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HELI

CBD20/25/30 A2FLiH

H Series 2-3t Pallet Truck
 With Foldable Platform



COMFORT AND
ENERGY SAVING



STABLE AND
RELIABLE



INTELLIGENT
SECURITY



CONVENIENT
MAINTENANCE



Performance

Compact wheelbase ensures minimal turning radius, delivering exceptional maneuverability in confined workspaces; superior gradeability empowers expansive operational coverage across challenging terrains.



Appearance

Engineered with contemporary industrial design, the streamlined contours seamlessly integrate ergonomic controls, elevating operator comfort to new heights of intuitive precision.



Reliability

The sturdy and durable vehicle structure has successfully passed rigorous testing, including the fork bending fatigue test, fork lifting fatigue test, and full vehicle operation test. Additionally, the vehicle meets stringent environmental compliance standards, ensuring eco-friendly performance.

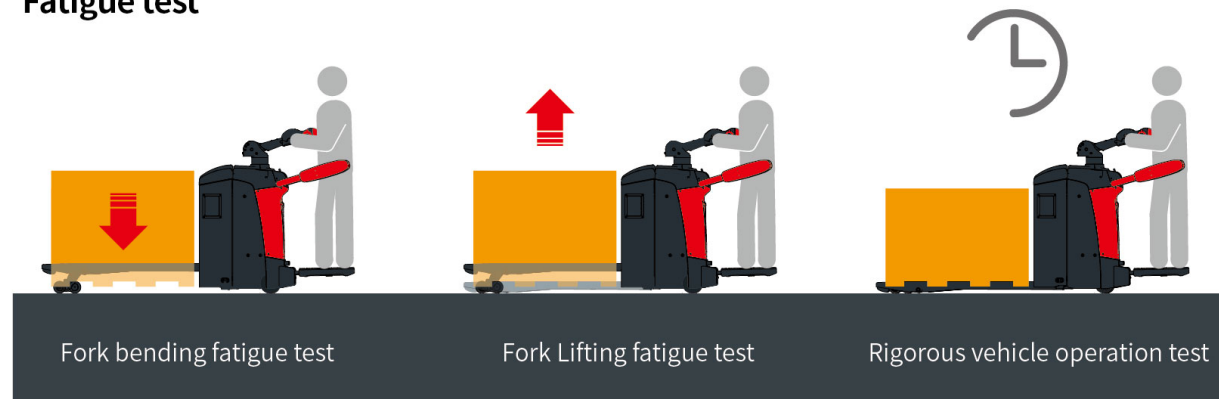
CBD20/25/30
A2FLiH ———

H Series 2-3t
Pallet Truck With Foldable Platform

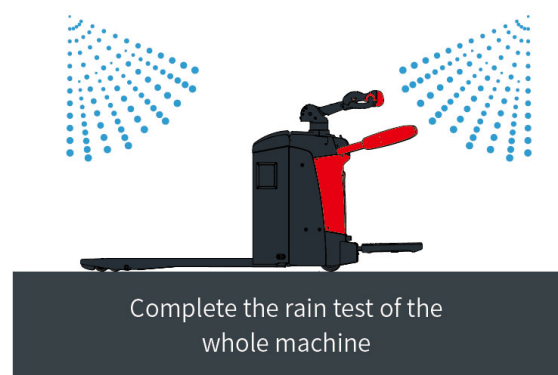
FULLY VERIFIED TECHNICALLY RELIABLE

The whole vehicle structure is firm and durable, and the whole vehicle meets the requirements of environmental protection

