

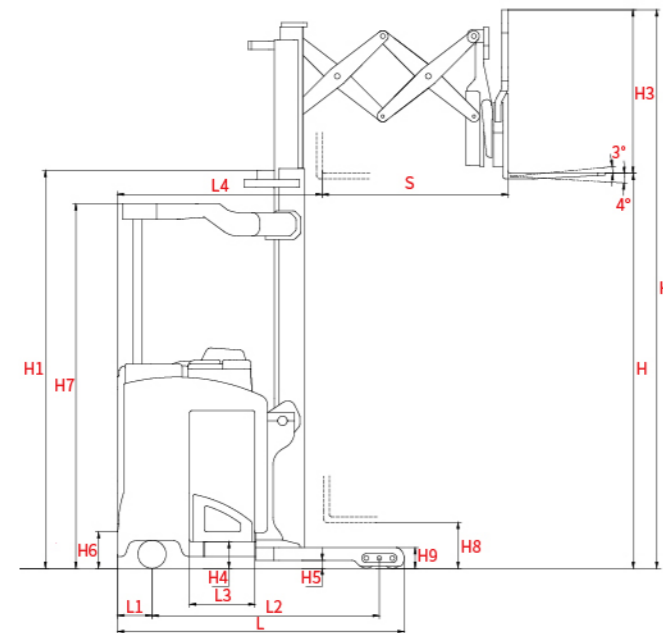
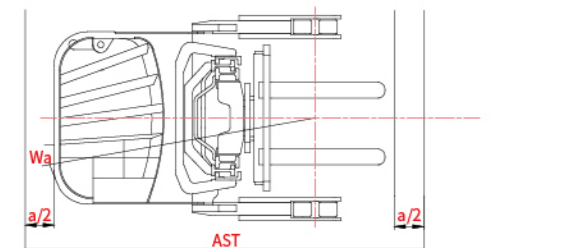
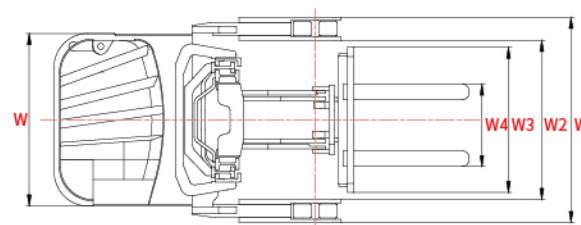


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WIDE VIEW FULL FREE 3-STAGE MAST

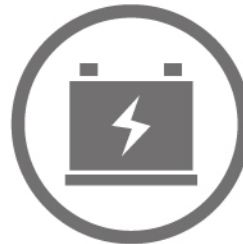
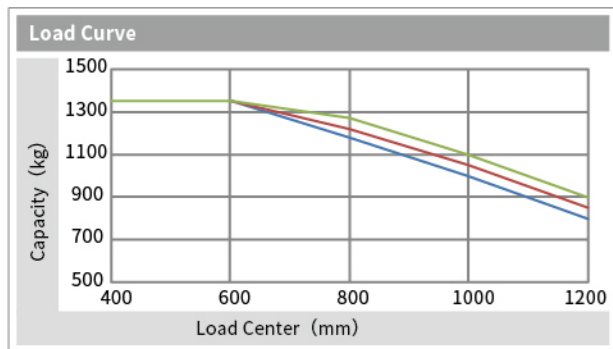
Mast model	Fork Height(mm)			Free lift (mm)			Mast height (mm)			Load Capacity(kg)			Service Weight,Un(kg)		
	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R	CQD14X2-GA2R
ZSMS502	5025	1390	2426	1350	1350	1350	3580	3748	3904						
ZSMS533	5330	1490	2526	1350	1350	1350	3600	3768	3924						
ZSM610	6095	1745	2781	1200	1200	1200	3670	3838	3994						
ZSM685	6855	2000	3036	1000	1000	1000	3720	3888	4044						
ZSM762	7620	2285	3321	800	900	900	3790	3958	4114						

AST:Right angle stacking aisle width
a:Clearance a=150mm



CQD14X2-GA2R CQD14X2-GB2R CQD14X2-GC2R

NOTE:The vertical axis is the load capacity,and the horizontal axis is the load center which is calculated from the front face of the forks to the load center of gravity.Capacity curves shown are for a standard mast at zero degree tilt with standard forks.Changing mast tilt,using non-standard forks or loading large goods can affect load capacity.This chart can be used to estimate load capacity at various load centers for standard masts.Contact HELI for specific load ratings for your situation.



