

TFT

www.hellforklift.net

OPD20/25L A2LiH

H SERIES 2-2.5T
HORIZONTAL ORDER PICKER

TFT



www.carretillastft.com



COMFORT AND
ENERGY SAVING



STABLE AND
RELIABLE



INTELLIGENT
SECURITY



CONVENIENT
MAINTENANCE

OPD20/25L A2LiH

H SERIES 2-2.5T HORIZONTAL ORDER PICKER

Appearance:

The exterior design of the entire vehicle integrates industrial design concepts, featuring smooth lines and providing a more comfortable human-machine interface for operation.



Performance:

Equipped with 24 AC platform, it boasts superior performance and rich configuration, significantly enhancing the efficiency of picking operations.



Reliability:

Robust and durable, meeting CE requirements.





TECHNICAL ADVANTAGES

 Single work duration **≥8h**

 Fast charging, charging time **≤2h**



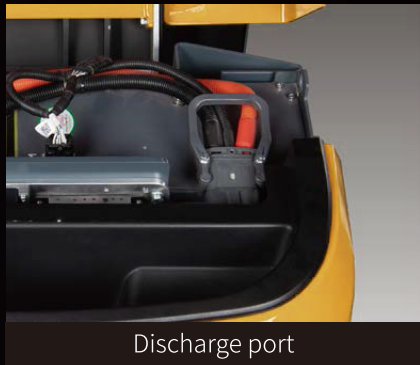
 Equipped with electric heating, it can easily cope with cold environments.

 The charging port is placed on the side, facilitating charging.

 Side-pull battery design enables quick battery replacement.



Charging port



Discharge port



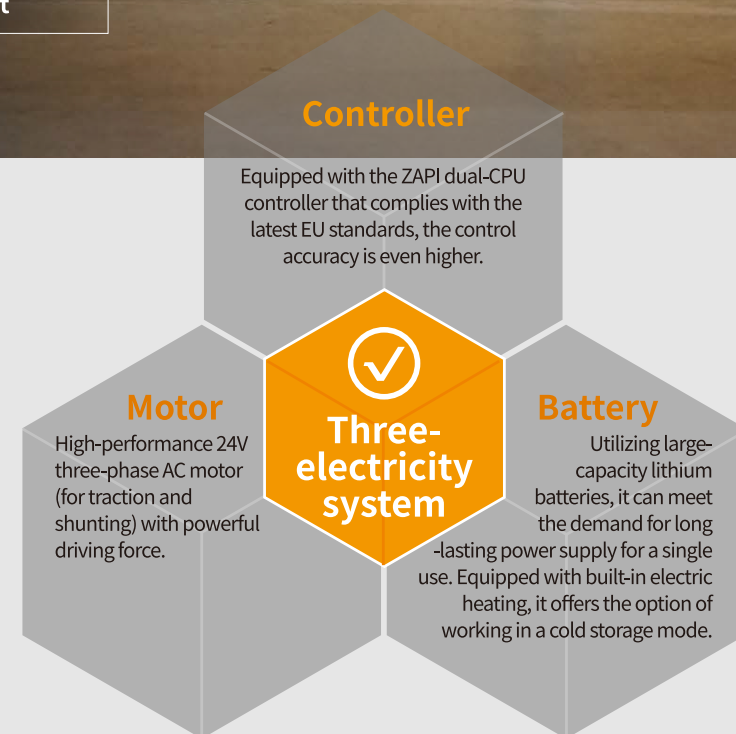
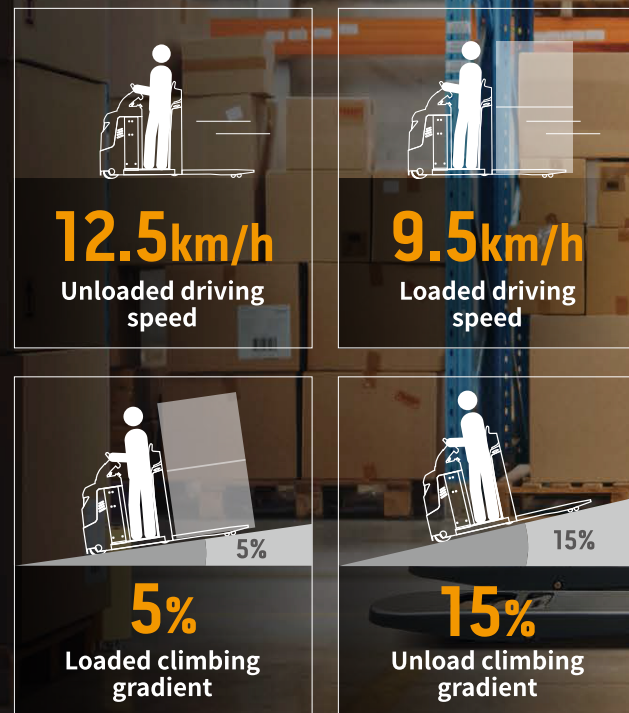
Battery side pull

