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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
- Traction pin
- Standard seat
- Hudraulic oil gauge
- Overhead guard raincoat
- Torque converter oil gauge
- Combined dispaly

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

AUTHORIZED DEALER

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ENGINE POWERED FORKLIFT **1-1.8 ton**

CHL

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
- Cydone 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 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

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.

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.

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ENGINE POWERED FORKLIFT 1-1.8 ton

Manufacturers Data and Design Characteristics

	Characteristics													
1	Manufacturer			ANHUI HELI CO., LTD.										
2	Model			CPC10	CPCD10	CPC15	CPCD15	CPC18	CPCD18	CPQ10	CPQD10	CPQ15	CPQD15	CPQ18	CPQD18
3	Power unit			Diesel						Gasoline					
4	Rated Capacity		kg	1000		1500		1750		1000		1500		1750	
5	Load Center		mm	500											
6	Operation			Driver seated											
	Dimensions														
7	Overall max.lifting height (with backrest)	h4	mm	4030		4030		4030		4030		4030		4030	
8	Max.Lifiting height	h3	mm	3000											
9	Height mast retracted(upright)	h1	mm	1995		1995		1995		1995		1995		1995	
10	Free lift height	h2	mm	152		155		155		152		155		155	
11	Backrest height(from upper face of forks)	h8	mm	1008		1005		1005		1008		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		2070	
14	Overall length(with forks)	L1	mm	2941		3165		3213		2941		3165		3213	
15	Overall length(without forks)	L2	mm	2171		2245		2293		2171		2245		2293	
16	Front overhang	X	mm	418		421		421		418		421		421	
17	Rear overhang	L4	mm	350		420		465		350		420		465	
18	Wheel base	L5	mm	1400		1400		1400		1400		1400		1400	
19	Coupler height	h5	mm	250		250		250		250		250		250	
20	Min.ground clearance under mast	m1	mm	110		110		110		110		110		110	
21	Overall width	B	mm	1070		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		890		920	
24	Tread(rear)	P	mm	920		920		920		920		920		920	
25	Outside turning radius	Wa	mm	1880		1955		1985		1880		1955		1985	
26	Inside turning radius	V	mm	110		110		95		110		110		95	
27	Min.intersecting aisle	Ra	mm	1977		2052		2093		1977		2052		2093	
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		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	14.2/6.9
34	Max. Negotiable Gradient(With/Without load)		%	≥20						30/22	37/22	23/18	27/18	20/17	24/17
	Weights														
35	Service Mass		kg	2220		2660		2890		2220		2660		2890	
36	Load Wheel with load(Front/Rear)		kg	2830/390		3640/520		4040/600		2830/390		3640/520		4040/600	
37	Load Wheel without load(Front/Rear)		kg	1220/1000		1170/1490		1140/1750		1220/1000		1170/1490		1140/1750	
	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	Paking Brake			Mechanical-Hand Lever											
	Drive														
44	Battery (Voltage/Capacity)		V/Ah	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					

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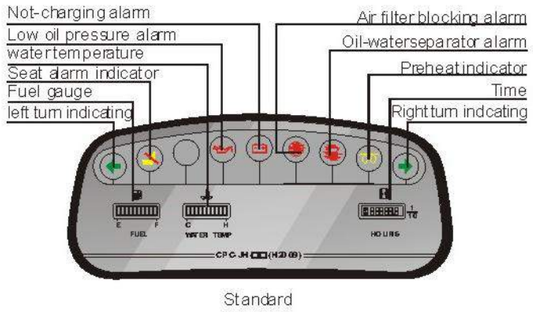
Engin Model and Main Specification for Option

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 Hj493	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

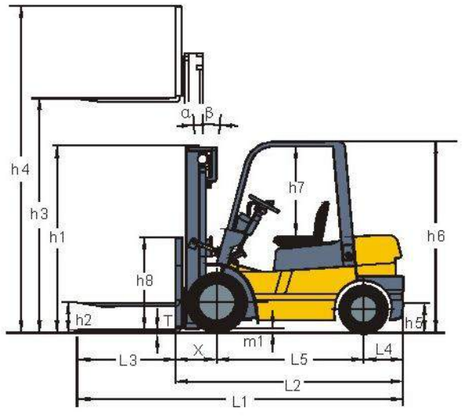
Reliable special designed instrument

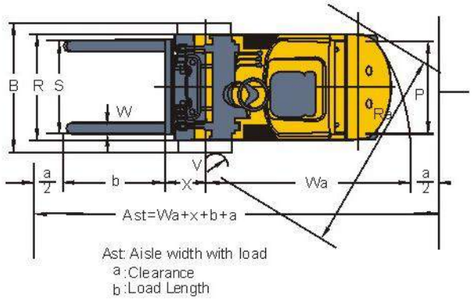


Standard

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.

