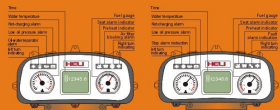


Reliable forklift

Reliable special designed instrument

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

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



5-10 ton
ENGINE POWERED
FORKLIFT

STANDARD EQUIPMENT

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

OPTIONS

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

ANHUI HELI CO., LTD.
NO.688 Fangxing Street, Economical Development Zone,
Hefei, P.R.China
TEL: (86) 551 63633968 63639258 63639358 63962105
FAX: (86) 551 63633966
WEBSITE: http://www.heli.china.net

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Catalog No.2014-06 HELI Print

HELI
LIFTING THE FUTURE

5-10 ton
ENGINE POWERED
FORKLIFT

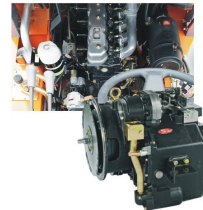


h2000
SERIES
Reliable forklift

ENGINE POWERED
FORKLIFT
5-10 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 the world market. Meanwhile, various ancillary devices of the power system ensure the reliability effectively.

- ✓ Durable transmission
- ✓ Equipped with the intake system
- ✓ Standard distribution of air filter pressure alarm device
- ✓ Automatic engine preheating system
- ✓ Cyclone Air Filter
- ✓ Various high-power engines are available for customers' optional choices.

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 steel material for triplex mast
- ✓ The frame of mast has more strength basing on the enlarged channel interface.

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



A reliable steering system

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



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

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.

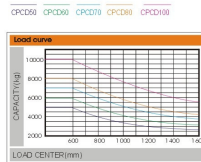
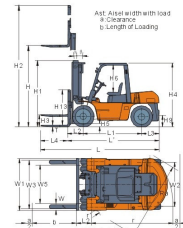
- ✓ Newly patented insulation materials of hood
- ✓ Well-designed anti-slip mat
- ✓ Special display with easily reading
- ✓ Standard files packet
- ✓ Standard distribution of overhead guard raincoat
- ✓ Filled with noise-reducing and buffer rubber material between hood and chassis

