

CPD18FVL

LI-ION 4-WHEEL DUAL DRIVE COUNTERBALANCE FORKLIFT

 1800 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.

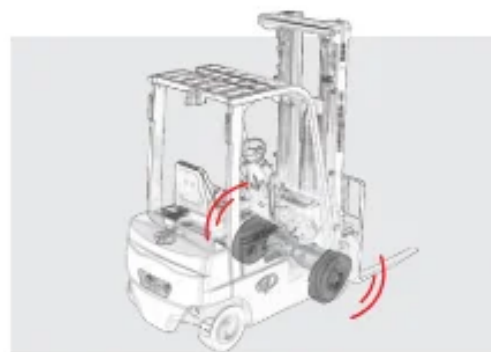
The fast acceleration and powerful dual drive also allows for long-distance transportation.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity K5		Ah	205
Battery voltage		V	80
Rated capacity	Q	kg	1800
Load centre distance	c	mm	500
Service weight		kg	3160
Height, mast lowered	h_1	mm	2075
Lift	h_3	mm	3000
Height, mast extended	h_4	mm	4055
Overall length	l_1	mm	3020
Overall width	b_1/b_2	mm	1100
Length to face of forks	l_2	mm	2100
Fork dimensions	s/e/l	mm	100X40X920
Turning radius	Wa	mm	1680
Manufacturer			EP
Model designation			CPD18FVL

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.

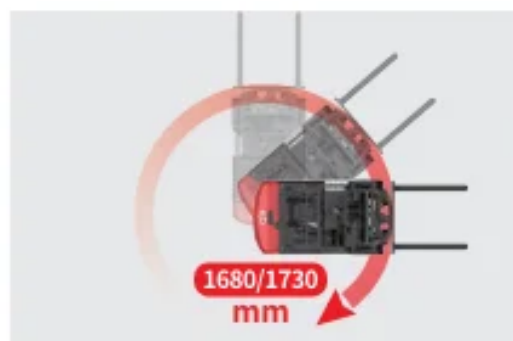


Lithium technology with integrated charger

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, 1680mm of the CPD18FVL and xx mm of the CPD20FVL, and allows for great maneuverability in confined space.



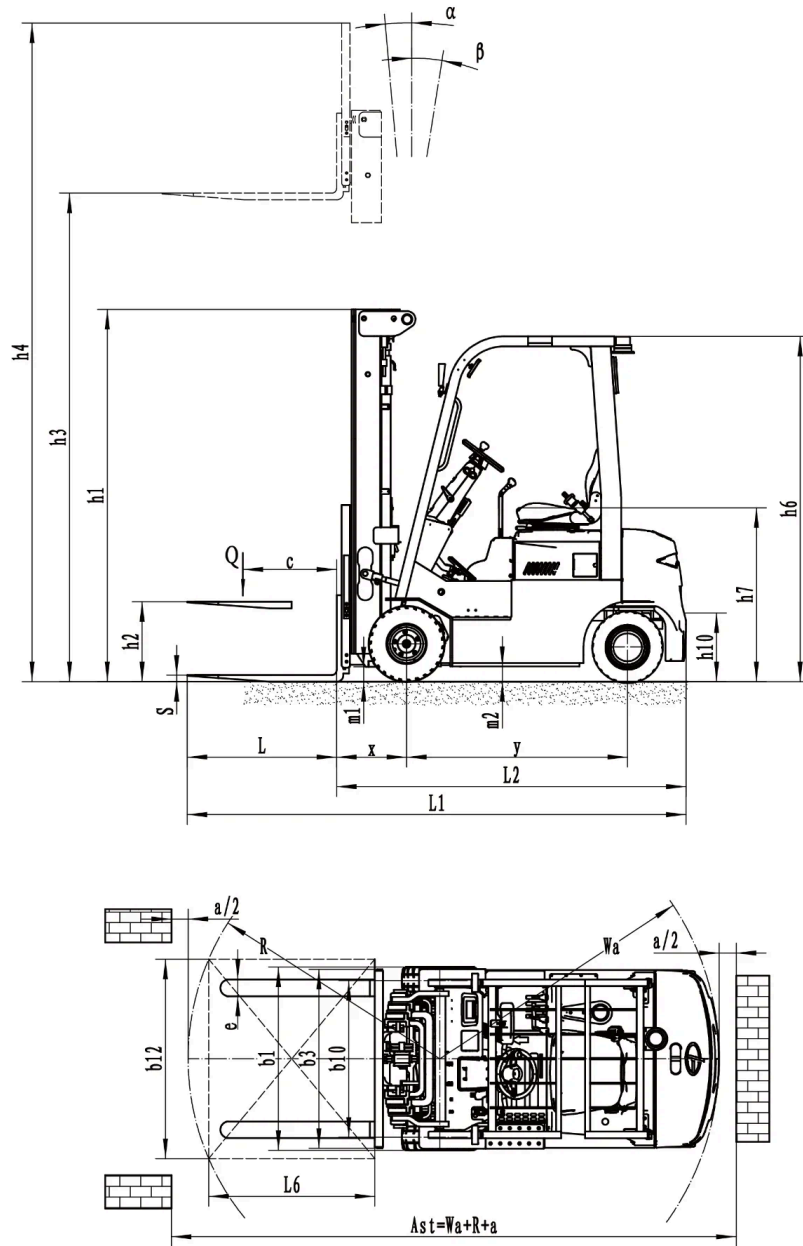
Enhanced Mast with Optimal Visibility and Stability

