



# CPD20FVL

## LI-ION 4-WHEEL DUAL DRIVE COUNTERBALANCE FORKLIFT

2000 kg 6000 mm 80 V Li-Ion



This electric forklift truck is ideal for a broad range of transport and storage tasks across industries, especially for narrow aisles in manufacturing facilities and warehouses.

The fast acceleration and powerful dual drive also allows for long-distance transportation.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity		Ah	80V/205
Battery voltage		V	80
Load capacity	Q	kg	2000
Load centre distance	c	mm	500
Service weight		kg	3270
Retracted mast height	$h_1$	mm	2075
Height, mast extended	$h_4$	mm	4055
Overall length		mm	3070
Overall width	$b_1/b_2$	mm	1170
Length to face of forks	l2	mm	2150
Fork dimensions	s/e/l	mm	122X40
Turning radius		Wa	1730
Manufacturer			EP
Model designation			CPD20FVL
Drive			Electric

# Features

## Dual drive motors for powerful performance

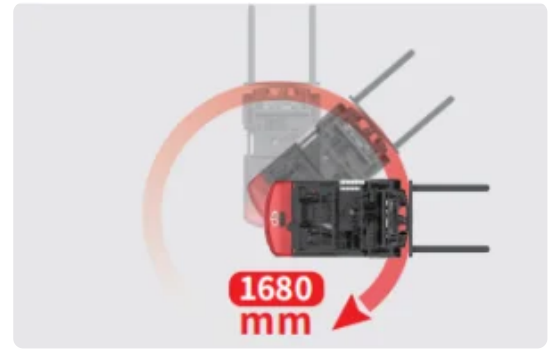
The FVL series is equipped with 80V 2\*5.0kW dual drive motors and able to accelerate super fast, which contributes strong drive power to facilitate a productive operational environment.

## Lithium technology with integrated charger

The FVL series is fully designed around the advantages of lithium technology, equipped with 80V/205Ah Li-ion battery and 80V/35A integrated charger as standard. It fits in multiple-shift operation thanks to opportunity charging and the absolutely maintenance free battery.

## Compact size for maneuvering with ease

The compact FVL series features a small turning radius of 1680mm allows for great maneuverability in confined space.



