

CPD20J-R · ELECTRIC COUNTERBALANCED STACKER (STANDING ON)

Electric Stacker.

2.0 t, up to 4.5 m.

“Self-diagnostic display, optional full-free mast, large front wheel and lift limit cut-off for safer, steadier operation.”



COMPACT TURNING

1900 mm
Min. Turning Radius

Aisle, 1000 × 1200 across forks	3420 mm
Aisle, 800 × 1200 along forks	3530 mm
Overall width	940/1106 mm

4 Key Specifications

Rated Capacity	Lift Height	Travel Speed	Battery
2.0 t (Load centre 500 mm)	3000–4500 mm (2- and 3-stage masts)	5.2/5.5 km/h (Laden / unladen)	24/280 V/Ah (Voltage / capacity)

4 Product Features

01 Self-Diagnostic Function

Handheld unit connects to the controller and shows fault codes for quick, accurate troubleshooting.

04 Lift Limit Cut-Off

At full lift the system cuts the uplink power and stops smoothly, preventing overshoot accidents.

02 Optional Full-Free Mast

Full-free upgrade suits work in containers or under restricted ceilings.

03 Large Front Wheel Design

Higher chassis; auxiliary wheels beside the drive wheel aid safety, obstacle crossing and stability.

Technical Data

1 Characteristics

		CPD20J-R (2-Stage Std)	CPD20J-R (2-Stage FF)	CPD20J-R (3-Stage FF)
1.01	Model			
1.02	Power unit	Electric		
1.03	Operation	Pedestrian		
1.04	Rated load capacity	Q (kg)	2000	
1.05	Load centre	c (mm)	500	
1.06	Type of gantry	2-Stage Standard	2-Stage Full Free	3-Stage Full Free
1.07	Axle centre to fork face	x (mm)	174	
1.08	Wheelbase	y (mm)	1654	
1.09	Service weight with battery	kg	2580	2970
				3240

2 Wheels / Tyres

2.01	Wheels type	Polyurethane (PU)		
2.02	Driving wheel size	$\Phi \times w$ (mm)	$\Phi 250 \times 127$ (PU)	
2.03	Bearing wheel size	$\Phi \times w$ (mm)	$\Phi 250 \times 120$	
2.04	Balance wheel size	$\Phi \times w$ (mm)	$\Phi 149 \times 60$	
2.05	Wheels, number front/rear (x = driven)		1, 4/2	
2.06	Track width, drive end	b10 (mm)	665	
2.07	Track width, load end	b11 (mm)	976	

3 Dimensions

3.01	Mast/fork carriage tilt, forward/backward	a/b (°)	3/5	
3.02	Minimum height of gantry	h1 (mm)	1995	1995
3.03	Free lift	h2 (mm)	0	1120
3.04	Lift height	h3 (mm)	3000	3000
3.05	Maximum height of mast	h4 (mm)	3865	3865
3.06	Operating position handle bar min./max. height	h14 (mm)	1075/1502	
3.07	Minimum height of fork	h13 (mm)	40	
3.08	Overall length (platform folded)	l1 (mm)	3130	
3.09	Length to fork face (platform folded)	l2 (mm)	2060	
3.10	Overall width	b1/b2 (mm)	940/1106	
3.11	Fork dimensions	s/e/l (mm)	40/120/1070	
3.12	Width of fork carriage	b5 (mm)	240-700	
3.13	Distance between support arm and load surface	b4 (mm)	746	
3.14	Minimum ground clearance	m2 (mm)	48	
3.15	Aisle width, pallet 1000 × 1200 across forks	Ast (mm)	3420	
3.16	Aisle width, pallet 800 × 1200 along forks	Ast (mm)	3530	
3.17	Min. turning radius	Wa (mm)	1900	

4 Performance

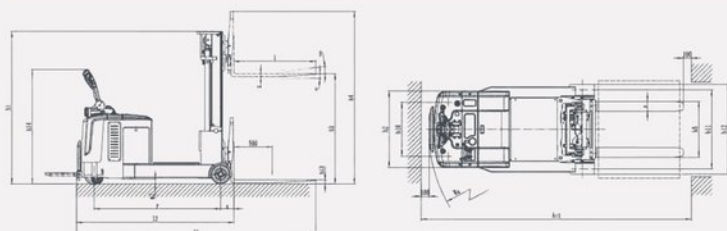
4.01	Travel speed, laden/unladen	km/h	5.2/5.5	
4.02	Lifting speed, with/without load	mm/s	110/170	
4.03	Lowering speed, with/without load	mm/s	90/90	
4.04	Max. climbing ability, with/without load	%	6/8	
4.05	Service brake		Electromagnetic	

5 Motor / Battery

5.01	Drive motor rating	kW	3.0	
5.02	Lift motor rating	kW	4.5	
5.03	Battery voltage / rated capacity	V/Ah	24/280	
5.04	Battery weight (± 5%)	kg	275	

6 Other

6.01	Type of drive control		AC speed control	
6.02	Noise level at operator's ear	dB(A)	≤ 75	



Dimension Drawings

Symbols correspond to the units column above.