



# CPD18FVL

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

1800 kg 6000 mm Li-Ion



This electric forklift truck is ideal for a wide range of transport and storage tasks across industries, particularly in narrow aisles in manufacturing facilities and warehouses. The fast acceleration and powerful dual drive also allow long-distance transportation.

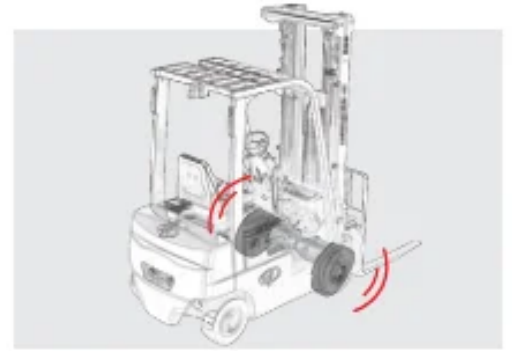
SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity		Ah	80V/205
Load capacity	Q	kg	1800
Load centre distance	c	mm	500
Service weight		kg	3160
Retracted mast height	$h_1$	mm	2075
Lift height	$h_3$	mm	3000
Height, mast extended	$h_4$	mm	4055
Overall length		mm	3020
Overall width	$b_1/b_2$	mm	1070
Length to face of forks	l <sub>2</sub>	mm	2100
Fork dimensions	s/e/l	mm	100X40X920
Turning radius		Wa	1680
Manufacturer			EP
Model designation			CPD18FVL
Drive			Electric

# Features

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## Dual drive motors for powerful performance

The FVL series is equipped with 80V 2\*5.0kW dual drive motors and can accelerate very quickly, providing strong drive power to support a productive operational environment.

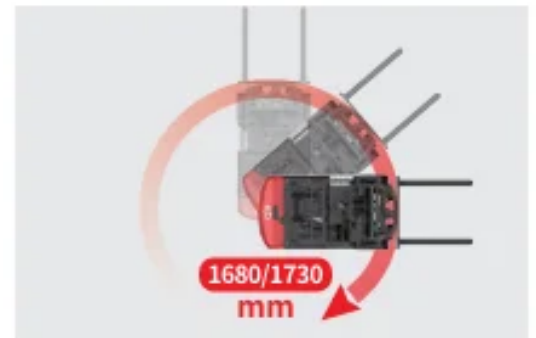


## Lithium technology with integrated charger

The FVL series is designed around the advantages of lithium technology, equipped with an 80V/205Ah Li-ion battery and an 80V/35A integrated charger as standard. It is suitable for multi-shift operation thanks to opportunity charging and a completely maintenance-free battery.

## Compact size for manoeuvring with ease

The compact FVL series features a small turning radius, 1680mm for the CPD18FVL and xx mm for the CPD20FVL, and allows excellent manoeuvrability in confined spaces.



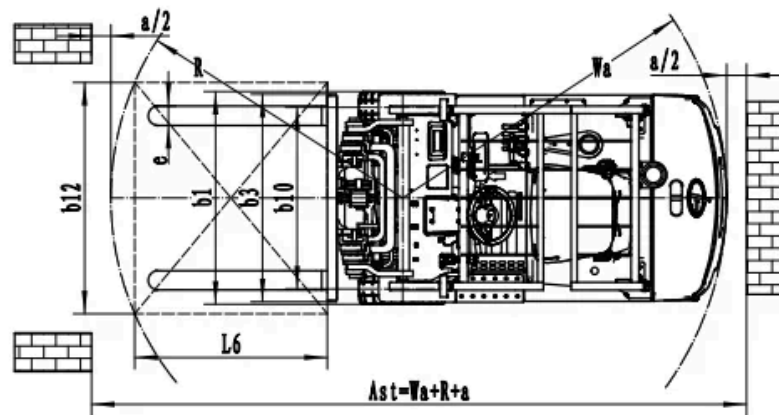
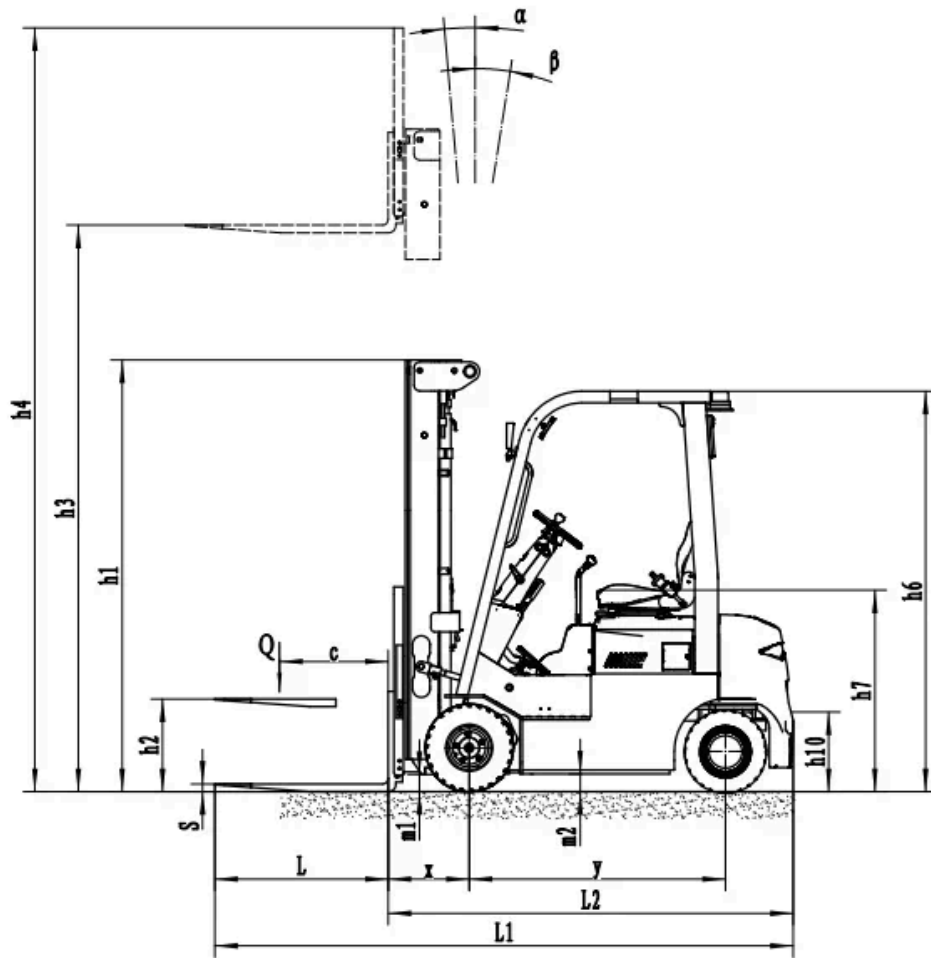
## Enhanced Mast with Optimal Visibility and Stability