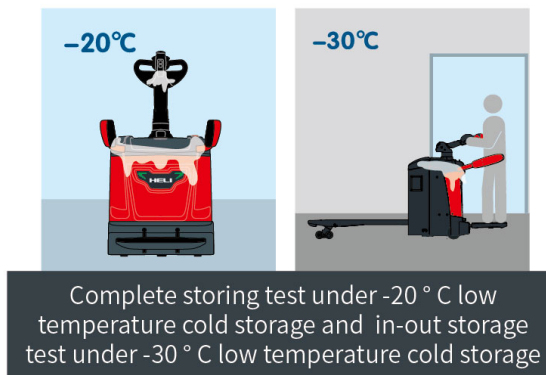
Fatigue test



Rain test of the whole machine

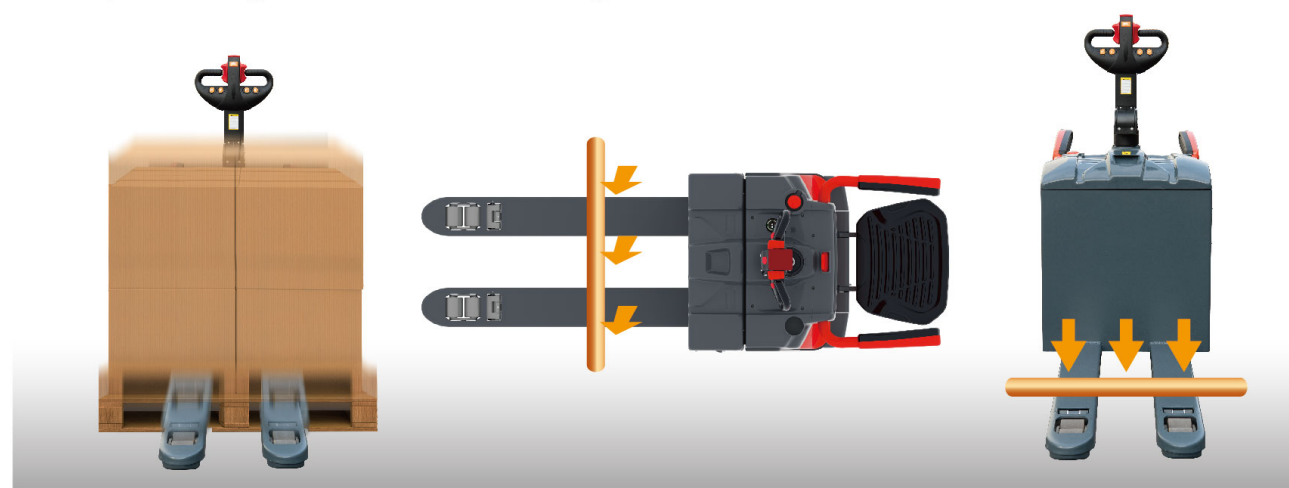


Running test of the whole vehicle



Component bench test

Complete the fatigue endurance test of fork lifting mechanism and frame



SUPERIOR MAN-MACHINE COMFORTABLE RIDE

Optimize ergonomics and run through the concept of "human-vehicle integration"



Multiple operating modes
There are walking (tortoise), slow speed (S) and high speed (E) working modes, which can be switched quickly with one key.

Foldable platform
Effectively reduce driving fatigue



Driver perception
When the driver leaves the pedal, the vehicle automatically enters the protection state, and the vehicle can immediately enter the high-speed operation mode when the drivers stands on the pedal, which is safe, convenient and fast to operate.



Foldable armguard
The folding guard plate is thick, the structural strength is high, and the driver is more comfortable to rely on.

ABUNDANT POWER OUTSTANDING STRENGTH

24V voltage system, lithium AC platform, superior performance



12.5km/h
No-load running
speed (2.5t)

9.5km/h
Full load running
speed (2.5t)

55mm/s
No-load lifting
speed (2.5t)

50mm/s
Full load Lifting
speed(2.5t)



Drive system

ZF gearbox features fast driving speed, reliable quality and high driving efficiency;

The driving system is provided with a driving wheel load supercharging mechanism, and the driving wheel load is automatically adjusted according to different loads;



Equipped with high-power steering motor, with strong power and good steering follow-up





