



## T Series Premium Range Pallet Truck

with capacities of 2,000kg

### Durability

- / Durable frame construction, with integrated welded forks brings the truck high rigidity, and long working life.
- / New butterfly drive controller is more easy for operator.
- / Integrated ZF transmission system, more reliable.

### Productivity

- / Compacted chassis design, makes the truck operated in limited spacious.
- / Powerful AC traction motor with Curtis control system.
- / Applied MOSEFET high frequency control.
- / Germany WICKE wheel.
- / Unique steering pivot design, which makes the drive motor suspends during steering.
- / Shock absorber are standard specification for the caster wheel, prolong the truck's working life time.

### Ergonomics

- / Tiller is ergonomically designed for Max. driver's comfort.
- / Dual lift/lower button controls allow operation by either hand.
- / Creep speed control button is available.
- / Conductor belt is standard specification.

### Serviceability

- / Battery discharge indicator with lifting interrupt as standard specification when 20% battery capacity available and inform the operator of recharge requirement.
- / IP54 environment sealing, which protect the inside componets.
- / Open the back cover, every components are easy to reach.

### Standard Specification

- / Poly. Drive wheel and load wheels
- / AC drive motor and control system
- / Emergency cut off switch
- / Combined hydraulic unit
- / LED panel
- / 220Ah battery



### Options

- / 900mm, 923mm, 973mm, 1000mm, 1019mm, 1023mm, 1125mm, fork length
- / 520mm, 560mm, 670mm fork distances
- / Tandem load wheel
- / High frequency auto charger