Battery Configuration Table

Standard configuration	24V/404Ah	CATL Battery Cell
Selection of configuration	24V/456Ah	

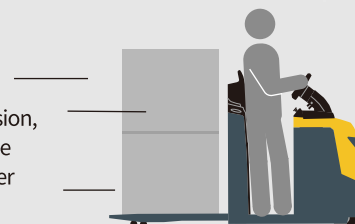
Full of energy and vitality Outstanding in strength

24V lithium battery, AC platform, superior performance



Drive unit

Equipped with ZF transmission, it is deeply matched with the drive motor, and has a higher carrying capacity.



**CARRYING
CAPACITY**

✓ Three-speed mode

Dynamic mode, standard mode and economic mode, adapt to different working scenarios



✓ Multiple walking mode

Transportation mode

Through the multi-function steering wheel, realize the vehicle forward, backward and turning control.



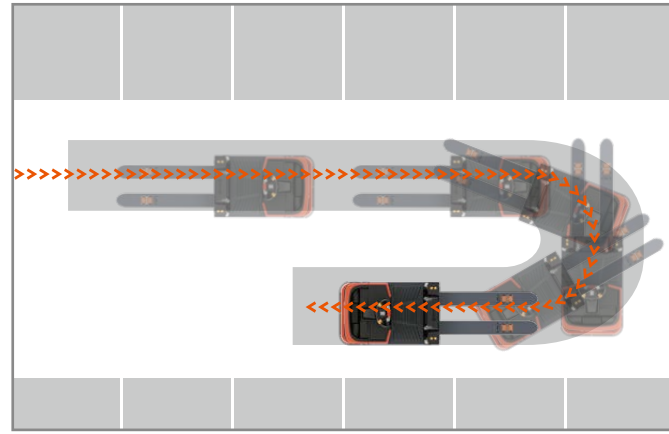
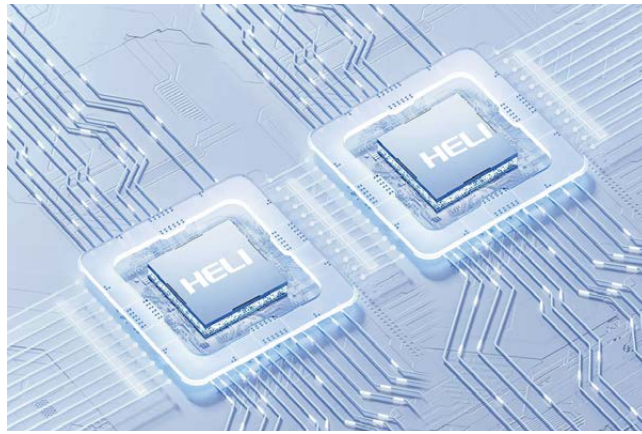
Selection mode

Through the "walking switch" on both sides of the body, the whole vehicle can follow and improve the picking efficiency.



Security upgrade Smart and Convenient

Multiple lifts in parallel to improve vehicle safety performance



✓ Intelligent control strategy

Dual-core controller, meet the latest EU security requirements.

