

# Electric Pallet Truck



AC

EPS

## Model: CBD25T CBD30T

Option: Max capacity up to 4000kg

The heavy Duty type CBD-T series Rider Pallet Trucks with big capacity from (2500/4000kg), which widely used in huge super market and large warehouse for long distance transport.



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

### Advantages:

#### GOOD SAFETY AND EFFICIENCY

- The truck features a smooth running, strong load capacity and excellent climbing ability, and the truck body and wheels are durable and reliable.
- Side-standing operation and equipped with safety handle bar provide safety operation.
- Power steering system(EPS) ensures effortless and highly efficient maneuver ability.
- Multi-function display: battery status, hour meter, fault code, slow running state, etc.
- Safety armrest equipped with operating switch design allows control of lifting/lowering, slow running and the horn functions with either hands.
- High-capacity Battery (300-750Ah)and high-power Drive Motor provides strong power and ensures lasting runtime.
- The advanced controlling system uses efficient micro computer MOS, drive motor is the AC adjustable-speed motor which provides long life and good speed adjusting performance, and is maintenance-free.
- AC- motor eliminates carbon brushes and has good starting performance of the ramp.
- The handle is equipped with an emergency reverse direction switch, which provides safer operation.
- Build-in pressure relief valve protects the truck from overloads, and increases the truck's reliability.
- Emergency power disconnecter.
- Turtle- shaped low 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 .

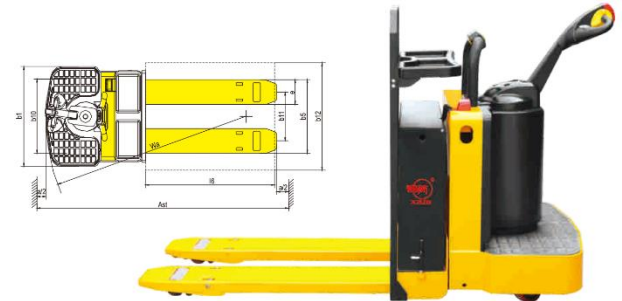
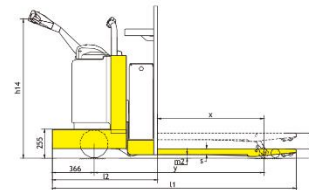
#### EASY MAINTENANCE

- Low battery protection setting prolong 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
Drive		Electric	Electric
Operator type		standing	standing
Load capacity/rated load	Q(kg)	2500	3000
Load centre distance	c(mm)	600	600
Load distance,centre of drive axle to fork	x(mm)	933	933
Wheelbase	Y(mm)	1491	1491
Axle loading,laden front/rear		1240/2120	1360/2500
Axle loading,unladen front/rear	kg	640/220	640/220
Tyres		polyurethane	polyurethane
Tyre size, front		φ 250x80	φ 250x80
Tyre size, rear	mm	φ 82x173	φ 82x173
Additional wheels(dimensions)	mm	φ 127x57	φ 127x57
Wheels, number front rear(x=driven wheels)	mm	1X+2/4	1X+2/4
Tread, front		691	691
Tread, rear	b <sub>2</sub> (mm)	455	455
Max. lift height	b <sub>1</sub> (mm)	135	135
Height of tiller in drive position min./max.	h <sub>1</sub> (mm)	1041/1374	1041/1374
Height,lowered	h <sub>2</sub> (mm)	82	82
Overall length	h <sub>3</sub> (mm)	2143	2143
Length to face of forks	l <sub>1</sub> (mm)	923	923
Overall width	l <sub>2</sub> (mm)	936	936
Fork dimensions	b <sub>1</sub> /b <sub>2</sub> (mm)	55x230x1220	55x230x1220
Width overall forks	s/eft(mm)	685	685
Ground clearance,centre of wheelbase	b <sub>3</sub> (mm)	27	27
Aisle width for pallets 1000x1200 crossways	m <sub>1</sub> (mm)	2343	2343
Aisle width for pallets 800x1200 lengthways	A <sub>1</sub> (mm)	2343	2343
Turning radius	A <sub>2</sub> (mm)	1860	1860
Travel speed,laden/unladen	W <sub>1</sub> (mm)	7.5/8	6/6.5
Lift speed,laden/unladen		0.03/0.04	0.03/0.04
Lowering speed,laden/unladen		0.06/0.045	0.06/0.045
Gradeability,laden/unladen	m/s	6/8	6/8
Max.gradeability,laden/unladen	m/s	8/20	8/20
Service brake	%	regenerative	regenerative
Battery voltage,nominal capacity K <sub>2</sub>		24/300	24/300
Battery weight		300	300
Battery dimensions l/w/h	V/Ah	810x212x665	810x212x665
Sound level at the driver's ear acc.to DIN 12053	kg	70	70
Service weight (with battery)	mm	860	860
	dB(A)		
	kg		