The FVL series uses the same high-strength mast as the CPD20L2, offering excellent all-round visibility and great stability with reduced wobble even when fully loaded.

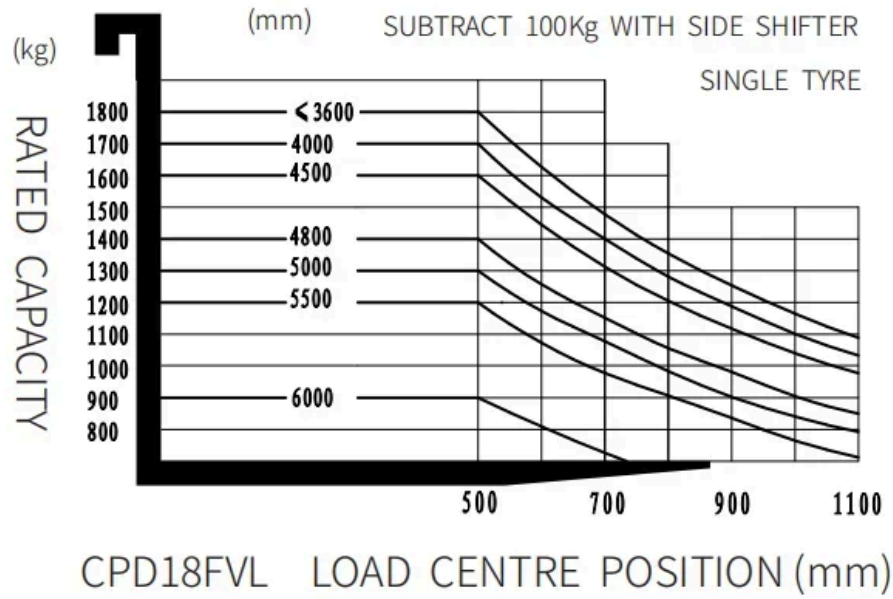
# VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			CPD18FVL
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	1800
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	3160
2.2	Axle loading, laden front/rear		kg	4319/641
2.3	Axle loading, unladen front/rear		kg	1272/1888
3.1	Tyre type			Solidrubber
3.2	Tyre size, front		mm	18X7-8
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 <sub>10</sub>	mm	943
3.7.1	Tread width, rear	b <sub>11</sub>	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	3020
4.2	Retracted mast height	h <sub>1</sub>	mm	2075
4.20	Length to face of forks	l <sub>2</sub>	mm	2100
4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	1070
4.22	Fork dimensions	s/e/l	mm	100X40X920
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	3422
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	3548

SPECIFICATION		REF	UNIT	VALUE
4.35	Turning radius		Wa	1680
4.4	Lift height	h <sub>3</sub>	mm	3000
4.5	Height, mast extended	h <sub>4</sub>	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
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
6.4.1	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

# Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	100*40*920   100*40*1070   100*40*1100   100*40*1150   100*40*1220   100*40*1370   100*40*1520   100*40*1800
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 sidershifter   External shifter   Fork positioner
Traction pin	Yes
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
Telematics	No   Yes and not customized
Front lamp	LED
Rear lamp	No   LED
Warning lamp	Yes
Blue lamp	No   2 front   1 rear   2 front + 1 rear
Cabin	No   Basic semi-enclosed cabin   Upgrade semi-enclosed cabin   Full cabin
Anti-static chain	Yes
Turn signal light	Yes