

CPD20L1

ELECTRIC COUNTERBALANCE FORKLIFT TRUCK 2.0T

5000 mm 48 V Li-Ion



The Water proof design makes it an ideal tool for outdoor use, even in the rain. This robust electric forklift is also perfect for loading and unloading tasks.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			CPD20L1
Battery voltage		V	48
Load centre distance	c	mm	500
Service weight		kg	2950
Height, mast lowered	h ₁	mm	1990
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4028
Overall length	l ₁	mm	3270
Overall width	b ₁ /b ₂	mm	1080
Length to face of forks	l ₂	mm	2200
Fork dimensions	s/e/l	mm	40×100×1070
Turning radius	Wa	mm	2080
Drive			Electric
Operator type			Seated
Load distance, centre of drive axle to fork	x	mm	405

Features

IPX4 Rated, Suitable for Outdoor Usage

All forklifts from the L1 series are IPX4 water protected. The trucks can work outside in the rain when other electric forklift trucks can not do the same job!

Performance Improvement of AC Motor

The optimized 20L1S is now equipped with all AC motors, which gives it higher performance.

Large Cabin

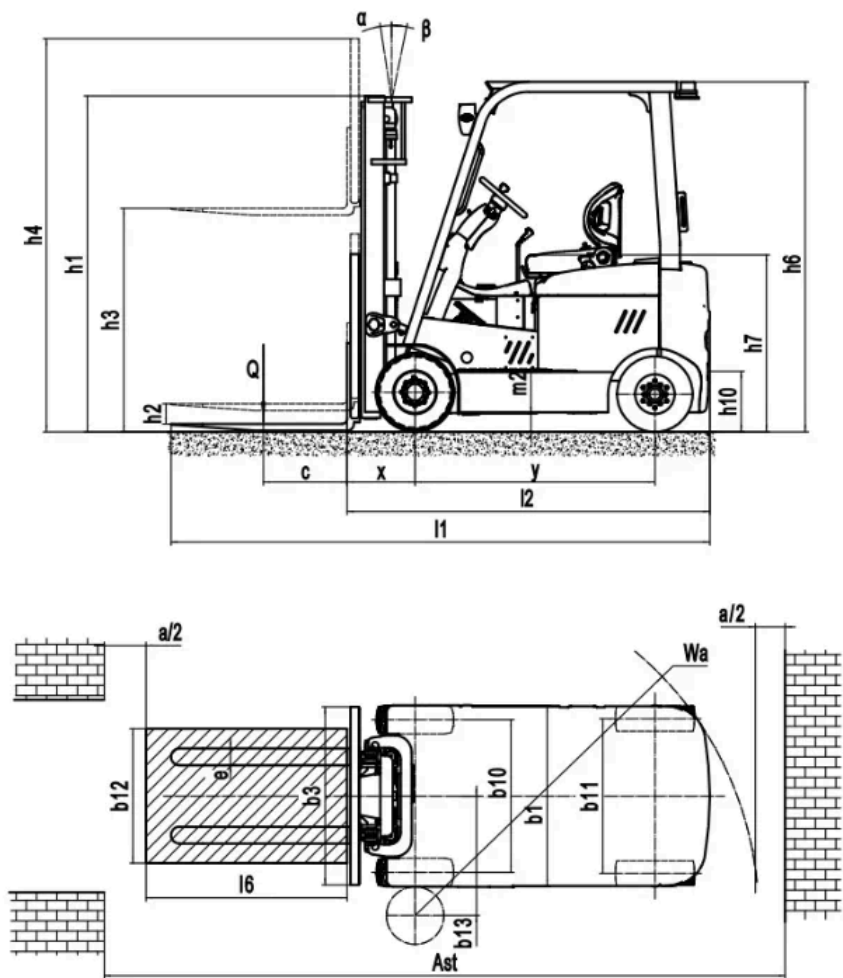
Due to the completely redesigned chassis, the L1 forklift comes with the largest legroom in the industry, eliminating a key traditional disadvantage associated with electric forklift trucks. Due to the compact battery, drivers have more than sufficient space for their legs, improving operator comfort when working in long shifts.

