

**R Series**  
14.0/16.0t Diesel



**HANGCHA GROUP CO., LTD.**  
(Zhejiang Hangcha Imp. & Exp.Co.,Ltd.)

[www.hcforklift.com](http://www.hcforklift.com)

Addr:398 Shi Qiao Road, Hangzhou Zhejiang province, China(310022)

Factory site:No.88, Donghuan Rd., Economic Development Zone Lin'an, Zhejiang, China(311305)

Tel: +86-571-88926755

Fax: +86-571-88926789 88132890

E-mail: [sales@hcforklift.com](mailto:sales@hcforklift.com)

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## Power system

The Cummins turbocharged 6 cylinder engine is equipped with a large radiator and a newly positioned fan which has increased the cooling capabilities and improved the cooling process. Additional benefits include high performance, low energy consumption, low speed with high torque and a great power reserve.

## Transmission system

The ZF micro controller with 3 stage power-shift ensures reliability. The German Kessler heavy load drive axle with adjustable 2 stage speed and multi disc wet service brake system is fully enclosed and maintenance free.

## Hydraulic system

The main hydraulic components like the control valves and variable pump are products of Rexroth.

## Steering system

With the Transverse steering axle and full hydraulic steering and sensor system steering is easy.

## Cabin

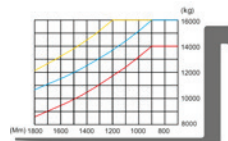
Daily servicing of the tilting cabin is easy. A wide view mast and high positioned seat provide good visibility to the front for the operator.



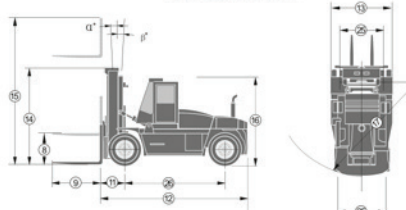
## Options

- 2.5-6.0m duplex mast
- Special carriage and backrest
- Solid tyre
- Heater and air conditioner
- Other dimension forks
- Other attachments
- Fire extinguisher
- Suspension seat
- Dual air cleaner or special air cleaner
- Rear working light
- Custom paint

## LOAD CHART



## DIMENSIONS



General	1 Manufacturer	HANGCHA GROUP CO., LTD.					
		GPCD140		CPCD160		CPCD180	
2 Basic model		W2	W25	W2	W25	AW2	AW25
3 Type		Diesel		Diesel		Diesel	
4 Power type		14000		16000		16000	
5 Rated capacity	kg	900		900		1200	
6 Load center	mm	520 / 2200		520 / 2200		820 / 2400	
7 Fork spread(outside)	Min. / Max.	3300		3000		3000	
8 Lift height	mm	1820 × 200 × 105		1820 × 200 × 105		2440 × 250 × 105	
9 Fork size	L × W × T	6 / 12		6 / 12		6 / 12	
10 Mast tilt range	F / R	890		890		890	
11 Fork overhang(without center to fork face)	mm	5300 / 7130		5300 / 7130		5460 / 7900	
12 Length to size of fork/lowest length	mm	2950		2950		2950	
13 Overall width	mm	3500		3500		3500	
14 Overall dimensions	Mast lowered height	5150		5000		5000	
	Mast extended height	3150		3150		3200	
	Overhead guard height	5000		5175		5175	
17 Turning radius(outside)	mm	7910		7910		8710	
18 Min.right angle stacking aisle width	mm	27 / 22.5		320 / 330		320 / 330	
19 Speed	Travel (No load / Full load)	350 / 360		25		25	
20 Lifting / Lowering (Full load)	mm/s	30		125		125	
21 Max. gradeability(Full load)	%	12.00 - 24 - 20PR		12.00 - 24 - 20PR		12.00 - 24 - 20PR	
22 Max. drawbar pull (Full load)	kN	138 / 2300		138 / 2300		138 / 2300	
23 Tyres	Front	12.00 - 20 - 20PR		12.00 - 20 - 20PR		12.00 - 24 - 20PR	
	Rear	2230 / 2340		2230 / 2340		2230 / 2340	
24 Tread	Front / Rear	3650		3750		3750	
25 Wheelbase	mm	250		250		250	
26 Ground clearance	Mast	320		320		320	
27 Wheelbase center	mm	22900		24200		25200	
28 Self weight	kg	2 × 12 / 150		2 × 12 / 150		2 × 12 / 150	
30 Battery	Voltage / Capacity(20HR)	6BTAS 9		6BTAS 9		6BTAS 9	
31 Model		QSB6.7		QSB6.7-C190		QSB6.7	
32 Manufacture		CUMMINS		CUMMINS		CUMMINS	
33 Rated output / r.p.m.	kw/m	138 / 2300		142 / 2300		138 / 2300	
34 Rated torque / r.p.m.	kw/m	786 / 1500		930 / 1500		786 / 1500	
35 Engine	No. of cylinder	6		6		6	
	Bore × Stroke	102 × 120		107 × 124		102 × 120	
36 Emission STD.		Stage III A/Tier 3		Stage III A/Tier 3		Stage III A/Tier 3	
37 Displacement	L	5.9		6.7		5.9	
38 Fuel tank capacity	L	280		280		280	
39 Manufacture		GERMAN		GERMAN		GERMAN	
40 Transmissions	Type	Electric control Powershift		Electric control Powershift		Electric control Powershift	
41 Operating pressure	MPa	21		21		21	
42 Service Brake		wet disc brake		wet disc brake		wet disc brake	
43 Parking Brake		Spring applied hydraulic release multidisc brake		Spring applied hydraulic release multidisc brake		Spring applied hydraulic release multidisc brake	

## R series 14.0 - 16.0t forklift mast specification:

Type	Mast height	Overall height		Tilt range		Capacity
		Lowered	Extended Without backrest	FWD	RWD	
Wide view mast	3300	3500	5150	6	12	14000
	3500	3550	5150	6	12	14000
	4000	3850	5850	6	12	14000
	4300	4050	6200	6	12	14000
	4500	4150	6400	6	12	14000
	4800	4300	6700	6	6	14000
	5000	4400	6900	6	6	14000
	5200	4700	7150	3	6	12000
	6000	4950	7950	3	6	11500
	6000	5250	8500	3	6	10500
Wide view mast	3300	3650	5300	6	12	16000
	3600	3800	5600	6	12	16000
	4000	4200	6000	6	12	16000
	4300	4200	6350	6	12	16000
	4500	4300	6500	6	12	16000
	4800	4450	6950	6	6	16000
	5000	4550	7150	6	6	16000
	5400	4850	7600	3	6	14500
	6000	5100	8100	3	6	13000
	6000	5400	8650	3	6	12500