



WS Series Electric Pallet Truck With Lithium Battery

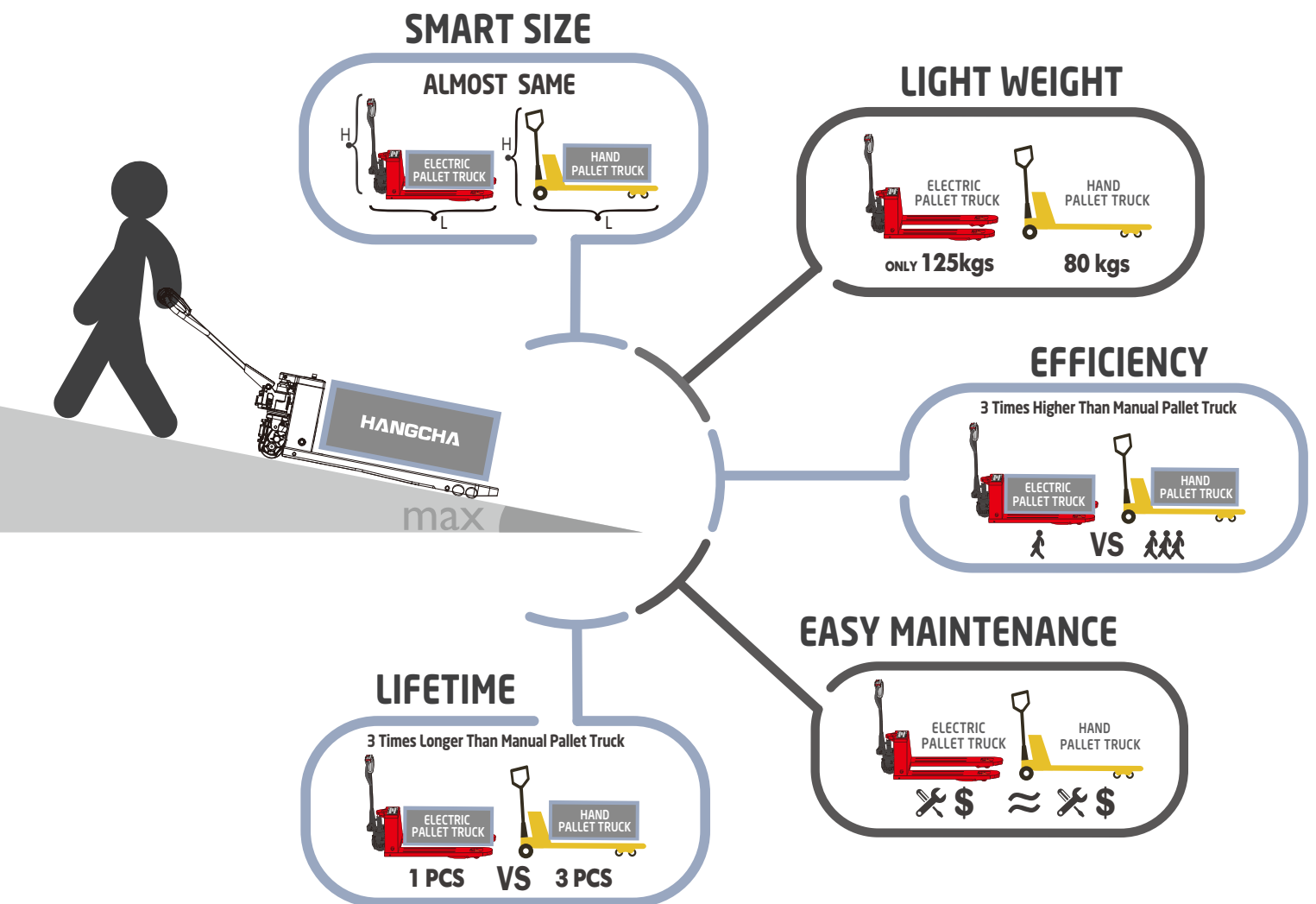
with capacities of 1,500/1,800/2,000kg

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

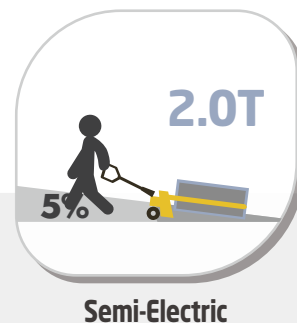
To easily move 1.5 ton or 2 ton over the slopes at warehouse entrances.



