

**G series**



REAR  
DRIVE  
**1.5 ton**  
THREE WHEEL  
AC ELECTRIC FORKLIFT

STANDARD EQUIPMENT

- Wide view duplex mast
- Standard fork
- II (III) fork carriage
- Fork bracket
- Control valve
- Battery group
- Standard seat
- Overhead guard
- Overhead guard raincoat
- Super-elastic tyre
- Traction bar
- Relevant tools

OPTIONS AND ATTACHMENTS

- Carrying ram
- Load stabilizer
- Widened fork carriage
- Longer forks
- lifting hook
- Crane boom
- Load ejector
- Dumping fork
- Fork extended cover
- Rotating flat holding clip
- Side shifter
- Roll Clamp
- Auxiliary hydraulic valve components
- Beacons
- Tilt cylinder jacket
- Colored tires (white/green)
- rear work light
- Wide view full 2/3-stage mast
- Steel fence
- User can specify the color
- Multi-purpose barrels clamp

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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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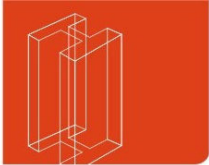
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REAR DRIVE

**1.5ton**  
**THREE WHEEL**  
**AC ELECTRIC FORKLIFT**



**G series** / INTELLIGENT  
ENVIRONMENT-FRIENDLY



AC ELECTRIC  
FORKLIFT **THREE  
WHEEL 15 ton**

**G** series

**HELI**

### Newly designed wide-view mast



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

### Compact structure



The truck structure is compact, small, suitable for operation in narrow area.

### Excellent maintenance performance



The lifting and Driving with the AC motor. Front axle with wet brake, free maintenance.



### High efficient loading /unloading performance

The newly designed hydraulic system and hydro-cylinder is to provide more efficient loading /unloading performance;

**↑ 33%**  
THE MAXIMUM LIFTING SPEED  
WITHOUT LOAD IS INCREASED BY 33%

**↑ 16.7%**  
THE MAXIMUM LIFTING SPEED  
WITH LOAD IS INCREASED BY 16.7%



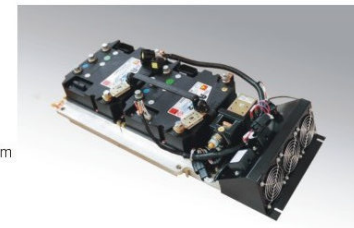
- ✓ New low-speed & high-torque lifting motor
- ✓ Lifting controller
- ✓ New low-noise gear pump with differential tooth technology
- ✓ New dynamic load sensing technology in hydraulic system

### Comfortable operator space



### More intelligent performance

- ✓ AC traction controller
- ✓ AC lifting controller
- ✓ Emergency power shut-down
- ✓ Controller self-protecting
- ✓ Standard CAN BUS
- ✓ Self-barking on ramp
- ✓ Preventing disordered operating
- ✓ Operator presence sensing system



### New drive system

The wonderful combination of AC drive motor and Large ratio gearbox fully enhance the performance of driving; With the use of the renewable energy technology, the forklift is more efficient and energy-saving.

**↑ 33%**  
THE MAXIMUM DRIVING SPEED  
WITH LOAD IS INCREASES BY 33%

**↑ 13.6%**  
THE MAXIMUM DRIVING SPEED  
WITHOUT LOAD IS INCREASES BY 13.6%

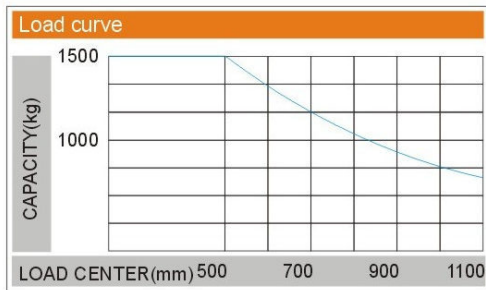
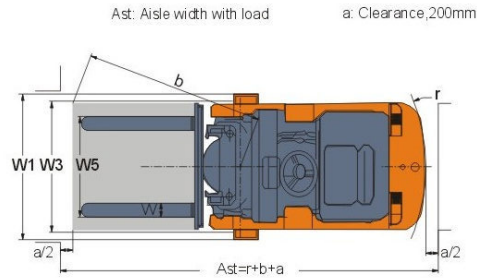
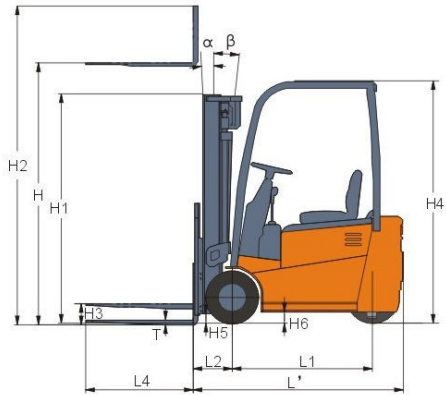