Max.Fork length: 2100mm  
Two pallet available



# Electric Pallet Truck

Model: **CBD15W**



Hot Sale

The Max Mini type CBD15W (1500kg) with same size as hand pallet truck widely used in narrow aisle workshop, small super market and cargo containers.



Standard Handle



Frei tiller head (option)



Multi-dunction display

## Advantages:

- With smallest turning radius 1320mm-1389mm (width 550mm-685mm)
- Permanent magnet brushless motor with high electric efficiency, maintenance free.
- Full sealed battery free to maintain, big capacity 24v/80AH fit for high intensity use.
- Max speed limit button can release brake when handle under upright position, reduce turning space greatly. (option for frei handle)
- High travel speed is up to 5.3-5.8km/h, improve productive efficiency.
- Floating balance wheel is automatic adjust height, prevents shaking when unload.
- Horizontal drive wheel provides convenient replacement.

## Standard Features

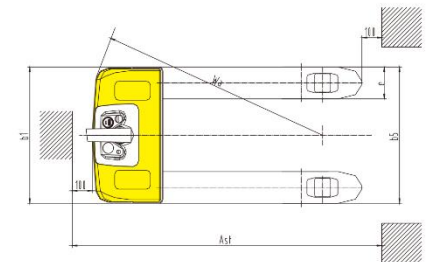
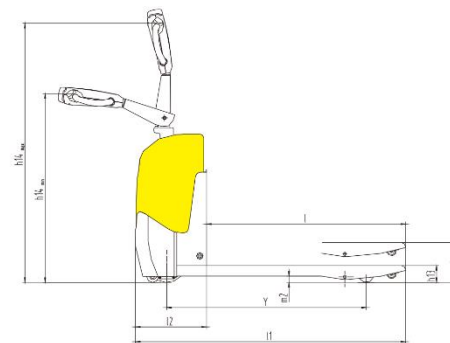
- RUYI new type Tiller Head with Max speed limit button.
- Emergency stop & belly button.
- BDI and hour meter.
- Casters to balance stability.
- Sealed battery.
- Brushless Horizontal motor.
- Built-in Charger.
- Exist roller.

## Option

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

1KG=2.205LB 1INCH=25.40MM

MODEL	CBD15W	
Drive type	electric	
Operation type	pedestrian	
Load capacity	Q(kg)	1500
Fork height,lowered	$h_0$ (mm)	85/75
Wheelbase	Y(mm)	1152/1222
Tyre	polyurethane	
Tyre size,front	mm	Φ195
Tyre size,rear	mm	Φ80/Φ74
Wheels, number front rear (x= driven wheels)	1x-2x4	
Max. lift height	$h_2$ (mm)	209/190
Height of tiller in drive position min./max	$h_3$ (mm)	950/1310
Overall length	$L_1$ (mm)	1508/1578
Length to face of forks	$L_2$ (mm)	358
Overall width	$L_3$ (mm)	685
Fork dimensions	$b_1$ (mm)	53/160/1150(1220)
Width overall forks	s/e/1(mm)	520/550/685
Ground clearance, center of wheelbase	$b_2$ (mm)	32/22
Aisle width for pallets 1000x1200(1200crossways)	$h_4$ (mm)	1708/1778
Aisle width for pallets 800x1200(1200lengthways)	$A_1$ (mm)	1758/1778
Turning radius	$A_2$ (mm)	1320/1389
Travel speed,laden/unladen	Wa(mm)	5.3/5.8
Lift speed,laden/unladen	Km/h	35/45
Lowering speed,laden/unladen	mm/s	80/37
Max.gradeability,laden/unladen	mm/s	5/15
Battery voltage/nominal capacity	%	24/80
Battery dimensions l/w/h	V/Ah	260/169/215
Battery weight	mm	24.5
Service weight	Kg	230
Service brake	Kg	electric
Sound level at the driver's ear according to DIN12663	Kg	70
	dB(A)	



# Electric Pallet Truck

## Model: CBD20K(D)

The super light Walkie type CBD20K(D) (2000kg) with small turning radius and low profile chassis, widely used in **Narrow Space** like small super market and workshop.

