

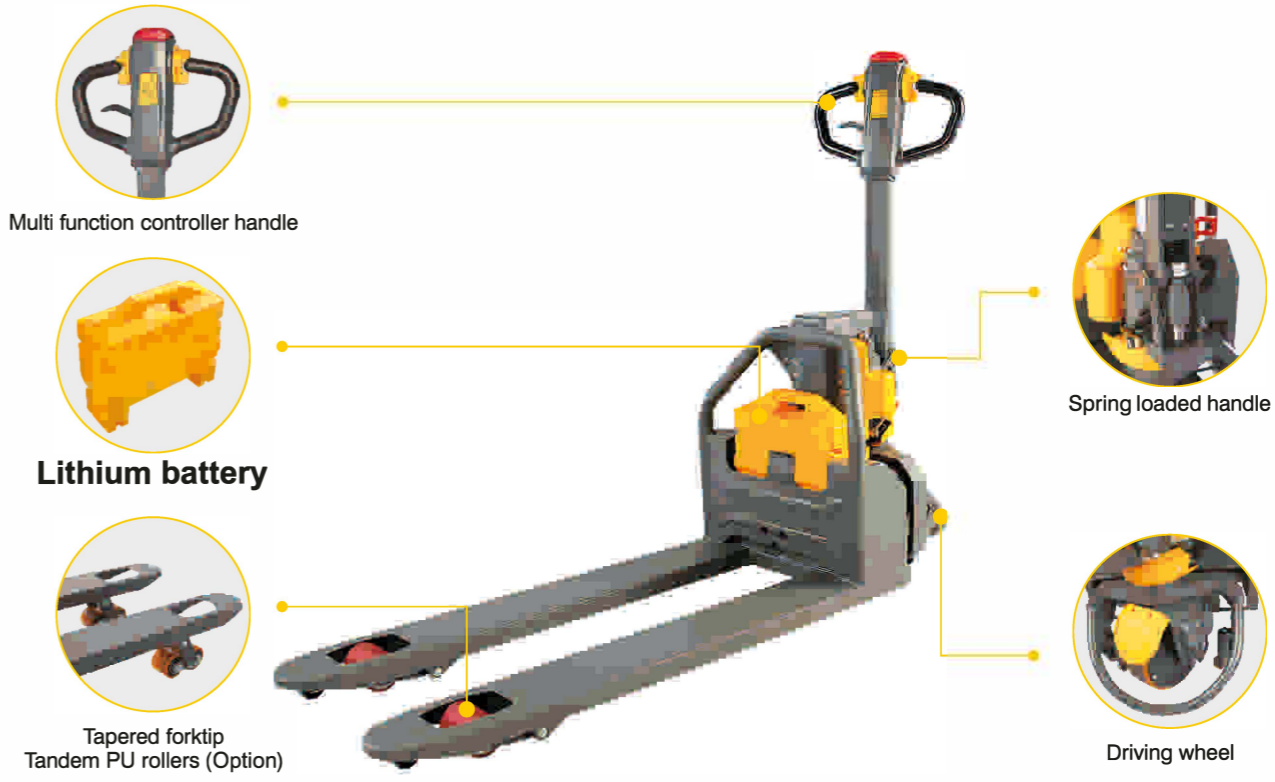
Model:  
**CBD12W-Li**


**Advantages:**

- 48V large capacity maintenance-free lithium battery, long working time around 6hours.
- The charging time only needs 3 hours.
- 10 seconds replacement of the battery(two groups exchanged battery can be used for 24 hours of continuous work).
- Brushless motor, maintenance-free, high efficiency.
- Stepless speed, smooth speed changing.
- Small and beautiful, flexible steering, which can successfully enter the narrow space, such as elevators, small super market.




**Hot Sale**






**Charging Time**  
**3HR**

Fast and short boost charge, only 3 hours charging is sufficient to achieve full charge.




**Working Time**  
**6HR**

Powerful and robust energy. 48V/20Ah battery voltage. A fully charged battery can work continuously for 6 hours.

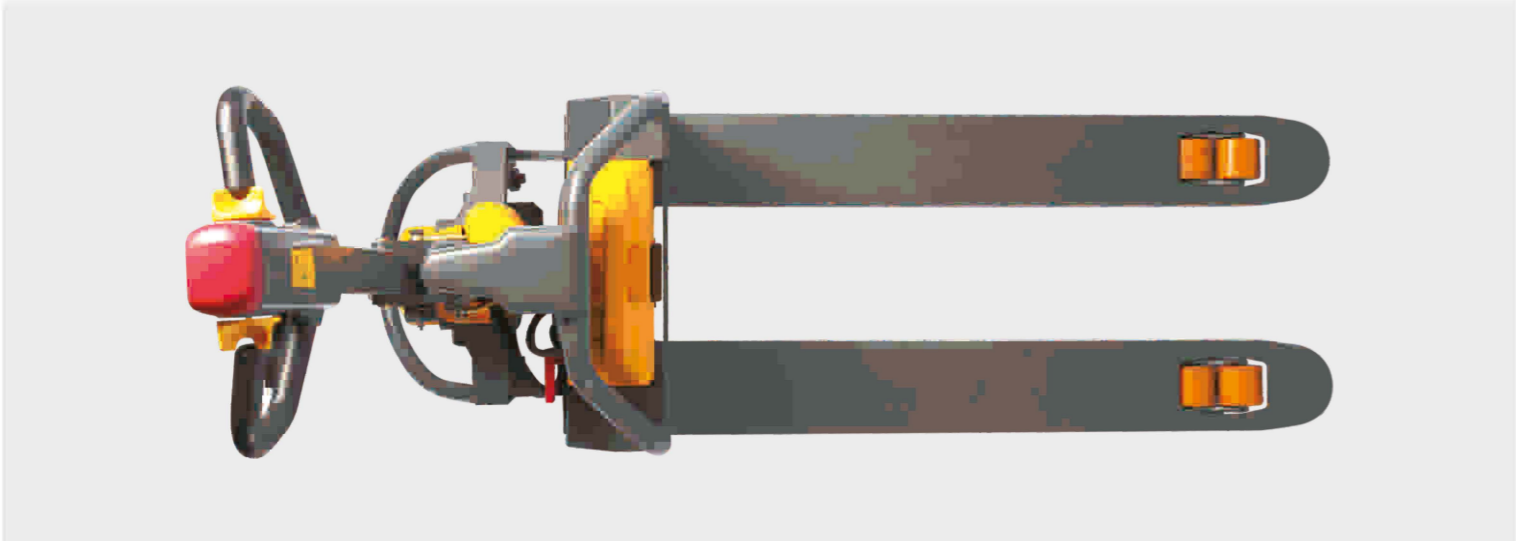


**Work Shift**  
**24HR**

Prepare just two pieces of lithium batteries. One charging, one working, 24 hours without break.



# Electric Pallet Truck with Lithium Battery



- **Multi-function Control Handle**  
incorporates butterfly-style thumb controls, emergency reverse button, horn button and key switch for ease of use.
- **Ergonomic Spring-loaded**  
steering handle with comfort grip for reduced operator fatigue.
- **Long Tiller with Large Hand Grip**  
for easy and comfortable hold, strain-free operation.
- **Plug-in Battery Design**  
makes it easier to remove and change, no need additional tools or devices.
- **Integrated Rocker Arm**  
The rocker arm is casted in single piece, intensifying the strength and structure.
- **Compact Vehicle Design**  
Rugged and high-performing yet light weight body provides exceptional maneuverability in tight areas.
- **Less Wiring, Easy Service**  
Mechanical and electronic components are easy to change and service.
- **Brushless Motor**  
Stepless speed control provides better and smoother speed changing. Brushless motor is easy for maintenance.