REAR DRIVE  
THREE WHEEL  
AC ELECTRIC FORKLIFT **1.5 吨**



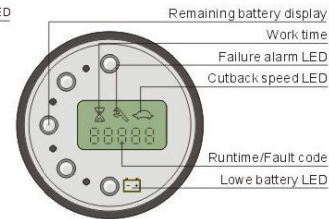
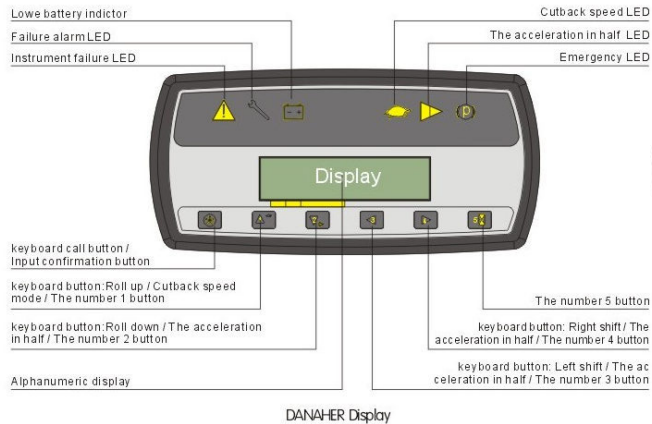
Manufacturers Data and Design Characteristics				
<b>Characteristics</b>				
1.01	Manufacture's Name			<b>HELI</b>
1.02	Model Designation			CPD15SH
1.03	Configuration Number			GA1/GA2/GA3
1.04	Load Capacity	Q	kg	1500
1.05	Load Center	c	mm	500
1.06	Power Type			Battery
1.07	Operator Type			Seated
1.08	Wheelbase	L1	mm	1200
<b>Wheels &amp; Tyres</b>				
2.01	Tyre Type			Superelastic
2.02	Tyres Number (Front/Rear)			2/1x
2.03	Tread(centre of tyre),front	W3	mm	840(910*)
2.04	Tread(centre of tyre),rear	W4	mm	-
2.05	Tyre Size, Front			18×7-8
2.06	Tyre Size, Rear			18×7-8
<b>Dimensions</b>				
3.01	Load Distance	L2	mm	330
3.02	Mast Tilt Angle F/R	α/β	°	3/6
3.03	Height with Mast Lowered	H1	mm	1955
3.04	Free Lift	H3	mm	110
3.05	Standard Lift Height	H	mm	3000
3.06	Height with Mast Extended	H2	mm	4008
3.07	Overhead Guard Height	H4	mm	2080
3.08	Fork Size T×W×L	TxWxL4	mm	35×100×920
3.09	Fork Carriage to DIN 15173 A/B			2A
3.10	Length to fork face	L*	mm	1797
3.11	Overall Width	W1	mm	990(1060*)
3.12	Outside Turning Radius	r	mm	1467
3.13	Ground Clearance at mast, Loaded	H5	mm	90
3.14	Ground Clearance at centre of wheelbase, Loaded	H6	mm	100
3.15	Right Stack Aisle width (Pallet size 1000x1000mm,clearance 200mm)	Ast	mm	3088
3.16	Right Stack Aisle width (Pallet size 1200x1200mm,clearance 200mm)	Ast	mm	3311
<b>Performances</b>				
4.01	Travel Speed,with/without load		km/h	12/12.5
4.02	Lifting Speed,with/without load		m/s	0.28/0.48
4.03	Lowering Speed,with/without load		m/s	0.55/0.45
4.04	Gradient performance with load		%	8
4.05	Max. draw bar pull with load		N	7030
4.06	Acceleration time (10 metres) W/O load		s	4.7/5.0
<b>Weight</b>				
5.01	Total Approximate Weight(W/O battery)		kg	2897/2237
5.02	Axle Loading: Unloaded,Front/Rear		kg	1252/1645
5.03	Axle Loading: Loaded,Front/Rear		kg	3790/607
<b>Battery</b>				
6.01	Battery Voltage/rated capacity(5h)(min/max)		V/Ah	24/720(720/1000)
6.02	battery weight(min/max)		kg	660 (650/750)
6.03	Battery to DIN 43531/35/36/A/B/C			43535A
<b>Motor &amp; Controller</b>				
7.01	Drive Motor - 60 Min. Rating		kW	4.2
7.02	Pump Motor - 15 Min. Rating		kW	6.2
7.03	Drive Motor Control Method			MOSFET/AC
7.04	Pump Motor Control Method			MOSFET/AC
7.05	Service Brake/Parking Brake			Hydraulic/Mechanical
7.06	Relief Pressure		Mpa	17.5

