

CHL

A reliable hydraulic system

HELI has the most professional R&D base of cylinders, where we take advantage of the advanced manufacturing technologies and detecting means to ensure the reliability of all cylinders of the hydraulic system.

- ✓ Standard tilt cylinder by HELI
- ✓ Standard lift cylinder by HELI
- ✓ Standard steering cylinder by HELI
- ✓ Self-locking tilt cylinder
- ✓ Standard hydraulic circuit filter
- ✓ Speed buffer device on lifting system



A reliable steering system

The steering system with new technologies not only provides a smoother swerve and faster positioning & steering, but also effectively ensures operators' safety.



- ✓ Wearable tire
- ✓ Smaller turning radius
- ✓ Full hydraulic power steering

Comfortable operation space

Large operation space with ergonomic-design and configuration ensure the operation more comfortable & convenient, and effectively enhance the efficiency & safety of operation.

- ✓ Filled with noise-reducing and buffer rubber material between bonnet and frameworks
- ✓ Newly patented insulation materials of Bonnet
- ✓ Well-designed non-slip mat
- ✓ Special display with easily reading
- ✓ Standard files packet
- ✓ Exhaust system is flexibly connected with the frame.

**CHL****1-1.8 ton
ENGINE POWERED
FORKLIFT**

STANDARD EQUIPMENT

Hour meter
Horn
Oil pressure alarm
Three-spool control valve
Power steering
Rubber pedal pad
Backrest
Back view mirror
Front combined lights
Transmission oil filter
Engine flameout device
Parking brake cable
Water temperature meter
Attached tools
Rear combined lights
Reversing buzzer
Self-locking tilt valve
Tilt adjustable steering column

Overhead guard
Standard forks
Central Control Box
Hydraulic circuit oil filter
Radiator tank
Speed-limiting valve
Oil meter
Battery-charge indicator
Wide-view mast
Intake device
Durable tire
Operating handles
Torque converter oil gauge
Combined display

OPTIONS

Cab
Rotating warning light
Vertical exhaust
Double air filter
Suspension seat
Extended fork sleeve
Heater
Solid tire
Widening fork carriage
Windglass
Purifying muffler
Fire muffler
Fire extinguisher
Rear lights
Air conditioning (some models)
Electro-hydraulic switch
OPS driving control
Torque converter oil temperature meter

Tilt cylinder sleeve
Steering cylinder sleeve
User-specified color
Optional attachments
Steel protective fences
Dual tires and protective devices
LPG with the flip seat
LPG single and dual-fuel system
Power brake
Side shifter

Manufacturer: **ANHUI HELI CO., LTD.**
NO.668 Fangxing Street, Economical Development Zone,
Hefei, P.R.China
TEL:86-551-63639458
FAX:86-551-63639966
WEBSITE: [HTTP://WWW.CHLFORKLIFT.COM](http://WWW.CHLFORKLIFT.COM)
E-MAIL: CHL@CHLFORKLIFT.COM

* Details of specifications and equipment are based on information available at the time of printing and may change without notice.

AUTHORIZED DEALER

© 2017 heli copyright

Catalog No.2017.01 HELI Print

CHL**1-1.8ton
ENGINE POWERED
FORKLIFT****ENGINE POWERED
FORKLIFT****1-1.8 ton**

Reliable forklift

A reliable Drive system



As the most reliable transmission system produced by HELI, it has been validated by over twenty years' experience in World market. Meanwhile, various ancillary devices of the power system ensure the reliability effectively.

- ✓ Durable transmission
- ✓ Equipped with the intake system & intake silencer
- ✓ Optional air filter pressure alarm device
- ✓ Automatic engine preheating system
- ✓ Cyclone Air Filter
- ✓ Lost foam casting
- ✓ Various high-power engines are available for customers' optional choices, and the emission meets the latest European & American environmental regulation.

A reliable mast



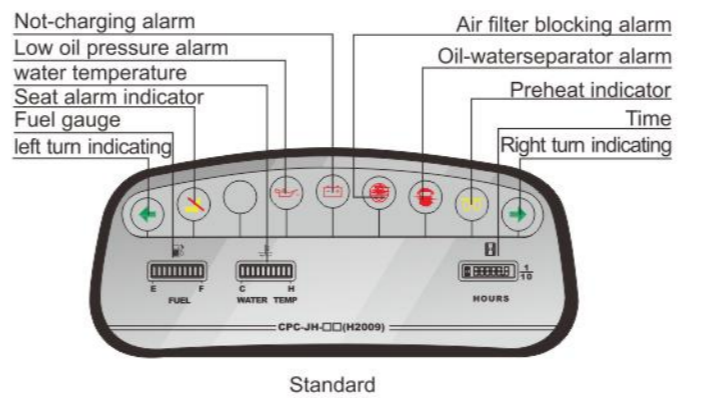
The high internal-qualified mast confirmedly ensures the safety of the operator, truck and cargo. Standard configuration of the wide-view mast enlarges operators' view effectively, and ensures loading /unloading operations more reliable.