Model:  
**CBD15W-Li**

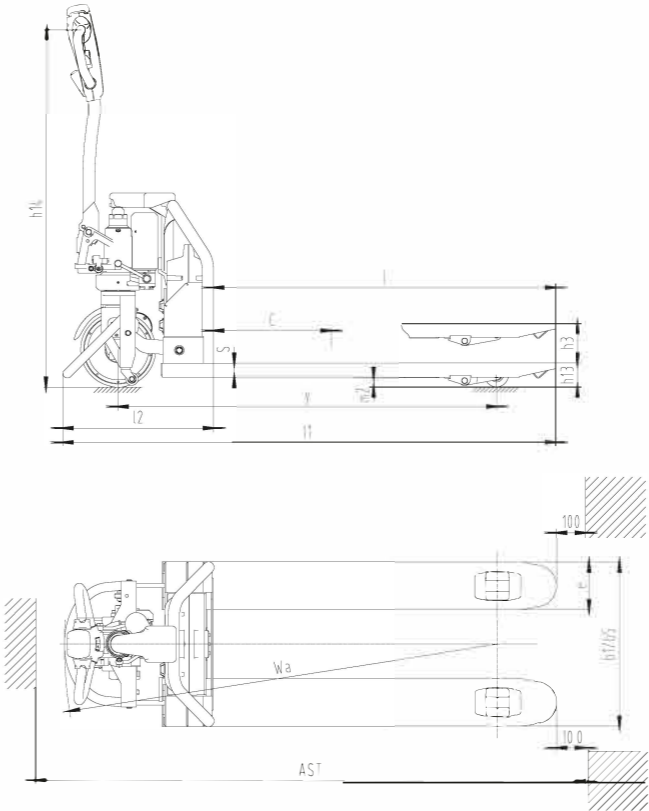


## Range of application

- Indoor use, light duty work
- Warehouses freight handling
- Retail outlets
- Beverage distribution
- Chemical handling and processing facilities

1KG=2.205LB    1INCH=25.40MM

Model		CBD12W-Li	CBD15W-Li
Load capacity	Q(kg)	1200	1500
Load centre distance	c(mm)	600	600
Fork height, lowered	h <sub>3</sub> (mm)	80	80
Tyre size, front	mm	Φ250	Φ250
Tyre size, rear	mm	Φ80	Φ80
Wheels, number front rear(x=driven wheels)		1X-2/4	1X-2/4
Max. lift height	h <sub>2</sub> (mm)	110	110
Height of tiller in drive position min./max.	h <sub>4</sub> (mm)	635/1200	635/1200
Overall length	l <sub>1</sub> (mm)	1651/1721	1651/1721
Length to face of forks	l <sub>2</sub> (mm)	501	501
Overall width	b <sub>1</sub> (mm)	550/680	550/685
Fork dimensions	s/e/l(mm)	45/160/1150(1220)	45/160/1150(1220)
Width overall forks	b <sub>2</sub> (mm)	550/680	550/685
Aisle width for pallets 1000x1200 crossways	A <sub>u</sub> (mm)	1850/1920	1850/1920
Aisle width for pallets 800x1200 lengthways	A <sub>u</sub> (mm)	1900/1920	1900/1920
Turning radius	W <sub>4</sub> (mm)	1452/1522	1452/1522
Travel speed, laden/unladen	Km/h	4/4.5	4/4.5
Max. gradeability, laden/unladen	%	5/20	4/20
Battery voltage, nominal capacity K <sub>2</sub>	V/Ah	48/20	48/20
Battery weight	Kg	10	10
Battery dimensions l/w/h	mm	340x130x307	340x130x307
Service weight (with battery)	Kg	140	145



Conforms to EN ISO 3691-1  
EN1175-1  
EN16307-1  
Based on Directive 2006/42/EC  
Conform to EN Standard 12895  
Based on directive: 2014/30/EU (EMC)



Semi-electric Pallet Truck



Conforms to EN ISO3691-1  
EN1175-1  
EN16307-1  
Based on Directive 2006/42/EC

Model:  
CBD15A  
CBD20A

AC Function

Advantages:

- Permanent magnet brushless motor with high electric efficiency, maintenance free.
- Good gradient performance.
- With smallest turning radius.
- Full sealed GEL battery free to maintain , with different capacity for different option purpose.
- Constant traction speed for laden or unladen, improves productive efficiency.
- Horizontal drive wheel provides convenient replacement.
- Stepless speed control.
- Floating balance wheel supports automatic height-adjusting.
- Built-in charger.

Patent product



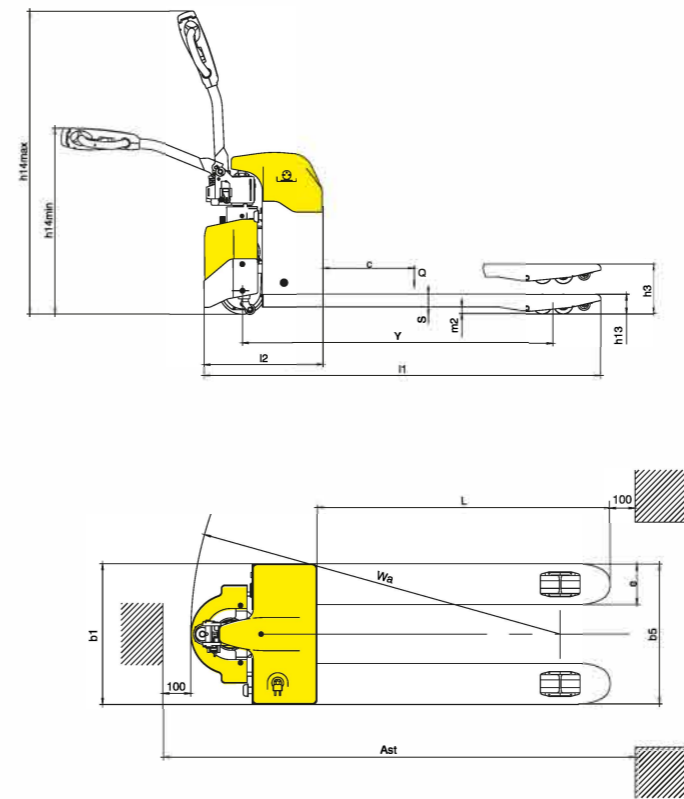
Model:  
CBD10A-II

Advantages:

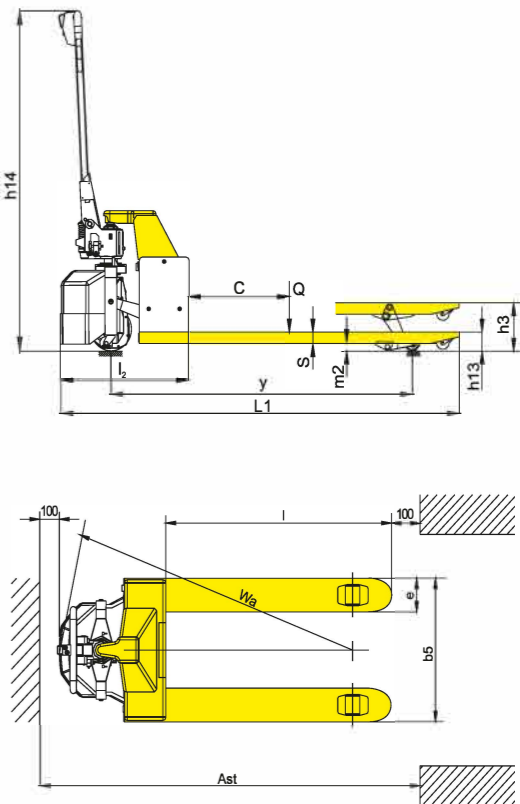
- Two-speed driving system.
- Emergency brake switch.
- Manual lifting and motor driving.
- Brushless DC motor, with maintenance free, low noise.
- Sealed batteries free of maintenance, safe operation and enviromental.
- Built-in charger.

1KG=2.205LB 1INCH=25.40MM

Model		CBD10A- II	CBD15A	CBD15A-E	CBD20A
Load capacity	Q(kg)	1000	1500	1500	2000
Load centre distance	c(mm)	500	600	600	600
Fork height, lowered	h <sub>13</sub> (mm)	85/75	85/75	85/75	87/77
Tyre size, front	mm	Φ185	Φ195	Φ195	Φ195
Tyre size, rear	mm	Φ80/Φ74	Φ80/Φ74	Φ80/Φ74	Φ85/Φ75
Max. lift height	h <sub>3</sub> (mm)	200/190	190/180	190/180	190/180
Height of tiller in drive position min./max.	h <sub>14</sub> (mm)	670/1244	770/1254	770/1254	770/1254
Overall length	l <sub>1</sub> (mm)	1685/1755	1644/1714	1644/1714	1644/1714
Length to face of forks	l <sub>2</sub> (mm)	535	490	490	490
Fork dimensions	s/e/l(mm)	45/160/1150(1220)	53/160/1150(1220)	53/160/1150(1220)	60/160/1150(1220)
Width overall forks	b <sub>3</sub> (mm)	520/550/680	520/550/680	520/550/680	520/550/680
Aisle width for pallets 1000x1200 crossways	A <sub>3</sub> (mm)	1885/1955	1844/1914	1844/1914	1844/1914
Aisle width for pallets 800x1200 lengthways	A <sub>4</sub> (mm)	1935/1955	1894/1914	1894/1914	1894/1914
Turning radius	W <sub>3</sub> (mm)	1490/1560	1445/1515	1445/1515	1445/1515
Travel speed, laden/unladen	Km/h	2.6/3.8	5.3/5.8	5.3/5.8	5/5.5
Battery voltage, nominal capacity K20	V/Ah	24/50	24/85	24/65	24/105
Battery weight	Kg	28.5	46	29.4	49
Service weight(with battery)	Kg	150	200	180/185	220



CBD15A-E/CBD15A/CBD20A



CBD10A-II





- Super Light
- Max. Compact
- Great Powerful



product  
design  
award




red dot  
design award

## MINI SERIES ELECTRIC PALLET TRUCK

Model: **CBD15W**  
**CBD18W**

The Mini type full electric pallet truck is with compact design and powerfull motor, with small turning radius offers same outsize as Manual pallet truck, widely used in narrow aisle workshop, super market and cargo containers.