No-load climbing gradient
2.5t **25%**

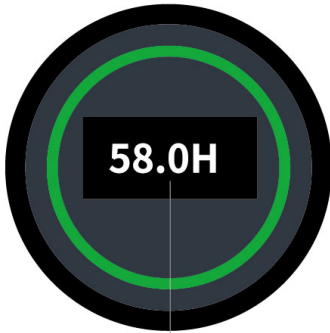
Full-load climbing gradient
2.5t **8%**

Equipped with high-power driving motor, it has strong power, and the whole vehicle has greater climbing gradient and dynamic performance

Instrument

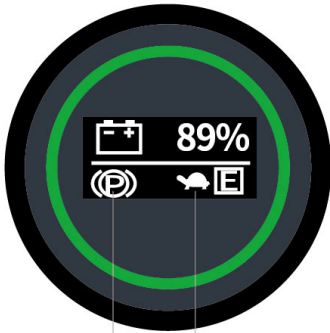
The instrument completely displays the working time, driving data, electric quantity, fault and other information.

Power-on interface



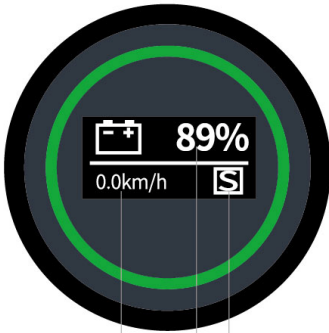
1

Discharge interface (vehicle stationary)




2 3

Discharge interface (vehicle operation)



4 5 6

Fault interface



7 1

1 Run time
2 Braking status

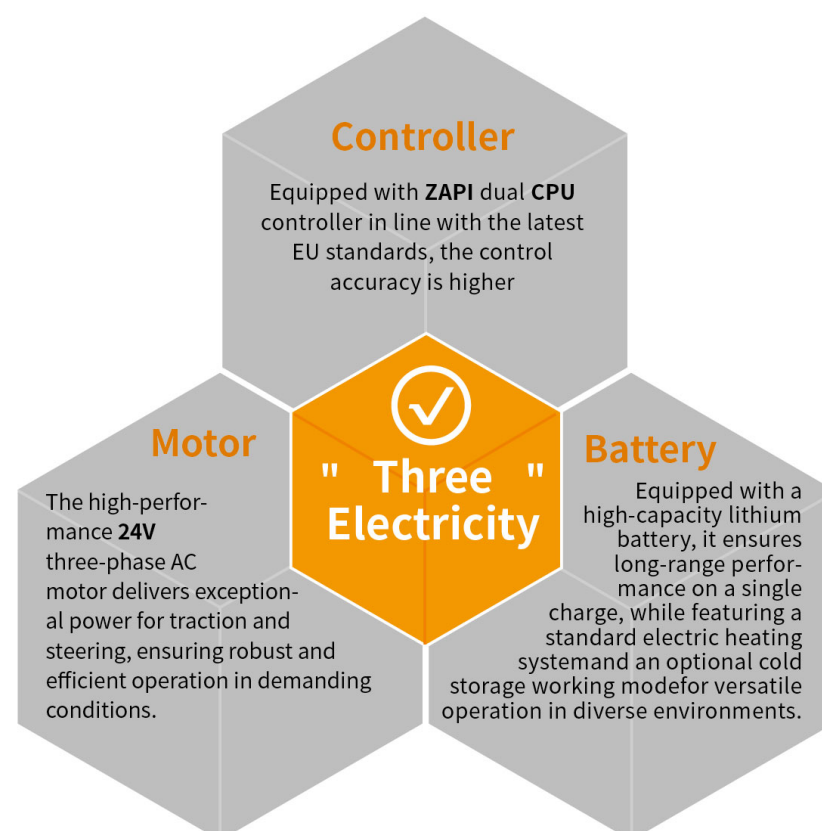
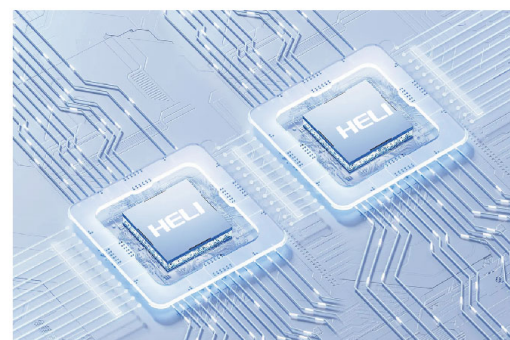
3 Turtle speed mode
4 Operating speed

