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ISO 45001
ISO 45001:2018



ISO 14001
ISO 14001:2015



ISO 9001
ISO 9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

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delivered may differ slightly from those in brochures.

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WS Series Electric Pallet Truck With Lithium Battery

with capacities of 1,500/1,800/2,000kg

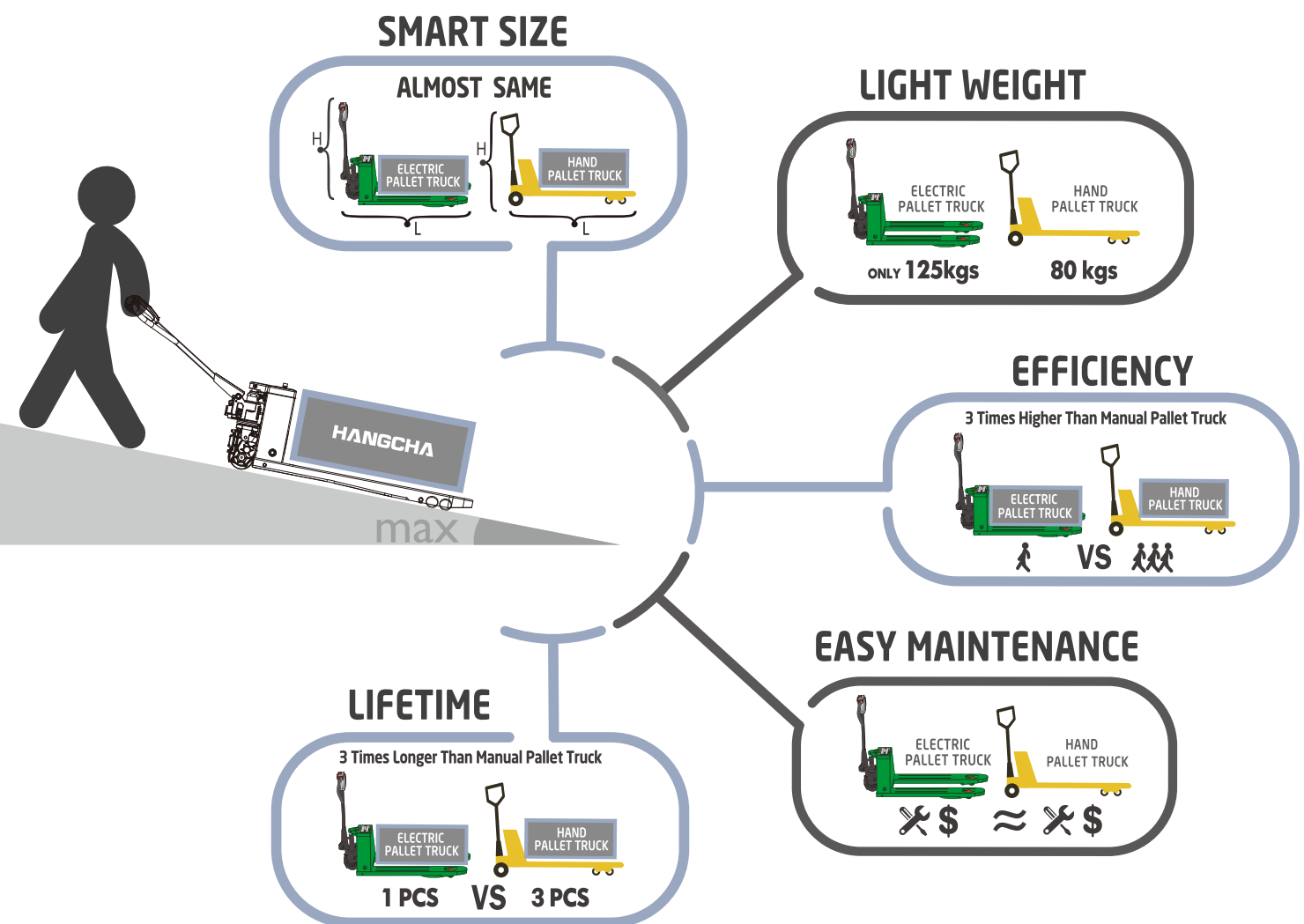
The World of Hangcha
SINCE 1956





**SMART
POWERFUL
DURABLE**

**BUILT TO
WORK
24
HOURS**



**PAY A LITTLE MORE
SAVE MUCH MORE**

Powerful With High Gradeability



Unique brushless technology

Brushless motor, powerful and maintenance free.
Leading in the industry.