VDI Chart

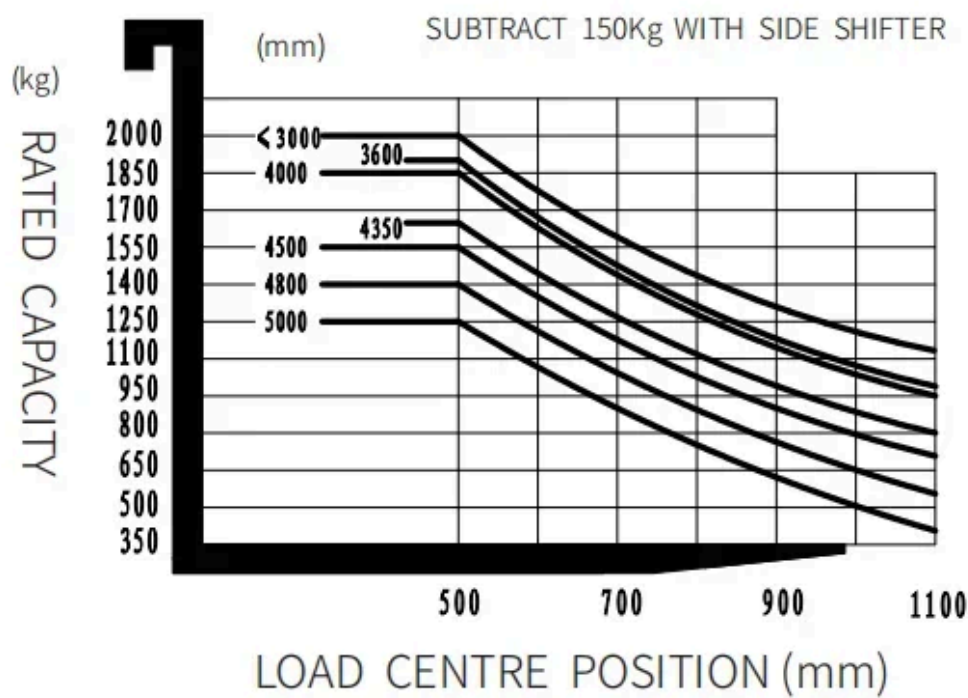
SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			CPD20L1
1.3	Drive			Electric
1.4	Operator type			Seated
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	405
1.9	Wheelbase	y	mm	1470
2.1	Service weight		kg	2950
2.2	Axle loading, laden front/rear		kg	4380/570
2.3	Axle loading, unladen front/rear		kg	1155/1795
3.1	Tyres			Solid rubber
3.2	Tyre size, front		mm	200/50-10
3.3	Tyre size, rear		mm	5.00-8
3.5	Wheels, number front/rear (x=drive wheels)			2x/2
3.6	Tread width, front	b ₁₀	mm	910
3.7	Tread width, rear	b ₁₁	mm	920
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/11

SPECIFICATION		REF	UNIT	VALUE
4.2	Height, mast lowered	h_1	mm	1990
4.3	Free lift	h_2	mm	105
4.4	Lift	h_3	mm	3000
4.5	Height, mast extended	h_4	mm	4028
4.7	Height of overhead guard (cabin)	h_6	mm	2080
4.8	Seat height relating to SIP/stand height	h_7	mm	1050
4.12	Coupling height	h_{10}	mm	360
4.19	Overall length	l_1	mm	3270
4.20	Length to face of forks	l_2	mm	2200
4.21	Overall width	b_1/b_2	mm	1080
4.22	Fork dimensions	s/e/l	mm	40×100×1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width	b_3	mm	1040
4.31	Ground clearance, laden, below mast	m_1	mm	110
4.32	Ground clearance, centre of wheelbase	m_2	mm	105
4.34.1	Aisle width for pallets 1000×1200 crossways	A_{st}	mm	3685
4.34.2	Aisle width for pallets 800 × 1200 lengthways	A_{st}	mm	3885
4.35	Turning radius	W_a	mm	2080
5.1	Travel speed, laden/unladen		km/h	10.5/14
5.2	Lift speed, laden/unladen		m/s	0.28/ 0.42
5.3	Lowering speed, laden/unladen		m/s	0.43/0.45
5.8	Max. gradeability, laden/unladen		%	10.5/14
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	6
6.2	Lift motor rating at S3 15%		kW	7.5
6.4.1	Battery voltage		V	48
6.4.2	Battery nominal capacity K5		Ah	280
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	190
8.1	Type of drive unit			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	70

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.



RATED CAPACITIES AND LOAD CENTERES GRAPH



Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
2-Standard Mast	2700	1840	3185	3728	105	105
2-Standard Mast	3000	1990	3485	4028	105	105
2-Standard Mast	3300	2140	3785	4328	105	105
2-Standard Mast	3600	2290	4085	4628	105	105
2-Free Mast	3000	2023	3485	4028	1538	995
2-Free Mast	3300	2173	3785	4328	1688	1145
2-Free Mast	3600	2323	4085	4628	1838	1295
3-Free Mast	4000	1845	4485	5028	1360	817
3-Free Mast	4350	1995	4844	5378	1501	967
3-Free Mast	4500	2045	4994	5528	1551	1017

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
3-Free Mast	4800	2145	5294	5828	1651	1117
3-Free Mast	5000	2210	5494	6028	1716	1182

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	122*40*920 122*40*1070 122*40*1150 122*40*1220 122*40*1370 122*40*1500 122*40*1600 122*40*1700 122*40*1820
Leg width	1040mm Yes and can be customized
Fork lowered height	1010mm Yes and can be customized
Front wheel material	Solid Non-marking solid
Rear wheel material	Solid Non-marking solid
Battery capacity	48V280Ah 48V405Ah
Charger	48V100A 48V150A
Battery indicator	with hourmeter
Seat type	Premium Suspension Suspension+Seatbelt logic switch Suspension seat with armrest (KL01)
Attachments	No Built-in sideshifter External shifter Fork positioner
Traction pin	Yes
Front lamp	LED
Rear lamp	No LED
Warning lamp	Yes
Blue lamp	No 2 front 1 rear 2 front + 1 rear
Area warning lamp	No Red, 1 left + 1 right
Rearview mirror	1 rearview mirror Add one on both sides
Buzzer	Yes
OPS system	No Yes and can be customized
USB interface	Yes
Telematics	No Yes and can be customized
USB outlet	Yes

ITEM	OPTIONS (optional items marked in yellow)
Battery side pull function	No Yes and can be customized
Cabin	No Basic semi-enclosed cabin Upgrade semi-enclosed cabin Full cabin
Anti-static chain	Yes
Turn signal light	Yes