Traveling speed

— **UNLADEN 4.5Km/h**

+ **LADEN 4Km/h**



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.



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

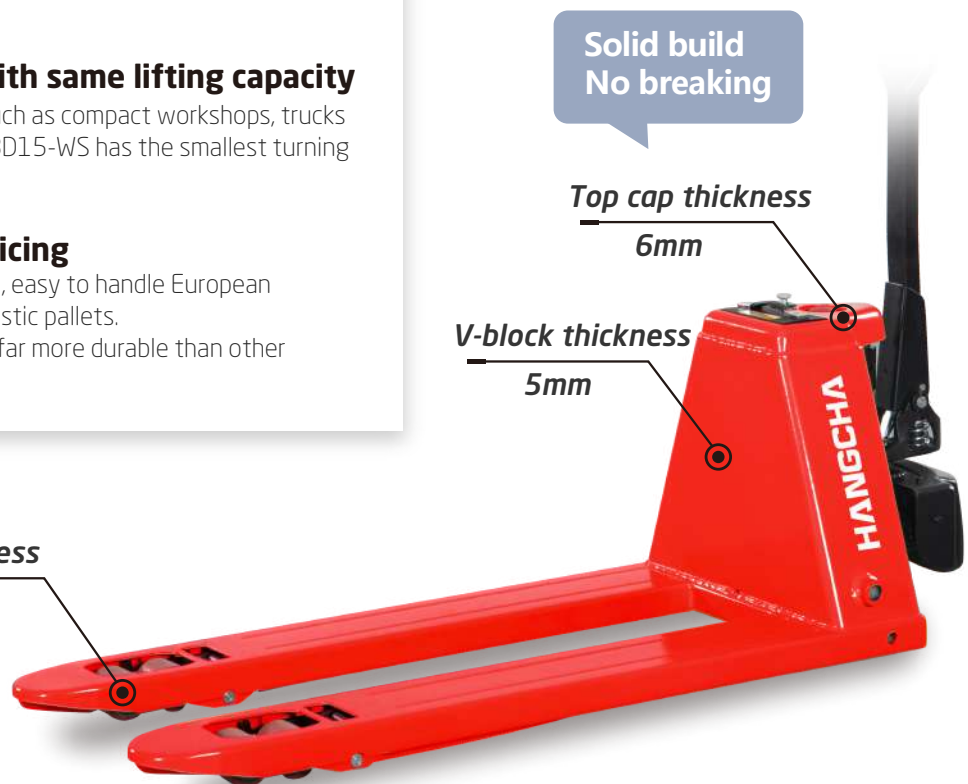
6mm

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.

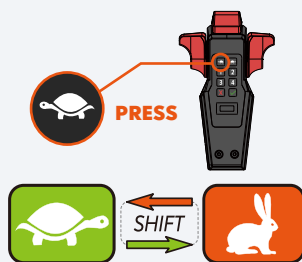
■ 75mm Lowered height of fork

SMART FUNCTION

01

Turtle Speed

Press the turtle speed button

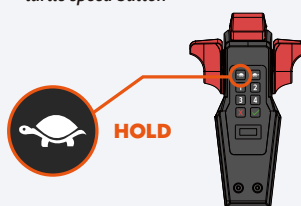


SMART FUNCTION

02

Up-Right Drive

Keep holding the turtle speed button

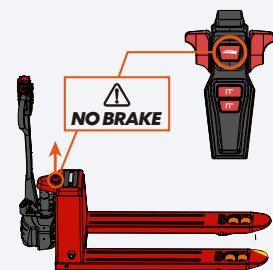


SMART FUNCTION

03

Engineering Mode (Brake Release)

