

CPD15L1

ELECTRIC COUNTERBALANCE FORKLIFT TRUCK 1.5T

 1500 kg  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
Battery type			Li-Ion
Battery nominal capacity K5		Ah	280
Battery voltage		V	48
Rated capacity	Q	kg	1500
Load centre distance	c	mm	500
Service weight		kg	2640
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
Manufacturer			EP
Model designation			CPD15L1

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.



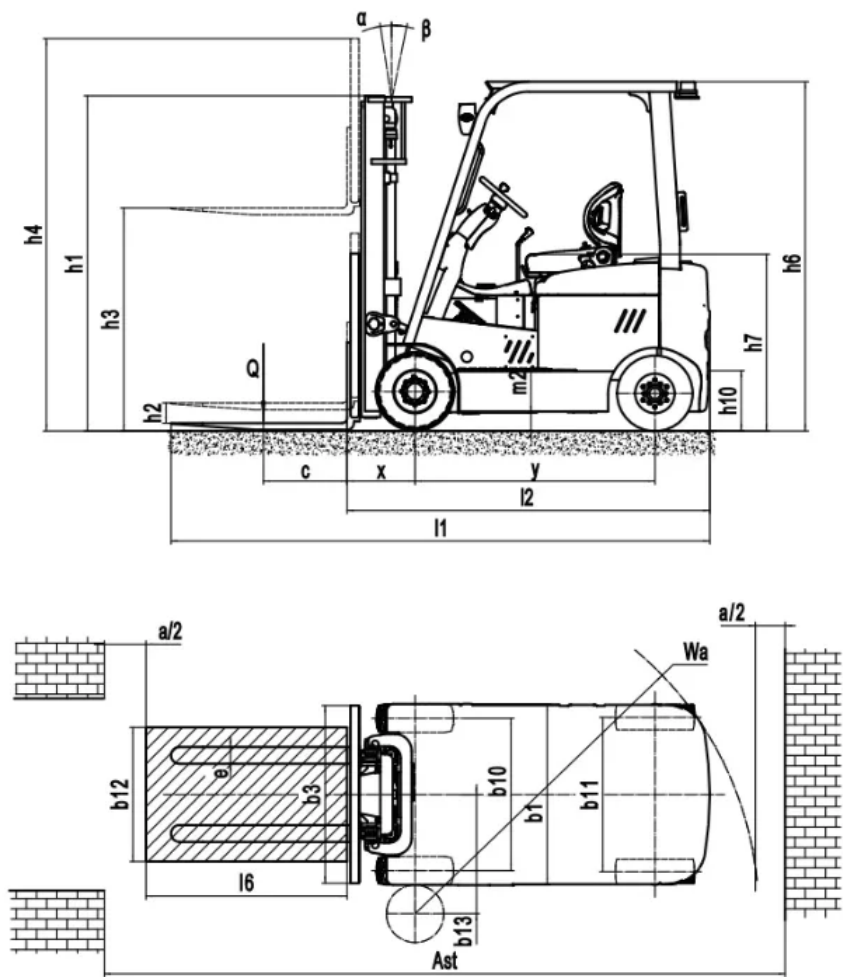
VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			CPD15L1
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	1500
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

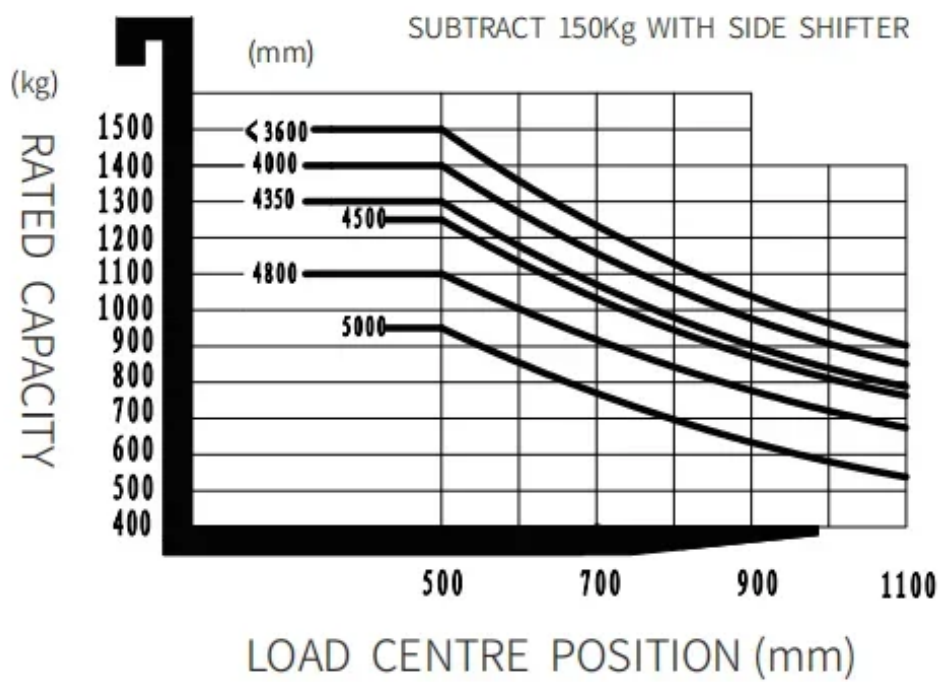
	SPECIFICATION	REF	UNIT	VALUE
2.1	Service weight		kg	2640
2.2	Axle loading, laden front/rear		kg	3615/525
2.3	Axle loading, unladen front/rear		kg	1190/1450
3.1	Tyres			Solid rubber
3.2	Tyre size, front		mm	18X7-8
3.3	Tyre size, rear		mm	5.00-8
3.5	Wheels, number front/rear (x=drive wheels)			2x/2
3.6	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		°	6/11
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)		mm	2080
4.8	Seat height relating to SIP/stand height		mm	1050
4.12	Coupling height		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		mm	1040
4.31	Ground clearance, laden, below mast		mm	110
4.32	Ground clearance, centre of wheelbase	m ₂	mm	105
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3685
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3885
4.35	Turning radius	wa	mm	2080
5.1	Travel speed, laden/unladen		km/h	10.5/14
5.2	Lift speed, laden/unladen		m/s	0.3/0.42
5.3	Lowering speed, laden/unladen		m/s	0.42/0.45
5.8	Max. gradeability, laden/unladen		%	10.5/14
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic

	SPECIFICATION	REF	UNIT	VALUE
6.1	Drive motor rating S2 60 min		kW	6
6.2	Lift motor rating at S3 15%		kW	7.5
6.4	Battery nominal capacity K5		Ah	280
6.4	Battery voltage		V	48
6.4.1	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

VDI Drawing



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
3-Free Mast	4800	2145	5294	5828	1651	1117

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	5000	2210	5494	6028	1716	1182

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	100*40*920 100*40*1070 100*40*1150 100*40*1220 100*40*1370 100*40*1520 100*40*1800
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 48V205Ah
Charger	48V100A 48V150A
Battery display indicator (BDI)	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
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

ITEM	OPTIONS (optional items marked in yellow)
Turn signal light	Yes