  
Conforms to EN ISO3691-1  
EN1175-1  
EN16307-1  
Based on Directive 2006/42/EC



# Electric Walkie Pallet Truck



Model:  
**CBD20W**

**AC** Function



Multi-function display



CURTIS Handle



Frei tiller head (option)

## Advantages: (CBD15W/CBD18W/CBD20W)

- With smallest turning radius 1320mm-1389mm ( width 520/550/685mm)
- DC Brushless motor with high electric efficiency , maintenance free.
- Full sealed battery free to maintain, big capacity 80AH fit for high-intensive use.
- Max speed limit button can release brake when handle upright, reduce turning space greatly. (option for Germany Frei handle)
- High travel speed is up to 5.3-5.8km/h, improve productive efficiency.
- Floating balance wheel supports automatic height-adjusting.
- Horizontal drive wheel provides convenient replacement.

## Standard Features

- RUYI new type Tiller Head with Max speed limit button.
- Emergency stop & belly button.
- BDI and hour meter.
- Casters to balance stability.
- Sealed battery.
- Brushless Horizontal motor.
- Built-in Charger.
- Exist roller.

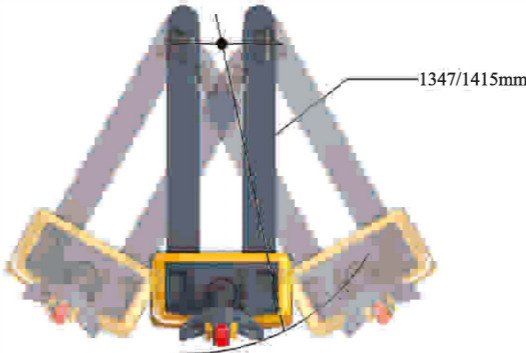


## Option

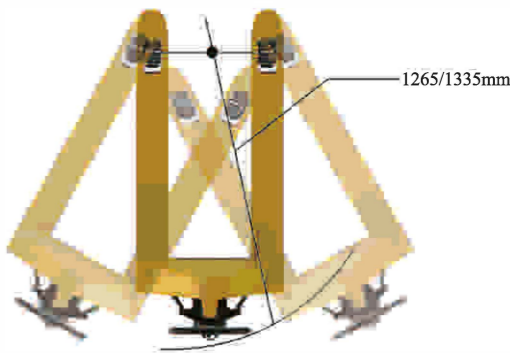
- Germany FREI Tiller Head.
- Built-out charger.
- Fork width and length (size).
- Load backrest.

## Turning Radius

Smallest turning radius in MINI type electric pallet truck, it processes the smallest turning radius when switch to low speed. It adapts to use in narrow space, e.g. in the container.

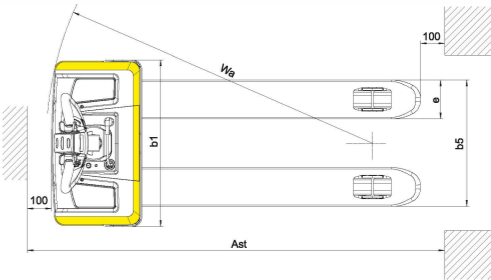
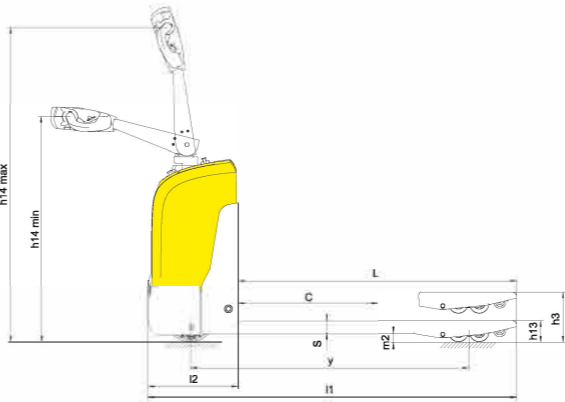


MINI type Electric Pallet Truck  
turning radius



Hand Pallet Truck  
turning radius

		1KG=2.205LB 1INCH=25.40MM		
Model		CBD15W	CBD18W	CBD20W
Load capacity	Q(kg)	1500	1800	2000
Load centre distance	c(mm)	600	600	600
Fork height,lowered	h <sub>3</sub> (mm)	85 / 75	85 / 75	85 / 75
Tyre size,front	mm	Φ195x70	Φ195x70	Φ195x70
Tyre size,rear (single)	mm	Φ80x93 / Φ74x93	Φ80x93 / Φ74x93	Φ80x93 / Φ74x93
Tyre size,rear (double)	mm	Φ80x70 / Φ74x70	Φ80x70 / Φ74x70	Φ80x70 / Φ74x70
Wheels, number front rear (x = driven wheels)		1X-2/4	1X-2/4	1X-2/4
Max. lift height	h <sub>2</sub> (mm)	190/180	190/180	190/180
Height of tiller in drive position min./max	h <sub>4</sub> (mm)	950/1310	950/1310	950/1310
Overall length	l <sub>1</sub> (mm)	1525/1595	1525/1595	1525/1595
Length to face of forks	l <sub>2</sub> (mm)	375	375	375
Overall width	b <sub>1</sub> (mm)	685	685	685
Fork dimensions	s/e/l(mm)	53/160/1150(1220)	53/160/1150(1220)	53/160/1150(1220)
Width overall forks	b <sub>2</sub> (mm)	520/550/685	520/550/685	520/550/685
Aisle width for pallets 1000x1200(1200crossways)	A <sub>1</sub> (mm)	1725/1795	1725/1795	1725/1795
Aisle width for pallets 800x1200(1200lengthways)	A <sub>2</sub> (mm)	1775/1795	1775/1795	1775/1795
Turning radius	Wa(mm)	1347/1415	1347/1415	1335/1405
Travel speed,laden/unladen	Km/h	5.3/5.8	4.5/5	4/4.5
Battery voltage/nominal capacity K20	V/Ah	24/105	24/105	24/105
Battery dimensions l/w/h	mm	260/169/215	260/169/215	260/169/215
Battery weight	Kg	49	49	49
Service weight(with battery)	Kg	240	250	250





Model:  
**CBD15W-E**

The Mini type with same size  
as hand pallet truck widely  
used in narrow aisle workshop,  
supermarket & cargo containers.

