

HELI

CQD16H A2LiH



LI ION **1.6t**

H Series Pedestrian Electric
Pallet Stacker Truck



ANHUI HELI CO., LTD.

Add / No.668, FangXing Road, Hefei, China

Fax / +86-551-63639966

Tel / +86-551-63639068(America); 63639258(Europe);
63639358(Asia); 63662105(Africa & Middle East)



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COMPLETE VEHICLE

- Newly designed walking scissors fork, high lift, low load loss, high performance.
- The use of professional appearance of industrial design, vehicle lines smooth, novel appearance.
- A variety of fork specifications, a variety of leg width optional, rich configuration.

**VEHICLE LINES
SMOOTH
NOVEL APPEARANCE**

COMFORT

- Adjustable damping electronic power steering, better steering feel, light and flexible .
- Proportional solenoid valve operation, lifting down and moving forward and backward are proportional .
- Conforms to ergonomic multi-functional integrated control handle height and rotation angle, comfortable operation.
- Intelligent induction of gantry lifting and landing, avoiding extreme impact, safety and comfort.

CONVENIENCE

- Charging and discharging port, charging hole side, convenient charging .
- Standard side pull battery, fast power change convenient.
- Removable split shell, convenient maintenance.
- Standard side shifters for easy pick-up.



OPERABILITY

- Intelligent integrated control handle, (forward and backward, steering, braking, horn, lifting and falling, forward and backward, forward and backward, side shift) operation is simple and labor-saving .
- Intelligent instrument, with handheld unit function, fault code reading and parameter setting.
- 0.75kw high-power steering motor, steering follow good .
- Moon walk function, flexible operation, easy to pick up goods.



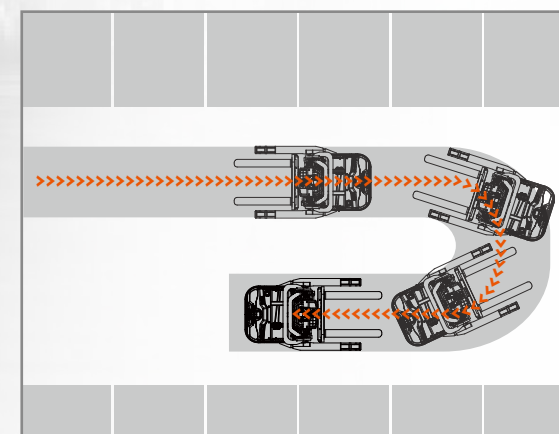
OPERATION EFFICIENCY

- Two speed modes and turtle speed function are adapted to different occasions and operating conditions.
- Standard upright walking, narrow space access barrier-free.
- 6KM / H driving speed to achieve higher work efficiency.
- The 145MM / S lifting speed of the three-stage gantry and the rapid response of each action.



SECURITY

- Multiple braking strategies, handle OPS braking, accelerated release braking, emergency reverse braking, safe and guaranteed.
- Standard emergency stop switch and emergency reverse device, turning automatic deceleration, to ensure the safety of use.
- Walk OPS switch to avoid misoperation .
- The high position state limits the running speed of the vehicle and improves the safety of the vehicle stacking.
- ZAPI dual-core controller, in line with the latest EU security requirements.