## Enhanced mast with optimal visibility and stability

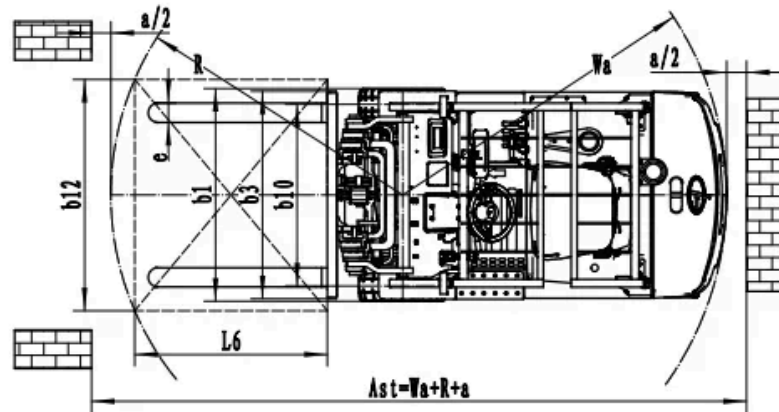
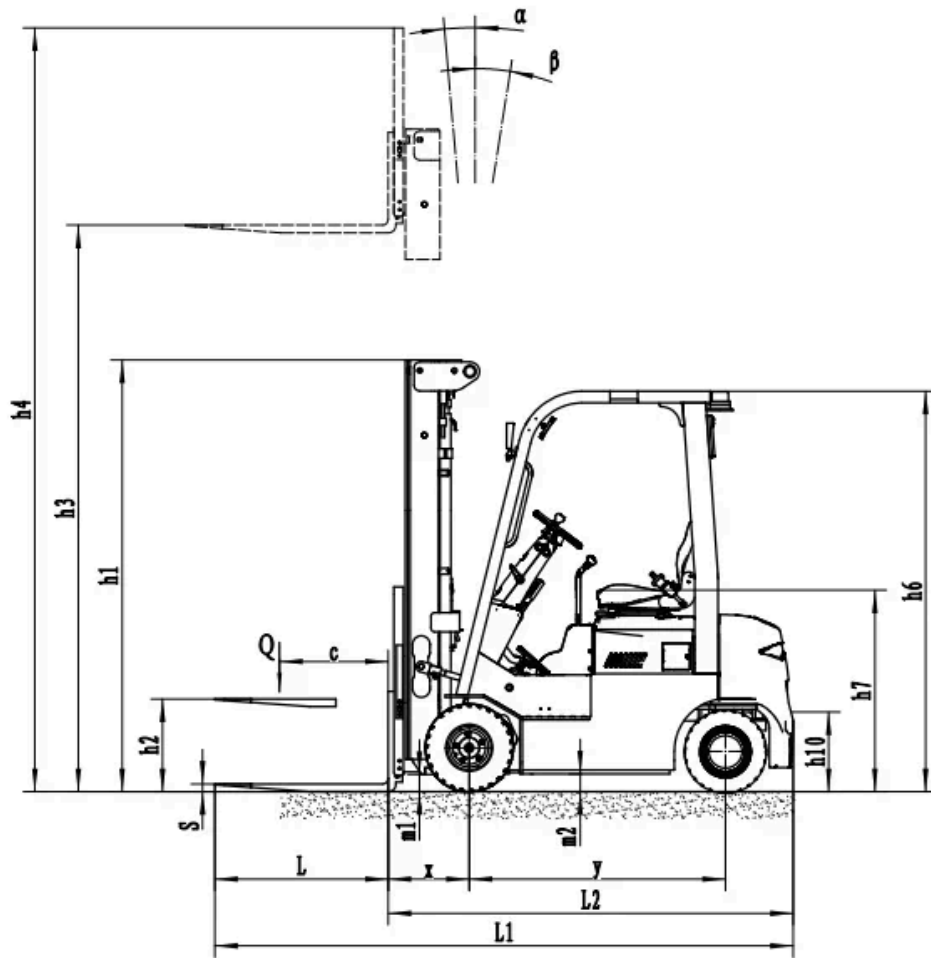
The FVL series adopts the same high-strengthened mast as CPD20L2, offering the best all-around visibility and great stability with less wobbling even when fully loaded.

## VDI Chart

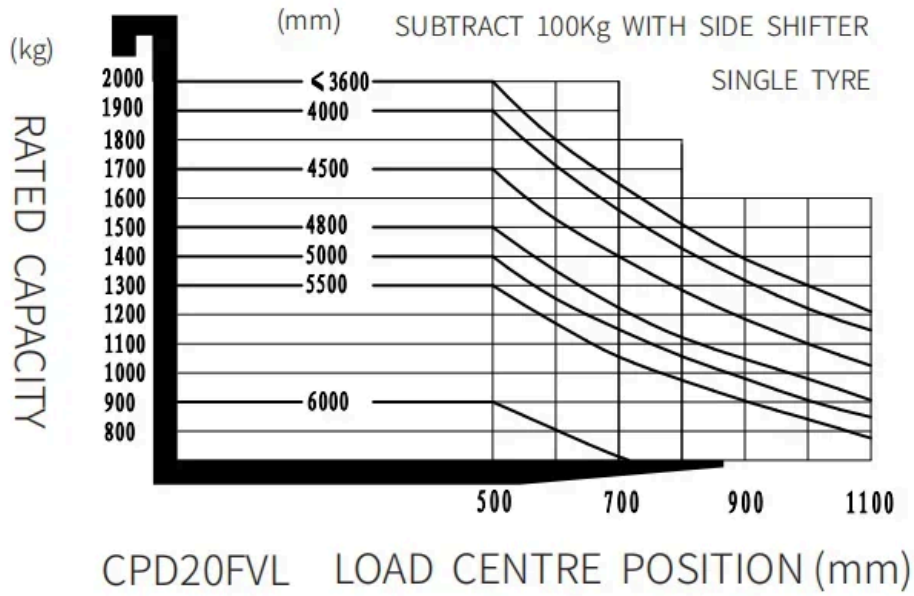
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			CPD20FVL
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	2000