### Advantages:

#### SAFETY AND PRODUCTIVITY:

- Advanced AC control system eliminating the motor brushes and directional contactors, which makes the minimal maintenance requirements. Intelligent 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.
- Emergency reversing device.
- Built-in pressure relief valve protects the trucks from overloads.
- Long handle tube gives flexible and laborsaving operation.
- Emergency power disconnect.
- Low speed switch in the handle.
- Stepless speed control.

#### STRUCTURAL:

- Vertical driving wheel offers small turning radius. The structure is water-proof and dust-



Swing-out battery



One set side way battery



proof.

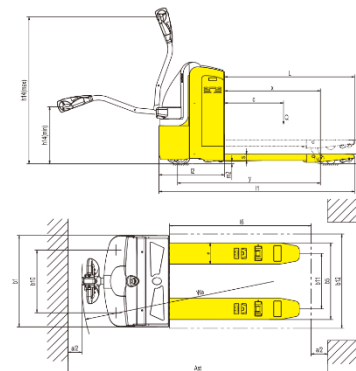
- The riser axle located at the highest point of forks, which protect riser axles from constant contact from uneven floors. Pull rod design protect the rod from bending.
- Spring-loaded castors improve lateral stability on uneven floors and enhance truck performance and service life.
- One-piece heavy gauge steel is formed for maximum strength forks.

#### SERVICEABILITY:

- Low battery protection setting prolongs the battery use time.
- CANbus technology reduces wiring complexity and increases reliability.
- All pivot points have grease fitting and serviceable bushing, reducing component wear and extending component life.

1KG=2.205LB 1INCH=25.40MM

MODEL		CBD20K(D)-I	CBD20K(D)-II
battery type		1 set side way battery	swing-out. battery
Drive		electric	electric
Operate type		walkie	walkie
Load capacity/rated load	Q(kg)	2000	2000
Load centre distance	c(mm)	600	600
Load distance,centre of drive axle to fork	x(mm)	815/885/935	865/935
Fork Height, lowered	h <sub>0</sub> (mm)	82	82
Wheelbase	y(mm)	1211/1261/1331	1361
Axle loading,laden front/rear	kg	1170/1450	1170/1450
Axle loading,unladen front/rear	kg	470/150	470/150
Tyres	kg	polyurethane	polyurethane
Tyre size,front		φ260x70	φ260x70
Tyre size rear		φ82x126	φ82x126
Additional wheels(dimensions)		φ127x57	φ127x57
Wheels,number front rear(x=driven wheels)		1X+2/2	1X+2/2
Tread,front		510	510
Tread,rear	b <sub>0</sub> (mm)	340/370/470/505	470/505
Max. lift height	b <sub>1</sub> (mm)	120	120
Height of tiller in drive position min./max.	h <sub>2</sub> (mm)	780/1230	780/1230
Overall length	h <sub>3</sub> (mm)	1655/1705/1775	1805
Length to face of forks	l <sub>1</sub> (mm)	555	555
Overall width	l <sub>2</sub> (mm)	775	775
Fork dimensions	b <sub>2</sub> (mm)	54x180x1100(1150/1220)	54x180x1220
Width overall forks	s/e/l(mm)	520/550/650/685	550/685
Ground clearance,centre of wheelbase	b <sub>3</sub> (mm)	28	28
Aisle width for pallets 1000x1200 crossways	m <sub>1</sub> (mm)	2015/2065/2135	2165
Aisle width for pallets 800x1200 lengthways	A <sub>1</sub> (mm)	2115/2115/2135	2165
Turning radius	A <sub>2</sub> (mm)	1400/1450/1520	1560
Travel speed,laden/unladen	W <sub>1</sub> (mm)	5.5/5.6	5.5/5.6
Lift speed,laden/unladen		0.039/0.056	0.039/0.056
Lowering speed,laden/unladen	Km/h	0.064/0.050	0.064/0.050
Gradeability,laden/unladen	m/s	6/12	6/12
Max gradeability,laden/unladen	m/s	8/20	8/20
Service brake	%	Electro magnetic	Electro magnetic
Battery voltage,nominal capacity K5	%	24/165(210)	24/200
Battery weight		170	170
Battery box dimensions	V/Ah	750x170x474(534)	~
Sound level at the driver's ear acc.to DIN 12053	Kg	70	70
Service weight(without battery)	mm	450	450
	dB(A)		
	kg		



