)		mm/s	350/300			
(Descending speed unloaded/loading)		mm/s	380/310			
Max.Travelling speed (loaded/unloaded)		km/h	27/30			
Max. Gradeability (loaded/unloaded)		%	20%			
Tire	Type (front/rear)		4/2 Pneumatic tire			
	Size		12.00-24-20PR			
Battery voltage/capacity		V/Ah	24/120			
Service brake			Gas cap oil- pedal type			
Parking brake			Wet-type multiple disc brake			
Engine	Mannfature Model		Dongfeng Cummins 6BTAA5.9-C170			
	Rated output/ Speed	kW/rpm	127/2200			
	Rated torque/ Speed	Nm/rpm	750/1400			
	Cylinder number		6			
	Displacement	L	5.9			
Transmission gear shift (front/rear type)			4/4 Hydraulic reversing			

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

Optional Devices and Accessories		
Warm air blower	Floating seat	String rod
Air conditioner	ops service control syste	Hydraulic side shift fork positioner (Pitch adjustment of single fork)
Common solid tyre	User designated color	No trace solid tyre
Cab	Side shifter	