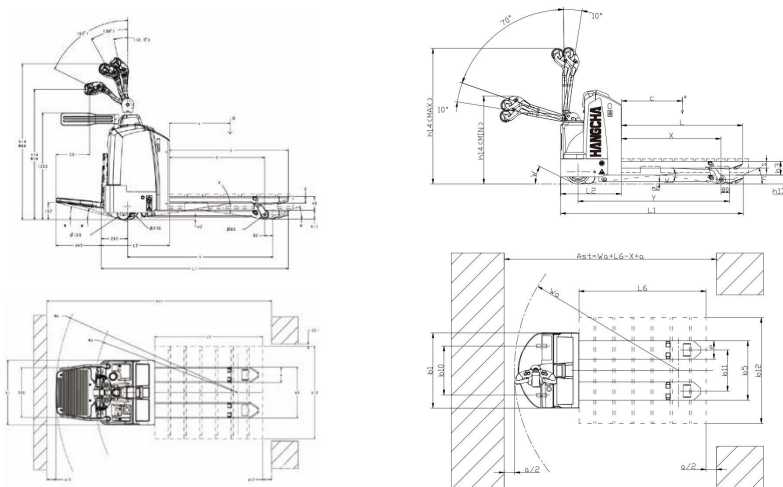
Stand-on

## T Series Premium Range Pallet Truck

Distinguishing mark	HANGCHA GROUP CO.,LTD.			
	1.1	1.2	1.3	1.4
1.1	Manufacturer	HANGCHA GROUP CO.,LTD.		
1.2	Manufacturer's type designation	CB020-TC1	CB020-TC1	CB020-T5C1
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	ELECTRIC	ELECTRIC	ELECTRIC
1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Pedestrian	Pedestrian	Standing
1.5	Rated capacity/rated load	2000/4409	2000/4409	2000/4409
1.6	Load centre distance	c(mm/in)	587/23.1	586/23.0
1.7	Load distance, centre of drive axle to fork	x(mm/in)	942/37.0	893/35.2
1.9	Wheelbase	y(mm/in)	1352/53.2	1304/51.3
	Wheelbase type		Single load wheels (Long wheelbase)	*Random load wheels (Short wheelbase)
			poly	poly
	Tyres: solid rubber, superelastic, pneumatic, polyurethane		poly	poly
3.1	Tyre size, front	mm/in	φ250x100 / φ9.8x3.9	φ250x100 / φ9.8x3.9
3.2	Tyre size, rear	mm/in	φ85x110/φ3.3x4.3	φ85x95/φ3.3x4.3
3.4	Additional wheel (dimensions)	mm/in	φ100x40/φ3.9x1.6	φ125x50/φ4.9x2.0
3.5	Wheel number front/rear(=Drive wheels)		1x+2/2	1x+2/2
3.6	Tread, Front	b <sub>1</sub> (mm/in)	461/18.1	461/18.1
3.7	Tread, Rear	b <sub>2</sub> (mm/in)	390/15.4	390/15.4
4.4	Lift	h <sub>1</sub> (mm/in)	130/5.1	130/5.1
4.9	Height drawbar in driving position min./max.	h <sub>2</sub> (mm/in)	829/1288 (32.6/50.7)	829/1288 (32.6/50.7)
4.15	Height, lowered	h <sub>3</sub> (mm/in)	89/3.3	89/3.3
4.19	Overall length (pedal folded/unfolded)	l <sub>1</sub> (mm/in)	1751/68.9	1749/68.9
4.20	Length to face of forks	l <sub>2</sub> (mm/in)	578/22.8	578/22.8
4.21	Overall width	b <sub>3</sub> (mm/in)	712/28.0	712/28.0
4.22	Fork dimensions ISO 2331	s/e/ l (mm/in)	64/170/1173 (2.5/6.7/46.2)	64/170/1173 (2.5/6.7/46.2)
4.25	Distance between fork-arms	b <sub>4</sub> (mm/in)	560/22.0	560/22.0
4.32	Ground clearance, centre of wheelbase	m <sub>1</sub> (mm/in)	21/0.8	21/0.8
4.34.1	Alisle width for pallets 1000 x 1200 crossways (pedal folded/unfolded)	A <sub>1</sub> (mm/in)	1980/78.0	1979/77.9
4.34.2	Alisle width for pallets 800 x 1200 lengthways (pedal folded/unfolded)	A <sub>2</sub> (mm/in)	2007/79.0	2008/79.1
4.35	Turning radius (pedal folded/unfolded)	r <sub>1</sub> (mm/in)	1549/61.0	1501/59.1
5.1	Travel speed, laden/unladen	km/h mph	6.0/6.0 (3.7/3.7)	6.0/6.0 (3.7/3.7)
5.2	Lift speed, laden/unladen	m/s (ft/min)	0.04/0.05 (7.9/9.8)	0.04/0.05 (7.9/9.8)
5.3	Lowering speed, laden/unladen	m/s (ft/min)	0.09/0.04 (17.7/7.9)	0.09/0.04 (17.7/7.9)
5.7	Gradeability, laden/unladen	%	10.0/15	10.0/15
	Gradeability (pedestrian)	U/V/W (%)	34/15/38	34/16/38
	Gradeability (Standing)	U/V/W (%)	/	34/15/24
5.8	Max. Gradeability, laden/unladen	%	14.5/20	14.5/20
5.10	Service brake		Electric	Electric
6.1	Drive motor rating S2 60 min	kW/hp	1.25/1.7	1.25/1.7
6.2	Lift motor rating at S3 15%	kW/hp	1.2/1.6	1.2/1.6
6.3	Battery acc. to DIN 43531/35/36 A,B,C, no		B	B
	Battery dimensions	l/b/h (mm/in)	212x624x627 / 8.3x24.6x24.7	283x624x627 / 11.1x24.6x24.7
6.4	Battery voltage, nominal capacity KS	V/Ah	24/220	24/220
6.5	Battery weight	kg/lb	212/467	312/688
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.384	0.43
10.7	Sound pressure level at the driver's seat	dB(A)	<70	<70

Note: Specifications are subject to change without notice.

