

GROS



1-1.8 ton
ENGINE POWERED
FORKLIFT

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STANDARD EQUIPMENT

Hour meter	Overhead guard
Horn	Standard forks
Oil pressure alarm	Central Control Box
Three-spool control valve	Hydraulic circuit oil filter
Power steering	Radiator tank
Rubber pedal pad	Speed-limiting valve
Backrest	Oil meter
Backview mirror	Battery-charge indicator
Front combined lights	Wide-view mast
Transmission oil filter	Intake device
Engine flameout device	Durable tire
Parking brake cable	Operating handles
Water temperature meter	Traction pin
Attached tools	Standard seat
Rear combined lights	Hydraulic oil gauge
Reversing buzzer	Overhead guard raincoat
Self-locking tilt valve	Torque converter oil gauge
Tilt adjustable steering column	Combined display

OPTIONS

Cab	Tilt cylinder sleeve
Rotating warning light	Steering cylinder sleeve
Vertical exhaust	User-specified color
Double air filter	Optional attachments
Suspension seat	Steel protective fences
Extended fork sleeve	Dual tires and protective devices
Heater	LPG with the flip seat
Solid tire	LPG single and dual-fuel system
Widening fork carriage	Power brake
Windglass	Side shifter
Purifying muffler	
Fire muffler	
Fire extinguisher	
Rear lights	
Air conditioning (some models)	
Electro-hydraulic switch	
OPS driving control	
Torque converter oil temperature meter	

Manufacturer: **ANHUI HELI CO., LTD.**

AUTHORIZED DEALER

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

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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.

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.

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 powersteering



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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	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 Lifting 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		2283		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	W6	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 (a x b x c)	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. Negotable Gradient (With/Without load)	%	≥ 20						30/22	37/22	23/18	27/18	20/17	24/17
Weights														
35	Service Mass	kg	2220		2680		2890		2220		2680		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	Parking Brake		Mechanical-Hand Lever											
Drive														
44	Battery (Voltage/Capacity)	V/Ah	12/60						12/60					
45	Internal Combustion Engine Model		ISUZU C240FKJ						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		4-88 × 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		1-1 Power Shift T/M, 2-2 Manual Shift T/M						1-1 Power Shift T/M, 2-2 Manual Shift T/M					

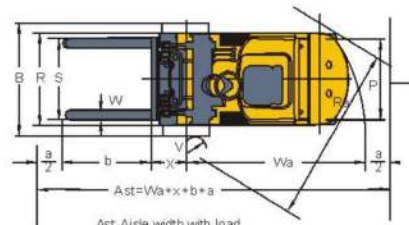
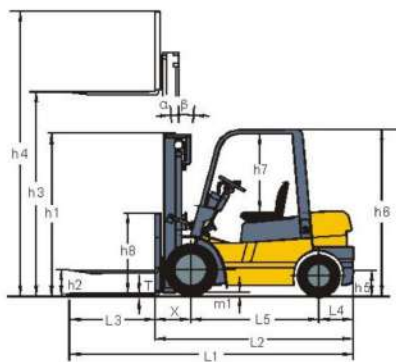
Engin Model and Main Specification for Option

Engine Model	Rated Power / Rotating Speed (kW/rpm)	Rated Torque / Rotating Speed (Nm/rpm)	Engine Capacity (L)	Number of cylinders	Remark
Kubota V2403	35.42/400	161.3/1600	2.434	4	For 1-1.8
JIAN GUANG H48B	3.2/2300	153/1800	2.771	4	For 1-1.8
XINCHANG NC485BPG	3.0/2600	13.1/1700~1900	2.22	4	For 1-1.8

Reliable special designed instrument



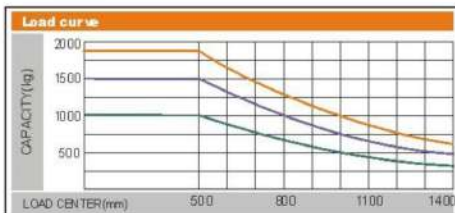
Standard



Ast: Aisle width with load

4 Clearance.

b: Load Length



Note:

Capacities shown are computed with upright in vertical position, based on a 1000mm 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.