✓ Intelligent curve deceleration

Automatic deceleration function in corners can reduce the risk of rollover in corners.

✓ Intelligent slope parking system

It is also possible to achieve the situation where the vehicle stops while the person is away on the ramp.

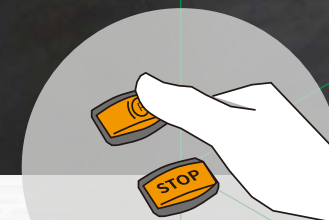
✓ Five independent systems



Release the acceleration handle to trigger the vehicle's deceleration.



Disconnect the power supply of the entire vehicle by pressing the emergency stop button.



Trigger parking brake by pressing the buttons on the handle.



Emergency brake switch

0 KM/H

The controller detects that the vehicle speed is 0 and executes the parking brake.



Verify fully Reliable and durable

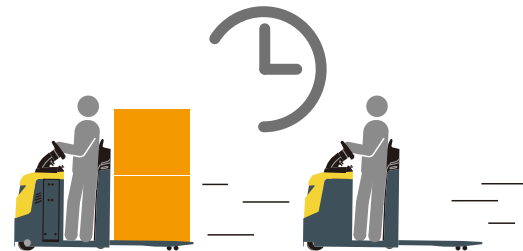
Theoretical design combined with experiments provide dual guarantees.

Overall performance test of the machine



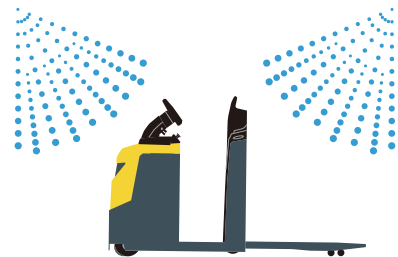
Comp machine structural dimensions, quality parameters, performance parameters, structural strength and so on.

Overall machine strengthening test



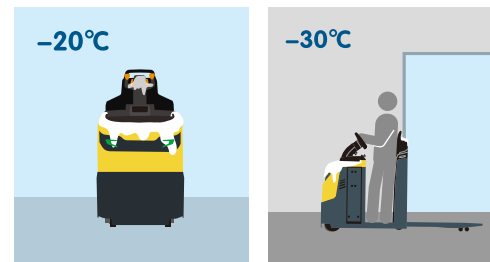
Complete the whole machine full load, empty load strengthening test

Rain test of the whole machine



Complete the rain test of the whole machine.

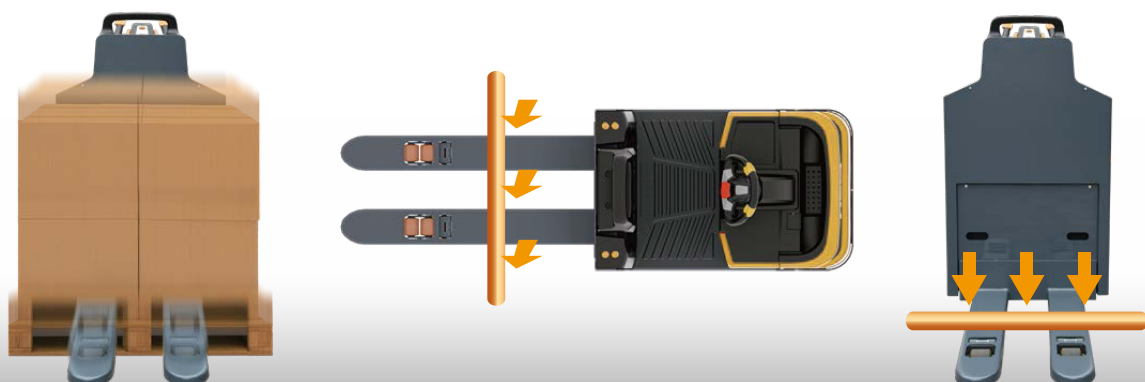
Weather resistance test of the whole machine



Completion of -20°C low temperature cold storage and -30°C low temperature cold storage in and out of storage tests.