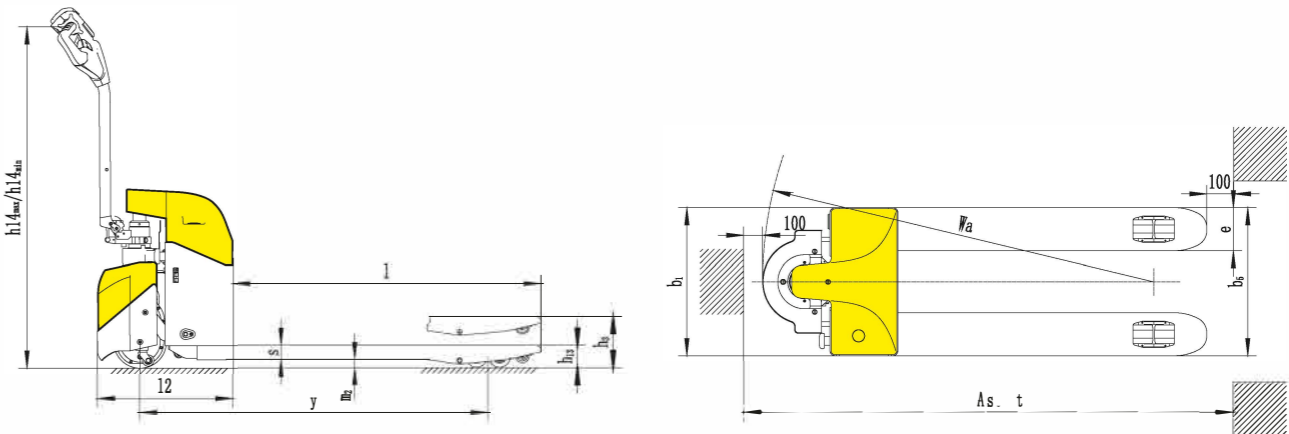
Advantages:

- Adopting floating balance wheel can prevent the side swing of the truck when travelling. Travel smoothly and no swing; great anti-vibration.
- The whole balance wheel can be removed, easy to maintain.
- The rock arm mechanism integral structure which improves the structure strength effectively, meanwhile, share and adjust the even force from the fork. Reduce the obvious deflection in fork height after a long use and when loading.
- The drive wheel adopts horizontal type structure which makes the layout position of the motor higher off the ground to prevent the water, dust and greasy dirt gluing on the motor effectively and improve working condition of the motor.
- The truck is equipped with a height limit switch. Cut off the lifting circuit when lifting height approaches the highest point to disconnect the power of the hydraulic power unit to prevent the noise from the spillover of the hydraulic station and save the energy caused by spillover.

 **Conforms to**  
**EN ISO3691-1**  
**EN16307-1**  
**EN1175-1**

1KG=2.205LB    1INCH=25.40MM

Model		CBD15W-E
Load capacity	Q(kg)	1500
Load centre distance	c(mm)	600
Fork height,lowered	h <sub>3</sub> (mm)	85 / 75
Tyre size,front	mm	Φ195x70
Tyre size,rear (single)	mm	Φ80x93 / Φ74x93
Tyre size,rear (double)	mm	Φ80x70 / Φ74x70
Wheels, number front rear (x = driven wheels)		1x-2/4
Max. lift height	h <sub>5</sub> (mm)	200/190
Height of tiller in drive position min./max	h <sub>4</sub> (mm)	700/1250
Overall length	l <sub>1</sub> (mm)	1654/1724
Length to face of forks	l <sub>2</sub> (mm)	504
Overall width	b <sub>1</sub> (mm)	685/562
Fork dimensions	s/e/l(mm)	53/160/1150(1220)
Width overall forks	b <sub>2</sub> (mm)	520/550/685
Aisle width for pallets 1000x1200(1200crossways)	A <sub>1</sub> (mm)	1854/1924
Aisle width for pallets 800x1200(1200lengthways)	A <sub>2</sub> (mm)	1904/1924
Turning radius	Wa(mm)	1454/1424
Travel speed, laden/unladen	Km/h	4.3/4.8
Battery voltage/nominal capacity K20	V/Ah	24/65
Battery dimensions l/w/h	mm	228/138/214
Battery weight	Kg	36
Service weight(with battery)	Kg	205



# Electric Walkie Pallet Truck



The super light Walkie type with small turning radius and low profile chassis, widely used in narrow space like supermarket and workshop for short and middle distance transport.



Model:  
**CBD18KD**

**AC**



Conforms to EN ISO3691-1  
EN1175-1  
EN16307-1  
Based on Directive 2006/42/EC  
Conform to EN Standard 12895  
Based on directive: 2014/30/EU (EMC)



Drive System



CURTIS Handle (standard)



Frei tiller head (option)



Frei tiller head (option)



Model:  
**CBD20KD-I**

One set side way battery

**AC**



Conforms to EN ISO3691-1  
EN1175-1  
EN16307-1  
Based on Directive 2006/42/EC  
Conform to EN Standard 12895  
Based on directive: 2014/30/EU (EMC)



Model:  
**CBD20KD-II**

Swing-out battery

AC



Swing-out battery tray  
(CBD20KD-II)

Advantages:

SAFETY AND PRODUCTIVITY:

- Advanced AC control system eliminates the motor brushes and directional contactors, which makes the minimal maintenance requirements. Intelligentized regenerative brake system: increase overall truck performance by decreasing battery charge intervals.
- Side-way battery with roll-out system is very convenient to replace batteries. (CBD20KD-I)
- Emergency reversing device.
- Built-in pressure relief valve protects the trucks from overloading.
- Long handle tube supports flexible and laborsaving operation.
- Emergency power disconnect.
- Low speed switch in the handle.
- Stepless speed control.

STRUCTURAL:

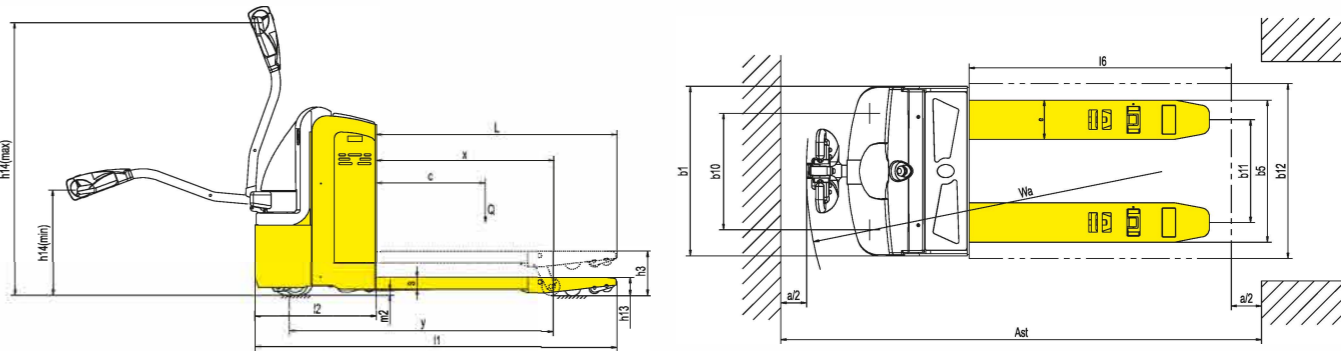
- Water-proof and dust proof vertical driving wheel offers small turning radius.
- The riser axle located at the highest point of forks, protects riser axles from constant contact by uneven floors. Pull rod design against bending .
- Spring-loaded castors improve lateral stability on uneven floors and enhance truck performance and service life.
- Formed heavy gauge steel for maximum strength forks.

SERVICEABILITY:

- Low battery protection setting prolongs the battery life.
- CANbus technology reduces wiring complexity.
- All pivot points have grease fitting and serviceable bushing, reducing component-wearing.

1KG=2.205LB    1INCH=25.40MM

Model		CBD18KD	CBD20KD-I	CBD20KD-II
battery type		1 set side way battery	1 set side way battery	swing-out battery
Load capacity/rated load	Q(kg/lbs)	1800/4000	2000/4400	2000/4400
Load centre distance	c(mm/inch)	600/23.6	600/23.6	600/23.6
Load distance,centre of drive axle to fork	x(mm/inch)	856/33.7	815/865/935(32/34/36.8)	935/36.8
Fork height, lowered	h <sub>2</sub> (mm/inch)	84/3.3	82/3.2	82/3.2
Tyre size,front	mm/inch	φ 250x70/ φ 10x2.8	φ 250x70/ φ 10x2.8	φ 250x70/ φ 10x2.8
Tyre size rear	mm/inch	φ 80x70/ φ 3.2x2.8	φ 82x126(98)/ φ 3.2x5(3.85)	φ 82x126(98)/ φ 3.2x5(3.85)
Additional wheels(dimensions)	mm/inch	φ 114x60/ φ 5x2.2	φ 127x57/ φ 5x2.2	φ 127x57/ φ 5x2.2
Wheels,number front rear(x=driven wheels)		1X+2/4	1X+2/2(4)	1X+2/2(4)
Max. Lift height	h <sub>3</sub> (mm/inch)	204/8.03	202/8	202/8
Height of tiller in drive position min./max.	h <sub>4</sub> (mm/inch)	780/1230 (30.7/48.4)	780/1230(30.7/48.4)	780/1230(30.7/48.4)
Overall length	l <sub>1</sub> (mm/inch)	1651/65	1655/1705/1775(65.2/67.1/69.1)	1805/71
Length to face of forks	l <sub>2</sub> (mm/inch)	500/19.7	555/21.9	585/23
Overall width	b <sub>1</sub> (mm/inch)	550/685 (22/27)	775/30.5	775/30.5
Fork dimensions	s/e/l (mm/inch)	54x150x1150 (2.1x5.9x45)	54x180x1100/1150/1220(2.1x7x43/45/48)	54×180×1220(2.1x7x48)
Width overall forks	b <sub>2</sub> (mm/inch)	550/685 (22/27)	520/550/650/685(20.5/22/26/27)	550/685(22/27)
Aisle width for pallets 1000x1200 crossways	A <sub>1</sub> (mm/inch)	1863/73.3	2015/2065/2135(79/81/84)	2165/85
Aisle width for pallets 800x1200 lengthways	A <sub>2</sub> (mm/inch)	1913/75.3	2115/2115/2135(83/83/84)	2165/85
Turning radius	W <sub>1</sub> (mm/inch)	1367/53.8	1400/1450/1520(55/57/60)	1550/61
Travel speed,laden/unladen	Km/h	5.5/5.6	5.5/5.6	5.5/5.6
Battery voltage,nominal capacity K5	V/Ah	24/160	24/210	24/200
Battery weight	Kg/lbs	160/353	196/431	128/281
Battery box dimensions	mm	645x148x560	750x170x534	(245x190x252)x4
Service weight(with battery)	Kg/lbs	535/1179	640-645/1418-1429	580-585/1285-1240