\* Optional



## CBD18-WM

with capacities of 1,800kg



## Drive Unit

- / Vertically mounted AC drive motor is direct mounted to gear housing. Oil bathed hypoid bevel gear drive train with tapered roller bearings transfers power to axle.
- / State of the art optimized gear technology supplies advantages such as minimal envelope circle, zero maintenance, low noise level, high efficiency and high performance.
- / Electromagnetic brake is mounted on motor armature shaft multiplying. Brake is applied when control arm is in the vertical or horizontal handle position. System features anti-roll back and neutral braking.

## Electrical

- / Electric braking, quick disconnect EPD power cut off, key switch and battery discharge indicator are standard equipment.

## Tiller Arm Controls

- / Travel, lift, and lower functions are located in the ergonomic operator handle. All operator controls are accessible without having to lift the hand from the handle.
- / Angle grips are designed to allow easy operation with either hand. Wrap around guard, reversing switch, thumb control, and horn are standard. Low mounted tiller arm offers excellent operator comfort and minimum steering effort. Gas assisted spring tiller handle gently returns to vertical position when released.
- / Crawl speed function with steer handle at 15° back-tilt from vertical allows for ease of use in tight areas.

## Accessibility

- / Water resistant removal three piece power head cover exposes major components and maintenance free AGM batteries for inspection and maintenance.

## Hydraulics

- / Lift cylinder has hard chrome plated rods. Pump unit including motor, solenoid, gear pump, and pressure compensated lowering valve are mounted high in the power compartment for ease of service.

## Standard Specification

- / Battery discharge indicator
- / Key switch
- / Emergency power disconnect
- / Built-in automatic battery charger

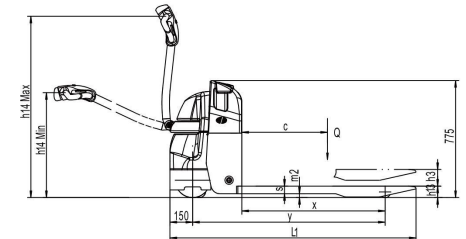
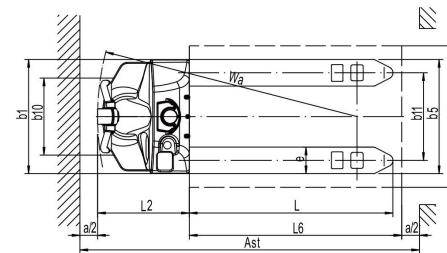
## Options