Drive System



Multi function indicator and hour meter



Option: swing-out battery tray



# Electric Pallet Truck



Conforms to EN 1175-1:1998  
EN ISO 3691-1:2008  
Based on Directive 2006/42/EC

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



AC

## 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 wheel
- Sideway battery change
- Built-in Charger (option)
- Platform with speed sensor

## Option

- Fork width and length (size)
- Load backrest
- Out side charger
- Customized battery compartment
- Entry & exist roller for empty pallets
- EPS (for CBD20R-I, CBD25R-I)

The Rider type CBD-R (2000/2500kg) with small turning radius and super light steering system, widely used in **Narrow Space** like small super market and narrow workshop.



MOSFET control system (CBD20R-I)



Foldable platform with speed sensor



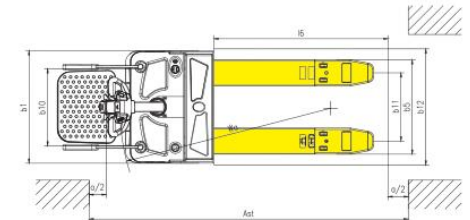
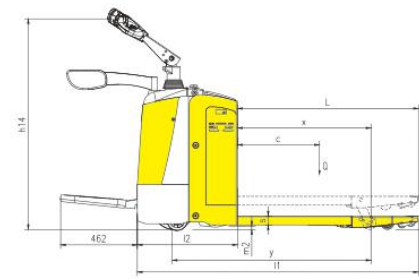
Industry battery & locker



Germany Frei tiller head

1KG=2.205LB 1INCH=25.40MM

MODEL		CBD20R-I	CBD25R-I	CBD20R-II
Drive type		electric	electric	electric
Operation type		standing	standing	standing
Load capacity	Q(kg)	2000	2500	2000
Load centre distance	c(mm)	600	600	600
Load distance, centre of drive axle to fork	x(mm)	818/868/938	818/868/938	815/865/935
Fork height, lowered	h <sub>0</sub> (mm)	85/80	85/80	82
Wheelbase	y(mm)	1302/1352/1422	1302/1352/1422	1211/1261/1331
Axis loading, laden front/rear	kg	1640/1080	1640/1080	1300/1410
Axis loading, unladen front/rear	kg	160/560	160/560	600/110
Tyres		polyurethane	polyurethane	polyurethane
Tyre size, front		φ 250x70	φ 250x70	φ 250x70
Tyre size, rear	mm	φ 82x90/ φ 78x90	φ 82x90/ φ 78x90	φ 82x126
Additional wheels(dimensions)	mm	φ 127x57	φ 127x57	φ 127x57
Wheels, number front/rear(x=driven wheels)	mm	1X+2/4	1X+2/4	1X+2/2
Tread, front		490	490	490
Tread, rear	b <sub>0</sub> (mm)	340/370/470/505	340/370/470/505	340/370/470/505
Max. lift height	b <sub>1</sub> (mm)	195/205	195/205	202
Height of tiller in drive position min./max.	h <sub>1</sub> (mm)	1150/1450	1150/1450	1150/1430
Overall length	h <sub>2</sub> (mm)	1823/1873/1943	1823/1873/1943	1710/1760/1830
Length to face of forks	l <sub>1</sub> (mm)	723	723	610
Overall width	l <sub>2</sub> (mm)	733	733	775
Fork dimensions	b <sub>2</sub> (mm)	53x180x1100(1150/1220)	53x180x1100(1150/1220)	53x180x1100 (1150/1220)
Width overall forks	s/e/l(mm)	520/550/650/685	520/550/650/685	520/550/650/685
Ground clearance, centre of wheelbase	b <sub>3</sub> (mm)	30	30	28
Aisle width for pallets 1000x1200 crossways	m <sub>1</sub> (mm)	2135/2185/2255	2135/2185/2255	1910/1960/2030
Aisle width for pallets 800x1200 lengthways	A <sub>1</sub> (mm)	2235/2235/2255	2235/2235/2255	2010/2010/2030
Turning radius	A <sub>2</sub> (mm)	1700/1750/1820	1700/1750/1820	1550/1600/1670
Travel speed, laden/unladen	W <sub>1</sub> (mm)	7.9/6	6.7/6.8	7/7.1
Lift speed, laden/unladen	W <sub>2</sub> (mm)	0.03/0.032	0.03/0.032	0.039/0.056
Lowering speed, laden/unladen	Km/h	0.032/0.03	0.032/0.03	0.064/0.050
Max. gradeability, laden/unladen	m/s	8/20	8/20	8/20
Service brake	m/s	regenerative	regenerative	Electromagnetic brake
Battery voltage, nominal capacity K <sub>2</sub>	%	24/240	24/240	24/210
		240	240	170
	V/Ah	650x250x505	650x250x505	750x170x534
Battery weight	Kg	70	70	70
Battery dimensions l/w/h	mm	720	720	710
Sound level at the driver's ear acc. to DIN 12053	dB(A)			
Service weight (with battery)	kg			



