



1-25 ton AC ELECTRIC FORKLIFT

STANDARD EQUIPMENT

Wide view mast
Standard fork
II (III) fork carriage
Backrest
Two-spool control valve
Battery group
Standard seat
Overhead guard
Overhead guard raincoat
LCD combined display
Pneumatic tyres
Traction bar
Attached tools

OPTIONS

Boom
Cab
Load hook
Load pusher
Hinged fork
Back view mirror
Side shifter
Paper roll clamp
Alarm lamp
Solid tyre
Rear work lights
Protective fences
Multi function barrel clamp
Load stabilizer
Widened fork carriage
Lengthened fork
Load pusher
Fork sleeve
Rotating flat clamp
Dual-tyres protector
Accessory hydraulic component
Tilt/Steering cylinder protection sleeve
Colored tyre(white/green)
Wide view double/triplex full free mast
User-specified color

ANHUI HELI CO., LTD.

NO.668 Pangang Street, Economic Development Zone,
Hefei, P.R. China
TEL: (0086) 551 63639068, 63639258, 63639358, 63662105
FAX: (0086) 551 63639965
WEBSITE: <http://www.helichina.net>

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



TOP1 FORKLIFT MANUFACTURING AND SALE
IN CHINA CONTINUOUSLY FOR 22 YEARS

AUTHORIZED DEALER

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1-25 ton AC ELECTRIC FORKLIFT

HELI

CHINESE EXPORT BRAND

Recommended
By China Chamber of Commerce for Import and Export of Machinery
And Electric Products



AC ELECTRIC FORKLIFT 1-25 ton

Newly designed wide-view mast



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

Excellent steering system



The Steering system with new technologies not only provides a smoother swerve and faster positioning & steering, but also effectively lowers down the noise.

- ✓ New integrated load-sensing steering
- ✓ Power Steering
- ✓ New low-noise gear pump with differential tooth technology

AC drive motor



The wonderful combination of high-power AC motor and the new style gearbox by independent R&D fully enhance the performance of acceleration, driving and grade ability.

- ✓ Large ratio gearbox
- ✓ Motor maintenance
- ✓ Maintain more efficient
- ✓ Renewable energy technologies

1-15 ton
↑15%
THE MAXIMUM TRAVEL SPEED INCREASES

2-2.5 ton
↑11%
THE MAXIMUM TRAVEL SPEED INCREASES

3-4.5 ton
↑20%
GRADEST PERFORMANCE INCREASES

5-2.5 ton
↑50%
GRADEST PERFORMANCE INCREASES

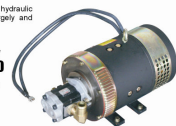
High efficiency loading/unloading performance

The innovative design and configuration of hydraulic system improve the working efficiency largely and provide a very efficient loading/unloading.

↑20%
THE MAXIMUM UNLOADED LIFTING SPEED INCREASES

↑12%
THE MAXIMUM UNLOADED LIFTING SPEED INCREASES

- ✓ New low-speed & high-torque lifting motor
- ✓ MOSFET lifting controller
- ✓ New dynamic load sensing technology in hydraulic system
- ✓ Optional AC lifting system greatly enhances the loading/unloading performance.



Enough operation space

The new optimization 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.

- ✓ Standard CAN BUS
- ✓ Self-braking on ramp
- ✓ Preventing abnormality operating
- ✓ AC traction controller
- ✓ Emergency power shut-down
- ✓ Electro controller self-protecting
- ✓ Presence of driver sensing system
- ✓ Speed selection function (normal/cutback)

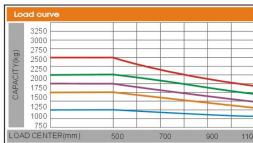
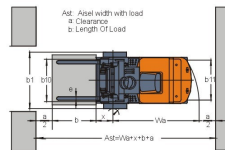
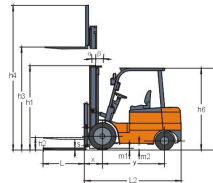


CURTIS CONTROLLER

ZAPI CONTROLLER



AC ELECTRIC
FORKLIFT **1-2.5 ton**



1.0t 1.5t 1.8t 2.0t 2.5t

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 base point of the standard load is the center point of the cubic with the same 1000mm dimension in length, width and height. The load capacity should be down, if mask bits forward, using non-standard forks or loading goods with extra width. Please notice the different load capacity between different load centers according to load chart.

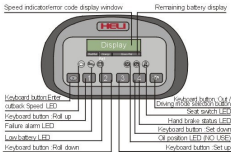


Renewable energy technologies

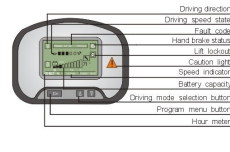
With the use of the excellent load-sensing steering system and AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.

↑ 15%
THE PERFORMANCE OF BATTERY
INCREASES

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.



