



# CPD15L1

## ELECTRIC COUNTERBALANCE FORKLIFT TRUCK 1.5T

1500 kg 3000 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		Ah	280
Battery voltage		V	48
Load capacity	Q	kg	1500
Load centre distance	c	mm	500
Service weight		kg	2640
Retracted mast height	$h_1$	mm	1990
Lift height	$h_3$	mm	3000
Height, mast extended	$h_4$	mm	4028
Overall length		mm	3270
Overall width	$b_1/b_2$	mm	1080
Length to face of forks	l <sub>2</sub>	mm	2200
Fork dimensions	s/e/l	mm	40×100×1070
Turning radius		Wa	2080
Operator type			Seated
Load distance, centre of drive axle to fork		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.



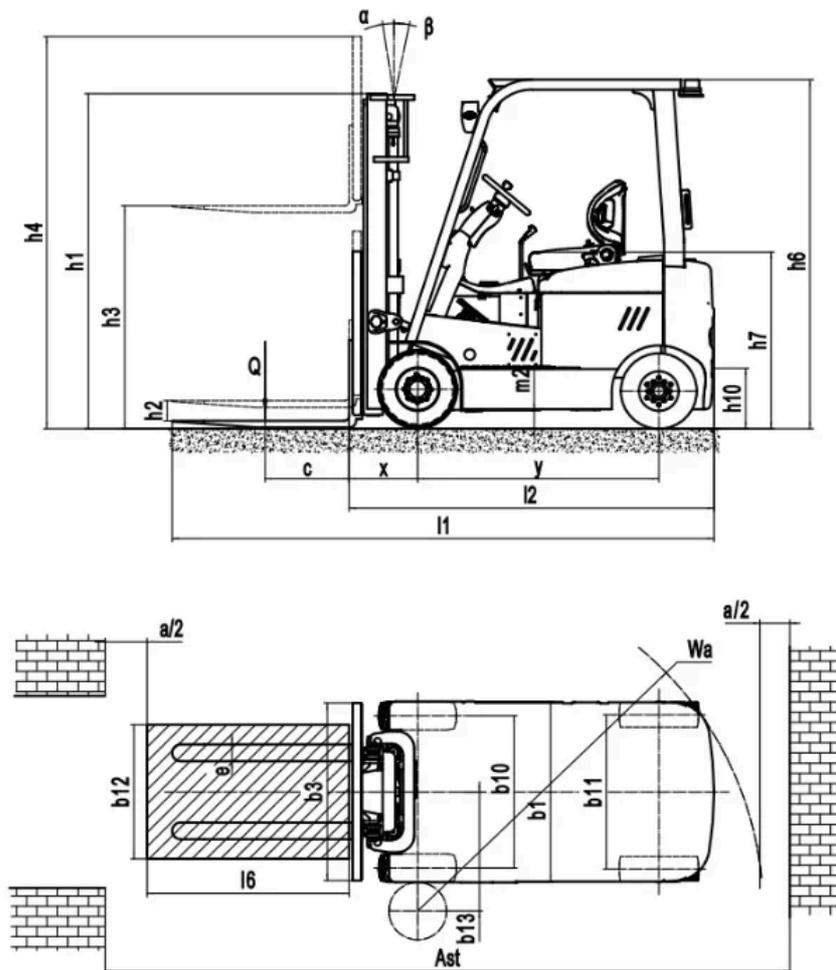
## VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	1500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork		mm	405
1.9	Wheelbase		mm	1470
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