# Electric Pallet Truck

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

AC



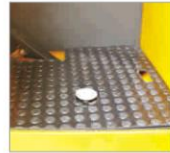
(seated type)



Side-way Battery



Rapid and simple battery changing system (option)



Deadman Brake Device



Proportional Power assistant steering



Conforms to EN 1175-1:1998  
EN ISO3691-1:2008  
Based on Directive 2006/42/EC



(Lean-on type)

## Advantages:

### SAFETY AND PRODUCTIVITY:

- Advanced AC control system eliminating 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.
- The padded armrest supports the operator's upper arm and shoulder, reducing operator fatigue.
- Built-in pressure relief valve protects the trucks from overloads.
- Emergency power disconnect.
- Stepless speed control.
- Big battery capacity 320Ah, drive motor 2.2KW. The work efficiency and reliability are much improved.
- The deadman brake device in the compartment makes operation safer.
- Built-in hood lock device and safety lock device increase the safety level of the trucks.

### STRUCTURAL:

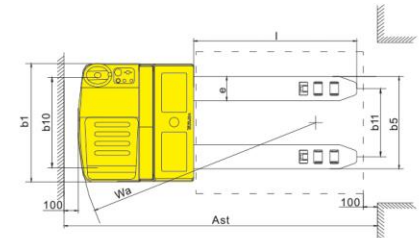
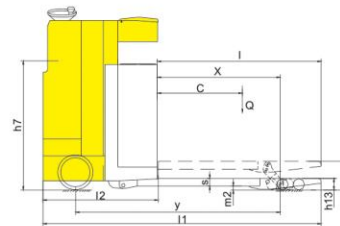
- Standing drive motor system has a small turning radius and easy to maintain. The motor structure is water-proof and dust-proof.
- Side battery with roll-out system is very convenient to replace batteries and useful for 2 or more shifts working.
- One-piece gauge steel is formed for maximum strength forks.

### SERVICEABILITY:

- CANbus technology reduces wiring complexity and increase reliability.
- Hall-effect throttle control eliminates wear components and requiring no mechanical adjustment.
- All pivot points have grease fitting and serviceable bushing, reducing component wear and extending component life.

MODEL	CBD20Z	CBD25Z
Drive type	electric	electric
Operation type	seated	seated
Load capacity	2000	2500
Load centre distance	600	600
Load distance, centre of drive axle to fork	864	864
Fork height, lowered	85	85
Wheelbase	1442	1442
Axle loading, laden front/rear	960/2020	1162/2278
Axle loading, unladen front/rear	700/240	700/240
Tyres	polyurethane	polyurethane
Tyre size, front	φ 250x80	φ 250x80
Tyre size, rear	φ 82x90	φ 82x90
Additional wheels(dimensions)	φ 160x55	φ 160x55
Wheels, number front rear(x=driven wheels)	1+1x4	1+1x4
Tread, front	490	490
Tread, rear	350/380/480/515	350/380/480/515
Max. lift height	210	210
Seat height/stand height	910	910
Overall length	2010	2010
Length to face of forks	858	858
Overall width	864	864
Fork dimensions	55x170x1150(1100/1220)	55x170x1150(1100/1220)
Width overall forks	520/550/650/685	520/550/650/685
Ground clearance, centre of wheelbase	30	30
Aisle width for pallets 1000x1200 crossways	2165	2165
Aisle width for pallets 800x1200 lengthways	2265	2265
Turning radius	1725	1725
Travel speed, laden/unladen	6.5/7	6.5/7
Lift speed, laden/unladen	0.03/0.04	0.03/0.04
Lowering speed, laden/unladen	0.05/0.045	0.05/0.045
Max. gradeability, laden/unladen	10/20	10/20
Service brake	Electromagnetic	Electromagnetic
Battery weight	321	321
Battery voltage nominal capacity K <sub>2</sub>	V/Ah	Mosfet
Sound level at the driver's ear acc. to DIN 12053	Kg	70
Service weight (with battery)	940	940
	dB(A)	
	kg	