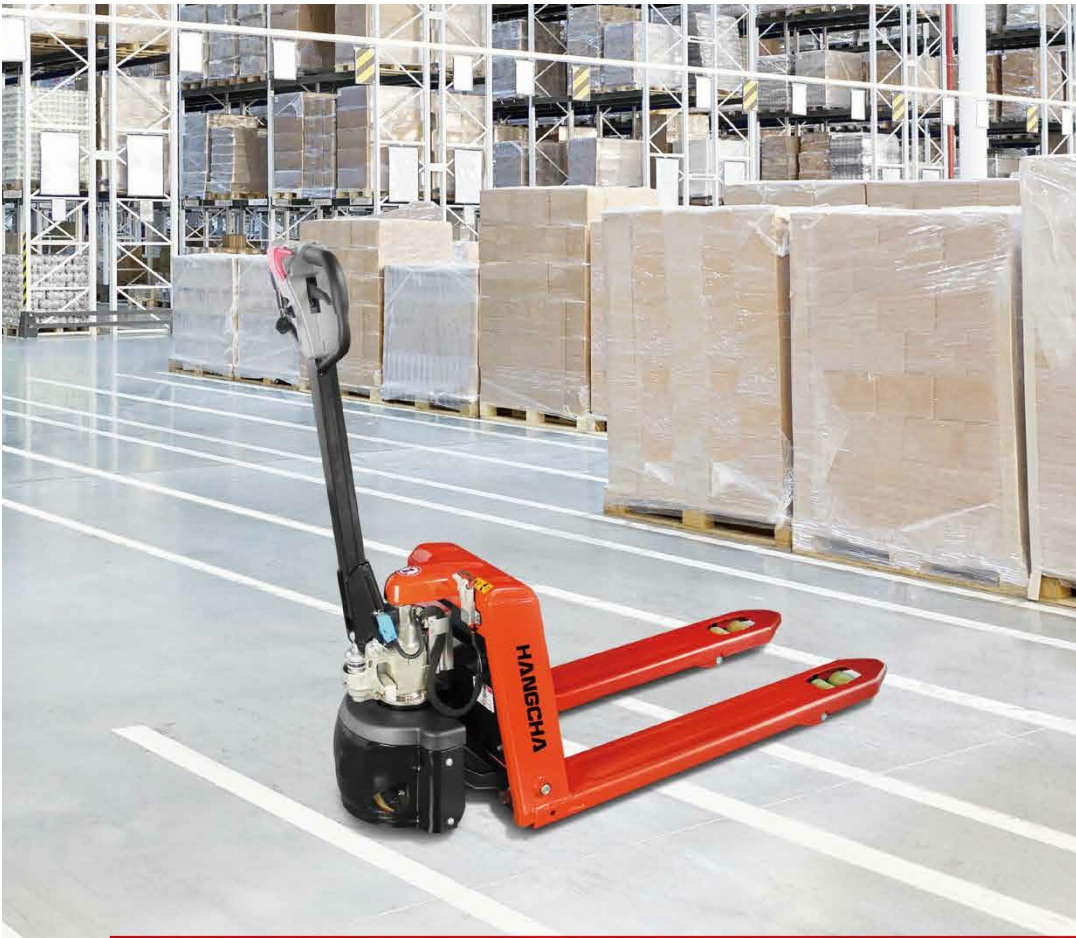
- / Rubber lug drive wheel
- / 1220 tall load backrest
- / Other fork length on inquiry



## CBD18-WM

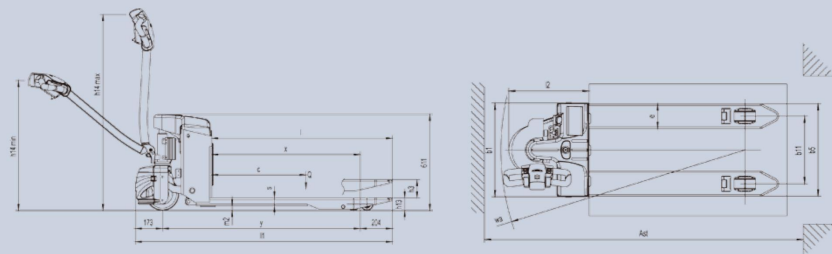
		HANGCHA GROUP CO., LTD.	
Characteristics	1.1	Manufacture	CBD18-WM
	1.2	Manufacturer's type designation	Electric
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Pedestrian
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	1800/3968
Weight	1.5	Rated Load capacity	Q (kg/lb)
	1.6	Load center	C (mm/in)
	1.7	Load distance	x (mm/in)
	1.9	Wheelbase	y (mm/in)
	2.1	Service weight (include battery)	kg/lb
Wheels&Tyres	2.2	Axle loading, laden driving side/loading side	770/1315 (1698/2899)
	2.3	Axle loading, unladen driving side/loading side	230/55 (507/121)
	3.1	Tyre type, Driving wheels/Loading wheels	PU/ PU
	3.2	Tyre size, driving wheel	φ230x75 / φ9.1x3.0
	3.3	Tyre size, loading wheel	mm/in
	3.4	Tyre size, caster wheel	2-φ74x88(φ80x60) 2-φ2.9x3.5(φ3.1x2.4)
	3.5	Wheels, number of driving, caster/loading (x=drive wheel)	2-φ85x48 2-φ3.3x1.9
	3.6	Track width, front, driving side	b10 (mm/in)
	3.7	Track width, rear/loading side	b11 (mm/in)
	4.4	Lifting height	h3 (mm/in)
Dimensions	4.9	Height of tiller in driving position min./max.	h4 (mm/in)
	4.15	Lowered height	h3.3 (mm/in)
	4.19	Overall length	l1 (mm/in)
	4.20	Length to face of forks	l2 (mm/in)
	4.21	Overall width	b1/b2 (mm/in)
	4.22	Fork dimensions	s/e/l (mm/in)
	4.25	Distance between fork-arms	b5 (mm/in)
	4.32	Ground clearance, center of wheelbase	m2 (mm/in)
	4.34.1	Aisle width for pallet 1000x1200mm crossways	Ast (mm/in)
	4.34.2	Aisle width for pallet 800x1200 lengthways	Ast (mm/in)
Performance	4.35	Turning radius	Wd (mm/in)
	5.1	Travel speed,laden/unladen	km/h mph
	5.2	Lifting speed,laden/unladen	m/s (ft/min)
	5.3	Lowering speed,laden/unladen	m/s (ft/min)
	5.8	Maximum gradeability, S2 5 min.,laden/unladen	%
Motor&Battery	5.1	Service brake	Electromagnetic
	6.1	Drive motor rating S2 60 min	1.1/1.5
	6.2	Lift motor rating at S3 15%	0.84/1.1
	6.3	The maximum allowed size battery	mm/in
		Battery	Maintenance free battery
	6.4	Battery voltage/nominal capacity (5h)	V/Ah
Others	6.5	Battery weight	kg/lb
	8.1	Type of drive control	AC
	10.5	Steering type	mechanical
	10.7	Sound level at operator's ear	dB(A)