SPECIFICATION		REF	UNIT	VALUE
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork		mm	420
1.9	Wheelbase		mm	1330
2.1	Service weight		kg	3270
2.2	Axle loading, laden front/rear		kg	4646/624
2.3	Axle loading, unladen front/rear		kg	1260/2010
3.1	Tyre type			Solidrubber
3.2	Tyre size, front		mm	200/50-10
3.3	Tyre size, rear		mm	16X6-8
3.5	Wheels, number front/rear (x=drive wheels)			2X/2
3.6.1	Tread width, front	$b_{10}$	mm	969
3.7.1	Tread width, rear	$b_{11}$	mm	890
4.0	Max lift height	H	mm	6000
4.1	Tilt of mast/fork carriage forward/backward		°	6/6
4.12	Tow coupling height		mm	600
4.19	Overall length		mm	3070
4.2	Retracted mast height	$h_1$	mm	2075
4.20	Length to face of forks	l2	mm	2150
4.21	Overall width	$b_1/b_2$	mm	1170
4.22	Fork dimensions	s/e/l	mm	122X40
4.23	A,B Fork carriage class/type A, B			2A
4.24	Fork carriage width		mm	1040
4.3	Free lift		mm	100
4.31	Ground clearance, laden, below mast		mm	89
4.32	Ground clearance, centre of wheelbase		mm	92
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	3472
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	3598
4.35	Turning radius		Wa	1730
4.5	Height, mast extended	$h_4$	mm	4055
4.7	Height of overhead guard (cabin)		mm	2078
4.8	Seat height/standing height		mm	1050
5.1	Travel speed, laden/unladen		km/h	13/14
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
5.2	Lifting speed, laden/unladen		m/s	0.33/0.45

	SPECIFICATION	REF	UNIT	VALUE
5.3	Lowering speed, laden/unladen		m/s	0.4/0.44
5.8	Max. gradeability, laden/unladen		%	10/15
6.1	Drive motor rating S2 60 min		kW	5.0X2
6.2	Lift motor rating at S3 15%		kW	11
6.4	Battery nominal capacity		Ah	80V/205
6.4	Battery voltage		V	80
6.4.1	Battery type			Li-Ion
8.1	Type of drive control			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the drivers ear		dB(A)	70



## 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	3000	2075	3740	4055	100	100
2-Standard Mast	3600	2375	4340	4655	100	100
2-Standard Mast	4000	2455	4740	5055	100	100
3-Free Mast	4500	2140	5240	5555	1430	1115
3-Free Mast	4800	2240	5540	5855	1530	1215
3-Free Mast	5000	2305	5740	6055	1595	1280
3-Free Mast	5500	2475	6240	6555	1765	1450
3-Free Mast	6000	2690	6740	7055	1980	1665
2-Free Mast	3000	2075	3740	4055	1365	1050
2-Free Mast	3300	2225	4040	4355	1515	1200
2-Free Mast	3600	2375	4340	4655	1665	1350

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-Free Mast	4000	2625	4840	5155	1915	1600

## Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	122*40*1070   122*40*920   122*40*1150   122*40*1220   122*40*1370   122*40*1500   122*40*1600   122*40*1700   122*40*1820   122*40*1900   122*40*2000   122*40*2200
Leg width	1040mm   Yes and can be customized
Fork carriage width option	1067mm (42in)   1220mm (48in)   1520mm (60in)   Yes and can be customized
Seat type	Regular   Premium   Suspension   Suspension+seatbelt logic switch
Attachments	No   Built-in sideshifter   External shifter   Fork positioner
Traction pin	Yes
Drive wheel material	Solid   Non-marking solid
Front wheel material	Solid   Non-marking solid
Rear wheel material	Solid   Non-marking solid
Battery capacity	205Ah   150Ah   280Ah
Charger	80V-35A single-phase integrated   80V-60A 3-phase integrated   80V-35A single-phase external   80V-65A 3-phase external   80V-100A 3-phase external
Battery display indicator (BDI)	with hourmeter
Area warning lamp	No   1 left + 1 right (Red)
Rearview mirror	1 in the middle   Add 1 rearview mirror on both sides
Buzzer	Yes
OPS system	Yes
Front lamp	LED
Rear lamp	No   LED
Warning lamp	Yes
Blue lamp	No   2 front   1 rear   2 front+1 rear
Anti-static chain	Yes
Turn signal light	Yes