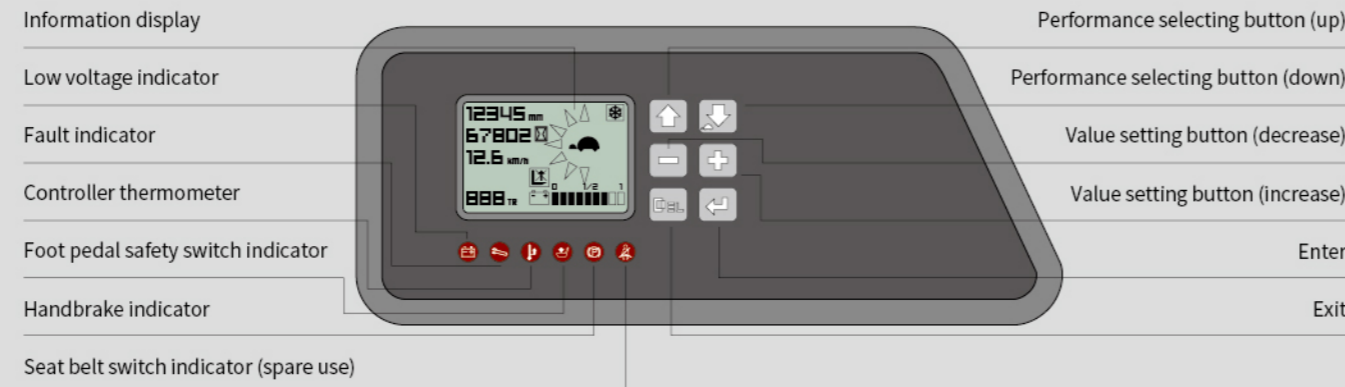
RENEWABLE ENERGY TECHNOLOGIES

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%

Certifications:These HELI models are CE&CQC certified and also meet all requirements of ANSI B56.1-2012 and OSHA Regulation 29CFR1910.178.All dimensional and performance specifications shown are for reference and subject to change without notice.

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 intelligent display

ANHUI HELI CO., LTD.
ADD:NO.668 Fangxing Street,Economical Development Zone,Hefei,P.R.China
TEL : (86 551)63639458
FAX: (86 551)63639966
WEBSITE: <http://www.chlforlift.com>
EMAIL: chl@chlforlift.com

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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Electric Pantograph Reach Truck(Deep Reach)



MANUFACTURER'S DATA AND DESIGN CHARACTERISTICS

Characteristics		HELI		
1.01	Manufacturer			
1.02	Model		CQD14X2	CQD14X2
1.03	Configuration number		GA2R	GB2R
1.04	Load capacity	Q	kg	1350
1.05	Load center distance	C	mm	600
1.06	Power model		Battery	Battery
1.07	Driving model		Stand-on	Stand-on
1.08	Wheel base	L2	mm	1557
1.09	Voltage	V		36/48
Tyre				
2.01	Tyre type		Polyurethane	Polyurethane
2.02	Wheel number,drive/load/caster (2=drive wheel)		1×/4/2	1×/4/2
2.03	Wheel size,load		mm	Φ127×95
2.04	Wheel size,drive		mm	Φ330×140
2.05	Wheel size,caster		mm	Φ178×76
Dimensions				
3.01	Lift height	H	mm	5330
3.02	Free lift	H8	mm	2526
3.03	Mast height,lowered	H1	mm	1490
3.04	Fork size,thickness/width/length	s/e/l	mm	35×100×920
3.05	Fork adjusting width	W4	mm	244-724
3.06	Tilt	°		3° /4°
3.07	Fork sideshifting		mm	±50
3.08	Truck body length(fork excluded)	L	mm	1954
3.09	Truck body width	W	mm	1090
3.10	Straddle leg, inside width	W2	mm	845-1272
3.11	Straddle leg, outside width	W1	mm	1137-1564
3.12	Fork carriage width	W3	mm	842
3.13	Reach distance	S	mm	1080
3.14	Height of overhead guard	H7	mm	2320
3.15	Battery bottom clearance	H4	mm	180
3.16	Straddle clearance	H5	mm	50
3.17	Straddle height	H9	mm	130
3.18	Step height	H6	mm	250
3.19	Minimum turning radius	Wa	mm	1838
3.20	Drive wheel center to truck body rear distance	L1	mm	252
3.21	Fork front to truck body rear distance	L4	mm	1529
3.22	Aisle width with pallet 1200Lx1200w	Ast	mm	2935
3.23	Aisle width with pallet 1000Lx1000w	Ast	mm	2713
Performance				
4.01	Travelling speed,with/without load		km/h	10/11
4.02	Lifting speed,with/without load		mm/s	330/520
4.03	Lowering speed,with/without load		mm/s	500/500
4.04	Reach speed,with/without load		mm/s	110/150
4.05	Maximum climb capability,with/without load		%	10/15
Weight				
5.01	Total weight(without battery)		kg	2750
5.02	Axle loading, no load (front/rear)		kg	1379/2221
5.03	Axle loading, loaded (front/rear)		kg	3010/1940
Battery				
6.01	Battery voltage/capacity k5		V/Ah	36/770,48/550
6.02	Minimum battery weight		kg	1066
6.03	Minimum battery weight		kg	998
6.04	Battery department size		mm	1005x428x810
Motor and controller				
7.01	Driving motor power		kw	7
7.02	Lifting motor power		kw	15
7.03	Steering motor power		kw	0.6
7.04	Type of driving control			MOSFET/AC
7.05	Type of lifting control			MOSFET/AC
7.06	Type of steering control			MOSFET/AC
7.07	Transmission box			HELI special
7.08	Service brake			Electric
7.09	Parking Brake			Automatic
7.10	Hydraulic system working pressure		Mpa	21