## Replace of Hand Pallet Truck

with capacities of 1,500kg



## Replace of Hand Pallet Truck

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.
	1.2	Manufacturer's type designation		CB015-W-SE
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Semi-electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		pedestrian
	1.5	Load capacity	Q (kg/lb)	1500/3307
Weight	2.1	Service weight	kg/lb	140/309
Tyres, chassis	3.1	Tyre type		PU
	Dimensions	4.4	Lift height	h <sub>3</sub> (mm/in)
4.15		Fork lowered	h <sub>1.3</sub> (mm/in)	85/3.3
4.19		Overall length	l <sub>1</sub> (mm/in)	1580/62.2
4.21		Overall width	b <sub>1</sub> /b <sub>2</sub> (mm/in)	560/22.0
4.22		Fork dimensions	s/e/l (mm/in)	50/150/1150 (2.0/5.9/45.3)
4.25		Outside fork width	b <sub>5</sub> mm/(in)	560/685 (22.0/27.0)
4.34.1		Aisle width,1000*1200 pallet crossways	A <sub>2t</sub> (mm/in)	1697/66.8
4.34.2	Aisle width,800*1200 pallet lengthways	A <sub>2t</sub> (mm/in)	1697/66.8	
4.35	Outer turning radius	W <sub>0</sub> (mm/in)	1380/54.3	
Performance data	5.1	Travel speed, laden/unladen	km/h	3.5/4 2.2/2.5
	5.8	Maximum gradeability, laden/ unladen	%	3/6
Electric engine	6.1	Drive motor rating S≥ 60 min	kW	0.65/0.87
	6.4	Battery voltage/rated capacity	V/Ah	24/24

### Application

/ Entry level semi electric pallet truck for your new choice, release the handling strength, reduce the handling cost, decrease manual work.

### Safety

/ Handy emergency disconnect button & durable driving unit ensure working safety.

### Easy Operating & Maintenance

/ 1.5t load capacity, the most compact design, electric driving and manual lifting with small turning radius to save the operating and working space. Ergonomic design switch box for accurate and easy operating. Built-in charger, maintenance free battery to reduce the maintenance cost. Assembly components are easy for diagnosis and replacing.