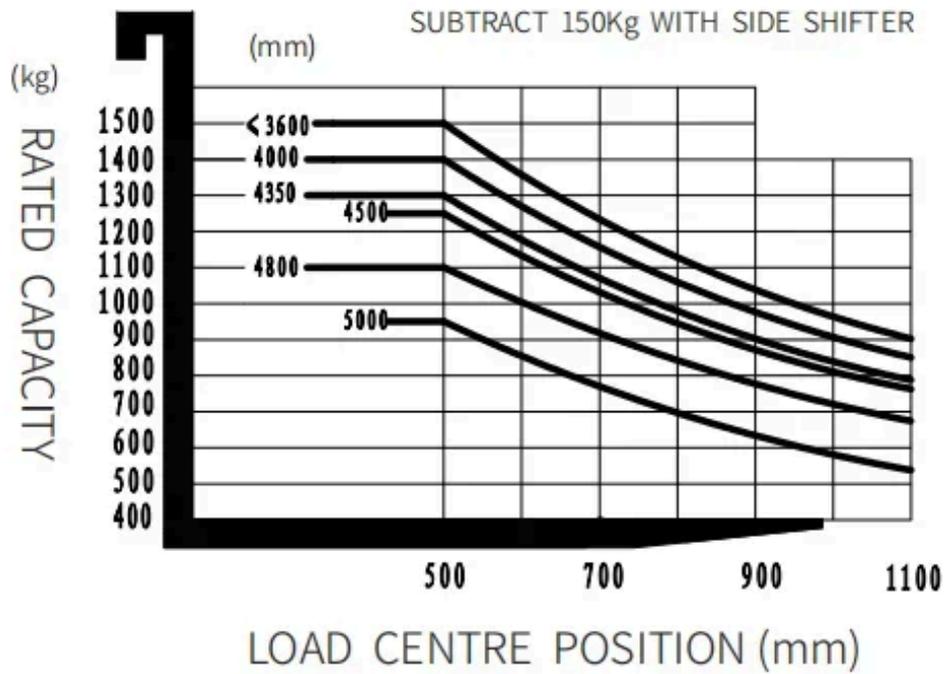
SPECIFICATION		REF	UNIT	VALUE
3.1	Tyre type			Solid rubber
3.2	Tyre size, front			18X7-8
3.3	Tyre size, rear			5.00-8
3.5	Wheels, number front/rear (x=drive wheels)			2x/2
3.6	Tread width, front	b <sub>10</sub>	mm	910
3.7	Tread width, rear	b <sub>11</sub>	mm	920
4.1	Tilt of mast/fork carriage forward/backward		°	6/11
4.12	Tow coupling height		mm	360
4.19	Overall length		mm	3270
4.2	Retracted mast height	h <sub>1</sub>	mm	1990
4.20	Length to face of forks	l <sub>2</sub>	mm	2200
4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	1080
4.22	Fork dimensions	s/e/l	mm	40×100×1070
4.23	A,B Fork carriage class/type A, B			2A
4.24	Fork carriage width		mm	1040
4.3	Free lift		mm	105
4.31	Ground clearance, laden, below mast		mm	110
4.32	Ground clearance, centre of wheelbase		mm	105
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	3685
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	3885
4.35	Turning radius		Wa	2080
4.4	Lift height	h <sub>3</sub>	mm	3000
4.4.1	Max lift height		mm	5000
4.5	Height, mast extended	h <sub>4</sub>	mm	4028
4.7	Height of overhead guard (cabin)		mm	2080
4.8	Seat height/standing height		mm	1050
5.1	Travel speed, laden/unladen		km/h	10.5/14
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
5.2	Lifting 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
6.1	Drive motor rating S2 60 min		kW	6
6.2	Lift motor rating at S3 15%		kW	7.5

	SPECIFICATION	REF	UNIT	VALUE
6.4	Battery nominal capacity		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 control			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the drivers ear		dB(A)	70

## VDI Drawing



## RATED CAPACITIES AND LOAD CENTERS 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
Seat type	Premium   Suspension   Suspension+Seatbelt logic switch   Suspension seat with armrest (KL01)
Attachments	No   Built-in sidsifter   External shifter   Fork positioner
Traction pin	Yes
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
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
Front lamp	LED
Rear lamp	No   LED
Warning lamp	Yes
Blue lamp	No   2 front   1 rear   2 front + 1 rear
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