 **750W/1000W power**
Brushless motor
Maintenance free

 **Powered traveling**

 **Powered lifting & lowering**



Maintenance free

For brushed motor, carbon brush needs to be replaced every 12 or 18 months.
For CBD15-WS , no need to replace carbon brush.
Maintenance-free, saving maintenance time and cost.

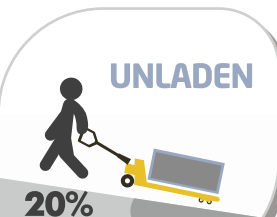
Powerful with high gradeability

To easily move 1.5 ton or 2 ton over the slopes at warehouse entrances.



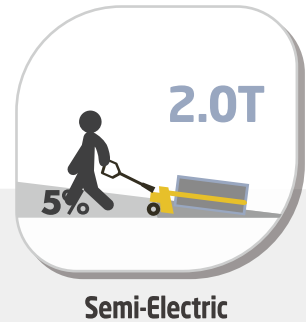

Traveling speed

— **UNLADEN 4.5Km/h**
+ **LADEN 4Km/h**


UNLADEN
20%


800Kg
10%


1.5T
6%


2.0T
5%
Semi-Electric

Gradeability

Non-stop Working

6s Replace Battery

Maintenance-free lithium battery
It takes only 6s to replace battery.
With a spare battery, the unit can keep working 24 hours.

 **Lithium-ion**

Ensured battery safety

Safe and reliable, no fire, no explosion.
Complying with IEC, UL global standard certification requirements,
ensuring the safety of user property.

- Long service life: lithium battery with a long service life.
- High safety performance: it adopts soft package battery technology, built-in protection board and multiple protection to eliminate overcharge and overdischarge.
- Maintenance free: no need to add water.

Compact and durable

▪ **Solid build, no breaking**

Chassis made by solid materials, no bending, no deformation.
Reinforced rocker arm, push rod, wheel frame and support seat. No plastic part, less damage.

▪ **Most compact unit with same lifting capacity**

Suitable for small workplaces such as compact workshops, trucks or vans, tail lifts or elevators. CBD15-WS has the smallest turning radius among similar products.

▪ **Integral forks, no splicing**

The forks are uniquely designed, easy to handle European pallets, American pallets and plastic pallets.
Solid fork with no deformation, far more durable than other brands of the same category.

Short charging time **Charge and use freely**

Quick charging: 2 hours to fully charge the battery.

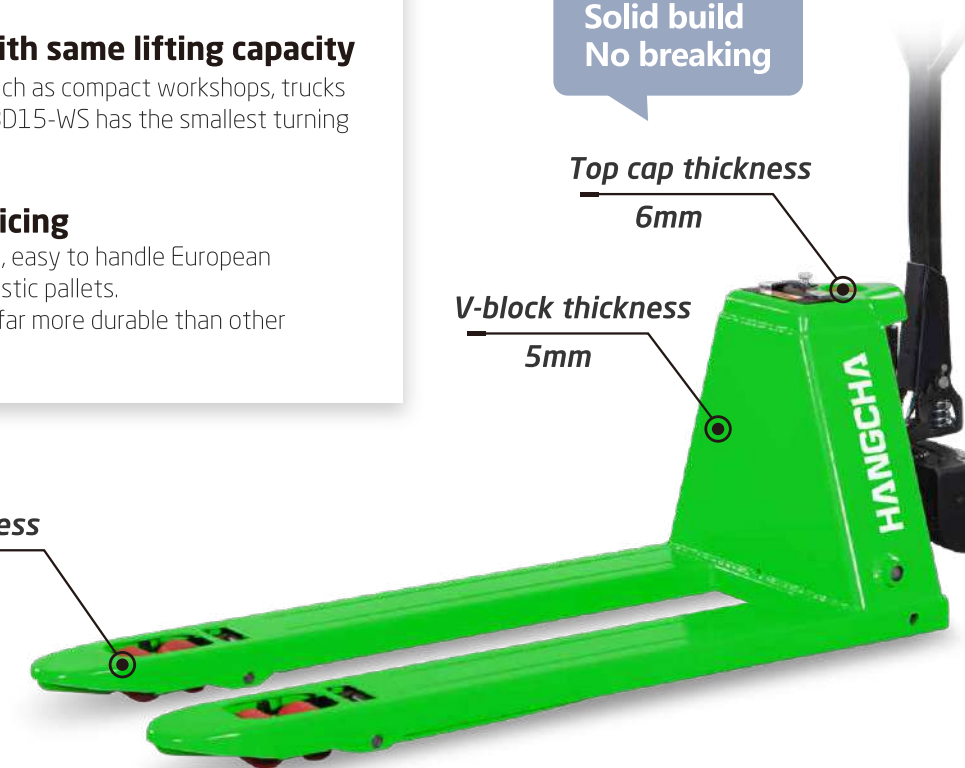


Solid build
No breaking

Top cap thickness
6mm

V-block thickness
5mm

Fork thickness
4mm



Intelligent Control

When you're moving heavy loads in tight spaces, maneuverability and controllability are critical to ensure safety, productivity and comfort.

