



MAKE EVERYTHING EASIER





## Electric Rider Pallet Truck

# 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.

# 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)



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		CBD20R-II	CBD25R-II	CBD30R-II
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Standing	Standing	Standing
Rated capacity/rated load	Q (kg)	2000	2500	3000
Load centre distance	c (mm)	600	600	600
Load distance, centre of drive axle to fork	x (mm)	914/964/1034	914/964/1034	914/964/1034
Wheelbase	y (mm)	1211/1261/1331	1211/1261/1331	1286/1336/1406
Service weight	kg	710	740	820
Axle loading, laden front/rear	kg	1300/1410	1470/1770	1720/2100
Axle loading, unladen front/rear	kg	600/110	620/120	660/160
Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane(PU)	Polyurethane(PU)	Polyurethane(PU)
Tyre size, front	mm	♂250*70	♂250*70	♂250*80
Tyre size, rear	mm	♂82*126(98)	♂82*126(98)	♂82*126(98)
Additional wheels (dimensions)	mm	♂127*57	♂127*57	♂127*57
Wheels, number front/rear (x = driven wheels)		1X-2/2(4)	1X-2/2(4)	1X-2/2(4)
Tread, front	b <sub>10</sub> (mm)	537	537	537
Tread, rear	b <sub>11</sub> (mm)	340/370/470/505	340/370/470/505	340/370/470/505
Lift	h <sub>3</sub> (mm)	120	120	120
Height drawbar in driving position min./max.	h <sub>14</sub> (mm)	1150/1430	1150/1430	1150/1430
Height, lowered	h <sub>13</sub> (mm)	82	82	82
Overall length	l <sub>1</sub> (mm)	1710/1760/1830	1710/1760/1830	1785/1835/1905
Length to face of forks	l <sub>2</sub> (mm)	610	610	685
Overall width	b <sub>1</sub> /b <sub>2</sub> (mm)	775	775	775
Fork dimensions DIN ISO 2331	s/e/l (mm)	53/180/1100(1150/1220)	53/180/1100(1150/1220)	54/180/1100(1150/1220)
Fork spread	b <sub>5</sub> (mm)	520/550/650/685	520/550/650/685	520/550/650/685
Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	28	28	28
Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2360/2405/2475	2360/2405/2475	2435/2480/2550
Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2245/2270/2305	2245/2270/2305	2320/2345/2380
Turning radius	Wa (mm)	1550/1600/1670	1550/1600/1670	1550/1600/1670
Travel speed, laden/unladen	km/h	7.0/7.1	7.0/7.1	9.0/9.2
Lift speed, laden/unladen	m/s	0.025/0.035, 0.035/0.045	0.035/0.045	0.039/0.056
Lowering speed, lade/unladen	m/s	0.035/0.030, 0.060/0.055	0.060/0.055	0.064/0.050
Max. gradeability, laden/unladen	%	8/20	8/20	8/20
Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Drive motor rating S2 60 min	kW	1.2, 1.5	1.5	2.2
Lift motor rating at S3 15%	kW	0.8, 1.2	1.2	2.2
Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	24/210	24/240	24/240(280)
Battery weight	kg	195	235	235/275
Drive control		AC control	AC control	AC control
Sound pressure level at the driver' s seat	dB (A)	70	70	70

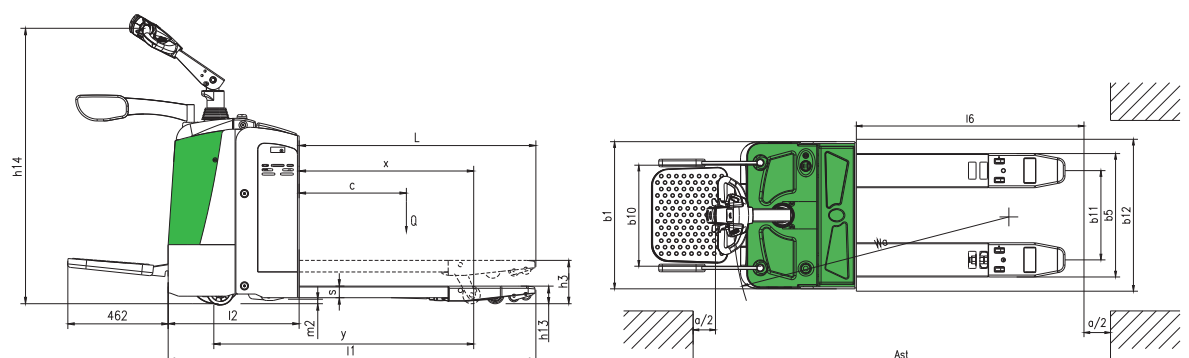
**Option:** Battery 240Ah / 400Ah; Drive speed 9.5-10km/h

Option with EPS drive wheel size is 250x80mm

**Option:** 

CBD20R-I/CBD25R-II Lithium battery 125AH (Charger 24V/50A)

CBD30R-II Lithium battery 225AH (Charger 24V/100A)







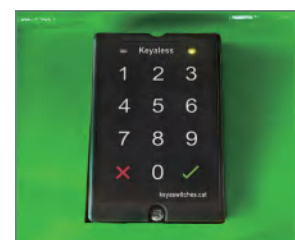
## CBD20R-II CBD25R-II

### STANDARD FEATURES

- RUYI handle
- 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
- Cold storage with rubber drive wheel
- Entry & exist roller for empty pallets
- EPS
- large compartment with battery capacity 280Ah, 400Ah
- CBD20R-II/CBD25R-II: Lithium battery 24V/1 25AH
- CBD30R-II: Lithium battery 24V/225AH



Keypad access (option)



RUYI Handle (standard)



Frei tiller head with one side lifting button (option)



Frei tiller head with two lifting button (option)



Entry roller for easy operation

# CBD30R-II

## 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 )

## 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.

## 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.





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