



**ZHEJIANG HANGCHA IMP. & EXP. CO., LTD.**

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

Tel: +86-571-88926735 88926755  
Fax: +86-571-88132890 88926789

sales@hcforklift.com  
www.hcforklift.com



2017 VERSION 1/COPYRIGHT 2017/11



HANGCHA GROUP CO., LTD. reserves the right to make any changes without notice concerning colors, equipment, or specifications detailed in this brochure, or to discontinue individual models. The colors of trucks, delivered may differ slightly from those in brochures.



## A Series Diesel Counterbalanced Trucks

with capacities of 1,000 to 3,800kg

*The World of Hangcha*





## Appearance

/ Based on around 10 years Nissan technology applied on HC trucks, and HANGCHA own R and H series, the new A series is fully own researched truck. The improved new outline, safety, comfortability, and reliability, all these provide better performance to the trucks.

## Outline

/ Applied the advanced outline designing method, the truck is designed with stream, sporty outline, and thanks to the new design, all the exposed parts are metal made. which is firm and reliable.

## Safety

- / Thanks to the long wheelbase design, the longitudinal stability of whole truck is improved, the residual load capacity at same height is improved greatly. At the same time, it prolongs the working life time of steering tyre by reducing the rear axle load.
- / Improved strength of OHG is to make sure the protection to operator.
- / Lock of engine cover is standard specification, which ensures the operator's safety.

## Comfortable

- / The same ergonomic technology as R series has been adopted. The smaller steering wheel, extra space for foot and operator space, wider forward visibility, all these improve operator's comfort and release operator's fatigue.
- / Easy access to engine and transmission due to applied bolt type fastened front plate, greatly improving the convenience of daily maintenance and repair.
- / The applied integral engine cover strengthens the rigidity of the cover and reduces the noise at the same time.

## Reliability

- / The air intake system adopts high-positioned independent channel which located on the rear OHG to prevent dust intake.
- / Enlarged cross section of rear OHG improves the air intake capacity, and reduces air intake resistance, which makes internal combustion more complete and prolongs engine life.
- / The aluminum ribbon-tubular radiator with large capacity and the optimized cooling system further enhance the heat dissipation capability of the whole truck to ensure the reliability of the engine.





## Options

- / Protection for tilt cylinder
- / Front dual wheel
- / Cabin
- / High-mounted exhaust system
- / Customized color
- / Cabin heater
- / Rear working light
- / Dual air filter
- / Net cover of radiator
- / Solid tyre
- / Non-mark tyre(white/green)
- / Middle-positioned exhausted system
- / Exhaust fireproof device
- / Suspension seat
- / Purified exhaust system
- / Warning lamp
- / Auxiliary hydraulic valve assembly
- / Extinguisher
- / Copper water tank
- / Rear armrest with horn button
- / Counter weight net
- / High and low overhead guard
- / Fuel tank cap lock
- / Weighing system
- / Front/rear lights protective frame
- / Neutral starting protection (mechanical transmission)
- / Battery main switch
- / Fan protector
- / Speed limit alarm
- / Wide view full free 2-stage mast
- / Wide view full free 3-stage mast
- / wider fork carriage
- / Special fork
- / High-speed transmission
- / LED rearlights



## Standard Specification

- / Anti-slip access step
- / Air filter
- / Hydraulic oil dipstick
- / Traction device
- / Lifting speed limit valve
- / Full hydraulic power steering
- / Wide view standard mast
- / Standard forks
- / Lift and tilt operating lever
- / Adjustable of steering wheel
- / Large rubber pedal pad
- / Hand grip
- / Waterproof cover on the OHG
- / Rear view mirror
- / Fuel Gauge
- / Pre-heating indicator
- / Engine fuel pressure warning
- / Neutral safety switch (hydraulic transmission)
- / Standard overhead guard
- / Transmission oil dipstick (hydraulic transmission)
- / High-performance tires
- / Standard backrest
- / High-positioned air intake
- / Hydraulic oil filter
- / Self-lock valve of mast tilting
- / Cable parking brake
- / Front combined lamp
- / Electrical horn
- / Headlight
- / Buzzer
- / Hour meter
- / Load safety valve
- / Engine hood spring
- / Rear combined lamp
- / Charging indicator
- / Oilcooler (hydraulic transmission)
- / Toolbox
- / Water temperature gauge
- / Transmission oil temperature warning
- / Standard seat
- / Two-disc multiple valve