The core concept of HANGCHA products is to make your job easier. With the ergonomically designed handle, CBD15-WS is easy to operate, reduces fatigue and improves work efficiency. Compared to other brands, users prefer to use HANGCHA WS Series.

Comfortable Operation

Easy to operate
Ergonomic handle, comfortable to use.

Leading Technology

CanBus technology is applied on this entry-level electric pallet truck.

Fast And Slow Speed

To match different levels of operator experience, and varied work environments.

Up-right Drive Mode

Convenient to operate in vans, on tail lifts, or inside elevators.

Engineering Mode

When the unit breaks down, it can be moved away manually.



- Recharge alert
- Hour meter
- Powered traveling
- Powered lifting & lowering
- Error code display
- PIN access control
- Emergency stop button
- Horn

Slope anti-sliding design

Easy parking on slopes, preventing accidental backing of the machine.

Easy Maintenance

WS Series utilizes HANGCHA's integrated diagnostics, error code display and HANGCHA's original service mini-program to facilitate quick problem resolution.



Ready to Handle Multiple Jobs

With its unique design, WS Series is powerful and maneuverable to meet the application in a wide range of working conditions.



Warehouses/Logistics center



Truck tail lift



Supermarket

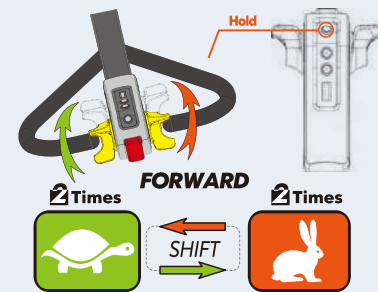
Pallet trucks are a necessary investment. Choosing the wrong machine could cause loss in productivity, high cost of machine downtime, unhappy workers, and overall, increased running costs. Choosing WS Series will reward you with long-term value.

HANGCHA WS Series

- Powerful
- Durable
- Easy maintenance
- Low use cost
- High return on investment

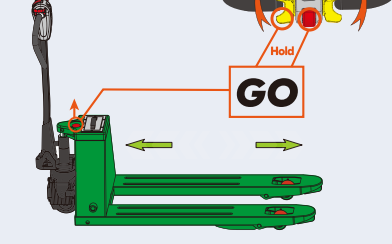
SMART FUNCTION 01

Turtle Speed
Horn Remains Pressed & Forward 2 times



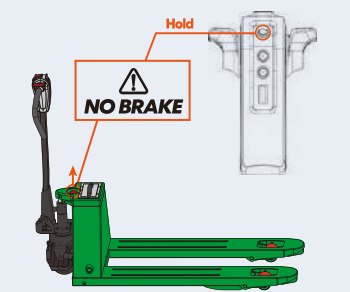
SMART FUNCTION 02

Up-Right Drive
Reverse Button & Forward Throttle Remain Pressed, Power On



SMART FUNCTION 03

Engineering Mode (Brake Release)
Horn Remains Pressed, Power On



⚠ In up-right drive mode, vehicle will move when handle is operated at any position. Please avoid misoperation.

⚠ Brake release mode is only for emergencies, not allowed for vehicle with normal conditions.

Basic Configuration

- 82mm/75mm/65mm Lowered height of fork



Multi-function Handle
(Full Electric)

- Emergency reverse button
- Horn
- Forward/reverse butterfly switch
- Lifting / Lowering
- LCD Screen
 - ◆ Battery indicator with hour meter
 - ◆ Error code display
 - ◆ Recharge Alert



Multi-function Ergonomic Handle
(Semi-electric)



Tandem/Single PU wheel



Battery Protection Stopper



Protection cover



Electric Lifting/Lowering



Optional

- Key button
- Upright driving button
- Max speed setting button
- Horn button



Intelligent Control Key
Only available on CBD15/20-WS 82mm/65mm



48V 15Ah battery
with bigger capacity
Longer working hour



5A fast charger
Shorter charging hour



Load backrest
When goods are stacked high, the load backrest can prevent it from falling, ensuring user safety.