5 Battery level
6 Operation mode (E/S switching)

7 Fault code

Controller assembly

ZAPI drive + EPS AC steering + lifting three-in-one controller, maximum drive current 320A, super power; dual-core controller, in line with the latest EU safety requirements;



Battery

Long single workshift **≥8h**

Standard charger **24V**
Fast charging **100A**



The charging port is placed on the side for convenient charging

The battery box has the same size and can be interchanged at will

Battery configuration table

24V/205Ah, 24V/230Ah, 24V/280Ah

SECURITY UPGRADE INTELLIGENT AND WORRY-FREE

Various measures in parallel to improve vehicle security performance



- ✓ **Automatic deceleration in cornering (handle steering over 3 °)**
Reduce the risk of rollover in bends

- ✓ **High performance hydraulic unit**
Low noise, stable lifting and descending



- ✓ **Automatic parking (release the joystick)**
Adapt to the working scene of ramp and flat ground, and realize automatic parking of ramp and flat ground (empty/full load).

✓ Joystick

Standard smart handle for comfortable operation

Side arrangement of lifting switch: convenient for separate operation of left and right hands

Mid-mounted loudspeaker switch: convenient for whistling

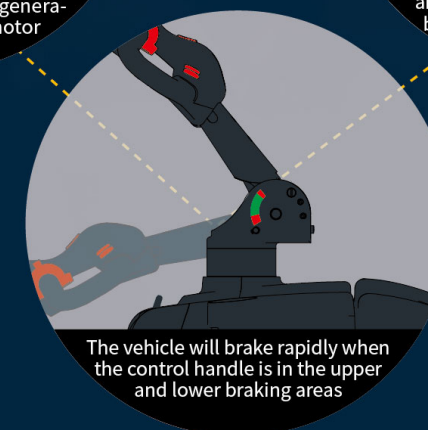
✓ Multiple braking functions



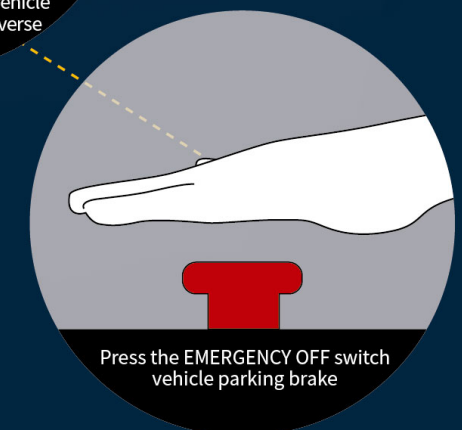
Release the driving butterfly handle to trigger the regenerative braking of the motor



Touching the safety reverse anti-collision switch, the vehicle brakes and runs in the reverse direction



The vehicle will brake rapidly when the control handle is in the upper and lower braking areas