# A series 1.0-2.0t forklift specification

		HANGCHA GROUP CO.,LTD.																			
		CPCD10-AG26	CPCD10-AG50	CPCD10-AW10	CPQD10-AW7	CPCD15-AG26	CPCD15-AG26	CPCD15-AW10	CPQD15-AW7	CPCD18-AG26	CPCD18-AG26	CPCD18-AW10	CPQD18-AW7	CPCD20-AG2	CPCD20-AG51	CPCD20-AW27	CPCD20-AW67	CPCD20-AW10	CPCD20-AW13	CPQD20-AW7	
Distinguishing mark	1.1	Manufacturer																			
	1.2	Manufacturer's type designation																			
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	Diesel	Diesel	Gasoline	Diesel	Diesel	Diesel	Gasoline	Diesel	Diesel	Diesel	Gasoline	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Gasoline
	1.5	Rated capacity/rated load	Q (kg)	1000	1000	1000	1000	1500	1500	1500	1500	1750	1750	1750	1750	2000	2000	2000	2000	2000	2000
	1.6	Load centre distance	c (mm)	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	405	405	405	405	405	405	405	405	410	410	410	405	470	470	470	470	470	470
Weight	2.1	Service Weight	kg	2300	2300	2300	2300	2600	2600	2600	2600	2830	2830	2830	2830	3440	3440	3440	3440	3440	
	2.2	Axle loading, laden front/rear	kg	2940/360	2940/360	2940/361	2940/361	3590/510	3590/510	3590/510	3590/510	4075/505	4075/505	4075/505	4075/505	4815/625	4815/625	4815/625	4815/625	4815/625	
	2.3	Axle loading, unladen front/rear	kg	1290/1010	1290/1010	1290/1011	1290/1011	1170/1430	1170/1430	1170/1430	1170/1430	1190/1640	1190/1640	1190/1640	1190/1640	1640/1800	1640/1800	1640/1800	1640/1800	1640/1800	
Tyres, chassis	3.2	Tyre size, front		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	
	3.3	Tyre size, rear		5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	
	3.6	Tread, front	b <sub>10</sub> (mm)	890	890	890	890	890	890	890	890	890	890	890	965	965	965	965	965	965	
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta(^{\circ})$	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	
	4.2	Height, mast lowered	h <sub>1</sub> (mm)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	
	4.3	Free lift	h <sub>2</sub> (mm)	155	155	155	155	155	155	155	155	155	155	155	140	140	140	140	140	140	
	4.4	Lift	h <sub>3</sub> (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	4.5	Height, mast extended	h <sub>4</sub> (mm)	3965	3965	3965	3965	3965	3965	3965	3965	3965	3965	3965	4045	4045	4045	4045	4045	4045	4045
	4.7	Height of overhead guard (cabin)	h <sub>6</sub> (mm)	2110	2110	2110	2110	2110	2110	2110	2110	2110	2110	2110	2110	2120	2120	2120	2120	2120	2120
	4.20	Length to face of forks	l <sub>2</sub> (mm)	2245	2245	2245	2245	2290	2290	2290	2290	2325	2325	2325	2325	2550	2550	2550	2550	2550	2550
	4.21	Overall width	b <sub>1</sub> (mm)	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1155	1155	1155	1155	1155	1155
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	1070×122×40	1070×122×40	1070×122×40	1070×122×40	1070×122×40	1070×122×40
	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	226-970	226-970	226-970	226-970	226-970	226-970	226-970	226-970	226-970	226-970	226-970	226-970	260-1020	260-1020	260-1020	260-1020	260-1020	260-1020