Balance wheel
Only available on CBD15-WS



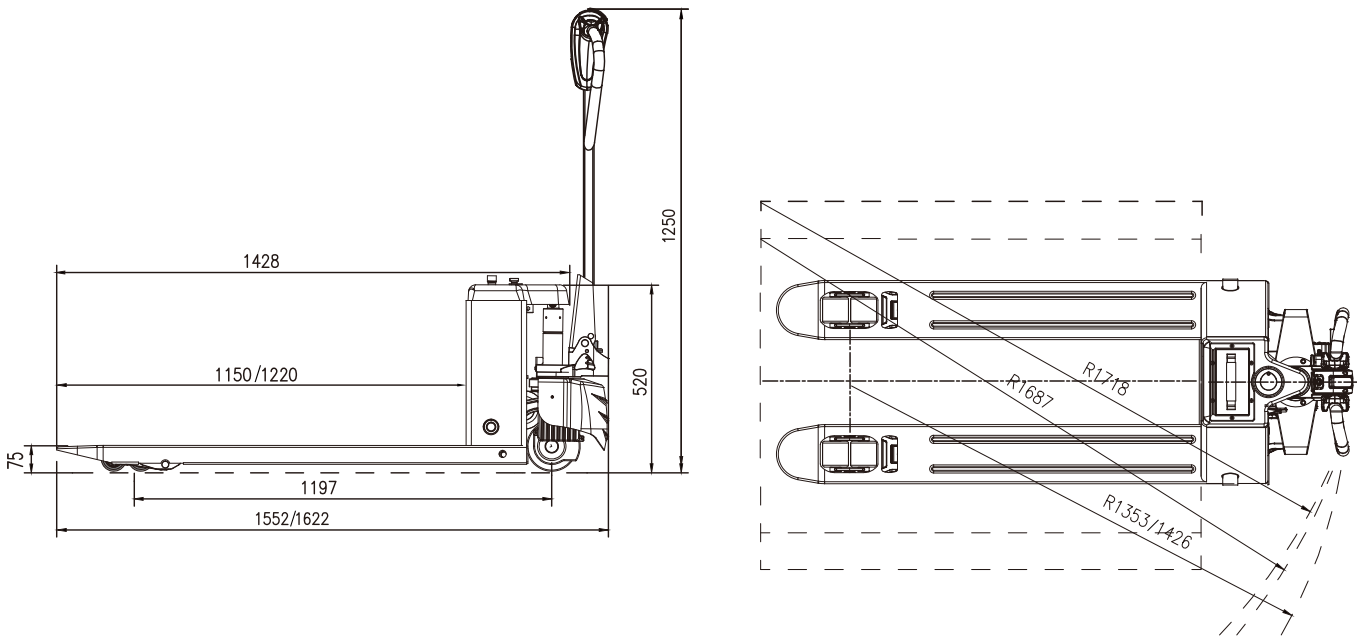
Fork length(82mm Lowered height of fork)
800/900/1150/1220/1500/1800/2000mm
fork length options
Fork length(75mm Lowered height of fork)
800/900/1000/1150/1220mm
fork length options
Fork length(65mm Lowered height of fork)
685*1120mm
550*1150mm