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

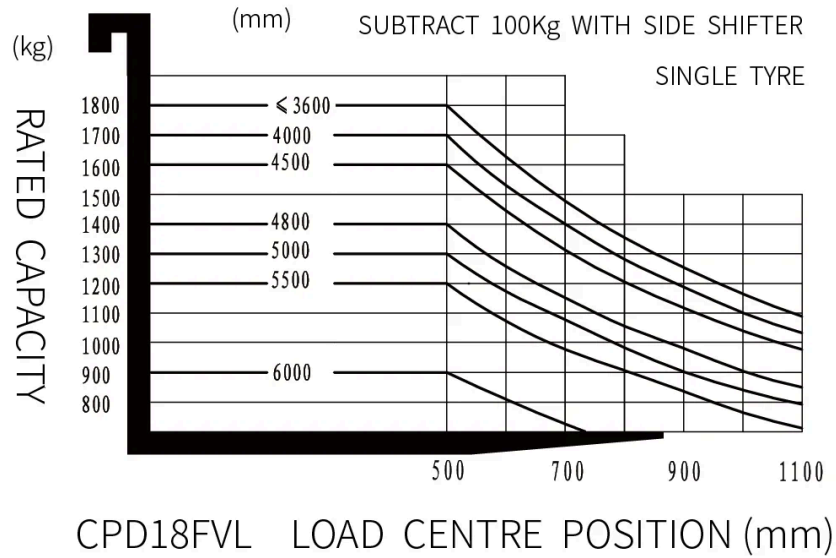
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			CPD18FVL
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	1800
1.5.1	Load capacity , load with mast lift	Q ₁	kg	180
1.5.2	Load capacity, load with support arm lift	Q ₂	kg	25
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	420
1.9	Wheelbase	y	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	Tyres			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	Tread width, front	b ₁₀	mm	943
3.7	Tread width, rear	b ₁₁	mm	890
4.1	Tilt of mast/fork carriage forward/backward		°	5/5
4.2	Height, mast lowered	h ₁	mm	2075
4.3	Free lift	h ₂	mm	100
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4055
4.7	Height of overhead guard (cabin)		mm	2078
4.8	Seat height relating to SIP/stand height		mm	1050
4.12	Coupling height		mm	600
4.19	Overall length	l ₁	mm	3020
4.20	Length to face of forks	l ₂	mm	2100
4.21	Overall width	b ₁ /b ₂	mm	1100
4.22	Fork dimensions	s/e/l	mm	100X40X920
4.23	Fork carriage ISO 2328, class/type A, B			2A

SPECIFICATION		REF	UNIT	VALUE
4.24	Fork carriage width		mm	1040
4.31	Ground clearance, laden, below mast		mm	89
4.32	Ground clearance, centre of wheelbase	m ₂	mm	92
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3422
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3548
4.35	Turning radius	Wa	mm	1680
5.1	Travel speed, laden/unladen		km/h	13/14
5.2	Lift 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
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
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 K5		Ah	205
6.4	Battery voltage		V	80
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	185
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



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
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
2-Free Mast	4000	2625	4840	5155	1915	1600
3-Free Mast	4000	1940	4740	5055	1230	915
3-Free Mast	4350	2090	5090	5405	1380	1065
3-Free Mast	4500	2140	5240	5555	1430	1115
3-Free Mast	4800	2240	5540	5855	1530	1215

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	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*1150 100*40*1200 100*40*1220 100*40*1370
Leg width	1040mm Yes and can be customized
Fork carriage width option	1067mm (42in) 1220mm (48in) 1520mm (60in) Yes and can be customized
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
Seat type	Regular Premium Suspension Suspension+seatbelt logic switch
Attachments	No Built-in sideshifter External shifter Fork positioner
Traction pin	Yes
Anti-static chain	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 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
Cabin	No Basic semi-enclosed cabin Upgrade semi-enclosed cabin Full cabin

ITEM	OPTIONS (optional items marked in yellow)
Anti-static chain	Yes
Turn signal light	Yes
Wiper water unit	No Yes, only with cabin and not customized