Model:  
CBD20L

CBD20L Electric Pallet Trucks are equipped with fixed platform and closed protection arm, with heavy duty design for the space constraints, with middle or high driving speed for long distance transportation.

AC EPS



Advantages:

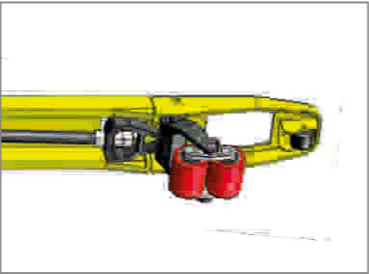
- With Ergonomic designed backrest and handrail. The symmetry backrest is suitable for different operator's habit choice. The truck could be alternate operation by both hands which decrease fatigue.
- Side stand operation with comfortable backrest, with capacious operation compartment, comfortable and safety for operation.
- The platform is with good anti-vibration function which is comfortable for the operators.
- Equipped with safety power switch at platform, the truck will be locked when there is no operator. It improves the safety for the truck.
- With strong power system, the max. gradeability can achieve 8% with laden and 17% with unladen.



1KG=2.205LB 1INCH=25.40MM

Model		CBD20L
Load capacity	Q(kg)	2000
Load center	c(mm)	600
Load distance, centre of drive axle to fork	x(mm)	815/865/935
Fork height, lowered	h13(mm)	82
Tyre size, front	mm	φ 250x80
Tyre size, rear	mm	φ 82x126(98)
Additional wheels (dimensions)	mm	φ 127x57
Wheels, number front rear(x=driven wheels)		1X+ 2/2(4)
Max. Lift height	h3(mm)	202
Overall length	l1(mm)	2220/2270/2340
Length to face of forks	l2(mm)	1120
Overall width	b1(mm)	773
Fork dimensions	S/e/l(mm)	54×180×1100/1150/1220
Width overall forks	b5(mm)	520/550/650/685
Aisle width for pallets 1000x1200 crossways	Ast(mm)	2420/2470/2540
Aisle width for pallets 800x1200 lengthways	Ast(mm)	2520/2520/2540
Turning radius	Wa(mm)	1970/2020/2090
Travel speed, laden/unladen	Km/h	7/7.1(8.5/9)
Battery voltage, nominal capacity K5	V/Ah	24/240(280)
Battery weight	Kg	225(250)
Battery dimensions l/w/h	mm	650×249×504(535)
Service weight(with battery)	Kg	820

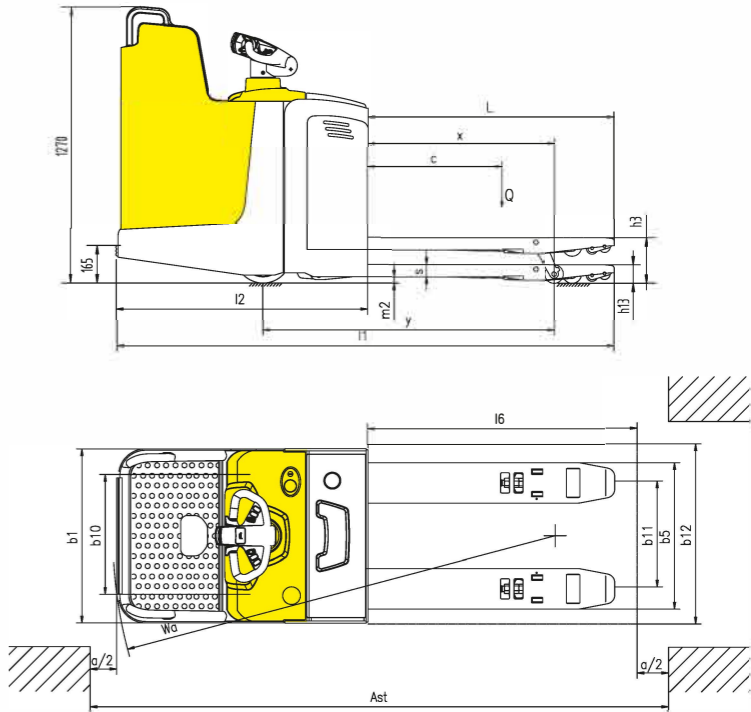
Option: Battery 320Ah



1. The straight tappet length can be precise adjustment.
2. Fork head fitted with double steel entry rollers, for Smoothly enter pallets.



German Frei handle with both side button located in the front of driver for comfortable operation.



Hot Sale

Model:  
**CBD20R-II**  
**CBD25R-II**

CBD20R/25R is the stand-on type platform Pallet Truck, with small turning radius and super light steering system. widely used in large warehouse and big supermarket for medium distance transport.



AC

EPS  
(Option)



Conforms to EN ISO3691-1  
EN1175-1  
EN16307-1  
Based on Directive 2006/42/EC  
Conform to EN Standard 12895  
Based on directive: 2014/30/EU (EMC)

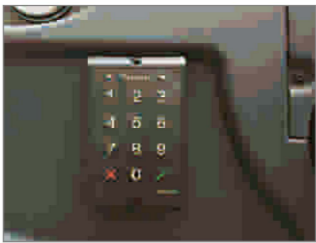


### Standard features

- Germany FREI Tiller Head
- Emergency stop & belly button
- BDI and hour meter
- Casters to balance stability
- Industrial battery
- Brushless AC motor
- Vertical driving motor
- Sideway battery change
- Built-out charger
- Platform with speed sensor

### Option

- Fork width and length ( size )
- Load backrest
- Built-in Charger
- Customized battery compartment
- Entry & exist roller for empty pallets
- EPS
- large compartment with battery capacity 400Ah, drive speed 10KM/H



Keypad Ignition switch (option)



CURTIS Handle (standard)



Frei tiller head with one side lifting button (option)



Entry roller for easy operation



Frei tiller head with two lifting button (option)

Model:  
CBD30R-II

CBD30R-II is the innovation type rider pallet truck for heavy duty work of pallet moving , high-speed load transport and loading dock work.

AC

EPS  
(Option)



Hot Sale

SAFETY AND PRODUCTIVITY:

- AC control system eliminating motor brushes and directional contactors, which minimizes maintenance requirements.
- Multi-function display: battery status, hour meter, fault code, etc.
- Side-way battery with roll-out system is very convenient to replace batteries.
- Emergency reversing device.
- The platform with speed sensor under platform, ensure safety driving .
- Built-in pressure relief valve protects the truck from overloads.
- Braking applied with handle upright and horizontal position.
- Emergency power disconnect switch.
- Low speed switch in the handle( option with bypass function )
- Stepless speed control.

STRUCTURAL:

- Parallel motor mounting on vertical drive wheel ensures convenience for inspection and maintenance while also ensuring a small turning radius.
- The structure of motor is water-proof and dust-proof, which makes the brake and motor more durable and reliable.
- Combined balance wheels and driving system increase steadiness, preventing the truck from being rocked from side to side.
- The balance wheels loading capacity can be adjusted according to different situations.
- One-piece heavy gauge steel is formed for maximum strength forks.