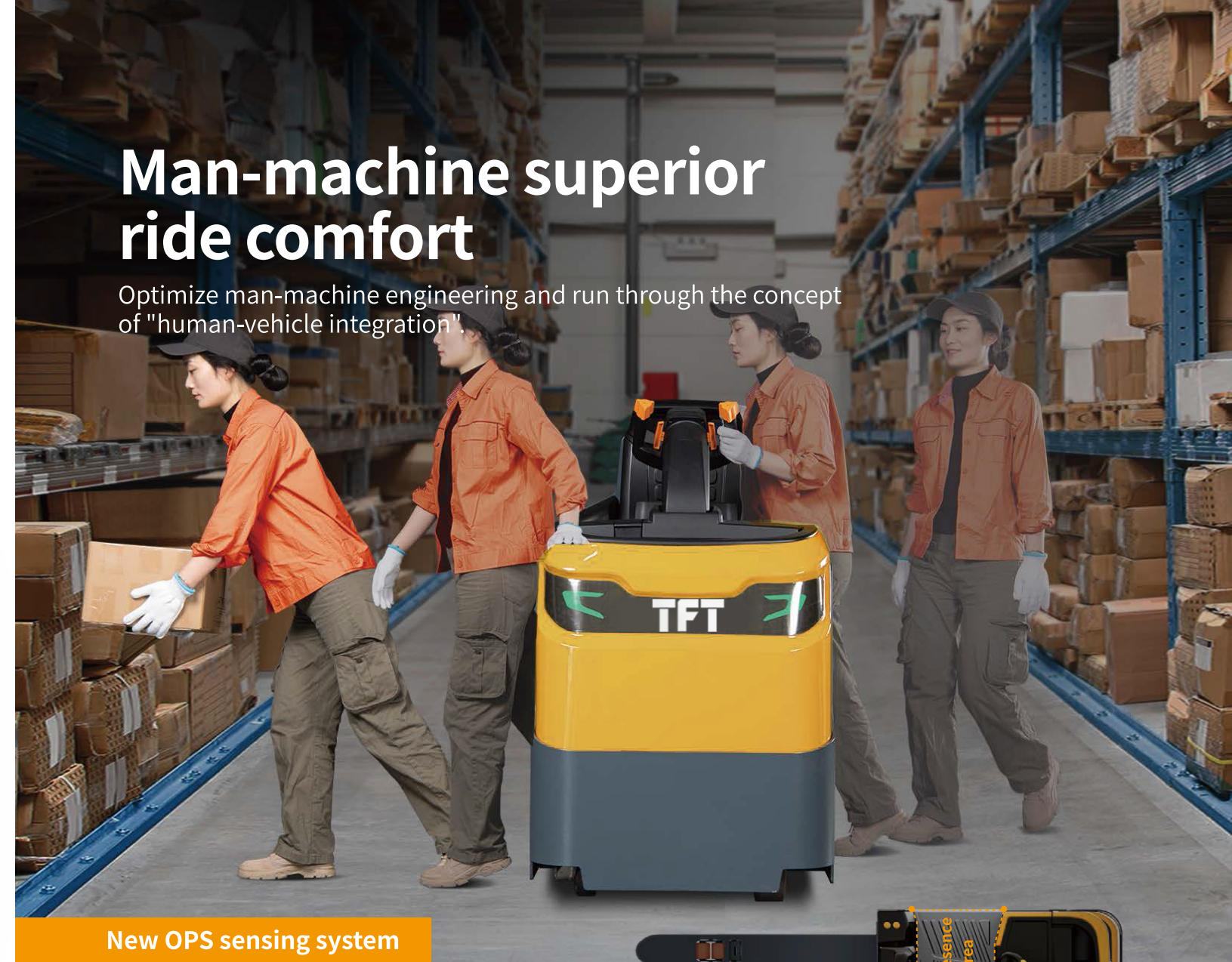
Bench test of components

Complete the fatigue endurance test of forklift mechanism and frame.