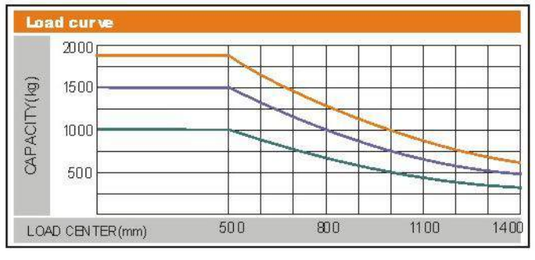
- ✓ **Stepping motor core**
- ✓ **Electrical safety standard meets CE requirements**





Ast: Aisle width with load
a : Clearance
b : Load Length

Load curve



CPC18/CPCD18
CPQ18/CPQD18

CPC15/CPCD15
CPQ15/CPQD15

CPC10/CPCD10
CPQ10/CPQD10

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 inforward 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 CPC10/ CPCD10	CPQ15/ CPQD15 CPC15/ CPCD15	CPQ18/ CPQD18 CPC18/ CPCD18	1-1.8t		CPQ10/ CPQD10 CPC10/ CPCD10	CPQ15/ CPQD15 CPC15/ CPCD15	CPQ18/ CPQD18 CPC18/ CPCD18
M200	2000	1000	1500	1750	1495	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	2195	2605	2835
M350	3500	1000	1500	1750	2245	6-12	2210	2620	2850
M370	3700	1000	1500	1750	2345	6-12 *6-12	2230	2640	2870
M400	4000	1000	1500	1700 *1750	2545	6-12 *6-12	2270	2680	2910
M425	4250	950	1400 *1500	1600 *1750	2670	6-12 *6-12	2285	2695	2925
M450	4500	950	1300 *1400	1550 *1700	2795	6-12 *6-12	2300	2710	2940
M500	5000	930 *850	1000 *1350	1100 *1600	3045	6-12 *6-12	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 : +50kg, 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 500 mm; Load center(kg)			Overall Mast Height(mm) At Lowered	Free Lift (with Backrest)	Tilting Angle	Service Weight (kg)		
		CPQ10/ CPQD10 CPC10/ CPCD10	CPQ15/ CPQD15 CPC15/ CPCD15	CPQ18/ CPQD18 CPC18/ CPCD18	1-1.8t	1-1.8t		CPQ10/ CPQD10 CPC10/ CPCD10	CPQ15/ CPQD15 CPC15/ CPCD15	CPQ18/ CPQD18 CPC18/ CPCD18
ZM200	2000	1000	1500	1750	1535	520	6-12	2135	2555	2795
ZM250	2500	1000	1500	1750	1746	735	6-12	2195	2615	2855
ZM300	3000	1000	1500	1750	1995	985	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	6-12 *6-12	2280	2700	2940
ZM400	4000	1000	1500	1700 *1750	2546	1535	6-12 *6-12	2330	2750	2990
ZM425	4250	950	1400 *1500	1600 *1750	2670	1660	6-12 *6-12	2350	2770	3010
ZM450	4500	950	1300 *1400	1550 *1700	2795	1785	6-12 *6-12	2365	2785	3025
ZM500	5000	930 *950	1000 *1350	1100 *1600	3046	2035	6-12 *6-12	2400	2820	3060
ZM550	5500	*900	*1150	*1500	3345	2335	*3-6	2575	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 CPC10/ CPCD10	CPQ15/ CPQD15 CPC15/ CPCD15	CPQ18/ CPQD18 CPC18/ CPCD18	1-1.8t	1-1.8t		CPQ10/ CPQD10 CPC10/ CPCD10	CPQ15/ CPQD15 CPC15/ CPCD15	CPQ18/ CPQD18 CPC18/ CPCD18
ZSM280	3800	1000	1450	1750	1790	780	6-6 *6-6	2275	2695	2935
ZSM400	4000	1000	1400	1600	1915	910	6-6 *6-6	2300	2720	2960
ZSM425	4250	900 *950	1350 *1400	1550 *1700	2040	1030	6-6 *6-6	2325	2745	2985
ZSM450	4500	900 *950	1300 *1350	1500 *1650	2090	1080	6-6 *6-6	2355	2750	2995
ZSM470	4700	900 *930	1300 *1350	1450 *1600	2160	1150	6-6 *6-6	2365	2760	3005
ZSM480	4800	900 *920	1100 *1350	1400 *1550	2190	1180	6-6 *6-6	2375	2775	3015
ZSM500	5000	900 *900	1100 *1300	1150 *1550	2290	1280	6-6 *6-6	2400	2780	3035
ZSM540	5400	800 *900	850 *1250	850 *1500	2415	1410	3-6 *3-6	2420	2815	3055
ZSM600	6000	550 *850	550 *1100	550 *1400	2650	1640	3-6 *3-6	2480	2875	3115
ZSM650	6500	*800	*1000	*1250	2855	1845	*3-6	2530	2925	3165
ZSM700	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.

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