NOTE: For detailed information about battery,please contact your authorized HELI dealer. These are "Zero Clearance" aisles in the table and require an additional 150mm or more to be added to provide for easier maneuvering.

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Electric Pantograph Reach Truck (Deep Reach)

Comfortable

- Adjustable backrest and armrest help reduce fatigue
- Integrated, intelligent control handle is convenient and comfortable to use
- With proportional hydraulic control, working is more stable and more precise
- Electronic power steering offers easy, flexible, high efficient and quiet operation
- Steering is centered itself automatically on startup for a safer operation

Safety

- HELI's intelligent control system automatically decelerates in sharp turns for safer operation
- Warning light and drive OPS system come standard to ensure complete truck safety
- Parking brake is automatically applied on a slope or flat surface via a magnetic brake on the drive axle
- Five independent braking systems provide maximum, safe braking
- Regenerative braking provides extra power back to the electrical system releasing when the control handles are released
- Emergency brake is activated by releasing foot pedal
- Parking brake can also be activated by pressing button on the panel
- Parking brake automatically activated when operator leaves truck
- Emergency stop switch disengages power and applies brake automatically

Working efficiency

- Small turning radius makes steering flexible and easy
- Smaller load wheels easier to maneuver into the bottom of the shelf
- With optimal driving and lifting speeds, better working efficiency can be achieved
- With HELI's three speed modes, higher performance can be achieved
- Larger battery capacity for longer single shift time
- Better loading capacity and stability at higher lift heights

Energy efficiency

- With proportional controls, the truck is more energy efficient and has lower energy consumption
- All LED lights reduce lighting energy consumption by 80%
- Drive motor regenerative braking recycles more electric energy
- Electronic steering is more efficient saving energy

Maintainability

- Door, top cover and front all can be removed easily to allow great access to all chassis components for quick and easy maintenance
- With bolt type load wheel box installation, outrigger & load wheel maintenance are convenient and less costly



Wide view mast and pantograph

- Comes standard with shift, tilt and reach functions
- Newly designed wide-view mast and pantograph maximize operator's view effectively when forks are retracted and extended
- Lift cylinder has end stroke cushions, while the controller provides in-transit buffers to ensure smooth lifting and lowering functions
- The controller also provides in-transit and end-stroke buffers for smooth fork retract function



Comfortable operator's compartment

- Comfortable step height provides ease of access to operator's compartment while providing safety from the risk of pallet truck forks tip intrusion
- Padded waist and arm supports for operator's comfort
- Cushioned floorboard helps reduce operator fatigue
- The operator's body is fully protected within the truck contours

Standard configuration

AC travelling motor
AC lifting motor
AC steering motor
ZAPI travelling motor controller
ZAPI lifting motor controller
ZAPI steering motor controller
Electromagnetic brake
DC/DC converter
Low noise gear pump
Electromagnetic proportional valve
5330mm three stage full free lift mast
integral pantograph

Standard fork
Overhead guard
Load backrest
Polyurethane tire
LED combined display
Front work light
LED warning light
Automatic steering slow down device
Automatic parking brake
Operator's tool kit
Adjustable armrest
Adjustable backrest

Overhead guard

- The large arc shape of the overhead guard and properly angled grid slats greatly increase operator's upward view
- Rear leg connected to the chassis suspension, provide shock buffering from falling loads
- Without front legs, work view is improved

Operator display panel

- High quality meter displaying clearly the important operating data
- 180° steering angle position display
- Display of battery power and fault code
- Working mode selection
- Hour meter
- Labor hour display

Optional device

Three-stage full free lift mast (other lifting height)
Fork extension
Lifting height pre-selector
Monitoring system
Other battery
Germany HOPPECKER battery
Italy FAAM battery
Battery charger
Custom paint
Operator protection guard