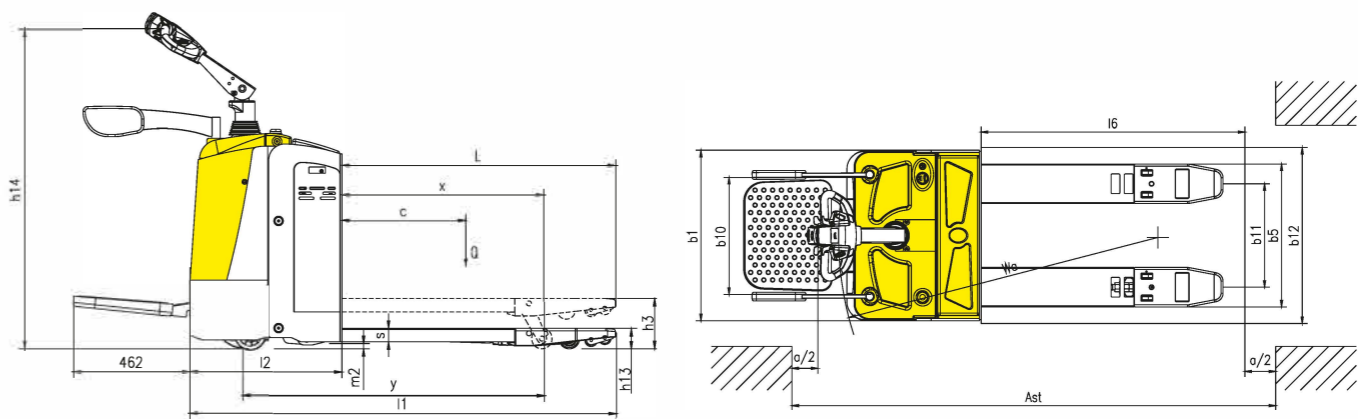
SERVICEABILITY:

- Adjustable integrated balance wheel can be disassembled from truck separately, easy to maintain.
- The platform can be removed from the truck easily for replacement or repair.
- Low battery voltage cut off protection.

1KG=2.205LB 1INCH=25.40MM

Model		CBD20R-II	CBD25R-II	CBD30R-II
Load capacity	Q(kg)	2000	2500	3000
Load centre distance	c(mm)	600	600	600
Load distance, centre of drive axle to fork	x(mm)	815/865/935	815/865/935	815/865/935
Fork height, lowered	h <sub>13</sub> (mm)	82	82	82
Tyre size, front	mm	φ 250x70	φ 250x70	φ 250×70
Tyre size, rear	mm	φ 82x126(98)	φ 82x126(98)	φ 82×126 (98)
Additional wheels(dimensions)	mm	φ 127x57	φ 127x57	φ 127×57
Wheels, number front rear(x=driven wheels)		1X+2/2(4)	1X+2(4)	1X+2/2 (4)
Max. lift height	h <sub>2</sub> (mm)	202	202	202
Height of tiller in drive position min./max.	h <sub>14</sub> (mm)	1150/1430	1150/1430	1150/1430
Overall length	L <sub>1</sub> (mm)	1710/1760/1830	1710/1760/1830	1710/1760/1830
Length to face of forks	L <sub>2</sub> (mm)	610	610	685
Overall width	b <sub>1</sub> (mm)	775	775	775
Fork dimensions	s/b/l(mm)	53×180×1100 (1150/1220)	53×180×1100 (1150/1220)	54×180×1100(1150/1220)
Width overall forks	b <sub>2</sub> (mm)	520/550/650/685	520/550/650/685	520/550/650/685
Aisle width for pallets 1000x1200 crossways	A <sub>1</sub> (mm)	1910/1960/2030	1910/1960/2030	1985/2035/2105
Aisle width for pallets 800x1200 lengthways	A <sub>2</sub> (mm)	2010/2010/2030	2010/2010/2030	2085/2085/2105
Turning radius	W <sub>1</sub> (mm)	1550/1600/1670	1550/1600/1670	1550/1600/1670
Travel speed, laden/unladen	Km/h	7/7.1	7/7.1	9/9.2
Battery voltage, nominal capacity K <sub>1</sub>	V/Ah	24/210	24/240	24/240(280)
Battery weight	Kg	196	240	240(280)
Battery dimensions l/w/h	mm	750×170×534	750×170×570	650×247×505(535)
Service weight (with battery)	Kg	720	750	780

Option: Battery 240Ah / 400Ah; Drive speed 9.5-10km/h  
Option with EPS drive wheel size is 250x80mm



## Model: CBD20S

The CBD20S, with small turning radius and lowest height (1.08~1.38m), offers Double pallet Initial lifting, with Initial lift have 120mm lift to easily negotiate over ramps and bridging plates as well as the ability to transport a 2000kg load, widely used in low shelves warehouse and small supermarket etc.

AC



Electric Pallet Truck

Electric Stackler

Order Picker

Narrow Aisle Truck

Electric Tow Tractor

Hand Pallet Truck

Manual Stackler

Lift Table

# Double Decker Pallet Truck



Model:  
**CBD20S**

**AC**



Conforms to EN ISO3691-1  
EN1175-1  
EN16307-1  
Based on Directive 2006/42/EC



Side-way Battery



Vertical System

## Advantages:

### SAFETY AND EFFICIENCY

- Carry two pallets at one single time.
- The tiller head is equipped with an emergency reverse direction switch, which provides safer operation.
- Built-in pressure relief valve protects the truck from overload, and increases the truck's safety.
- Stepless speed control and turtle speed switch.

### STRUCTURAL

- Vertical driving wheel offers small turning radius.
- Dividable and exchangeable mast.
- Adjustable floating balance wheel is resistant to wear and stable.
- Sliding rail connects the moving part of the front and rear, makes lifting and lowering stable.

### EASY MAINTENANCE

- CANbus technology reduces wiring complexity.
- Hall-effect throttle control eliminates wear components and prolongs its use time.
- The balance wheel is detachable, convenient to maintain.
- Integral and modularized electrical system makes the maintenance of the electrical parts convenient.

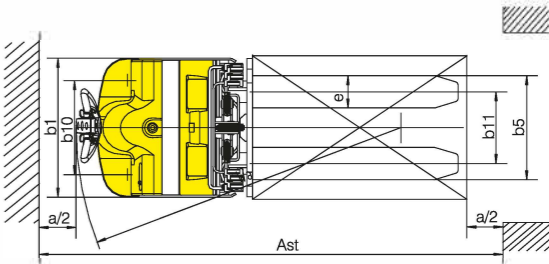
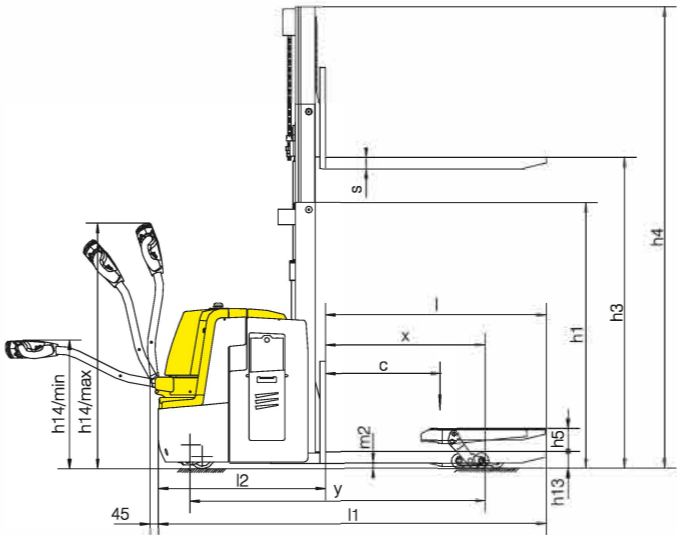


