



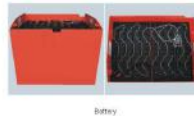
Manufacturers Data and Design Characteristics					
Classification					
1.01	Manufacturer's Name	HELI			
1.02	Model Designation	CPD40	CPD45	CPD50	
1.03	Configuration Number	B2			
1.04	Load Capacity	G (kg)	4000	4500	5000
1.05	Load Center	c (mm)	500		
1.06	Power Type	Battery			
1.07	Operator Type	Sit-down			
1.08	Wheelbase	p (mm)	1000		
General Data					
2.01	Tire Type	SuperHARD			
2.02	Tread Number (Front/Rear)	3/2			
2.03	Tread centre of tyre front	B10 (mm)	1120	1120	1150
2.04	Tread centre of tyre rear	B11 (mm)	590		
2.05	Tire Size, Front/Rear	250-15/215-9			
Dimensions					
3.01	Load Distance	a (mm)	500		
3.02	Max Tilt Angle(FSR)	α/β (°)	5/10		
3.03	Height with Mast Lowered	H1 (mm)	2382	2375	2374
3.04	Free Lift	H2 (mm)	90		
3.05	Standard Lift Height	H3 (mm)	3000		
3.06	Height with Mast Extended	H4 (mm)	4210	4210	4205
3.07	Overhead Guard Height	H6 (mm)	2290	2290	2285
3.08	Fork Rise T x W x L	t (mm)	55 x 150 x 1970		
3.09	Fork Carriage DA 15173 Ag	SA			
3.10	Length to fork face	L1 (mm)	2750		
3.11	Overall length	L1 (mm)	1360/1250	1360/1250	1364/1320
3.12	Outside Turning Radius	R4 (mm)	3520		
3.13	Ground Clearance at mast Loaded	m1 (mm)	140	140	135
3.14	Ground Clearance at centre of wheelbase, Loaded	m2 (mm)	150	150	150
3.15	Right Side-Aisle width (Fork size 100x100mm, clearance 200mm)	Aa2 (mm)	420		
3.16	Right Side-Aisle width (Fork size 100x120mm, clearance 200mm)	Aa2 (mm)	447.0		
Performance					
4.01	Travel Speed without load	km/h	14/15	13.5/14.5	13/14
4.02	Lifting Speed without load	mm/s	300/450	300/450	350/430
4.03	Lowering Speed	mm/s	410		
4.04	Gradient performance with load	%	16	15	13
4.05	Max. draw bar pull with load	N	21000		
4.06	Acceleration time (0 to max) W/O load	s	3.3/5.0	5.5/5.2	5.7/5.4
Weight					
5.01	Total Approximate Weight(W/O battery)	kg	6450/4750	6850/4650	7225/5025
5.02	Axle Loading, Unloaded Front/Rear	kg	3900/2550	3100/2700	3200/2970
5.03	Axle Loading, Loaded Front/Rear	kg	5400/4045	6025/4135	6100/4120
Battery					
6.01	Battery voltage/nominal capacity(1hr)	V/Ah	48V/600	48V/650	60V/750
6.02	Battery weight	kg	1700	1900	1900
6.03	Battery standard		D1		
Motor & Controller					
7.01	Drive Motor - 60 Min. Rating	kW	18		
7.02	Pump Motor - 15 Min. Rating	kW	8.0+13		
7.03	Drive Motor Control Method		MOSFET/AC		
7.04	Pump Motor Control Method		MOSFET/DC		
7.05	Service Brake/Parking Brake		Hydraulic/Mechanical		
7.06	Brake Pressure	MPa	16	18	18



ZAP SMART Interactive multi-function LCD Instrument



Battery with automatic water inlet device

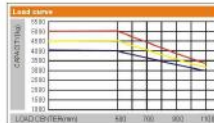


Renewable energy technologies

With the use of the excellent load-sensing steering system and AC controlling renewable energy technologies, the battery is more energy-saving and the working hour of the battery is extended by 15%.

↑ 15%
THE PERFORMANCE OF BATTERY INCREASED

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



CPD40 CPD45 CPD50

Note:

Vertical axle stands for load capacity while horizontal axle stands for load center. Load center is the distance counted from the front of the fork. The safe point of the standard load is the center point of the cargo within the same 1000mm dimension in length, width and height. The load capacity should be down if you use the lowest, long non-standard forks or loading goods with extra width. Please notice the different load capacity between different load centers according to load chart.