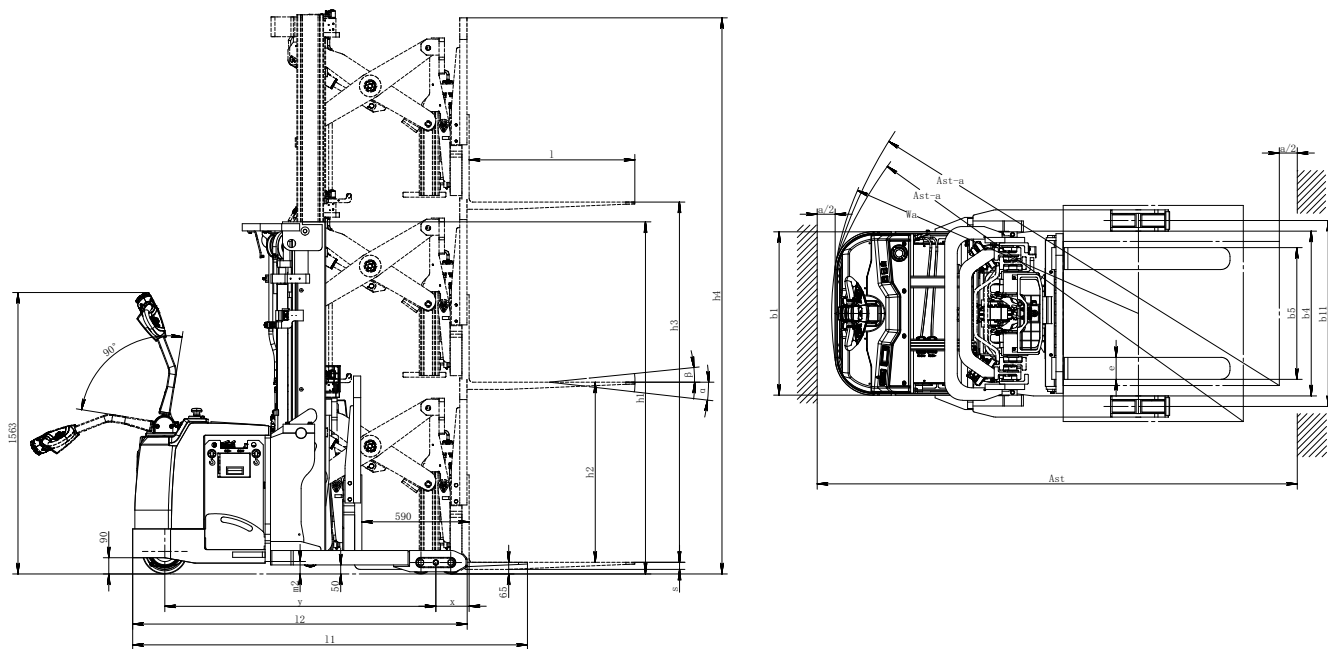


145MM/S



MANUFACTRER AND TECHNICAL DATA

Characteristics				
1.01	Manufacturer			HELI
1.02	Model			CQD16H
1.03	Configuration number			A2LiH
1.04	Rated capacity	Q	kg	1600
1.05	Load center distance	c	mm	600
1.06	Power mode			Electric
1.07	Driving mode			Pedestrian
1.08	Front overhang	x	mm	185
1.09	Wheelbase	y	mm	1505
Weight				
2.01	Total weight (with/without battery)		kg	2520
2.02	Axle load ,unladen,front/rear (fork advanced)		kg	1366/1154
2.03	Axle load ,unladen,front/rear (fork retracted)		kg	1502/1018
2.04	Axle load ,laden,front/rear (fork advanced)		kg	532/3588
2.05	Axle load ,laden,front/rear (fork retracted)		kg	1295/2825
Tyres				
3.01	Tyre type			Polyurethane
3.02	Tyre size,front			Ø 250 x 80
3.03	Tyre size,rear			Ø 127 x 74
3.04	Wheels,number front/rear (x=driven wheels)			1x/4
3.05	Tread, rear	b11	mm	983~1383
Dimensions				
4.01	Fork tilt angle (forward/backward)	α/β	°	3/4
4.02	Height (mast lowered)	h1	mm	1955
4.03	Free lifting height	h2	mm	875
4.04	Lifting height (standard)	h3	mm	4000
4.05	Max. height,extended (with backrest)	h4	mm	5040
4.06	Height of overhead guard	h6	mm	/
4.07	Seat height relating to SIP (to ground)	h7	mm	/
4.08	Overall length (with fork)	l1	mm	2498
4.09	Overall length (without fork)	l2	mm	1857
4.10	Overall width	b1	mm	907
4.11	Fork size:thickness x width x length	s/e/l	mm	40x122x1220
4.12	Fork carriage,according to ISO2328			II A
4.13	Distance between fork-arms, Max./Min.	b5	mm	724/244
4.14	Fork sideshifting		mm	±50
4.15	Distance between support arms	b4	mm	865~1265
4.16	Ground clearance (laden,between mast)	m1	mm	65
4.17	Right angle stacking aisle width for pallet 1000 x1200mm crossways	Ast	mm	2630
4.18	Right angle stacking aisle width for pallet 800 x1200mm lengthways	Ast	mm	2756
4.19	Min. outside turning radius	Wa	mm	1700
Performance Data				
5.01	Travel speed (laden/unladen)		km/h	5.5/5.9
5.02	Lift speed (laden/unladen)		m/s	0.145/0.245
5.03	Lowering speed (laden/unladen)		m/s	0.25/0.25
5.04	Reach speed (laden/unladen)		m/s	0.11/0.15
5.05	Max.gradeability (laden/unladen)		%	8/15
Battery				
6.01	Battery voltage/Capacity		V/Ah	24/280
6.02	Battery weight (Min./Max.)		kg	400
6.03	Battery box dimension		mm	780x325x595
Motor and controller				
7.01	Driving motor powering (S2-60min)		kW	3
7.02	Lifting motor powering (S3-15%)		kW	4.5
7.03	Driving motor controlling mode			M0SFET/AC
7.04	Lifting motor controlling mode			M0SFET/DC
7.05	Steering motor controlling mode			M0SFET/AC
Addition data				
8.01	Transmission box			HELI special
8.01	Service brake/Parking brake			ELectric/Electromagnetic brake
8.02	Operating pressure for attachments		Mpa	22



Wide View Full Free 3-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)	Height (mast lowered)(mm)	Free lift height (with backrest) (mm)	Service weight (kg)	Mast tilt angle α/β (°)
		CQD16H-A2LiH	CQD16H-A2LiH	CQD16H-A2LiH	CQD16H-A2LiH	
ZSM350	3500	1600	1790	710	2465	3°-4°
ZSM370	3700	1600	1855	775	2480	
ZSM400	4000	1600	1955	875	2520	
ZSM430	4300	1450	2055	975	2545	
ZSM450	4500	1300	2250	1045	2565	
ZSM480	4800	1200	2325	1160	2580	
ZSM500	5000	1100	2515	1245	2600	
ZSM550	5500	900	2725	1435	2650	

Load curve