Horn Remains Pressed & Power On



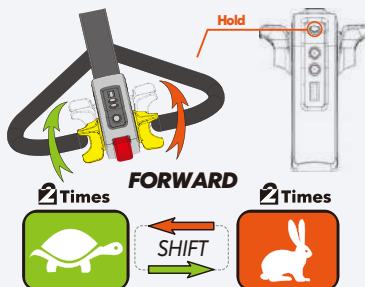
■ 82mm Lowered height of fork

SMART FUNCTION

01

Turtle Speed

Horn Remains Pressed & Forward 2 times

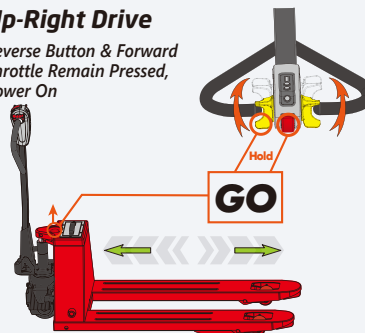


SMART FUNCTION

02

Up-Right Drive

Reverse Button & Forward Throttle Remain Pressed, Power On

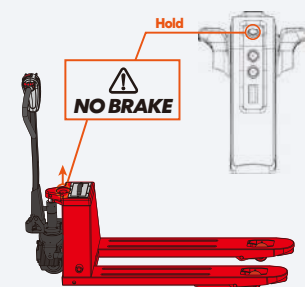


SMART FUNCTION

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.

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**

Basic Configuration

■ 75mm Lowered height of fork



Multi-function Handle

- Emergency reverse button
- Password key
- LCD Screen
 - ◆ Battery indicator with hour meter
 - ◆ Error code display
 - ◆ Recharge alert

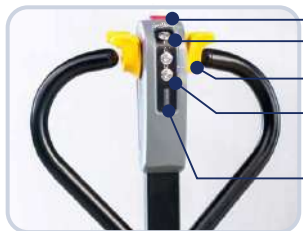


- Forward/reverse butterfly switch
- Horn
- Lifting / Lowering

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



■ 65mm/82mm 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)



Protection cover



Electric Lifting/Lowering



Battery Protection Stopper



Tandem/Single PU wheel

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

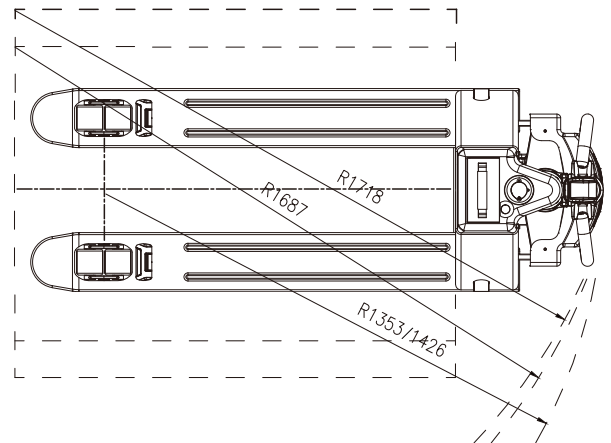
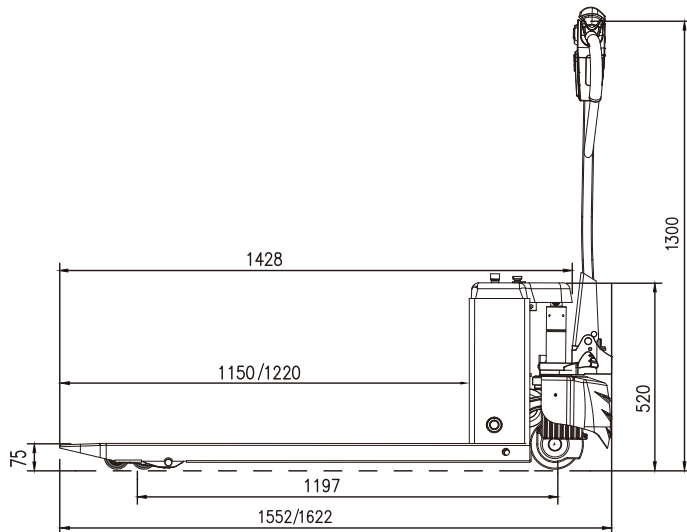