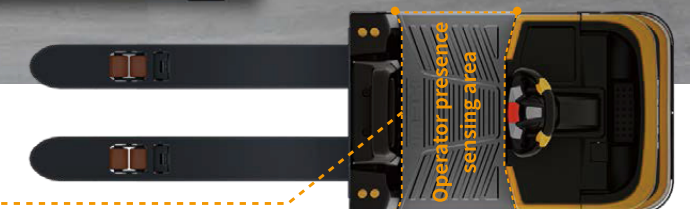
Man-machine superior ride comfort

Optimize man-machine engineering and run through the concept of "human-vehicle integration".



New OPS sensing system

Optimize the traditional OPS pedal, the entire bottom pad is converted to the "operator presence sensing area", more in line with the picking conditions of frequent on-off.



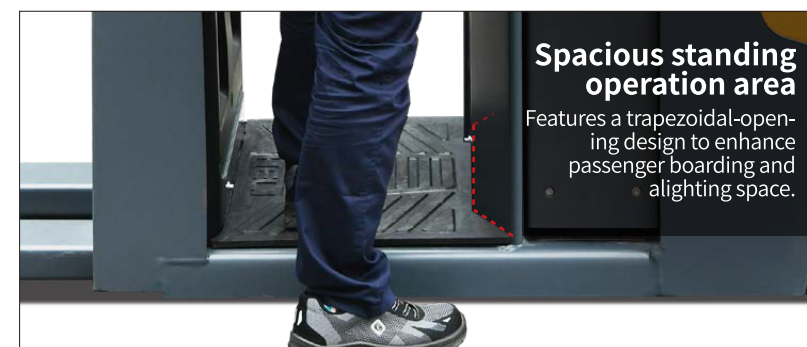
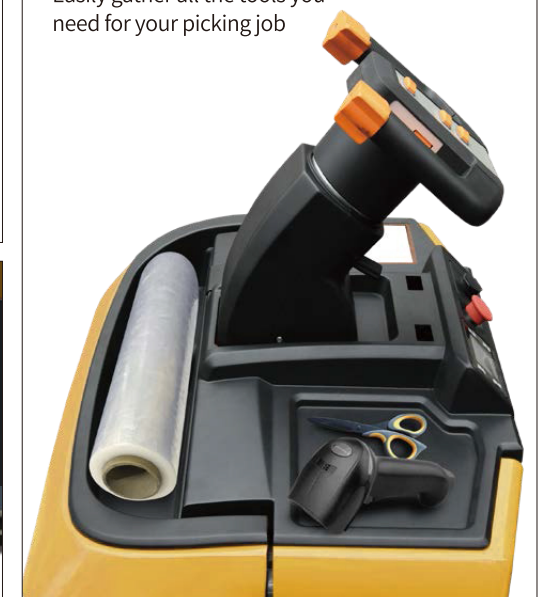
The steering wheel is adjustable in height and Angle
To meet the use of different types of operators, improve man-machine maneuverability