- ✓ Using the best German steel material for triplex mast (option only for triplex mast)
- ✓ The frame of mast has more strength basing on the enlarged channel interface.
- ✓ Clear visibility for standard wide-view mast
- ✓ The channel with own patented technology has the first-rate quality.

Manufacturers Data and Design Characteristics													
Characteristics													
1	Manufacturer	ANHUI HEU CO., LTD.											
2	Model	CPC10	CPCD10	CPC15	CPCD15	CPC18	CPCD18	CPQ10	CPQD10	CPQ15	CPQD15	CPQ18	CPQD18
3	Power unit	Diesel						Gasoline					
4	Rated Capacity	1000		1500		1750		1000		1500		1750	
5	Load Center	500											
6	Operation	Driver seated											
Dimensions													
7	Overall max.lifting height (with backrest)	h4	mm	4030		4030		4030		4030		4030	
8	Max.Lifting height	h3	mm					3000					
9	Height mast retracted(upright)	h1	mm	1995		1995		1995		1995		1995	
10	Free lift height	h2	mm	152		155		152		155		155	
11	Backrest height(from upper face of forks)	h8	mm	1008		1005		1005		1005		1005	
12	Overhead Guard clearance(from face of seat)	h7	mm					1025					
13	Overall height(overhead guard)	h6	mm	2070		2070		2070		2070		2070	
14	Overall length(with forks)	L1	mm	2941		3165		2941		3165		2941	
15	Overall length(without forks)	L2	mm	2171		2245		2171		2245		2171	
16	Front overhang	X	mm	418		421		418		421		418	
17	Rear overhang	L4	mm	350		420		350		420		350	
18	Wheel base	L5	mm	1400		1400		1400		1400		1400	
19	Coupler height	h5	mm	250		250		250		250		250	
20	Min.ground clearance under mast	m1	mm	110		110		110		110		110	
21	Overall width	B	mm	1070		1070		1070		1070		1070	
22	Lateral fork adjustment outside of fork(Max./Min.)	S	mm					950/200					
23	Tread(front)	R	mm	890		890		920		890		920	
24	Tread(rear)	P	mm	920		920		920		920		920	
25	Outside turning radius	Wa	mm	1880		1955		1880		1955		1880	
26	Inside turning radius	V	mm	110		110		95		110		95	
27	Min.intersecting aisle	Ra	mm	1977		2052		2093		1977		2052	
28	Tilting angles(forward/backward)	α / β						6° / 12°					
29	Fork dimensions(axbxc)	mm		770 × 100 × 32		920 × 100 × 35		920 × 100 × 35		770 × 100 × 32		920 × 100 × 35	
Performance													
30	Max. Traveling speeds(With/Without load)	km/h						13.5/14.5					
31	Lifting Speeds(With/Without load)	mm/s						590/650					
32	Lowering Speeds(With/Without load)	mm/s						450/550					
33	Max. Draw-bar pull,(With/Without load)	kN	12.3/7	18/7	12.3/7	18/7	12.3/7	18/7	9.3/6.9	14.2/6.9	9.3/6.9	14.2/6.9	9.3/6.9
34	Max. Negotiable Gradient(With/Without load)	%						≥20		30/22		37/22	
Weights													
35	Service Mass	kg	2220	2660	2890	2220	2660	2890	2220	2660	2890	2220	2660
36	Load Wheel with load(Front/Rear)	kg	2830/390	3640/520	4040/600	2830/390	3640/520	4040/600	2830/390	3640/520	4040/600	2830/390	3640/520
37	Load Wheel without load(Front/Rear)	kg	1220/1000	1170/1490	1140/1750	1220/1000	1170/1490	1140/1750	1220/1000	1170/1490	1140/1750	1220/1000	1170/1490
Tyres													
38	Wheels number front/rear(x=driven)							2X/2					
39	Tyre Type							Pneumatic					
40	Tyre size(front)							6.50-10-10PR					
41	Tyre size(rear)							5.00-8-8PR					
42	Service Brake							Hydraulic-Foot Pedal					
43	Parking Brake							Mechanical-Hand Lever					
Drive													
44	Battery (Voltage/Capacity)	V/Ah		12/80		12/80		12/60					
45	Internal Combustion Engine Model			ISUZU C240PKJ		NISSAN K15							
46	Internal Combustion Engine Rated Output	kW/rpm		35.4/2500		23.6/2400							
47	Internal Combustion Engine Rated Torque	Nm/rpm		139.9/1800		103/1600							
48	Internal Combustion Engine Number of Cylinder			4-86 × 102		4-75.5 × 83							
49	Internal Combustion Engine Displacement	L		2.369		1.468							
50	Internal Combustion Engine Fuel Tank Capacity	L		38		38							
51	Transmission Number of Speed Fwd/Bwd type			1-1Power Shift T/M, 2-2 Manual Shift T/M		1-1Power Shift T/M, 2-2 Manual Shift T/M							