Model:  
**CBD20S-III**

		1KG=2.205LB 1INCH=25.40MM	
Model		CBD20S	CBD20S-III
Load capacity/rated load	Q(kg)	2000	2000
Load capacity/rated load with mast lift	Q(kg)	1000	1000
Load capacity/rated load with wheel arm lift	Q(kg)	2000	2000
Load center distance	c(mm)	600	600
Load distance, center of drive axle to fork	x(mm)	831	802
Fork height, lowered	h <sub>1</sub> (mm)	90	90
Tyre size, front	mm	φ 250x70	φ 250x70
Tyre size, rear	mm	φ 80x70	φ 80x70
Additional wheels(dimensions)	mm	φ 127x57	φ 114x60
Wheels, number front rear(x=driven wheels)		1X+2/4	1X+2/4
Height, mast lowered	h <sub>2</sub> (mm)	1082/1212/1382	-
Max. lift height	h <sub>3</sub> (mm)	1600/2000/2500	800
Initial lift	h <sub>4</sub> (mm)	120	120
Height of tiller in drive position min./max.	h <sub>5</sub> (mm)	780/1230	780/1230
Overall length	l <sub>1</sub> (mm)	1962	1760
Length to face of forks	l <sub>2</sub> (mm)	862	608
Overall width	b <sub>1</sub> (mm)	775	682
Fork dimensions	s/e/l(mm)	60/180/1100	60/180/1150
Width overall forks	b <sub>2</sub> (mm)	570/650	550
Aisle width for pallets 1000x1200 crossways	A <sub>1</sub> (mm)	2238	1972
Aisle width for pallets 800x1200 lengthways	A <sub>2</sub> (mm)	2288	2022
Turning radius	W <sub>1</sub> (mm)	1705	1422
Travel speed,laden/unladen	Km/h	4.5/5.2	6/6
Lift speed,laden/unladen	m/s	0.03/0.04	0.06/0.11
Lowering speed,laden/unladen	m/s	0.05/0.045	0.12/0.13
Battery voltage,nominal capacity K <sub>2</sub>	V/Ah	24/210	24/160
Battery weight	Kg	196	160
Battery dimensions l/w/h	mm	750x170x580	645x148x560
Service weight(with battery)	Kg	950	600

### Standard mast types

Three-stage mast			
h1	h2	h3	h4
1082	~	1600	2118
1212	~	2000	2508
1382	~	2500	3018



# Double Decker Pallet Truck



AC

EPS  
(Option)



## Model: CBD20SR

The CBD20SR type Electric pallet Stacker with initial lifting, the leg can lift up to 120mm to easily negotiate over ramps and bridging plates, with small turning radius and lowest height (1.08-1.38m), can carry two pallets at same time, widely used in low shelves warehouse and small supermarket .



Conforms to EN ISO3691-1  
EN1175-1  
EN16307-1  
Based on Directive 2006/42/EC  
Conform to EN Standard 12895  
Based on directive: 2014/30/EU (EMC)

### Advantages:

#### SAFETY AND PRODUCTIVITY:

- Advanced AC control system eliminates the motor brushes and directional contactors, which makes the minimal maintenance requirements. Intelligentized regenerative brake system.
- Platform with speed sensor and have good suspension system .
- With platform is with speed sensor and have good suspension system.
- With guard on both sides, protect operator when drive at high speed of the trucks.
- Emergency reversing device.
- Built-in pressure relief valve protects the trucks from overloads.
- Emergency power disconnect.
- With Speed sensor under platform can switch drive speed to Low/high speed when platform is closed/opened.
- Multi function display with BDI( battery discharge indicator ) and working hours.
- Multi function display, includes battery status, working hours.
- The bevel design of the bottom provides good traffic ability characteristic. The truck could pass max. 22% slope without laden. And the max gradeability can achieve 8% when laden.
- With option of Electric Power Steering system (EPS) , makes truck steering very smoothly and light.

#### STRUCTURAL:

- Hard steel rear cover, anti-collision, easy disassembly, provides the maintenance for the electrical system very convenient.
- Only 90mm lowered fork height, the truck is with good applicability.
- With vertical driving wheel offers small turning radius.
- With floating design for drive axle provides good anti-vibration.
- Side-way battery with roll-out system is very convenient to replace batteries. Achieves the continuity of working.
- When the truck jolts, the connecting rod will never be crooked because of the pull function.

#### SERVICEABILITY:

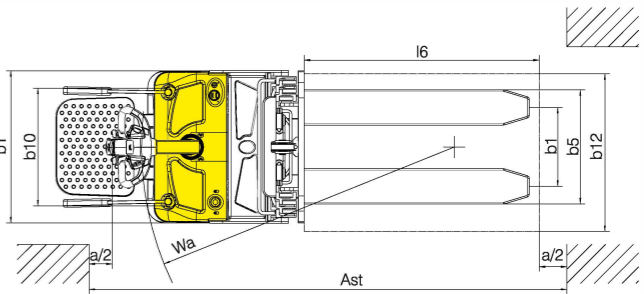
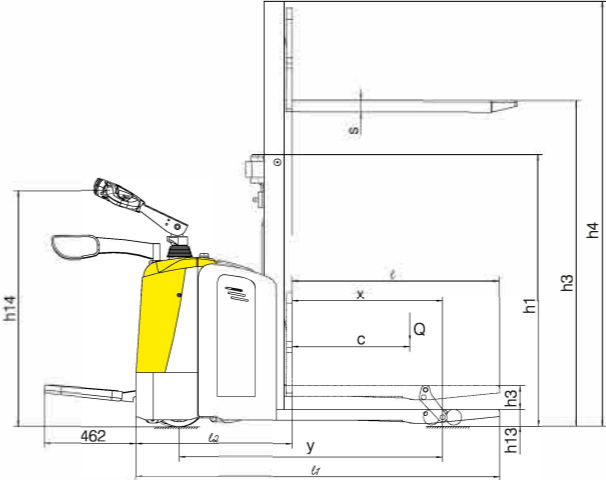
- Low battery protection setting prolongs the battery life.
- With Integration electric layout, it is very easy to maintenance. Reliable and shockproof electric system.
- Easy replacement and maintenance for the steering wheel.

1KG=2.205LB 1INCH=25.40MM

Model	CBD20SR	
Operate type	Q(kg)	standing
Load capacity	Q(kg)	2000
Load capacity for mast lift	Q(kg)	1000
Load capacity for rocker lift	c(mm)	2000
Load centre distance	x(mm)	600
Load distance,centre of drive axle to fork	Y(mm)	767
Tyre size,front	Φ250×70	
Tyre size,rear	Φ80×70	
Additional wheels(dimension)	Φ127×57	
Wheels,number front rear(x=driven wheels)	1X+2/4	
Max lifting height	h <sub>1</sub> (mm)	1600/2000/2500
Mast height, lowered	h <sub>1</sub> (mm)	1082/1212/1382
Mast height , extended	h <sub>1</sub> (mm)	2118/2508/3018
Lifting height for leg	h <sub>2</sub> (mm)	120
Height of tiller in drive position min./max	h <sub>14</sub> (mm)	1150/1430
Lowered fork height	h <sub>13</sub> (mm)	90
Overall length	l <sub>1</sub> (mm)	1898/1948
Length to face of forks	l <sub>2</sub> (mm)	798
Overall width	b <sub>1</sub> (mm)	775
Fork dimension	s/e/l(mm)	54×180×1100(1150)
Width overall forks	b <sub>5</sub> (mm)	570/650
Aisle width for pallets 1000x1200 crossways	A <sub>4</sub> (mm)	2098/2148
Aisle width for pallets 800x1200 lengthways	A <sub>4</sub> (mm)	2198
Turning radius	W <sub>4</sub> (mm)	1600
Travel speed,laden/unladen	Km/h	9/9.1
Lift speed,laden/unladen	m/s	0.11/0.15
Lowering speed, laden/unladen	m/s	0.18/0.18
Service brake	electromagnetic braking	
Battery voltage, nominal capacity k5	V/Ah	24/240
Battery weight	Kg	235
Battery dimension l/w/h	mm	750×170×570
Service weight(with battery)	Kg	1130



Best solution for operation on uneven ground.





Model:  
**CBD20Z**  
**CBD25Z**

**AC**

**EPS**



Proportional Power assistant steering



Rapid and simple battery changing system (option)



Open structure design makes repair and maintenance convenient.



1. With strong power and good throughput capacity, gradeability under unladen can reach 25% and arrive 10% under laden situation.  
2. Lift height of 135mm is better for pallets applicability.