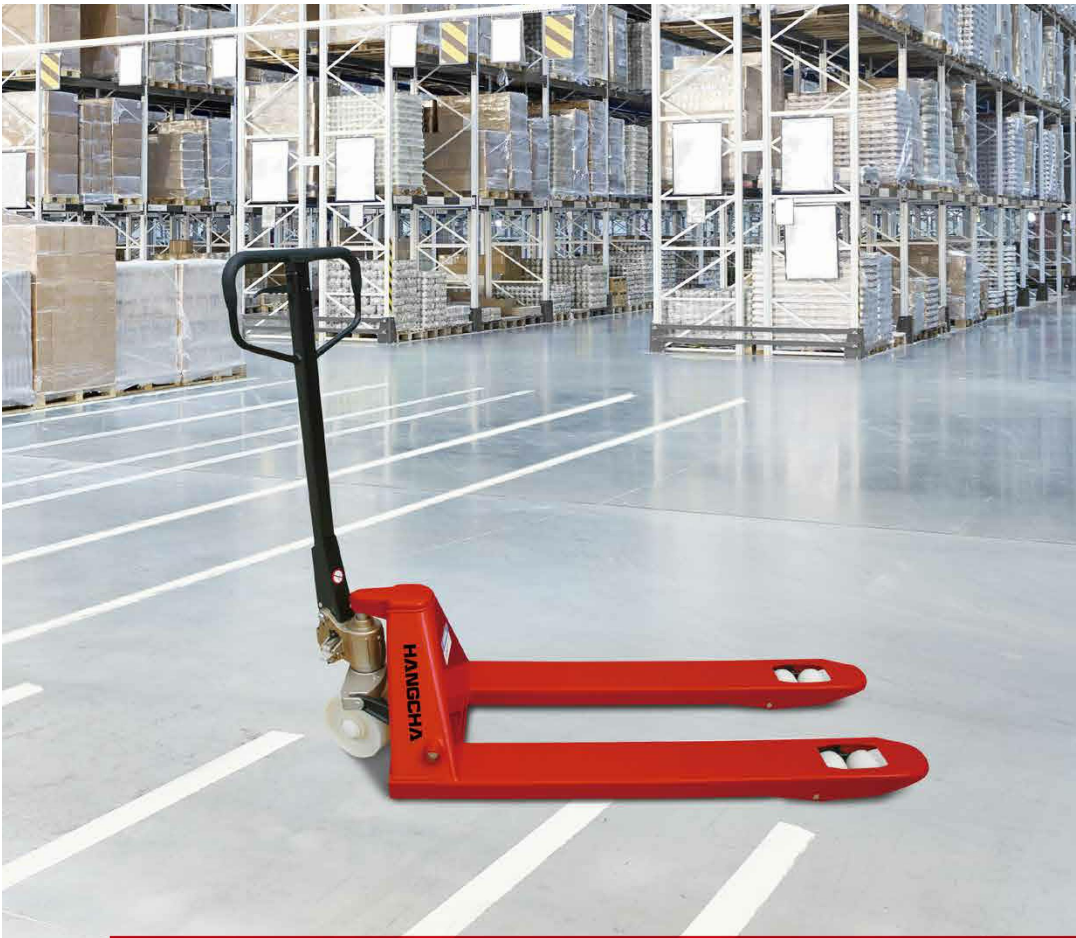
### Options

/ Fork length – 800/915/1000/1070/1100/1300/1400mm  
 / Fork width – 520/600mm  
 / Single load wheel  
 / Lowered fork height for light load – 75mm/40mm(<1000kg)

### High Stability

/ Leading designed handle switch and controller system, revolutionary to reduce the electronic parts defects rate. Unique drive system with high energy-efficiency to increase the reliability deeply. Fitted with hydraulic pump from HPT, reduce the hydraulic system defects rate. Reverse-back button, emergency stop button, slope antiskid resistance, drive wheel cover to increase the safety of the operator.





