

## CBD20-A2SZLIH

### H series 2t ride pallet truck

# HELI



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**H** series



***CBD20-A2SZLIH***  
*H series 2t ride pallet truck*

## VEHICLE ADVANTAGE

### High performance guarantees high efficiency

- High operating efficiency, faster traveling speed
- Equipped with dual CPU controller in line with the latest EU standards, with high control precision.
- The traction and steering motors adopt three-phase AC motors, which are powerful and maintenance-free.
- Small turning radius, better than similar products turning performance, flexible operation, freedom of movement.
- Standard three-speed mode.

### Ergonomic superiority

- Standardly equipped with on-board armrests, more convenient to get on the truck.
- Side driving vision is more adequate, unobstructed view. The height of the base plate can be adjusted, adapting to operators of different sizes.
- Ergonomic multi-functional integrated control handle + elbow pad for comfortable grip and easy operation. The drive unit is arranged in a vertical position, freeing up the operator's leg space.



The latest color screen instrumentation, vehicle information display is comprehensive



Larger space and legroom on the car

60mm The height of the base plate can be adjusted

### Lightweight multi-function handle

- The function of the operating parts is clear at a glance
- Operating functions are integrated in the handle, easy to use

### Maintenance-free

- No need to replenish liquid, dustproof
- No daily maintenance
- No manual maintenance

### Green environmental protection

- Zero emission
- Low noise
- No heavy metals
- No drip corrosion
- No acid mist volatilization

### Advanced EPS electronic power steering

- EPS electronic power steering provides the vehicle with lightweight, flexible, efficient and quiet operation.
- Steering motor controller
- Automatic centering function
- Steering automatically limits speed and acceleration.

### Intelligent security protection

- **Intelligent scene speed limit:** multi-scene identification, intelligent speed limit, balancing efficiency and safety.
- **Intelligent control strategy:** dual-core controller, in line with the latest EU safety requirements.
- **Intelligent curve deceleration:** automatic curve deceleration function can reduce the risk of corner rollover.
- **Intelligent ramp parking:** automatic recognition of ramp scenes, realizing people leaving the truck to stop.
- **Five independent braking systems:**
  - Release of the accelerator handle triggers clicking regenerative braking
  - Release of the foot safety switch triggers the emergency running brake
  - Push-button triggered parking brake
  - Automatically activated parking brake
  - Emergency power-off switch

## Long life

- For the same application, the life expectancy is much longer than lead-acid batteries.
- High-performance lithium assembly five years or 10,000 hours long warranty.

## High efficiency and energy saving

- 1-2 hours of charging can meet 6-8 hours of operational use
- High energy density, self-discharge rate of 1% / month or less
- 95% energy conversion rate, energy conversion is more efficient
- Can be recharged at any time, simple operation, without any impact on battery life
- No need to replace the battery, cost savings.

### Manufacturer and Technical Data

Characteristics			
1.1	Manufacturer		<b>HELI</b>
1.2	Model		CBD20
1.3	Configuration number		A2SZLIH
1.4	Type of operation		Seated
1.5	Rated capacity	Q	kg
1.6	Load center distance	c	mm
1.7	Lift height	h3	mm
1.8	Front overhang	x	mm
1.9	Wheelbase	y	mm
Tyres			
2.1	Tyre type		Front and rear polyurethane tires
2.2	Tyre size,driving wheels	$\phi^*w$	mm
2.3	Tyre size,loading wheels	$\phi^*w$	mm
2.4	Tyre size,additional wheels	$\phi^*w$	mm
2.5	Wheels,number front/rear (x=driven wheels)		6
2.6	track width, loading side	b11	mm
Dimensions			
3.1	Overall length	L1	mm
3.2	Overall width	b1	mm
3.3	Fork dimension	s/e/l	mm
3.4	Width of forks	b5	mm
3.5	Lowered height	h13	mm
3.6	Min.Ground clearance	m2	mm
3.7	Aisle width with pallet 800x1200 along forks	Ast	mm
3.8	Min.Turning radius	Wa	mm
Performance Data			
4.1	Travel speed (laden/unladen)	km/h	11/12.5
4.2	Lift speed (laden/unladen)	mm/s	60/95
4.3	Lowering speed (laden/unladen)	mm/s	60/50
4.4	Max.gradeability (laden/unladen)	%	8/13
4.5	Service brake type		electric
Battery			
5.1	Battery voltage/rated capacity	V/Ah	24/404
5.2	Battery weight	kg	350
Motor and controller			
6.1	Driving motor powering (S2-60min)	kW	3KW
6.2	Lifting motor powering (S3-10%)	kW	2
6.3	Controller		ZAPI
Weight			
7.1	Total weight (with battery)	kg	1030
7.2	Axle load (laden,front/rear)	kg	1070
7.3	Axle load (unladen,front/rear)	kg	780
Addition data			
8.1	Type of drive control		AC
8.2	Sound pressure level at the driver 's ear	dB(A)	68
8.3	Steering type		Electric

## High safety

- according to the characteristics of industrial vehicles, realize the lithium battery materials, core type, PACK process and system power management of the vehicle safety protection design "multi-node safety closed-loop protection" to achieve real-time closed-loop protection of the vehicle multi-state
- "System-wide emergency power-off" function, vehicle control and BMS power supply quickly cut off, safe and effective.