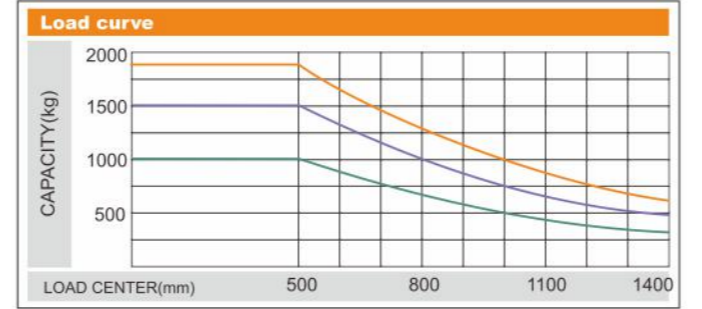
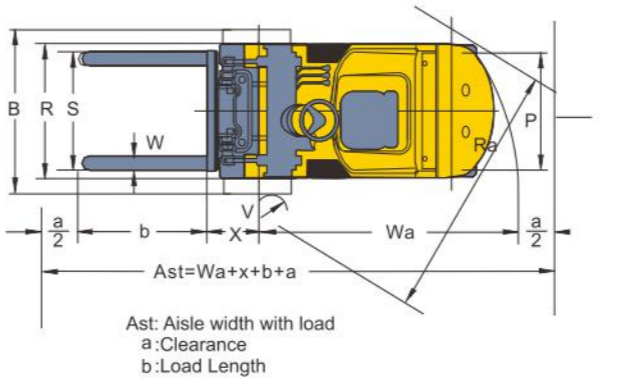
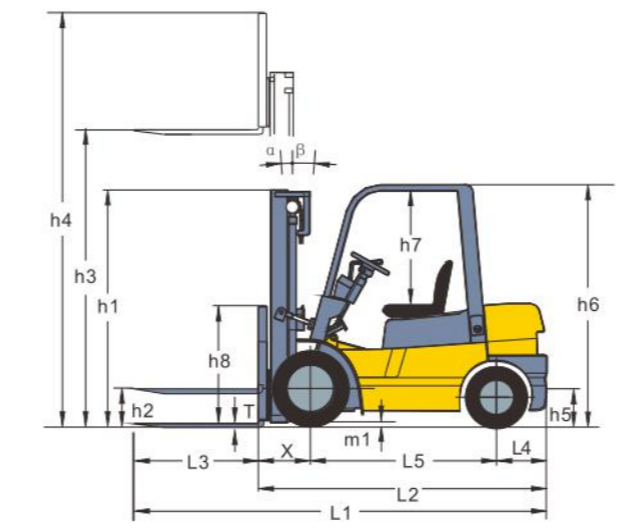
Engin Model and Main Specification for Option					
Engine Model	Rated Power / Rotating Speed (kW/rpm)	Rated Torque/ Rotating Speed (Nm/rpm)	Engine Capacity (L)	Number of cylinders	Remark
Kubota V2403	35.4/2400	161.3/1600	2.434	4	For 1-1.8t
JIANGLING H493	33/2300	153/1800	2.771	4	For 1-1.8t
XINCHANG NC485BPG	30/2600	131/1700~1900	2.27	4	For 1-1.8t

Reliable special designed instrument



The reliable special instrument gives a complete display of the vital information, like operation status, fault detection, etc. It ensures the operator predominate the vehicle status more intuitive and convenient.

- ✓ Stepping motor core
- ✓ Electrical safety standard meets CE requirements



Note: Capacities shown are computed with upright in vertical position, based on a 1000 mm cube load configuration with the center of gravity at the true center of the cube, and standard forks. Truck capacities with upright in forward tilt position will be less. Long forks, and unusually wide or loads may also reduce capacity.