## Hand Pallet Truck SBA25

with capacities of 2,500 to 3,500kg

## Introduction

### Innovation Design

Reduce maintenance cost

Improve working efficiency

Increase truck service life

- / High reliability, suitable for a variety of environments. It can be used for 3~5 years under normal maintenance.
- / Casting pump, which prevents any loosening and leakage.
- / High-strength alloy steel fork frame.
- / Set the active safety valve to prevent overloading of operation.
- / 54mm fork thickness ensures high capacity.

- / Optimized round fork tips ensures easy operation;
- / 54mm fork thickness ensures high capacity;
- / Curve design on the fork tips help pallets entry in/out.

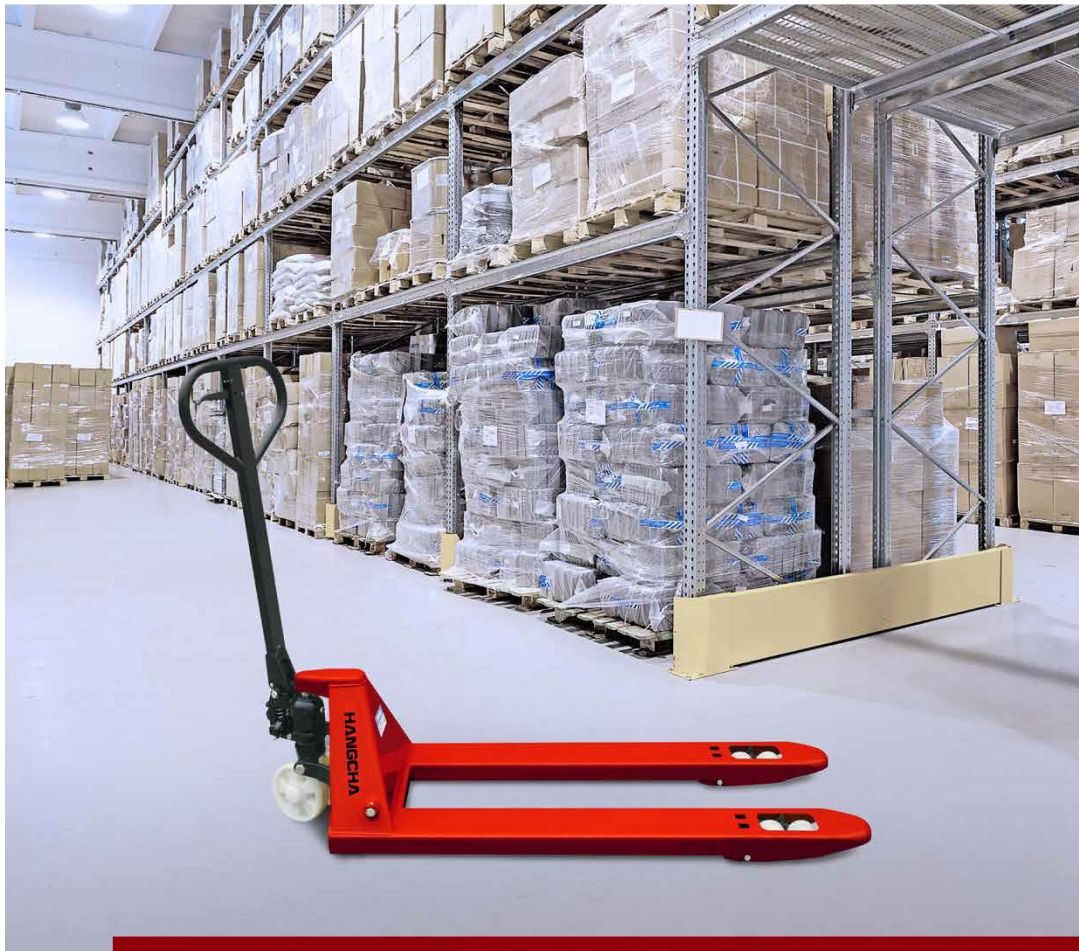


### Hand Pallet Truck SBA25

Model		SBA		
Load capacity/rated load	Q (kg/lb)	2500/5512	3000/6614	3500/7716
Load centre distance	C (mm/in)	500/20	500/20	500/20
Wheel size,front	mm/in	φ180×50 / φ7×2	φ180×50 / φ7×2	φ180×50 / φ7×2
Wheel size rear (single)	mm/ (in)	φ80×93/74×93 (φ3×3.7/2.9×3.7)	φ80×93/74×93 (φ3×3.7/2.9×3.7)	φ80×93/74×93 (φ3×3.7/2.9×3.7)
Wheel size rear (tandem)	mm/in	φ80×70/74×70 (φ3×2.8/2.9×2.8)	φ80×70/74×70 (φ3×2.8/2.9×2.8)	φ80×70/74×70 (φ3×2.8/2.9×2.8)
Lifting height	h <sub>3</sub> mm/(in)	200/190 (7.8/7.5)	200/190 (7.8/7.5)	200/190 (7.8/7.5)
Lowered height	h <sub>13</sub> mm/(in)	85/75 (3.4/3)	85/75 (3.4/3)	85/75 (3.4/3)
Overall length	l <sub>1</sub> mm/(in)	1534/1604 (60.4/63)	1534/1604 (60.4/63)	1534/1604 (60.4/63)
Fork length	s/e/l mm [(in)]	54/160/1150(1220) [2.1/6.3/45(48)]	54/160/1150(1220) [2.1/6.3/45(48)]	54/160/1150(1220) [2.1/6.3/45(48)]
Distance between fork-arms	b <sub>s</sub> mm/(in)	520/550/685 (20/22/27)	520/550/685 (20/22/27)	520/550/685 (20/22/27)
