

REAR DRIVE

1.5ton
THREE WHEEL
AC ELECTRIC FORKLIFT



S SERIES

HELI

CHINESE EXPORT BRAND

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

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

S 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 areas.

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%



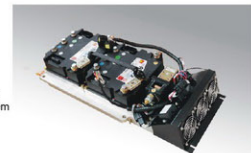
- ✓ New low-speed d_h high-torque lifting motor
- ✓ Lifting controller
- ✓ New low-noise gear pump with differential tooth technology
- ✓ New dynamic load sensing technology in hydraulic system

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%



S SERIES



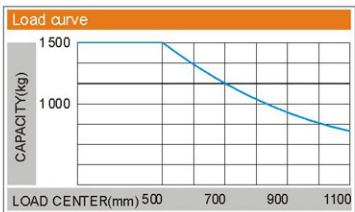
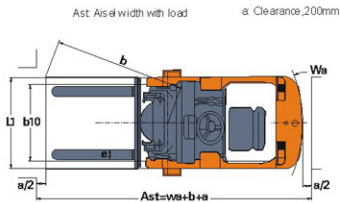
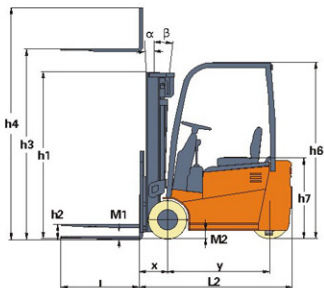
REAR DRIVE
THREE WHEEL
AC ELECTRIC FORKLIFT **1.5** 吨



**Manufacturers Data and Design Characteristics**

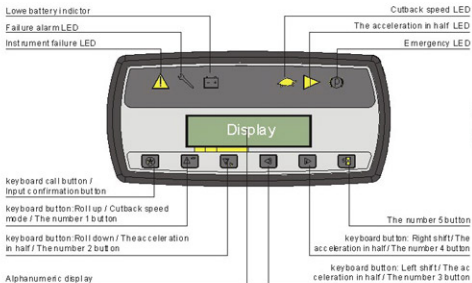
Characteristics			
1.01	Manufacturer's Name		HEU
1.02	Model Designation		CPD15SH
1.03	Configuration Number		GA2/GA.3
1.04	Load Capacity	Q(kg)	1500
1.05	Load Center	c(mm)	500
1.06	Power Type		Battery
1.07	Operator Type		Seated
1.08	Wheelbase	y(mm)	1200
Wheels & Tyres			
2.01	Tyre Type		Superelastic
2.02	Tyres Number (Front/Rear)		2/1x
2.03	Tread(centre of tyre),front	b10 (mm)	840(910*)
2.04	Tread(centre of tyre),rear	b11 (mm)	-
2.05	Tyre Size, Front		18X7-8
2.06	Tyre Size, Rear		18X7-8
Dimensions			
3.01	Load Distance	x(mm)	330
3.02	Mast Tilt Angle F/R	$\alpha / \beta (^{\circ})$	3/6
3.03	Height with Mast Lowered	h1(mm)	1955
3.04	Free Lift	h2(mm)	110
3.05	Standard Lift Height	h3(mm)	3000
3.06	Height with Mast Extended	h4(mm)	4008
3.07	Overhead Guard Height	h6(mm)	2080
3.08	Fork Size T xWxL	s/e/L (mm)	35 x 100 x 920
3.09	Fork Carriage to DIN 15173 A/B		2A
3.10	Length to fork face	L2(mm)	1797
3.11	Overall Width	L1(mm)	990(1060*)
3.12	Outside Turning Radius	Wa(m)	1467
3.13	Ground Clearance at mast Loaded	m1(mm)	90
3.14	Ground Clearance at centre of wheelbase ,Loaded	m2 (mm)	100
3.15	Right Stack Aisle width (Pallet size 1000x1000mm,clearance 200mm)	As1(m)	3088
3.16	Right Stack Aisle width (Pallet size 1200x1200mm,clearance 200mm)	As1(m)	3311
Performances			
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
Weight			
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
Battery			
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
Motor & Controller			
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-stagemast Stand for widened carbody,the width is 1060mm.

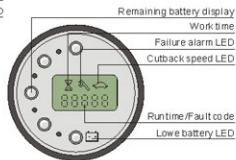


Note:

Vertical axis stands for load capacity while horizontal axis 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 mast tilts 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.



DANA-HR Display



MDI Display

BATTERY COMPARTMENT SIZE

MODEL	COMPARTMENT SIZE		BATTERY SPECIFICATIONS	
	WD	XLG X HT	SIZE	STANDARD
CPD15SH-GA2	844	499 X 655	830 X 489 X 627	DIN 43535A
CPD15SH-GA3	844	499 X 655	830 X 489 X 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-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)	Free lift (With STD backrest) (mm)	Free lift (Without STD backrest) (mm)	Tilting Angle (α/β) (°)
		CPD15SH-GA2	CPD15SH-GA3				
ZM200	2000	1500	1475	10-1.5t	425	825	3/6
ZM250	2500	1500	1725	10-1.5t	675	1075	3/6
ZM300	3000	1500	1975	10-1.5t	925	1375	3/6
ZM330	3300	1500	2125	10-1.5t	1075	1475	3/6
ZM350	3500	1500	2225	10-1.5t	1175	1575	3/6
ZM370	3700	1500	2325	10-1.5t	1275	1675	3/6
ZM400	4000	1450	2525	10-1.5t	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)	Free lift (With STD backrest) (mm)	Free lift (Without STD backrest) (mm)	Tilting Angle (α/β) (°)
		CPD15SH-GA2	CPD15SH-GA3				
ZSM360	3600	1500	1720	10-1.5t	640	1050	3/6
ZSM400	4000	1500	1855	10-1.5t	775	1185	3/6
ZSM435	4350	1500	1970	10-1.5t	890	1300	3/6
ZSM450	4500	1450	2020	10-1.5t	940	1350	3/6
ZSM470	4700	1450	2090	10-1.5t	1010	1420	3/6
ZSM480	4800	1450	2120	10-1.5t	1040	1450	3/6
ZSM500	5000	1400	2225	10-1.5t	1145	1555	3/3
ZSM540	5400	1350	2375	10-1.5t	1295	1705	3/3
ZSM600	6000	1000	2595	10-1.5t	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



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



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