Note:\*Stands for widened carbody,3-stage mast Stands for widened carbody,the width is 1060mm.



**Note:**

The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. The standard load means a cubic with 1000mm edge length. When mast is tilted forward, using non-standard forks or loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.



BATTERY COMPARTMENT SIZE				
MODEL	COMPARTMENT SIZE		BATTERY SPECIFICATIONS	
	WD×LG×HT		SIZE	STANDARD
CPD15SH-GA1	844×499×655		830×489×627	DIN 43535A
CPD15SH-GA2	844×499×655		830×489×627	DIN 43535A
CPD15SH-GA3	844×499×655		830×489×627	DIN 43535A

WIDE VIEW MAST						
Mast model	Max. Lift height (mm)	Capacity at 500mm load center			Height with mast lowered (mm)	Tilting Angle (α/β)(°)
		CPD15SH-GA1	CPD15SH-GA2	CPD15SH-GA3		
M200	2000	1500			1455	3/6
M250	2500	1500			1705	3/6
M300	3000	1500			1955	3/6
M330	3300	1500			2105	3/6
M350	3500	1500			2205	3/6
M370	3700	1500			2305	3/6
M400	4000	1450			2505	3/6
M425	4250	1350			2630	3/6
M450	4500	1250			2755	3/6
M500	5000	1150			3005	3/3
M550	5500	800			3305	3/3
M600	6000	400			3655	3/3

WIDE VIEW FULL FREE 2-STAGE MAST									
Mast model	Max. Lift height (mm)	Capacity at 500mm load center			Height with mast lowered (mm)	Freelift (With STD backrest) (mm)		Freelift (Without STD backrest) (mm)	Tilting Angle (α/β)(°)
		CPD15SH-GA1	CPD15SH-GA2	CPD15SH-GA3		1.0-1.5t	1.0-1.5t		
ZM200	2000	1500			1475	425		825	3/6
ZM250	2500	1500			1725	675		1075	3/6
ZM300	3000	1500			1975	925		1375	3/6
ZM330	3300	1500			2125	1075		1475	3/6
ZM350	3500	1500			2225	1175		1575	3/6
ZM370	3700	1500			2325	1275		1675	3/6
Zm400	4000	1450			2525	1475		1875	3/6

WIDE VIEW FULL FREE 3-STAGE MAST									
Mast model	Max. Lift height (mm)	Capacity at 500mm load center			Height with mast lowered (mm)	Freelift (With STD backrest) (mm)		Freelift (Without STD backrest) (mm)	Tilting Angle (α/β)(°)
		CPD15SH-GA1	CPD15SH-GA2	CPD15SH-GA3		1.0-1.5t	1.0-1.5t		
ZSM360	3600	1500			1720	640		1050	3/6
ZSM400	4000	1500			1855	775		1185	3/6
ZSM435	4350	1500			1970	890		1300	3/6
ZSM450	4500	1450			2020	940		1350	3/6
ZSM470	4700	1450			2090	1010		1420	3/6
ZSM480	4800	1450			2120	1040		1450	3/6
ZSM500	5000	1400			2225	1145		1555	3/3
ZSM540	5400	1350			2375	1295		1705	3/3
ZSM600	6000	1000			2595	1515		1925	3/3



**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