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

14.8t WIDE VIEW MAST

Mast model	Max. hub height (m)	Capacity at 80 Dmm, Load on tower(kg)				Overall Mast height(mm)	Tilting Angle	Service Weight (kg)			
		C PG10 / C PG19 / C PG20	C PG15 / C PG16 / C PG18	C PG17 / C PG18 / C PG19	C PG19 / C PG20 / C PG21B			C PG10 / C PG15 / C PG17	C PG15 / C PG16 / C PG18	C PG17 / C PG18 / C PG19	C PG19 / C PG20 / C PG21B
		5-1.8	5-1.8	5-1.8	5-1.8			5-1.8	5-1.8	5-1.8	5-1.8
M600 3000	3000	1500	1500	1500	1800	8-12	2120	2630	2760		
M620 3200	3200	1500	1500	1500	1740	8-12	2145	2655	2785		
M650 3500	3500	1500	1500	1500	1655	8-12	2220	2680	2860		
M670 3700	3700	1500	1500	1500	1580	8-12	2195	2605	2835		
M690 3900	3900	1500	1500	1500	1505	8-12	2210	2620	2850		
M700 4000	4000	1500	1500	1500	1430	8-8	2270	2680	2910		
M800 4500	4500	1500	1500	1500	1350	8-8	2285	2695	2925		
M850 4800	4800	1500	1500	1500	1275	8-8	2300	2710	2940		
M900 5000	5000	1500	1500	1500	1200	8-8	2335	2745	2975		
M950 5500	5500	1150	1150	1150	1050	12-2	2200	2610	2840		
M970 5700	5700	1150	1150	1150	975	12-2	2215	2625	2855		

NOTE: (1) For gas, diesel model: +90 kg dual wheels weight +10 kg

(2) * (Front wheel) is dual wheel is load capacity

(3) Rate d capacity with (7): shows capacity with front dual tires

(4) Max. lifting without lift-bracket: 470mm.

1-1.8" WIDE VIEW FULL FREE 2-STAGE MAST

[illegible]

NOTE: (1) Dual wheels weight +110kg

(2)* (front wheel) is dual wheel load capacity.

(3) Max. lifting height without bracket: 470mm.

(4) Free lifting height without bracket: +470mm

(5) Rate of capacity with (7): 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 Lowed	Free Lift (with Backrest)		Tilting Angle	Service Weight (kg)			
		CPQ 16/ CPQ 15/ CPQ 10	CPQ16/ CPQ 15/ CPQ 10	CPQ16/ CPQ 15/ CPQ 10	CPQ16/ CPQ 15/ CPQ 10		5-12t	5-12t		CPQ16/ CPQ 15/ CPQ 10	CPQ16/ CPQ 15/ CPQ 10	CPQ16/ CPQ 15/ CPQ 10	CPQ16/ CPQ 15/ CPQ 10
ZSM003	3600	900 *900	1400 *1400	1750 *1750	1750	1750	910	0-9 *9.5	2275	2665	2665	2665	
ZSM02	4000	900 *900	1400 *1400	1600 *1600	1600	1600	910	0-9 *9.5	2300	2720	2720	2660	
ZSM05	4050	900 *900	1500 *1500	1650 *1650	2040	2040	930	0-9 *9.5	2255	2745	2745	2665	
ZSM06	4600	900 *900	1500 *1500	1650 *1650	2090	2090	930	0-9 *9.5	2365	2760	2760	2665	
ZSM07	4700	900 *900	1500 *1500	1650 *1650	2180	2180	1150	0-9 *9.5	2385	2760	2760	3005	
ZSM02	4800	900 *900	1500 *1500	1650 *1650	2190	2190	1150	0-9 *9.5	2375	2775	2775	3010	
ZSM03	5000	900 *900	1500 *1500	1650 *1650	2290	2290	930	0-9 *9.5	2400	2760	2760	3005	
ZSM04	5400	900 *900	1500 *1500	1650 *1650	2415	2415	930	0-9 *9.5	2420	2815	2815	3065	
ZSM03	6000	900 *900	1500 *1500	1650 *1650	3500	3500	930	0-9 *9.5	2480	2875	2875	3115	
ZSM05	6500	900 *900	1600 *1600	1750 *1750	2655	2655	930	0-9 *9.5	2600	2925	2925	3165	
ZSM03	7000	900 *900	1600 *1600	1750 *1750	3005	3005	930	0-9 *9.5	2600	2975	2975	3215	

NOTE: (1) Dual wheels weight +110kg

(2)* (front wheel) is dual wheel load capacity.

(3) Max. lifting height without bracket: 470mm

(4) Free lifting height without bracket: +470mm

(5) Rate of capacity with (7) shows capacity with front dual tires.