Ergonomic backrest
Effectively reduce driving fatigue

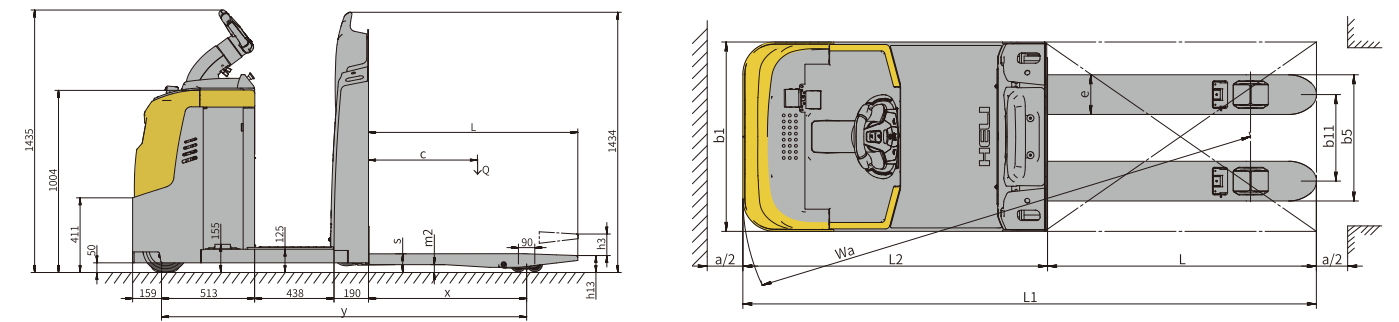
Abundant storage space

Easily gather all the tools you need for your picking job



Spacious standing operation area
Features a trapezoidal-opening design to enhance passenger boarding and alighting space.

"Meticulous","Attentive","Conscientious", Satisfactory maintenance



Features					
1.01	Manufacturer			TFT	
1.02	Series			H	
1.03	Model			OPD20L-A2LIH	OPD25L-A2LIH
1.04	Operation way			Stand-on type	
1.05	Rated capacity	Q	kg	2000	2500
1.06	Load center distance	c	mm	600	1200
1.07	Front overhang	x	mm	868	1600
1.08	Thread	y	mm	1990	2722
Weight					
2.01	Total vehicle weight (battery included)		kg	1090	1190
2.02	Front/rear axle load(full load)		kg	1050/2560	1165/2540
2.03	Front/rear axle load(no-load)		kg	790/295	850/340
Tyre					
3.01	Type			Polyurethane	
3.02	Size, drive wheel			Φ250x80	
3.03	Size, load wheel			Φ85x85	
3.04	Size, auxiliary wheel			Φ140x54	
3.05	Wheel number, front/rear(x=drive wheel)			1+1x/4	
3.06	Tread ,front wheel	b10	mm	485	
3.07	Tread ,rear wheel	b11	mm	370	
Dimensions					
4.01	Lifting height	h3	mm	125	
4.02	Tiller height (Min/Max)		mm	1394/1440	
4.03	Minimum fork height	h13	mm	85	
4.04	Overall length	L1	mm	2450	3700
4.05	Body length	L2	mm	1300	1300
4.06	Overall width	b1	mm	810	810
4.07	Fork size	s / e / L	mm	60x170x1150	60x170x2400
4.08	Width across the forks	b5	mm	540	540
4.09	Underground clearance at the center of tread	m2	mm	25	25
4.10	Steering radius	Wa	mm	2230	2970
Performance					
5.01	Driving speed(loaded/unloaded)		km/h	9.5/12.5	9.5/12.5
5.02	Lifting speed(loaded/unloaded)		mm/s	65/100	65/100
5.03	Lowering speed(loaded/unloaded)		mm/s	70/60	70/60
5.04	Max.Gradeability(loaded/unloaded)		%	5/15	5/15
5.05	Brake type			electric	
Drive					
6.01	Power of drive motor(S2-60min)		kW	3	3
6.02	Power of liftng motor(S3-15%)		kW	3	3
6.03	Battery capacity		v/Ah	24/404	24/404
6.04	Battery weight (±5%)		kg	380	380
Others					
7.01	Type of drive control			AC	AC



Configuration parameter

Serial number	Configuration eigenvalues	Configure options	Standard configuration	Optional configuration
1	Tire Form	Front and rear polyurethane tires	✓	
2	Battery replacement method	Side pull and lift	✓	
3	Fork size-outside spread	540mm	✓	
4	Fork length	1150mm	✓ (2t)	
		2400mm	✓ (2.5t)	
5	Fork height-lowered	85mm	✓	
6	Storage battery	HEDING 24V/404Ah	✓	
		PENGCHENG 24V/456Ah		✓
7	Boot mode	Key switch	✓	
		Swipe card		✓
8	Reverse buzzer	No reverse buzzer	✓	
		Equip a reverse buzzer		✓
		Equip a reverse voice horn		✓
9	Packing method	HELI packaging	✓	
		Neutral packaging		✓
10	Signage	Signs in Chinese	✓	
		English (English) signage		✓
		English (American) signs		✓

www.carretillastft.com