Turning radius	W <sub>a</sub> mm/(in)	1249/1319 (49/52)	1249/1319 (49/52)	1249/1319 (49/52)

\*: Option

forks length is available at:1600mm/63in, 1800mm/71in, 2000mm/79in, 2200mm/87in, 2500mm/98in



## Hand Pallet Truck SBA-D20

with capacities of 2,000kg

## Introduction

- / Optimized round fork tips ensure easy operation;
- / 54mm fork thickness ensures high capacity;
- / Curve design on the fork tips help pallets entry in/out.

- / Welding pump, with leaking proof design.
- / With overloading safety valve.
- / Chrome plate piston.
- / Different fork length are available.
- / Option: rubber wheel, nylon wheel, polyurethane wheel.



### Lowering position:

Pull up the finger tip control handle to lower the truck.

### Neutral position:

Stay the position during move.

### Lifting position:

Pull down the tip control, press the handle to raise the truck.



## Hand Pallet Truck SBA-D20

Model		SBA-D20
Load capacity/rated load	Q(kg/lb)	2000/4409
Load centre distance	c (mm/in)	500/20
Net weight	kg/lb	55-65 / 121-143
Wheel size,front	mm/in	Φ160×50 / Φ6×2
Wheel size rear	mm/in	Φ70×60 / Φ2.7×2.4
Lifting height	h <sub>3</sub> (mm/in)	190/7.5
Height of tiller in drive position min./max.	h <sub>14</sub> (mm/in)	1234/1224 (48.6/48)
Lowered height	h <sub>13</sub> (mm/in)	75/3
Fork dimensions	s/e/l (mm/in)	54/150/1150(1220) [2.1/6/45(48)]
Distance between fork-arms	b <sub>5</sub> (mm/in)	520/550/685 (20/22/27)
Aisle width for pallets 1000×1200 crossways	A <sub>5t</sub> (mm/in)	1730/1800 / (68/71)
Aisle width for pallets 800×1200 crossways	A <sub>5t</sub> (mm/in)	1780/1800 / (70/71)

\*: Option