Press the EMERGENCY OFF switch vehicle parking brake

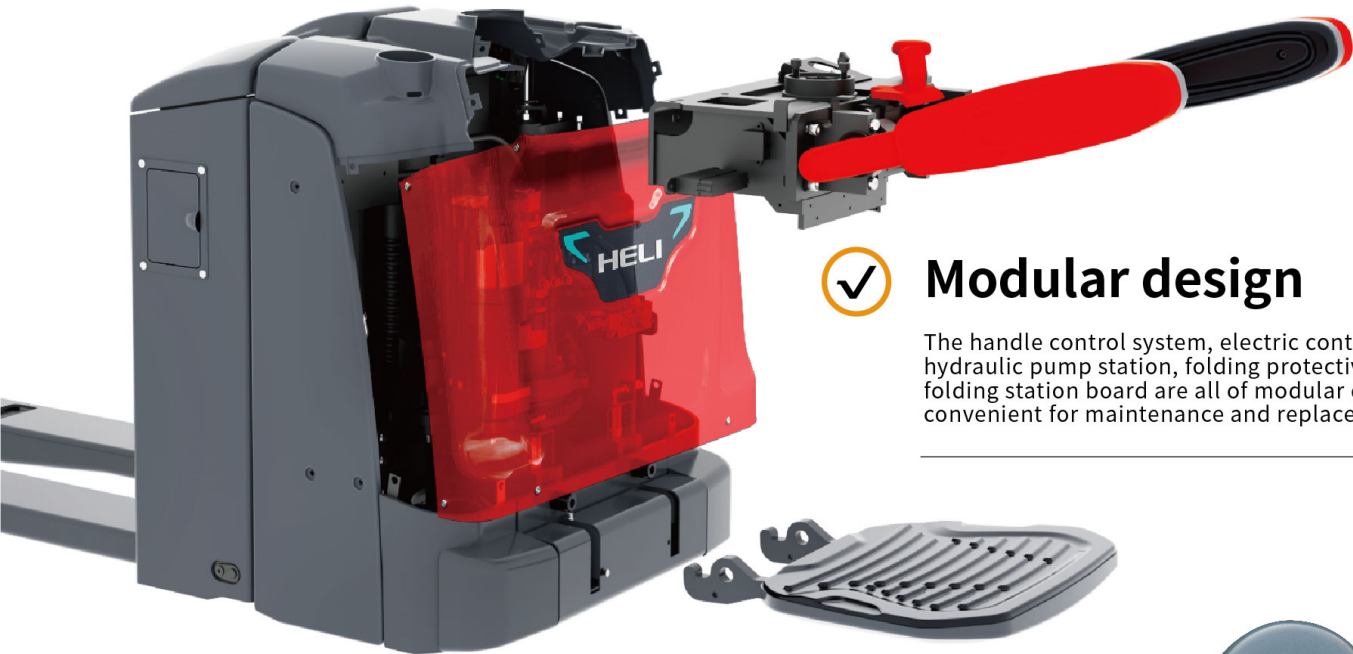
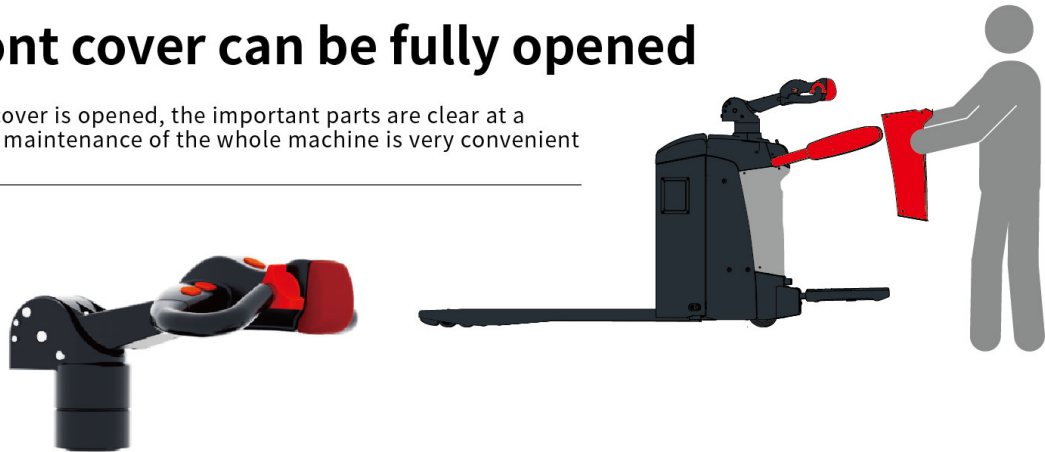
Convenient maintenance