4-5t WIDE VIEW MAST

Mast model	Max. Fork height (mm)	Load Capacity (Load centre 500mm) (kg)			Overall Height (mm)		Tilt Angle (°)
		CPD40	CPD45	CPD50	CPD40-45	CPD50	
M100	3000	4000	4500	5000	2382	2374	5/10
M130	3500	4000	4500	5000	2532	2524	5/10
M150	3500	4000	4500	5000	2632	2624	5/10
M170	3700	4000	4375	4925	2732	2724	5/10
M175	3750	4000	4300	4910	2757	2749	5/10
M180	4000	4000	4300	4750	2932	2924	5/10
M125	4200	3900	4200	4650	3057	3049	5/10
M155	4500	3800	4100	4300	3182	3174	5/10
M175	4750	3750	4000	4200	3307	3299	5/10
M100	5000	3650	3900	4100	3432	3424	5/10
M150	5500	3500	3750	3950	3732	3724	5/10
M100	6000	3200	3350	3600	3982	3974	5/10

4-5t WIDE VIEW FULL FREE 3-STAGE MAST

Mast Model	Max. Fork height (mm)	Load Capacity (Load centre 500mm) (kg)			Overall Height (mm)		Free lift (with 500mm load) (mm)	Tilt Angle (°)
		CPD40	CPD45	CPD50	CPD40-45	CPD50		
Z9M350	2600	3050	4150	4500	2120	2112	900	5/10
Z9M400	4000	3150	4050	4400	2280	2247	1035	5/10
Z9M435	4350	3610	3910	4310	2370	2362	1050	5/10
Z9M450	4500	3550	3850	4250	2420	2412	1200	5/10
Z9M470	4700	3490	3790	4170	2485	2477	1265	5/10
Z9M490	4900	3490	3750	4130	2520	2512	1300	5/10
Z9M500	5000	3430	3700	4050	2605	2607	1415	5/10
Z9M550	5500	3250	3550	3900	2855	2847	1635	5/10
Z9M600	6000	2990	3100	3600	3100	3012	1862	5/10

NOTE: Free lift height without load, ±30mm.

3 SERIES

4-5 ton
AC ELECTRIC
FORKLIFT

STANDARD EQUIPMENT

Wide view mast
Standard fork
1111 fork carriage
Backrest
Two-spoke control valve
Battery group
Standard seat
Overhead guard
Overhead guard harness
LCD combined display
Solid tyre
Traction bar
Attached tools

OPTIONS

Boom
Load hook
Load bar
Turning fork
Back view mirror
Side shifter
Paper roll clamp
Rear work light
Alarm lamp
Windshield
Multi function horn/clamp
Load stabilizer
Valved fork holder
Lengthened fork
Load pulper
Sleeve on fork
Rotating fat clamp
Accessory hydraulic component
Tilt steering cylinder (optional device)
Colored tyre
Wide view triplex mast with full free length
Customer related color

ANHUI HELI CO., LTD.

TOP1 FORKlift MANUFACTURER AND SALES
WORLDWIDE CELEBRATION 20 OR 20 YEARS

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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Display No. 2013.2 HELI Fork

4-5 ton
AC ELECTRIC
FORKLIFT

3 SERIES

HELI

CHINESE EXPORT BRAND

By China Chamber of Commerce for Import and Export of Machinery
And Electric ProductsAC ELECTRIC
FORKLIFT 4-5 ton

Newly designed wide-view mast



The newly designed wide-view mast enlarges operators' view effectively and leaves the blind area to provide a clearer vision.

Excellent lift control system



Imported Rexroth in-flow valve, reliable quality, energy-saving and efficient.

AC drive motor

Adopt international famous brand integrated drive axle, contains the core components of the AC motor, wet brakes, gearbox.



High efficiency loading/unloading performance

The confluence of double pump, load sensing hydraulic technology, efficient handling efficiency.



- ✓ Low flow speed & high torque lifting motor
- ✓ Motor oiling system
- ✓ Low water pump pump
- ✓ The hydraulic device load sensing technology

Enough operation space

The new optimized layout widens the operator space for ensuring more comfortable and convenient operation.



More intelligent performance

The truck equipped with more intelligence functions not only ensures the safety performance, but also improves the efficiency and reduces energy consumption.

- ✓ AC traction controller
- ✓ Presence of alarm system
- ✓ Standard CAN BUS
- ✓ Emergency power off the main circuit
- ✓ Self-loading on ramp
- ✓ Presence of electric operating
- ✓ Electric control for self-protecting
- ✓ Speed selection for truck (forward/reverse)



ZHFC CONTROLLER