

# HELI

**GEAR**  
Keeps you going

## CBD15/20-190Li

### Electric Pallet Truck

#### Configuration and performance

- Vehicle--Small size, light weight, easy to operate.
- Battery--Lithium battery power, more energy-saving, more environmentally friendly.
- Motor--Permanent magnet brushless driving and lifting motor, maintenance-free, high efficiency, long service life.
- Controller--HELI self-made driving and lifting controller, multiple protection, high reliability.
- Fork--Double-sided pallet design, three fork modes with different length satisfy different needs.
- Standard lifting limit switch, safer and more energy-saving.
- Open layout, ultra-quick replacement of driving wheels, easy maintenance.



## Manufacturer's Data and Design Characteristics

Characteristics			CBD15-190Li	CBD20-190Li
1.1	Model		CBD15-190Li	CBD20-190Li
1.2	Operating type		Walkie	Walkie
1.3	Load capacity	(kg)	1500	2000
1.4	Load center	c(mm)	600	600
1.5	Wheel base	y(mm)	916/1166/1216	980/1230/1280
<b>Wheels</b>				
2.1	Wheels type		PU	
2.2	Wheel quantity Driving wheel/Balance wheel /Bearing wheel		1/2/4	
2.3	Driving wheel size	φ×w (mm)	φ 145×54	
2.4	Bearing wheel size	φ×w (mm)	φ 70×30	
2.5	Balance wheel size	φ×w (mm)	φ 84×70	
<b>Dimension</b>				
3.1	Min.fork lowered height	h4 (mm)	85	
3.2	Max.fork lifting height	h3 (mm)	205	
3.3	Max.lifting height	h5 (mm)	120	
3.4	Outside width between forks	B1 (mm)	560/685	
3.5	Inside width between forks	B2 (mm)	240/365	
3.6	Fork length	L2 (mm)	900/1150/1200	
3.7	Fork width	(mm)	160	
3.8	Fork thickness	S (mm)	55	
3.9	Overall length	L1 (mm)	1400/1650/1700	1465/1715/1765
3.10	Overall width	B1 (mm)	560/685	
3.11	Overall height(With handle)	h14 (mm)	1166	
3.12	Overall height(Without handle)	h13 (mm)	700	
3.13	Min.Turning radius	Wa (mm)	1055/1305/1355	1120/1370/1420
3.14	Min.Aisle width for pallets 800×1200	Ast (mm)	1745	1810
3.15	Min.Aisle width for pallets 1000×1200	Ast (mm)	1770	1835
<b>Performance</b>				
4.1	Travel speed,laden/unladen	(Km/h)	4.5/5.0	3.8/4.5
4.2	Lift speed,laden/unladen	(mm/s)	25/40	
4.3	Lowering speed,laden/unladen	(mm/s)	70/50	50/40
4.4	Gradeability,laden/unladen	(%)	6/16	
<b>Electrical configuration</b>				
5.1	Drive motor/Lift motor	(kW/h)	AC 0.8/AC 0.8	AC 1.0/AC 1.0
5.2	Battery voltage / capacity	(V/Ah)	72/8	72/16
5.3	Charger specification	(V/A)	72/4	72/8
5.4	Controller		HELI	
<b>Weight</b>				
6.1	Battery weight	(kg)	5.2	11
6.2	Service weight with battery	(kg)	118	166
<b>Others</b>				
7.1	Noise level	(dB(A))	≤75	
7.2	Steering type		Mechanical	
7.3	Driver controller type		AC	