Save time and effort

"Meticulous", "Careful", "attentive", Maintenance "Satisfactory"

✓ The front cover can be fully opened

After the front cover is opened, the important parts are clear at a glance, and the maintenance of the whole machine is very convenient



✓ Modular design

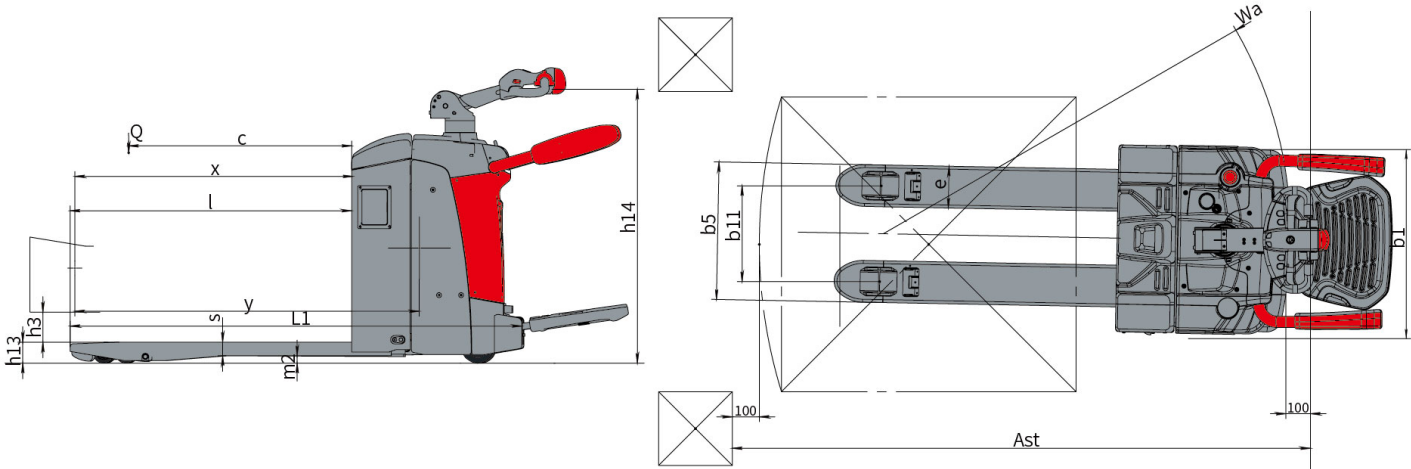
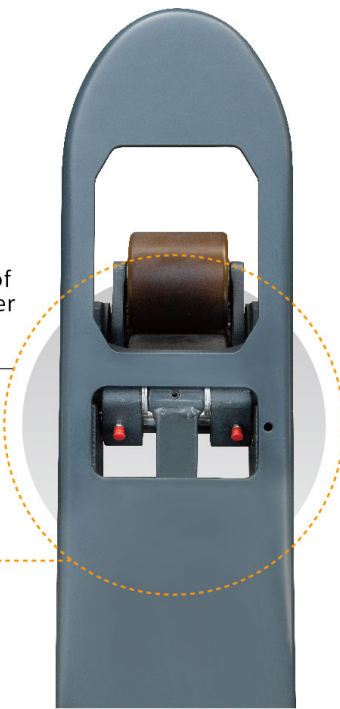
The handle control system, electric control assembly, hydraulic pump station, folding protective arm and folding station board are all of modular design, convenient for maintenance and replacement