## Advantages:

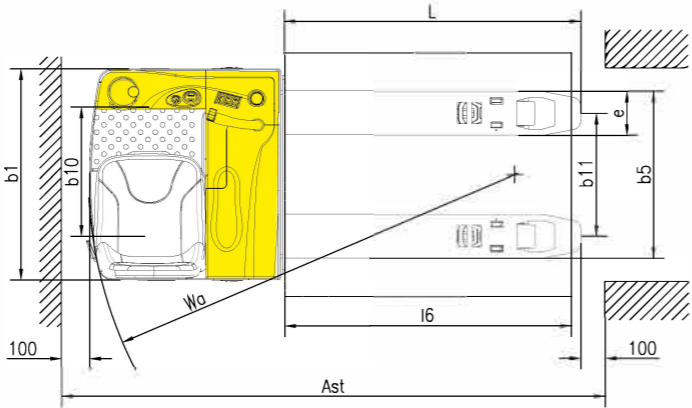
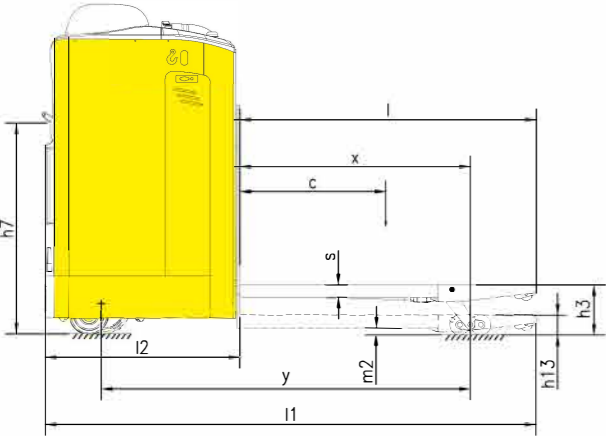
### SAFETY AND PRODUCTIVITY:

- 2000/2500kgs load capacity.
- Advanced AC control with reliable performance is easy to maintain. Speed frequency control makes good control performance.
- Electric power steering system(EPS).
- Intelligentized regenerative brake system combined with electromagnetic system allows safe and reliable brake and prolongs life time.
- Side battery with roll out system, convenient to handle.
- Connecting rod will not bend and deform at working, and the length can be adjust accurately and conveniently.
- The guide wheel on fork head makes convenient pallet work.
- High level configuration of motor power and battery capacity, max travel speed under laden arrives 7.5-7.8km/h, greatly improved work efficiency and reliability.
- With good looking and small turning radius.
- The key components is set compact and reasonable, which is convenient to maintenance.

# Electric Seated Pallet Truck

1KG=2.205LB    1INCH=25.40MM

Model		C8D20Z	C8D25Z
Operate type		seated	seated
Load capacity	Q(kg)	2000	2500
Load centre distance	c(mm)	600	600
Load distance, centre of drive axle to fork	x(mm)	840/890/960	840/890/960
Height,lowered	h <sub>13</sub> (mm)	82	82
Tyre size, front	mm	φ 250x80	Φ250×80
Tyre size, rear	mm	φ 82x98	Φ82×98
Additional wheels(dimensions)	mm	φ 160x55	Φ160×55
Wheels, number front rear(x=driven wheels)		1X+ 1/4	1X+ 1/4
Max. lift height	h <sub>5</sub> (mm)	202	202
Seat height/stand height	h <sub>7</sub> (mm)	900	900
Overall length	l <sub>1</sub> (mm)	1900/1950/2020	1900/1950/2020
Length to face of forks	l <sub>2</sub> (mm)	800	800
Overall width	b <sub>1</sub> (mm)	864	864
Fork dimensions	s/e/l(mm)	54x180x1100(1150/1220)	54×180×1100(1150/1220)
Width overall forks	b <sub>5</sub> (mm)	520/550/650/685	520/550/650/685
Aisle width for pallets 1000x1200 crossways	A <sub>u</sub> (mm)	2115/2165/2235	2115/2165/2235
Aisle width for pallets 800x1200 lengthways	A <sub>u</sub> (mm)	2215/2215/2235	2215/2215/2235
Turning radius	W <sub>4</sub> (mm)	1630/1680/1750	1630/1680/1750
Travel speed, laden/unladen	Km/h	7.5/8	7.5/8
Battery voltage,nominal capacity K <sub>6</sub>	V/Ah	24/270	24/300
Battery weight	Kg	264	264
Service weight(with battery)	Kg	900	900





Model:  
**CBD25T**  
**CBD30T**

Heavy Duty type CBD-T series  
Rider Pallet Trucks with capacity  
(2500 - 4000kg / 5500 - 8800lbs),  
widely used in supermarket & big  
warehouse.

**AC** **EPS**

Advantages:

SAFETY AND EFFICIENCY

- Smooth running, strong load capacity ,excellent climbing ability, with durable and reliable truck body and wheels.
- Side-standing operation, safety handle bar provides safty operation.
- Electric power steering system(EPS)
- Multi-function display: battery status, hour meter, fault code, slow running state, etc.
- Switch control equipped armrest for lifting/lowering, slow running and the horn functions.
- High-capacity Battery (300-700Ah) and big power Drive Motor provides strong power and ensures long working time.
- Efficient micro computer MOS controlling system.
- Adjustable-speed AC motor provides long life, free maintenance and excellent performance for the ramp up & down.
- Emergency reverse direction switch equipped handle, provides safer operation.
- Build-in pressure relief valve protects the truck from overloads.
- Emergency power disconnecter.
- Turtle speed switch.

STRUCTURAL:

- Standing drive motor system easy for maintenance.
- Equipped with a load-backrest (different height is available).
- The lifting height reaches 135mm, which provides better passing ability.
- Combined balance wheels increase steadiness, preventing the truck from being rocked from side to side.
- The balance wheel is detachable, it is convenient to maintain.
- The side door of battery is conveniently to be replaced and service .

EASY MAINTENANCE

- Low battery protection setting prolongs the battery use time.
- CANbus technology reduces wiring complexity, making the line clear, orderly and easy to repair. And also increases the truck's reliability.
- Hall-effect throttle control eliminates wear components and prolongs its use time.
- With reasonable design, the cover is reliable and easy to dismantle, which makes the maintenance of the electrical parts very easy.

1KG=2.205LB    1INCH=25.40MM

Model		CBD25T	CBD30T
Load capacity/rated load	Q(kg/lbs)	2500/5500	3000/6600
Load centre distance	c(mm/inch)	600/24	600/24
Load distance,centre of drive axle to fork	x(mm/inch)	933/36.8	933/36.8
Height,lowered	h <sub>3</sub> (mm/inch)	82/3.2	82/3.2
Tyre size, front	mm/inch	φ 250x80/ φ 10x3.2	φ 250x80/ φ 10x3.2
Tyre size, rear	mm/inch	φ 82x173/ φ 3.2x6.8	φ 82x173/ φ 3.2x6.8
Additional wheels(dimensions)	mm/inch	φ 127x57/ φ 5x2.3	φ 127x57/ φ 5x2.3
Wheels, number front rear(x=driven wheels)		1X+2/2	1X+2/2
Max. lift height	h <sub>2</sub> (mm/inch)	217/8.5	217/8.5
Height of tiller in drive position min./max.	h <sub>4</sub> (mm/inch)	1041/1374(41/54.1)	1041/1374(41/54.1)
Overall length	l <sub>1</sub> (mm/inch)	2143/84.4	2143/84.4
Length to face of forks	l <sub>2</sub> (mm/inch)	923/36.3	923/36.3
Overall width	b <sub>1</sub> (mm/inch)	936/36.9	936/36.9
Fork dimensions	s/e/l(mm/inch)	55x230x1220/2.2x9.1x48	55x230x1220/2.2x9.1x48
Width overall forks	b <sub>2</sub> (mm/inch)	685/27	685/27
Aisle width for pallets 1000x1200 crossways	A <sub>1</sub> (mm/inch)	2343/92.2	2343/92.2
Aisle width for pallets 800x1200 lengthways	A <sub>2</sub> (mm/inch)	2343/92.2	2343/92.2
Turning radius	W <sub>1</sub> (mm/inch)	1860/73.2	1860/73.2
Travel speed,laden/unladen	Km/h	7.5/8	6/6.5
Battery voltage, nominal capacity K <sub>2</sub>	V/Ah	24/300	24/300
Battery weight	kg/lbs	300/660	300/660
Battery dimensions    l/w/h	mm/inch	810x212x665/31.9x8.3x26.2	810x212x665/31.9x8.3x26.2
Service weight(with battery)	kg/lbs	860/1896	860/1896

Option: Max capacity up to 4000kg/8800lbs  
Max.Fork length: 2100mm/82inch  
Two pallet available



1. Germany Frei handle.
2. High & Low speed switches.
3. Large storage compartment near console to store tools, pencils and paper.

