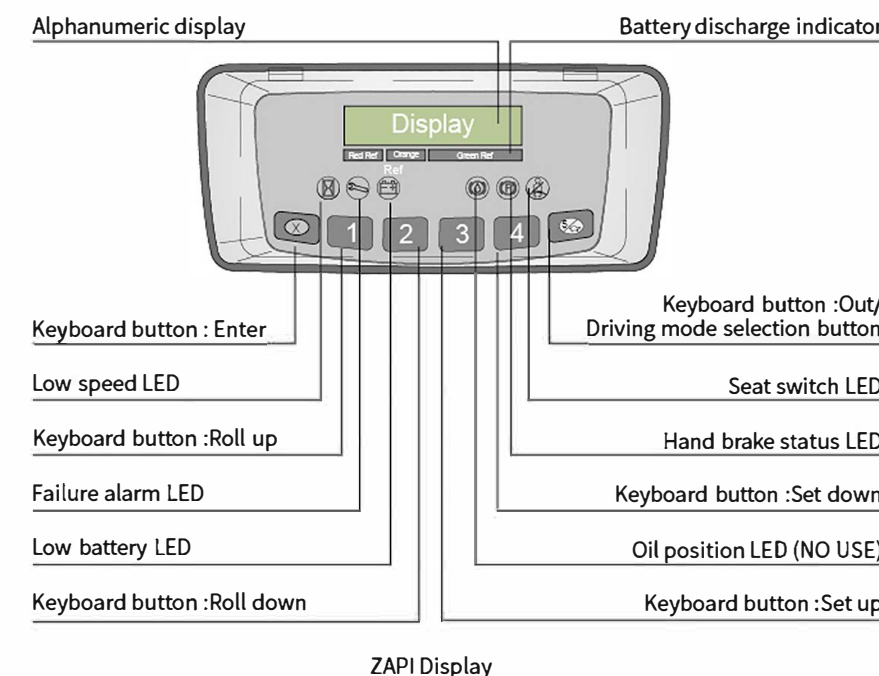


Reliable special designed instrument



Reliable special meter displays the whole truck's working condition, fault detect and other important information completely which makes the operator master the whole truck condition directly and conveniently.

Standard configuration

- Standard of driver presence sensing system
- Automatic speed limitation while turning
- All solid tire
- Automatic water filling
- Intergrated fork positioner
- Full suspension seat
- Full vehicle led lights
- Double rear working lights
- Rotating beep warning light
- Automatic parking
- Four piece valve, double overload, rubber hose and Pulley block
- Domestic leoch battery
- CPD100-GB2 marking 1820 fork

Optional device

- Synchronous steering
- Electric-hydraulic braking
- Cab
- Windshield (front windshield/window, top windshield/ window, rear windshield/window)

8.5-10 t

G series battery powered counterbalanced Forklift truck (Lead acid/Lithium)



High stability and reliability

- Mature and reliable, excellent performance of international core components: wheel-driving unit, AC traction motor, AC pump motor and controller ,etc;
- Lowering height of gravity center by optimizing the quality distribution of the whole vehicle, the load capacity of mast in high-order position is stronger than trucks with the same tonnage.

Active safety

- Active safety protection, actively slowing down and implementing the parking brake after parking when the critical components are out of order;
- System monitoring the brake temperature is too high, the vehicle limits the speed and travels with the tortoise speed;
- Automatic speed limitation while turning;
- Driver presence sensing system;
- Terminal buffer of lifting, other aspects implement active safety protection.

High efficiency and Energy-saving

- Compact body design makes the vehicle having great flexibility, moving freely as one wishes even in a small space;
- Low vehicle weight ensures low energy consumption;
- Energy-saving type hydraulic system with double pump confluence;
- Full hydraulic synchronous steering system ensures more accurate steering control (Optional);
- Power recovery has priority, piecwise superimposed electric-hydraulic braking with energy regeneration (Optional).
- The Lithium battery forklift equipped with 80V/2*200A fast charger.

Intellectualization

- The circulating cooling system based on multi-point temperature intelligent control makes the temperature of each component in the optimum working range;
- The electronic fan with independent hydraulic oil cooling adopts intelligent control to start and stop, achieving the effect of saving energy and reducing noise at the same time.

Comfortable

- Import super silent gear pump and motor damping pad to ensure low noise of vehicle;
- Fully suspension operator's seat.

Convenient maintenance

- Auto water filling (Lead acid battery) ;
- The body equips with independent interlocking vehicle fast charging interface, intelligent control and diagnosis function to ensure charging safety;
- Maintenance free wet braking;
- Within 30s after vehicle shutdown, the reversal of cooling can remove dust, maintenance free;
- The two groups of batteries are symmetrically arranged on the left and right sides, and can be quickly replaced at any time by lateral side shovel;
- The height of electric control warehouse is suitable for maintenance.

Exterior and Vision

- Fire-new exterior design, the body lines are smooth, beautiful and streamlined;
- Super-low height of balance weight without tailstock, which provides the driver with an excellent rear vision field.