Wrapping film holder

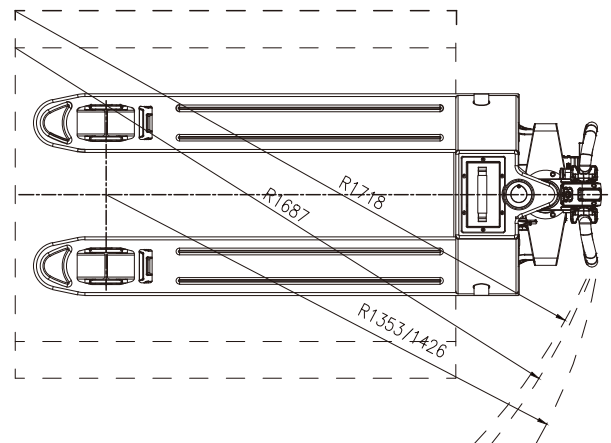
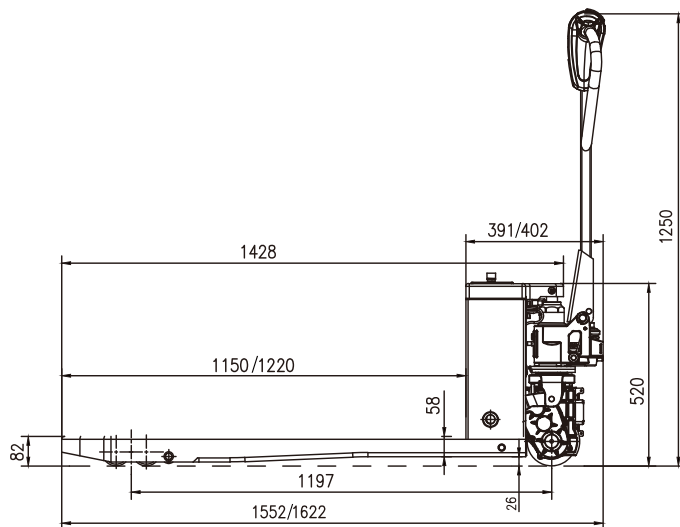


Dimensions

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		CBD18-WS-SE	CBD20-WS-SE	CBD15-WS		CBD15-WS-65L	CBD20-WS	
	1.1	Capacity	kg	1800	2000	1500		1500	2000
	1.2	Load centre distance	mm	600	600	600		600	600
	1.3	Standard overall fork width	mm	550/685	550/685	550/685	520/550/685	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	82±2	75±2	82±2	65±2	75±2 82±2
	1.8	MAX height of fork	mm	197	197	190	197	165	190 197
	1.9	Overall length (with tiller)	mm	1300	1300	1300	1250	1250	1300 1250
	1.10	Rear body width	mm	550/685	550/685	520/550/685		550/685	550/685
	1.11	Minimum turning radius	mm	1353/1426	1353/1426	1353/1426		1353/1426	1353/1426
Performance	2.1	Max.Traveling speed	laden unladen	km/h km/h	4 4.5	4 4.5	4 4.5	4 4.5	4 4.5
	2.2	Gradeability	laden unladen	% %	6 20	6 20	6 20	6 20	6 20
	2.3	Traveling	kW		DC 0.75 Brushless	DC 1.0 Brushless	DC 0.75 Brushless	DC 0.75 Brushless	DC 1.0 Brushless
	2.4	Lifting	kW		Hydaraulic	Hydaraulic	DC 0.8	DC 0.8	DC 0.8
	2.5	Lifting speed, laden/unladen	mm/s		/	/	18/23	18/23	18/23
	2.6	Lowering speed, laden/unladen	mm/s		/	/	56/46	56/46	56/46
Battery	4.1	Voltage	V		48	48	48	48	48
	4.2	Capacity/type	Ah		10Ah Lithium	10Ah Lithium	10Ah Lithium	10Ah Lithium	10Ah Lithium
Brake type	5.1	Travel brake			Regenerate	Regenerate	Regenerate	Regenerate	Regenerate
	5.2	Brake			Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
Controller	6.1	Controller			B1503	B1503	B1503	B1503	B1503

- 520mm fork width: only for CBD15-WS model.
- 75 Low Profile: for CBD15-WS and CBD20-WS, with the combination lock handle.



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ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

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