1KG=2.205LB 1INCH=25.40MM





# Semi-electric Pallet Truck



Model:  
**CBD15A**



#### Advantages:

- Permanent magnet brushless motor with high electric efficiency, maintenance free.
- Gradient performance is high.
- With smallest turning radius.
- Full sealed battery free to maintain, big capacity 24v/65AH fit for high intensity use.
- Traction speed is consistency under laden or unladen, improve productive efficiency.
- Horizontal drive wheel provides convenient replacement.
- Stepless speed control.
- Floating balance wheel is automatic adjust height, prevents shaking when unload.
- Built-in charger.



Model: **CBD10A-II**

#### Advantages:

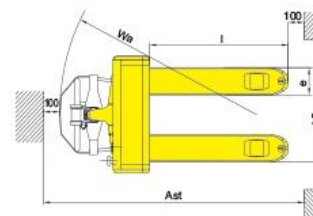
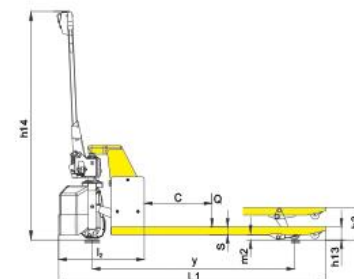
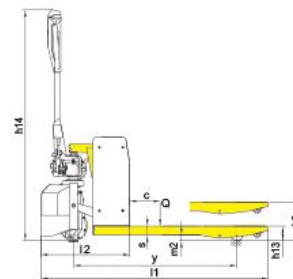
- Two-speed driving system.
- Emergency brake switch.
- Manual lifting and motor driving.
- AC motor, no carbon brush, maintenance free, low noise.
- Sealed batteries free of maintenance, safe operation and no pollution.
- Built-in charger.



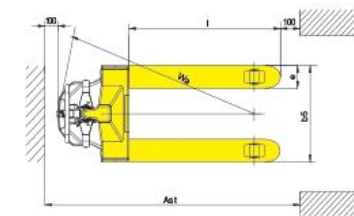
Conforms to EN 1757-2  
EN ISO 14121-1  
Based on Directive 2006/42/EC

1KG=2.205LB 1INCH=25.40MM

MODEL		CBD10A-II	CBD10A-III	CBD15A
Load capacity	Q(kg)	1000	1500	1500
Load centre distance	c(mm)	500	500	600
Fork height, lowered	$h_{1d}$ (mm)	85/75	85/75	85/75
Wheelbase	y(mm)	1280/1350	1305/1375	1287/1357
Tyre size, front	mm	Φ185	Φ185	Φ195
Tyre size, rear	mm	Φ80/Φ74	Φ80/Φ74	Φ80/Φ74
Max. lift height	$h_2$ (mm)	200/190	200/190	200/190
Height of tiller in drive position min/max	$h_{1d}$ (mm)	1244	1258/1371	770/1254
Overall length	$l_1$ (mm)	1685/1755	1707/1777	1644/1714
Length to face of forks	$l_2$ (mm)	535	567	490
Fork dimensions	s/b/l(mm)	45/160/1150(1220)	53/160/1150(1220)	53/160/1150(1220)
Width overall forks	$b_1$ (mm)	520/550/680	520/550/680	520/550/685
Ground clearance, centre of wheelbase	$b_2$ (mm)	40/30	32/22	32/22
Aisle width for pallets 1000x1200 crossways	$m_1$ (mm)	1885/1955	1907/1977	1844/1914
Aisle width for pallets 800x1200 lengthways	$A_d$ (mm)	1935/1955	1957/1977	1894/1914
Turning radius	$A_2$ (mm)	1490/1560	1518/1588	1445/1515
Travel speed, laden/unladen	$W_s$ (mm)	2.6/3.8	4.5/4.5	5.3/5.8
Max. gradability, laden/unladen	Km/h	5/15	5/15	5/15
Battery voltage, nominal capacity K5	%	24/38	24/80	24/65
Battery weight	V/Ah	26	49	46
Service weight (with battery)	Kg	150	205	200
	Kg			



CBD10A-III



CBD10A-II