



Let's grow together



# CPD15/20/30/35L1

1.5/2.0/3.0/3.5T Electric Counterbalance Forklift Truck



- Worlds first counterbalance truck designed around the Li-Ion Battery.
- High efficiency with high performance.
- Waterproof design suitable for various of weather.
- Lithium battery reduces charging time to 2 - 2.5 hrs.
- High comfort for operation with larger cab.

## Product parameters

distinguishing mark						
1.1	Manufacturer			EP	EP	EP
1.2	Model designation			CPD15L1	CPD20L1	CPD30L1
1.3	Drive unit			Electrics	Electrics	Electrics
1.4	Operator type			seated	seated	seated
1.5	rated capacity	Q	t	1.5	2	3
1.6	Load center distance	c	mm	500	500	500
1.8	Load distance, centre of drive axle to fork	x	mm	405	405	500
1.9	Wheelbase	y	mm	1470	1470	1698
Weight						
2.1	Service weight (include battery)		kg	2640	2950	4830
2.2	Axle loading, laden driving wheels /steering wheels		kg	3615/525	4380/570	6840/990
2.3	Axle loading, unladen driving wheels /steering wheels		kg	1190/1450	1155/1795	2065/2765
Types,Chassis						
3.1	Tyre type,driving wheels /steering wheels			solid rubber	solid rubber	solid rubber
3.2	Tyre size, driving wheels			18X7-8	18X7-8	23X10-12 (578X228)
3.3	Tyre size, steering wheels			5.00-8	5.00-8	200/50-10 (453X194)
3.5	Wheels, number driving/steering (x=drive wheels)		mm	2x/ 2	2x/ 2	2x/ 2
3.6	Tread, Driving wheels	b <sub>10</sub>	mm	910	910	1100
3.7	Tread, Steering wheels	b <sub>11</sub>	mm	920	920	1020
Dimensions						
4.1	Tilt of mast/fork carriage forward/backward	α/ β (°)		6/ 11	6/ 11	5/ 9
4.2	Height, mast lowered	h <sub>1</sub>	mm	2080	2080	2210
4.3	Free lift (load backrest)	h <sub>2</sub>	mm	95	95	140
4.4	Lift height	h <sub>3</sub>	mm	3000	3000	3000
4.5	Height, mast extended	h <sub>4</sub>	mm	4015	4015	4105
4.7	Height of overhead guard (cabin)	h <sub>6</sub>	mm	2080	2080	2210
4.8	Seat height	h <sub>7</sub>	mm	1050	1050	1120
4.12	Tow center of pin height	h <sub>10</sub>	mm	360	360	380
4.19	Overall length	l <sub>1</sub>	mm	3270	3270	3660
4.20	Length to face of forks	l <sub>2</sub>	mm	2200	2200	2590
4.21	Overall width	b <sub>1</sub> / b <sub>2</sub>	mm	1080	1080	1356
4.22	Fork dimensions	s/ e/ l	mm	40×100×1070	40×100×1070	45×125×1070
4.23	Fork carriage class/type A, B			2A	2A	3A
4.24	Fork carriage width	b <sub>3</sub>	mm	1040	1040	1228
4.31	Ground clearance, laden, below mast	m <sub>1</sub>	mm	110	110	125
4.32	The minimum ground clearance of frame	m <sub>2</sub>	mm	105	105	130
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	3685	3685	4090
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3885	3885	4290
4.35	Turning radius	Wa	mm	2080	2080	2390
Performance data						
5.1	Travel speed, laden/ unladen		km/ h	10.5/14	10.5/14	15/16
5.2	Lifting speed, laden/ unladen		m/ s	0.3/ 0.42	0.28/ 0.42	0.4/0.45
5.3	Lowering speed, laden/ unladen		m/ s	0.42/ 0.45	0.43/ 0.45	0.44/ 0.48
5.5	Drawbar pull, laden/unladen		N	—	—	—
5.6	Max. drawbar pull, laden/unladen (time)		N	—	10000	—
5.7	Gradeability, laden/unladen		%	—	—	—
5.8	Max. gradeability, laden/unladen		%	10.5/14	10.5/14	16/20
5.10	Service brake type			Electromagnetic	Electromagnetic	Hydraulic / Mechanical
	park brake type			Electromagnetic	Electromagnetic	Mechanical
Electric-engine						
6.1	Drive motor rating S2 60 min		kW	6	6	16.6
6.2	Lift motor rating at S3 15%		kW	7.5	7.5	24
6.3	The maximum allowed size battery		mm	—	—	891 X 550 X 680
6.4	Battery voltage/nominal capacity K5			—	—	80V 540AH
6.5	Battery weight		kg	—	—	490
	Standard battery pack capacity		V / AH	48V / 360AH	48V / 360AH	80V / 540Ah
	Chemical Material			LFP	LFP	LFP
	Charger		V / A	48V / 150A	48V / 150A	80V / 200A
Addition data						
8.1	Type of drive unit			AC	AC	AC
10.5	Steering type			—	—	—
10.7	Sound pressure level at the driver' s ear		dB (A)	—	—	70