HELI smart fleet management system (optional)

- Vehicle positioning
- Remote diagnosis
- Remote monitoring
- Maintenance reminder
- Battery management
- Statistical form
- Vehicle management
- Identification recognition (optional)
- Weight management (optional)
- Collision management (optional)



G SERIES 8.5-10t

Manufacturer and technical parameters

		HELI					
		CPD85		CPD100		CPD100	
1.01	Manufacturer	HELI					
1.02	Model	CPD85	CPD100	CPD85	CPD100	CPD85	CPD100
1.03	Configuration number	GA2	GA2	GB2	GA2Li	GA2Li	GB2Li
1.04	Rated capacity	Q(kg)	8500	10000	10000	8500	10000
1.05	Load center distance	c(mm)	600	600	600 ^h	600	600 ^h
1.06	Power mode	Lead acid battery			Lithium Battery		
1.07	Driving mode	Seated			Seated		
1.08	Wheel base	L1(mm)	2400	2580	2400	2580	
2.01	Tyre type	Solid type			Solid type		
2.02	Wheel number(front/rear)	4x/2			4x/2		
2.03	Front wheel base	W3/W4(mm)	1636/1524			1636/1524	
2.04	Tyre(front/rear)	8.25-15/250-15			8.25-15/250-15		
3.01	Front overhang	L2(mm)	660			660	
3.02	Mast tilt angle, front/rear	α/β(°)	6/9			6/9	
3.03	Height with mast retraction	H1(mm)	2700	2850	2950	2700	2850
3.04	Free lifting height	H3(mm)	180			180	
3.05	Max. Lifting height	H(mm)	3000			3000	
3.06	Overhead guard height	H4(mm)	2445			2445	
3.07	Overhead guard clearance(from face of seat)	H7(mm)	1024			1024	
3.08	Max. Height under working condition	H2(mm)	4226	4360	4510	4226	4360
3.09	Traction pin center height	H9(mm)	687	677	677	687	677
3.10	Backrest height(calculated from the fork surface)	H13(mm)	1012			1012	
3.11	fork size: thickness×width×length	T×W×L4(mm)	85×175×1370		85×175×1820		85×175×1820
3.12	Truck body length(with forks)	L(mm)	4950	5130	5580	4950	5130
3.13	Truck body length(without forks)	L'(mm)	3580	3760	3760	3580	3760
3.14	Truck body width	W2(mm)	2116/1750		2116/1750		3760
3.15	Turning radius	r(mm)	3140	3320	3140	3320	
3.16	Clearance between mast and ground	H5(mm)	130/150			130/150	
3.17	Clearance between wheel base center and ground (loaded)	H6(mm)	170/180			170/180	
3.18	Right angle stacking aisle width(pallet1000×1200mm across forks, clearance 200mm)	Ast(mm)	5000	5180	5180	5000	5180
3.19	Right angle stacking aisle width(pallet800×1200mm along forks, clearance 200mm)	Ast'(mm)	5200	5380	5380	5200	5380
3.20	Lateral fork adjustment (outside of fork)(min/max)	W6(mm)	420-2060			420-2060	
4.01	Travelling speed: loaded/unloaded	km/h	14/16	13/15	13/15	14/16	13/15
4.02	Lifting speed: loaded/unloaded	m/s	0.30/0.37	0.245/0.335	0.245/0.335	0.30/0.37	0.245/0.335
4.03	Lowering speed: loaded/unloaded	m/s	0.42/0.38			0.42/0.38	
4.04	Gradeability (loaded/unloaded)	%	15/25	15/20	15/20	15/25	15/20
4.05	Max. Traction force(loaded)	kN	35	45	45	35	45
4.06	Acceleration time(10m) loaded/unloaded	s	6/5	6/5	6/5	6/5	6/5
5.01	Total weight(with/without battery)	kg	12600/9600	13200/9800	14160/10840	11660/10560	12900/11800
5.02	Axle unloaded, front/rear	kg	6370/6230	6795/6415	7020/7140	5725/5935	6495/6415
5.03	Axle loaded, front/rear	kg	19330/1770	21670/1530	21910/2250	18690/1470	21370/1530
6.01	Battery voltage/capacity(discharging capacity in 5 hours)	V/Ah	80/1120	80/1240	80/1240	80/808	80/1084
6.02	Battery weight	kg	1500×2	1600×2	1600×2	550×2	550×2
7.01	Drive motor power(s2-60min)	kW	AC17.1×2			AC17.1×2	
7.02	Lifting motor power(s3-15%)	kW	AC26.5×2			AC26.5×2	
7.03	braking motor power(s3-15%)	kW	AC 5			AC 5	
7.04	Drive motor controlling mode		MOSFET/AC			MOSFET/AC	
7.05	Lifting motor controlling mode		MOSFET/AC			MOSFET/AC	
7.06	Braking motor controlling mode		MOSFET/AC			MOSFET/AC	
8.01	Service brake		Hydraulic wet brake			Hydraulic wet brake	
8.02	Parking brake		Hydraulic, Electric switch			Hydraulic, Electric switch	
8.03	Hydraulic system working pressure	MPa	20			20	
8.04	Type of drive control		ZAPI			ZAPI	

Note 1: This model is reinforced, and the difference between GA2 and GB2 is that it has the ability of 9t at the center of 900 load. See the load curve for details.