	4.31	Ground clearance, laden, below mast	m <sub>1</sub> (mm)	115	115	115	115	115	115	115	115	115	115	115	115	105	105	105	105	105	105
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	145	145	145	145	145	145	145	145	145	145	145	145	150	150	150	150	150	150
	4.35	Turning radius	W <sub>a</sub> (mm)	1950	1950	1950	1950	1995	1995	1995	1995	2025	2025	2025	2025	2170	2170	2170	2170	2170	2170
	Aisle width	A <sub>st</sub> (mm)	2355	2355	2355	2355	2400	2400	2400	2400	2435	2435	2435	2435	2640	2640	2640	2640	2640	2640	
Performance Data	5.1	Travel speed, laden/unladen	km/h	-/14.5	-/14.5	-/14.5	-/15.5	-/14.5	-/14.5	-/14.5	-/15.5	-/14.5	-/14.5	-/14.5	-/15.5	-/19	-/19	-/20	-/19	-/18	
	5.2	Lift speed, laden/unladen	m/s	0.510/-	0.500/-	0.460/-	0.530/-	0.510/-	0.510/-	0.460/-	0.530/-	0.510/-	0.510/-	0.460/-	0.530/-	0.580/-	0.580/-	0.540/-	0.580/-	0.480/-	
	5.3	Lowering speed, laden/unladen	m/s	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	
	5.5	Drawbar pull, laden/unladen	N	19500/-	19500/-	20500/-	24500/-	19500/-	19500/-	20500/-	24500/-	19500/-	19500/-	20500/-	24500/-	21300/-	21300/-	20500/-	21300/-	19320/-	20790/-
	5.7	Gradeability, laden/unladen	%	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-
Combustion-engine	7.1	Engine manufacturer/type		NC485BPG-501	4N23G31	C240NKFC	BY4791GP	NC485BPG-501	4N23G31	C240NKFC	BY4791GP	NC485BPG-501	4N23G31	C240NKFC	BY4791GP	C490BPG-204	4D27G31	A498BT1-1	C490BPG-59	C240NKFC	
	7.2	Engine power according to DIN ISO 1585	kw	30	30	35.4	41	30	30	35.4	41	30	30	35.4	41	40	36.8	36.8	36.8	35.4	
	7.3	Rated speed	min	2600	2500	2500	2800	2600	2500	2500	2800	2600	2500	2500	2800	2650	2500	2400	2650	2500	
		Rated torque	N·m/r/min	131/1800	131/1700-900	139.9/1800	161/1800-2000	131/1800	131/1700-900	139.9/1800	161/1800-2000	131/1800	131/1700-900	139.9/1800	161/1800-2000	160/1800-2000	156/1800-2000	186/1600-1800	156/1700-1900	139.9/1800	186/1800-2000
	7.4	Number of cylinders/displacement	(-)/(cm <sup>3</sup> )	-/2270	-/2270	-/2269	-/2237	-/2270	-/2270	-/2269	-/2237	-/2270	-/2270	-/2269	-/2237	-/2670	-/2670	-/3168	-/2670	-/2269	-/3059
	7.10	Battery voltage/nominal capacity	V/Ah	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/90	12/90	12/90	12/90	12/90	12/90
		Transmissions Manufacturer		China	China	China	China	China	China	China	China	China	China	China	China	China	China	China	China	China	China
		Transmissions Type		Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
	Stage	FWD/RVS	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	
Addition data	10.1	Operating pressure for attachments	bar	145	145	145	145	145	145	145	145	145	145	145	175	175	175	175	175	175	
	10.4	Fuel tank capacity	liter	50		50	50	50		50	50	50		50	50	60		60	60	60	

Note: \*With suspension seat or cabin.  
 1. Special lifting height available (2-stage mast: 2.5m, 2.7m, 3.0m, 3.3m, 3.6m, 4m, 4.5m. 3-stage mast: 4.3m, 4.5m, 4.8m, 5m, 5.5m, 6m)  
 2. Attachment available.