✓ Adjust mechanism of lifting travel switch

The adjustment mechanism of the lifting travel switch facilitates the adjustment of the lifting height, and the side roller adjustment mechanism of the combined roller facilitates the adjustment of the clearance of the side roller

✓ Lubricated bushings and nozzle

All rotating shafts are equipped with lubricated shaft sleeves and grease nipples for easy maintenance and long service life



MANUFACTRER AND TECHNICAL DATA

Characteristics					
1.01	Manufacturer			HELI	
1.02	Series			H4	
1.03	Model			CND20-A2FLIH	CBD25-A2FLIH CBD230-A2FLIH
1.04	Operating mode			Stand-on/Walk	
1.05	Rated load carrying capacity	Q	kg	2000	2500 3000
1.06	Load centre distance	c	mm	600	
1.07	Front overhang	x	mm	908/964	
1.08	Wheelbase	y	mm	1351/1404	
Weight					
2.01	Vehicle weight (including battery)		kg	695	725 730
2.02	Front/rear axle load (full load)		kg	98/1697	1161/2064 1280/2450
2.03	Front/rear axle load (no load)		kg	532/163	564/161 569/161
Wheels					
3.01	Tyre type			Polyurethane	
3.02	Tyre size, front			Φ250x75	
3.03	Tyre size, rear			Φ85x85	
3.04	Tyre size, assistant			Φ125x55	
3.05	Number of wheels, front/rear (X = driving wheels)			2+1x/4	
3.06	Tread width, rear	b11	mm	390	
Dimensions					
4.01	Lifting height	h3	mm	122	
4.02	Tiller height (min/Max)		mm	1404	
4.03	Minimum fork height	h13	mm	87	
4.04	Overall length	L1	mm	1890/2265	
4.05	Overall width	b1	mm	760	
4.06	Fork dimensions	s/ e/ L	mm	55x170x1150	
4.07	Width across forks	b5	mm	560	
4.08	Ground clearance centre of wheelbase	m2	mm	30	
4.09	Turning radius	Wa	mm	1590	
Performance					
5.01	Travel speed laden/unladen		km/h	9.5/12.5	9.5/12.5 8/12.5
5.02	Lift speed laden/unladen		mm/s	45/45	50/55 29/36
5.03	Lowering speed laden/unladen		mm/s	50/50	
5.04	Gradeability		%	9.5/25	8/25 6.5/25
5.05	Electromagnetic braking			Braking type	
Drive					
6.01	Drive motor power S2-60 min		kW	2.8	
6.02	Lifting motor S3-15%		kW	1.2	2.2 2.2
6.03	Battery capacity		V/Ah	24/205	24/230 24/280
6.04	Battery weight ±5%		kg	105	125 130
Others					
7.01	Drive control type			AC	



Configuration parameter

NO.	Eigenvalues of the configuration	Configuration options	Standard	Optional
1	Tyres type	Front and rear polyurethane tires	✓	
2	Battery replacement method	Hoisting	✓	
		Side pulling		✓
3	Fork outer width	560	✓	
		685		✓
4	Fork length (mm)	1150	✓	
		850		✓
		1200		✓
		1450		✓
		1600		✓
		1800		✓
		2000		✓
		2200		✓
		2400		✓
5	Minimum fork height	85	✓	
6	Battery	CBD20-A2FLIH	24V/205Ah	24V/230/280Ah
		CBD25-A2FLIH	24V/230Ah	24V/205/280Ah
		CBD30-A2FLIH	24V/280Ah	24V/205/230Ah
7	Startup mode	Key switch	✓	
		Swiping card		✓
8	Reverse buzzer	Uninstalled reversing buzzer	✓	
		Equipped with reversing buzzer		✓
		Equipped with reversing voice horn		✓
9	Packaging method	HeLi packaging	✓	
		Neutral packaging		✓
10	Plates	Plates in Chinese	✓	
		Plates in English (EN)		✓
		Plates in English (US)		✓