ZAPI Display



CURTIS Display

Manufacturers' Data and Design Characteristics

Characteristics		HELI															
1.01	Manufacturer's Name			CPD10		CPD15				CPD18			CPD20		CPD25		
1.02	Model Designation																
1.03	Configuration Number			FJ1	FJ2	FJ1		FJ2	CJ1	CJ2	CJ1	CJ2	FJ1	FJ2	FJ1	FJ2	
1.04	Load Capacity	Q (kg)		1000				1500				1750				2500	
1.05	Load Center	C (mm)								500							
1.06	Power Type									Battery							
1.07	Operator Type									Seated							
1.08	Wheelbase	y (mm)		1250		1250		1370				1370				1515	
Wheels & Tyres																	
2.01	Tyre Type	Pneumatic															
2.02	Tyres Number (Front/Rear)	2/2															
2.03	Tread:center of tyre, front	b10 (mm)				890				920				960			
2.04	Tread:center of tyre, rear	b11 (mm)		920				920						950		170	
2.05	Tyre Size, Front					6.50-10-10PR								7.00-12-12PR		18×7-8-14PR	
2.06	Tyre Size, Rear					5.00-8-10PR											
Dimensions																	
3.01	Load Distance	x (mm)		421		425		425		425		483		483			
3.02	Mast Tilt Angle, F/R	α / β (°)		6/12		6/12		6/12		6/12		6/12		2000			
3.03	Height with Mast Lowered	h1 (mm)		1995		1995		1995		1995		1995		1995		2000	
3.04	Free Lift	h2 (mm)		150		150		150		150		150		150		170	
3.05	Standard Lift Height	h3 (mm)		3000		3000		3000		3000		3000		3000		3000	
3.06	Height with Mast Extended	h4 (mm)		4008		4005		2160		2160		2160		3955		3955	
3.07	Overhead Guard Height	h6 (mm)		2130		2130		2130		2160		2160		2130		2130	
3.08	Fork Size	s/e/L (mm)		32×100×770		35×100×920		35×100×920		35×100×920		45×100×920		45×100×1070		45×100×1070	
3.09	Fork Carriage to DIN 15173 A/B	2A		2A		2A		2A		2A		2A		2A		2A	
3.10	Length to fork face	L2 (mm)		2005		2040		2130		2160		2160		2398		2398	
3.11	Overall Width	b1 (mm)		1070		1070		1070		1070		1070		1150		1150	
3.12	Outside Turning Radius	Wa (mm)		1800		1820		1930		1960		1960		2065		2065	
3.13	Ground Clearance at mast, Loaded	m1 (mm)		110		110		110		110		110		140		140	
3.14	Ground Clearance at centre of wheelbase, Loaded	m2 (mm)		125		125		125		125		125		155		155	
3.15	Right Stack Axle width (Pallet size 1000x1000mm, clearance 200mm)	Ast (mm)		3420		3445		3560		3590		3748		3808		3808	
3.16	Right Stack Axle width (Pallet size 1200x1200mm, clearance 200mm)	Ast (mm)		3620		3645		3760		3790		3948		3948		3948	
Travel Speed																	
4.01	Travel Speed with/without load	km/h		14/15		14/15		14/15		14/15		14/15		14/15		14/15	
4.02	Lifting Speed with/without load	mm/s		290/450		270/450		280/530		280/490		280/490		260/490		260/490	
4.02	Lifting Speed with/without load	mm/s		350/490		340/490		330/490		330/490		350/440		310/440		310/440	
4.03	Lowering Speed	mm/s								450							
4.04	Gradient performance with load	%		18		17		8800		15		16		15		15	
4.05	Max. draw bar pull with load	N		7800		8600		8800		9500		12300		12800		12800	
4.06	Acceleration time (10 metres) W/O load	s		4.4/4.1		4.5/4.2		4.5/4.2		4.8/4.5		4.8/4.3		5.0/4.6		5.0/4.6	
Total Approximate Weight (W/O battery)		kg		2650		2950		3000		3250		4050		4200		4200	
5.01	Axle Loading*, Unloaded Front/Rear	kg		1200/1450		1330/1620		1380/1640		1450/1900		1820/2230		1900/2300		1900/2300	
5.03	Axle Loading*, Loaded Front/Rear	kg		3285/365		4000/450		4030/470		4500/500		5450/6000		6030/670		6030/670	
Battery																	
6.01	Battery Voltage/rated capacity (Sh)	V/Ah		48/480		48/550		48/550		48/550		48/600		48/600		48/600	
6.02	battery weight	kg		975		1075		1075		1075		1125		1125		1125	
6.03	Compartment for Battery Size	mm		617×980×485		727×980×500		727×980×500		727×980×500		727×980×500		727×980×500		727×980×500	
Motor & Control																	
7.01	Drive Motor - 60 Min. Rating	kW				8.0(AC)		8.0(AC)		8.0(AC)		8.0(AC)		11.1(AC)		11.1(AC)	
7.02	Pump Motor - 15 Min. Rating	kW				7.5(DC)		7.5(DC)		7.5(DC)		7.5(DC)		10.5(DC)		10.5(DC)	
7.02	Pump Motor - 15 Min. Rating	kW				10(AC)		10(AC)		10(AC)		10(AC)		12(AC)		12(AC)	
7.03	Drive Motor Control Method	MO\$FET/AC															
7.04	Pump Motor Control Method	MO\$FET/DC															
7.04	Pump Motor Control Method	MO\$FET/AC															
7.05	Service Brake/Parking Brake	Hydraulic/Mechanical															
7.06	Relief Pressure	Mpa		14.5		14.5		14.5		17.5		17.5		17.5		17.5	

* stands for the parameters and configurations when choosing the AC type lifting system