Manufacturers Data and Design Characteristics

Characteristics		HELI																	
1 Manufacturer																			
2 Model		CPCD50			CPCD60	CPCD70	CPCD80	CPCD100	CPCD50	CPCD60	CPCD70	CPCD80	CPCD100	CPCD50	CPCD60	CPCD70			
3 Power unit					Diesel					Diesel					Diesel				
4 Rated Capacity	Q kg	5000			6000	7000	8000	10000	5000	6000	7000	8000	10000	5000	6000	7000			
5 Load Center	c mm				600					600					600				
6 Operation					Driver Seated					Driver Seated					Driver Seated				
Dimensions																			
7 Overall max lifting height (with backrest)	H2 mm	4400			4400	4400	4430	4035	4400	4400	4400	4430	4035	4400	4400	4400			
8 Max lifting height	H mm									3000									
9 Height mast (retracted/upright)	H1 mm	2500			2500	2500	2700	2850	2500	2500	2500	2700	2850	2500	2500	2500			
10 Free lift height	H3 mm				200					200					200				
11 Backrest height (from upper face of forks)	H13 mm	1355			1350	1345	1374	1015	1355	1350	1345	1374	1015	1355	1350	1345			
12 Overhead Guard clearance (from face of seat)	H8 mm				1120					1120					1120				
13 Overall height (overhead guard)	H4 mm	2450			2450		2580	2580	2450	2450	2450	2580	2580	2450	2450	2450			
14 Overall length (with forks)	L mm	4600			4735	4800	5160	5480	4660	4735	4800	5160	5480	4660	4735	4800			
15 Overall length (without forks)	L' mm	3440			3515	3580	3940	4260	3440	3515	3580	3940	4260	3440	3515	3580			
16 Front overhang	L2 mm	590			595	600	700	718	590	595	600	700	718	590	595	600			
17 Rear overhang	L3 mm	600			675	740	740	740	600	675	740	740	740	600	675	740			
18 Wheel base	L1 mm	2250			2250	2250	2500	2900	2250	2250	2250	2500	2900	2250	2250	2250			
19 Coupler height	H9 mm	430			430	430	540	540	430	430	430	540	540	430	430	430			
20 Min ground clearance under mast	H5 mm	200			200	200	245	245	200	200	200	245	245	200	200	200			
21 Overall width	W1 mm	1995			1995	1995	2185	2185	1995	1995	1995	2185	2185	1995	1995	1995			
22 Lateral fork adjustment outside of fork (Max./Min.)	W5 mm	1845/300			1845/300	1845/300	2000/340	2140/410	1845/300	1845/300	2000/340	2140/410	2140/410	1700/300	1700/300	1700/300			
23 Tread (front)	W2 mm	1470			1470	1470	1600	1600	1470	1470	1600	1600	1470	1470	1470	1470			
24 Tread (rear)	W2 mm	1700			1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700			
25 Outside turning radius	r mm	3250			3300	3300	3700	3900	3250	3300	3300	3700	3900	3250	3300	3370			
26 Inside turning radius	r' mm	200			200	200	200	200	200	200	200	200	200	200	200	200			
27 Min intersecting axis	Ast mm	2960			3000	3040	3310	3540	2960	3000	3040	3310	3540	2960	3000	3040			
28 Mast tilting angles (forward/backward)	α/β °				6°/12°					6°/12°					6°/12°				
29 Fork dimensions (a×b×c)	mm	55×1220×150			60×1220×150	65×1220×150	70×1220×170	80×1220×175	55×1220×150	60×1220×150	65×1220×150	70×1220×170	80×1220×175	55×1220×150	60×1220×150	65×1220×150			
Performance																			
30 Max. Traveling speeds (With/Without load)	km/h	25/29			25/29	25/29	25/29	25/29	26/33	26/33	26/33	26/28	26/33		26/33				
31 Lifting Speed (With/Without load)	mm/s	510/530			510/530	500/520	400/430	330/350	550/580	550/580	470/560	380/410	310/350	530/550	530/550	510/540			
32 Lowering Speed (With/Without load)	mm/s					<60/9>300					<60/9>300				<60/9>300				
33 Max. Draw-bar pull (With load)	kN	63			63	62	63	61	53	53	52	58	57	60	60	60			
34 Max. Gradeability (With/Without load)	%	38/19			35/19	32/19	25/21	20/20	30/19	27/19	25/19	21/20	19/20	34/19	31/19	29/19			
Weights																			
35 Service Weight	kg	7980			8640	9350	10960	12510	7980	8640	9350	10960	12510	7980	8640	9350			
36 Load Wheel with load (Front/Rear)	kg	11660/1320			13501/1590	14570/1780	17000/1960	20380/2130	11660/1320	13050/1590	14570/1780	17000/1960	20380/2130	11660/1320	13050/1590	14570/1780			
37 Load Wheel without load (Front/Rear)	kg	4010/3970			3880/4760	3660/5490	4540/6120	5700/6810	4010/3970	3880/4760	3660/5490	4540/6120	5700/6810	4010/3970	3880/4760	3660/5490			
Tires																			
38 Wheels number front/rear (x=drive)					4x/2								4x/2						
39 Tyre Type					Pneumatic tyre								Pneumatic tyre						
40 Tyre size (front)					8.25-15-14PR								8.25-15-14PR						
41 Tyre size (rear)					8.25-15-14PR								8.25-15-14PR						
42 Service Brake					Hydraulic-Foot Pedal								Hydraulic-Foot Pedal						
43 Parking Brake					Mechanical-hand brake rod								Mechanical-hand brake rod						
Options																			
44 Battery (Voltage/Capacity)	V/Ah				2x12/80								2x12/80						
45 Internal Combustion Engine Model					Cummins QSB4.5								Perkins 1104D-44TA						
46 Engine type					Electronic controlling, Turbocharged, Air-to-air intercooled diesel engine								Turbocharged, Air-to-air intercooled diesel engine						
47 Internal Combustion Engine Rated Output	kW/psi				82/2200								83/2200						
48 Internal Combustion Engine Rated Torque	Nm/psi				488/1500								418/1400						
49 Internal Combustion Engine Number of Cylinder					4								4						
50 Internal Combustion Engine Displacement	L				4.5								4.4						
51 Internal Combustion Engine Fuel Tank Capacity	L				140								140						
52 Transmission type					Power Shift								Power Shift						
53 Transmission Number of Speed Fwd/Bwd		2/2			2/2		2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2			

Engine Model and Main Specification for Option

Internal Combustion Engine Model	Engine type	Internal Combustion Engine Rated Output kW/psi	Internal Combustion Engine Rated Torque Nm/psi	Internal Combustion Engine Displacement L	Internal Combustion Engine Number of Cylinder
Isuzu 6BGTR	Normally Aspirated	82/2000	415/1400-1600	6.494	6



Note:
Capacities shown are computed with upright in vertical position, based on a 1030 mm cube load configuration with the center of gravity at the true center of the cube, and standard tires. Truck capacities with upright in forward lift position will be less. Long forks, and unusually wide or loads may also reduce capacity.