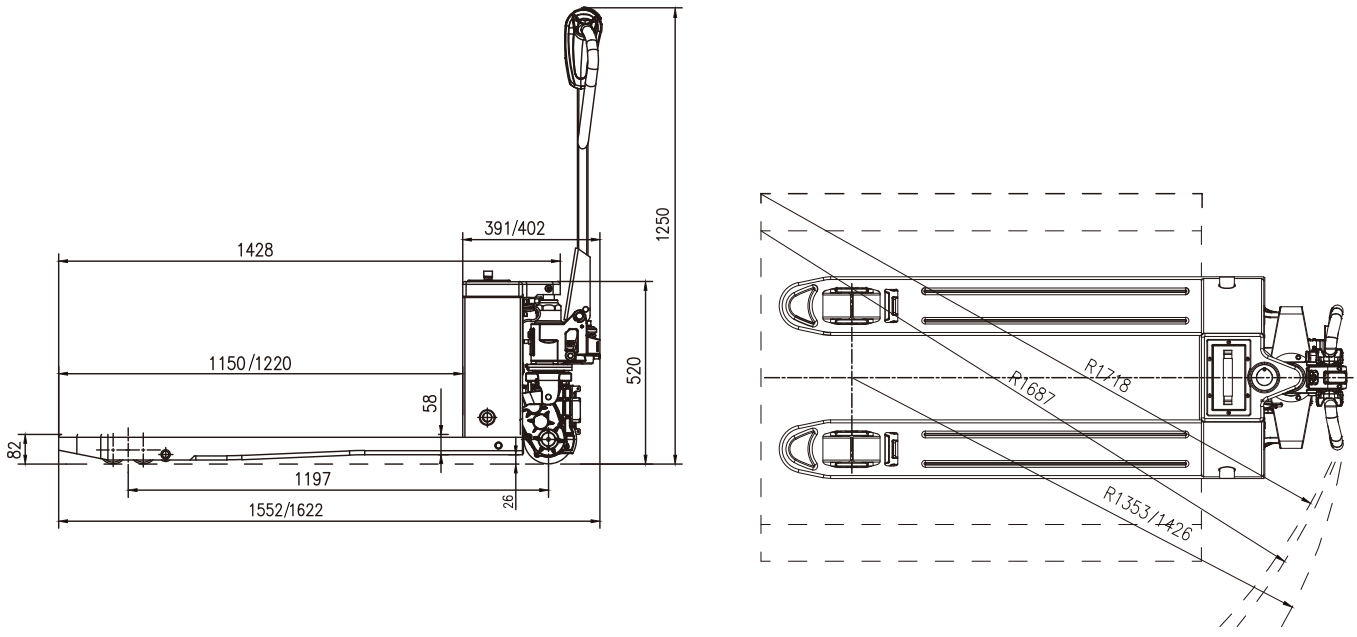
Wrapping film holder

Dimensions

CBD15/20-WS 75mm Lowered height of fork



CBD15/20-WS 82mm Lowered height of fork



WS Series Electric Pallet Truck With Lithium Battery Specification

Characteristics		Manufacturer		HANGCHA GROUP CO.,LTD.									
		Model		CBD20-WS-SE		CBD15-WS		CBD15-WS-65L		CBD20-WS		CBD20-WS-65L	
	1.1	Capacity	kg	2000	1500		1500		2000		2000		
	1.2	Load centre distance	mm	600	600		600		600		600		
	1.3	Standard overall fork width	mm	550/685	550/685	520/550/685	550/685	550/685		550/685			
	1.4	Fork length	mm	1150/1220	1150/1220		1150/1220		1150/1220		1150/1220		
	1.5	Overall length	mm	1552/1622	1552/1622		1552/1622		1552/1622		1552/1622		
	1.6	Wheelbase	mm	1197/1267	1197/1267		1197/1267		1197/1267		1197/1267		
	1.7	Lowered height of fork	mm	82±2	75±2	82±2	65±2	75±2	82±2	65±2			
	1.8	MAX height of fork	mm	197	190	197	165	190	197	165			
	1.9	Overall length (with tiller)	mm	1300	1300	1250	1250	1300	1250	1250			
	1.10	Rear body width	mm	550/685	520/550/685		550/685		550/685		550/685		
	1.11	Minimum turning radius	mm	1353/1426	1353/1426		1353/1426		1353/1426		1353/1426		
		Aisle width for pallets 1000x1200 crossways	mm	1718	1718		1718		1718		1718		
		Aisle width for pallets 800x1200 crossways	mm	1687	1687		1687		1687		1687		
Performance	2.1	Max.Traveling speed	laden	km/h	4	4	4	4	4	4	4		
			unladen	km/h	4.5	4.5	4.5	4.5	4.5	4.5	4.5		
	2.2	Gradeability	laden	%	6	6	6	6	6	6	6		
			unladen	%	20	20	20	20	20	20	20		
	2.3	Traveling		kW	DC 1.0 Brushless	DC 0.75 Brushless	DC 0.75 Brushless	DC 1.0 Brushless	DC 1.0 Brushless	DC 1.0 Brushless	DC 1.0 Brushless		
	2.4	Lifting		kW	Hydaraulic	DC 0.8	DC 0.8	DC 0.8	DC 0.8	DC 0.8	DC 0.8		
Battery	2.5	Lifting speed, laden/unladen		mm/s	/	18/23	18/23	18/23	18/23	18/23	18/23		
	2.6	Lowering speed, laden/unladen		mm/s	/	56/46	56/46	56/46	56/46	56/46	56/46		
	4.1	Voltage		V	48	48	48	48	48	48	48		
	4.2	Capacity/type		Ah	10Ah Lithium	10Ah Lithium	10Ah Lithium	10Ah Lithium	10Ah Lithium	10Ah Lithium	10Ah Lithium		
Brake Type	5.1	Travel brake			Regenerate	Regenerate	Regenerate	Regenerate	Regenerate	Regenerate	Regenerate		
	5.2	Brake			Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic		
Controller	6.1	Controller			B1503	B1503	B1503	B1503	B1503	B1503	B1503		

• 520mm fork width: only for CBD15-WS model.