1-1.8t WIDE VIEW MAST										
Mast model	Max. fork height (mm)	Capacity at 500mm; Load center (kg)				Overall Mast Height (mm)	Tilting Angle	Service Weight (kg)		
		CPQ10/CPQD10	CPQ15/CPQD15	CPQ18/CPQD18	CPQ10/CPQD10			CPQ15/CPQD15	CPQ18/CPQD18	
M200	2000	1000	1500	1750	1485	6-12	2120	2530	2760	
M250	2500	1000	1500	1750	1745	6-12	2145	2555	2785	
M300	3000	1000	1500	1750	1995	6-12	2220	2660	2890	
M330	3300	1000	1500	1750	2145	6-12	2165	2605	2835	
M350	3500	1000	1500	1750	2245	6-12	2210	2620	2850	
M370	3700	1000	1500	1750	2345	6-6	2230	2640	2870	
M400	4000	1000	1500	1750	2545	6-6	2270	2680	2910	
M425	4250	950	1400	1600	2670	6-6	2285	2695	2925	
M450	4500	950	1300	1550	2795	6-6	2300	2710	2940	
M500	5000	930	1000	1100	3045	6-6	2335	2745	2975	
M550	5500	*900	*1150	*1500	3345	3-6	2500	2910	3140	
M600	6000	*850	*1050	*1400	3595	3-6	2530	2940	3170	

NOTE: (1)For gas diesel model: +90kg dual wheels weight; +110kg.
 (2)(Front wheel) is dual wheels load capacity.
 (3)Rated capacity with (*); shows capacity with front dual tires.
 (4)Max lifting without lift-bracket-470mm.

1-1.8t WIDE VIEW FULL FREE 2-STAGE MAST											
Mast model	Max. fork height (mm)	Capacity at 500mm; Load center (kg)				Overall Mast Height (mm) At Lowered	Free Lift (with Backrest)	Tilting Angle	Service Weight (kg)		
		CPQ10/CPQD10	CPQ15/CPQD15	CPQ18/CPQD18	CPQ10/CPQD10				CPQ15/CPQD15	CPQ18/CPQD18	
ZM200	2000	1000	1500	1750	1535	520	6-12	2135	2555	2795	
ZM250	2500	1000	1500	1750	1745	735	6-12	2195	2615	2855	
ZM300	3000	1000	1500	1750	1995	945	6-12	2230	2650	2890	
ZM330	3300	1000	1500	1750	2145	1135	6-12	2250	2670	2910	
ZM350	3500	1000	1500	1750	2245	1235	6-12	2265	2685	2925	
ZM370	3700	1000	1500	1750	2370	1360	6-6	2280	2700	2940	
ZM400	4000	1000	1500	1750	2545	1535	6-6	2330	2750	2990	
ZM425	4250	950	1400	1600	2670	1660	6-6	2350	2770	3010	
ZM450	4500	950	1300	1550	2795	1785	6-6	2365	2785	3025	
ZM500	5000	930	1000	1100	3045	2035	6-6	2400	2820	3060	
ZM550	5500	*900	*1150	*1500	3345	2335	3-6	2570	2995	3235	
ZM600	6000	*850	*1050	*1400	3595	2585	3-6	2610	3030	3270	

NOTE: (1)Dual wheels weight; +110kg.
 (2)(front wheel) is dual wheels load capacity.
 (3)Max lifting height without bracket-470mm.
 (4)Free lifting height without bracket-470mm.
 (5)Rated capacity with (*); shows capacity with front dual tires.

1-1.8t WIDE VIEW FULL FREE 3-STAGE MAST											
Mast model	Max. fork height (mm)	Capacity at 500mm; Load center (kg)				Overall Mast Height (mm) At Lowered	Free Lift (with Backrest)	Tilting Angle	Service Weight (kg)		
		CPQ10/CPQD10	CPQ15/CPQD15	CPQ18/CPQD18	CPQ10/CPQD10				CPQ15/CPQD15	CPQ18/CPQD18	
ZSM300	3600	1000	1450	1750	1790	780	6-6	2275	2695	2935	
ZSM400	4000	1000	1400	1600	1915	910	6-6	2300	2720	2960	
ZSM430	4350	950	1350	1550	2040	1030	6-6	2325	2745	2985	
ZSM450	4500	900	1300	1500	2090	1080	6-6	2355	2760	2995	
ZSM470	4700	930	1350	1450	2160	1150	6-6	2365	2760	3005	
ZSM480	4800	900	1100	1400	2190	1180	6-6	2375	2775	3010	
ZSM500	5000	900	1100	1150	2290	1280	6-6	2400	2780	3035	
ZSM400	5400	800	850	1050	2415	1410	3-6	2420	2815	3055	
ZSM400	6000	*800	*1250	*1600	2650	1640	3-6	2480	2875	3115	
ZSM400	6500	*850	*1100	*1400	2855	1845	3-6	2530	2925	3165	
ZSM400	7000	-	-	*860	3025	2015	3-6	2580	2975	3215	

NOTE: (1)Dual wheels weight; +110kg.
 (2)(front wheel) is dual wheels load capacity.
 (3)Max lifting height without bracket-470mm.
 (4)Free lifting height without bracket-470mm.
 (5)Rated capacity with (*); shows capacity with front dual tires.