8-10t WIDE VIEW MAST

Mast model	Max. Fork Height (mm)	Load Capacity (kg)			Overall Mast Height (At Lowers) (mm)		Service Weight (kg)		Tilting Angle (deg.)
		CPCD60	CPCD100	CPCD80	CPCD100	CPCD80	CPCD100		
M250	2500	6000	-	2450	10970	-	-	6-12	
M270	2700	6000	-	2550	10920	-	-	6-12	
M290	2900	6000	-	2650	10860	-	-	6-12	
M300	3000	6000	10000	2700	10800	12150	12150	6-12	
M350	3500	6000	10000	2950	11000	12680	12680	6-12	
M375	3750	6000	10000	3075	11100	12710	12710	6-12	
M400	4000	6000	10000	3250	11310	12490	12490	6-12	
M425	4250	6000	10000	3375	11360	12510	12510	6-12	
M450	4500	6000	10000	3500	11400	12560	12560	6-12	
M475	4750	7750	10000	3625	11450	12620	12620	6-6	
M500	5000	7750	10000	3750	11500	12670	12670	6-6	
M525	5250	7750	10000	3875	11550	12710	12710	6-6	
M550	5500	7750	10000	4000	11600	12760	12760	3-6	

8-10t WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. Fork Height (mm)	Load Capacity (kg)			Overall Mast Height (At Lowers) (mm)		Service Weight (kg)		Free lift with Backrest (mm)	Free lift without Backrest (mm)	Tilting Angle (deg.)
		CPCD60	CPCD100	CPCD80	CPCD100	CPCD80	CPCD100	CPCD80	CPCD100		
Z9M60	3600	7000	8000	2450	11360	12680	1092	1310	6-12		
Z9M80	4000	7000	8000	2575	11420	12640	1217	1440	6-12		
Z9M95	4300	7000	8000	2700	11480	12700	1342	1560	6-12		
Z9M100	4500	7000	7500	2825	11570	12760	1492	1710	6-6		
Z9M120	5000	7000	7500	2950	11640	12810	1592	1775	6-6		
Z9M140	5400	6600	7000	3075	11710	12860	1717	1965	3-6		
Z9M160	6000	6000	6000	3375	12050	12960	2017	2165	3-6		
Z9M180	6600	5500	6000	3500	12150	13250	2242	2335	3-6		
Z9M200	7000	4500	4500	3750	12400	13500	2582	2582	3-6		

NOTE: DIMENSION OF THE HEIGHT WITHOUT LIFT BRACKET <1030mm> (without load and mast)

5-7t WIDE VIEW MAST

Mast model	Max. Fork Height (mm)	Load Capacity (kg)			Overall Mast Height (At Lowers) (mm)			Service Weight (kg)		Tilting Angle (deg.)
		CPCD60	CPCD70	CPCD70	CPCD60	CPCD60	CPCD70	CPCD60	CPCD60	
M200	3000	6000	6000	7000	2000		7036	8436	9205	6-12
M250	3000	6000	6000	7000	2500		7700	9000	9773	6-12
M370	3000	6000	6000	7000	3500		7930	8800	9500	6-12
M400	3000	6000	6000	7000	2500		7900	8640	9350	6-12
M430	3000	6000	6000	7000	2500		8000	8600	9400	6-12
M560	3000	6000	6000	7000	2750		8000	8720	9440	6-12
M575	3750	6000	6000	7000	2675		8100	8760	9480	6-12
M600	3000	6000	6000	7000	3000		8270	8930	9600	6-12
M625	4250	5000	6000	7000	3175		8310	8870	9600	6-12
M650	4500	5000	6000	7000	3300		8390	9010	9730	6-12
M675	4500	5000	6000	7000	3425		8500	9050	9800	6-6
M600	5000	5000	6000	7000	3550		8430	9090	9810	6-6
M650	5000	4750	5700	6800	3850		8630	9290	10000	6-6
M700	5000	5400	5400	6400	4100		8710	9370	10100	3-6