

CPD18TV8

ELECTRIC COLD STORAGE FORKLIFT 1.8T

 1800 kg  6000 mm  80 V Lead Acid/Li-ion



The CPD15/18/20TV8 is specifically engineered for frozen food warehouses, cold chain logistics, and refrigerated distribution centers. Its cold-resistant design and hydraulic systems maintain smooth performance at sub-zero temperatures, preventing condensation and corrosion. The solid tire configuration provides excellent stability on cold, slippery floors, while optional non-marking tires are available for hygiene-sensitive areas. It is the perfect solution for heavy-duty operations in chilled and frozen storage facilities.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			CPD18TV8
Battery voltage		V	80
Battery voltage/nominal capacity		V/Ah	80V/300Ah
Rated capacity	Q	kg	1800
Load centre distance	c	mm	500
Service weight		kg	3238
Height, mast lowered	h ₁	mm	2070
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4058
Overall length	l ₁	mm	3020
Overall width	b ₁ /b ₂	mm	1090
Length to face of forks	l ₂	mm	2100
Fork dimensions	s/e/l	mm	40x100x920
Turning radius	Wa	mm	1680
Drive			Electric

Features



Cold-resistant design

Built with cold-rated hydraulic oil, sealed wiring, and corrosion-resistant components, the CPD15/18/20TV8 maintains peak performance in cold storage environments down to -40°C.

Powerful 80V AC system

Equipped with an 80V/360Ah powertrain and dual 5 kW motors, the truck provides smooth acceleration, high lifting power, and long runtime with minimal maintenance requirements.

High stability and visibility

The truck’s low center of gravity, wide mast view, and overhead guard ensure stable, safe operation when handling heavy or stacked loads at height. LED lighting and optional area warning lamps improve safety in low-light conditions.



Customizable options for any operation

From mast heights up to 6.0 m to optional non-marking tires, fork positioners, and telematics, the CPD15/18/20TV8 adapts to the unique demands of different cold chain facilities.

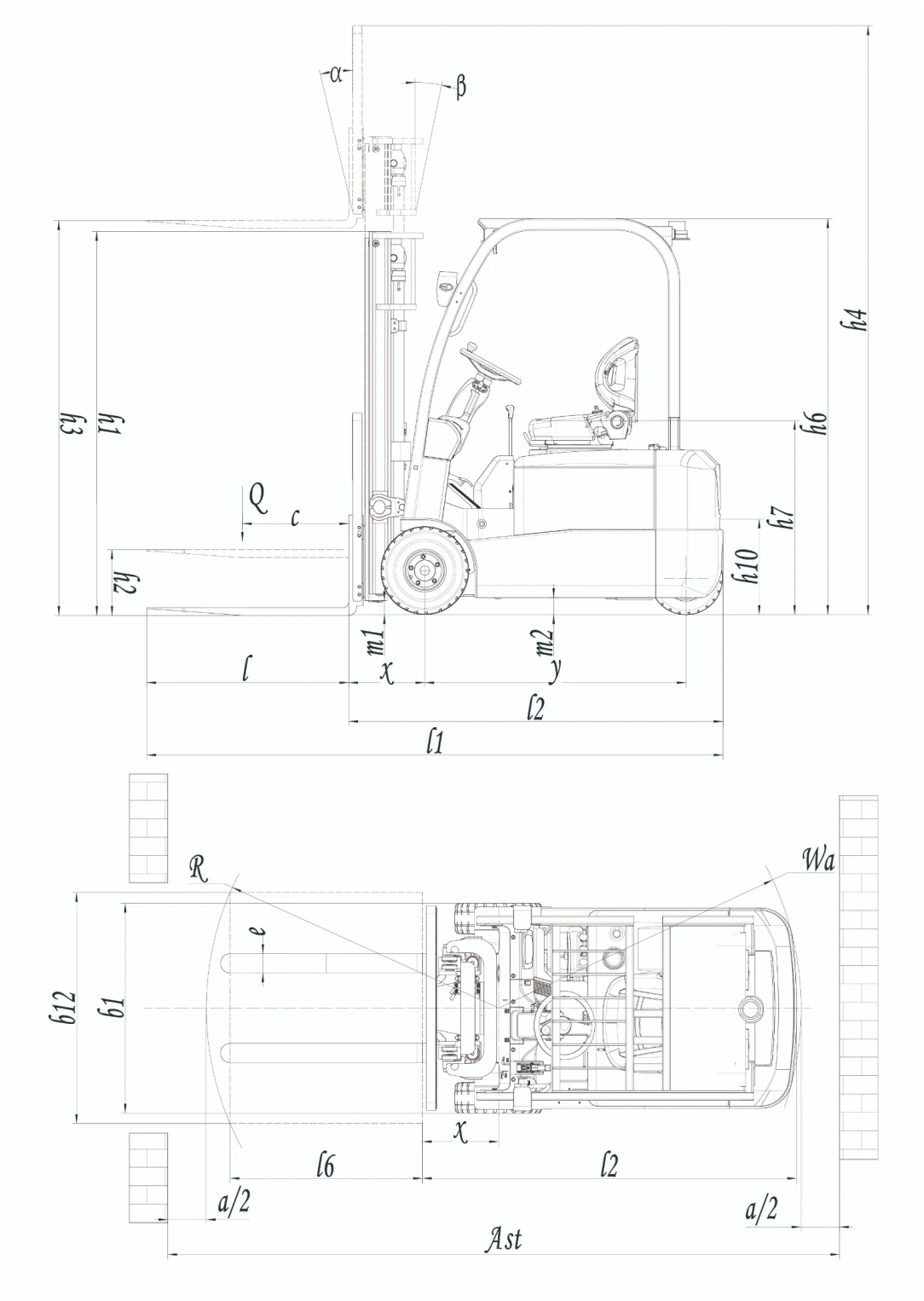
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			CPD18TV8

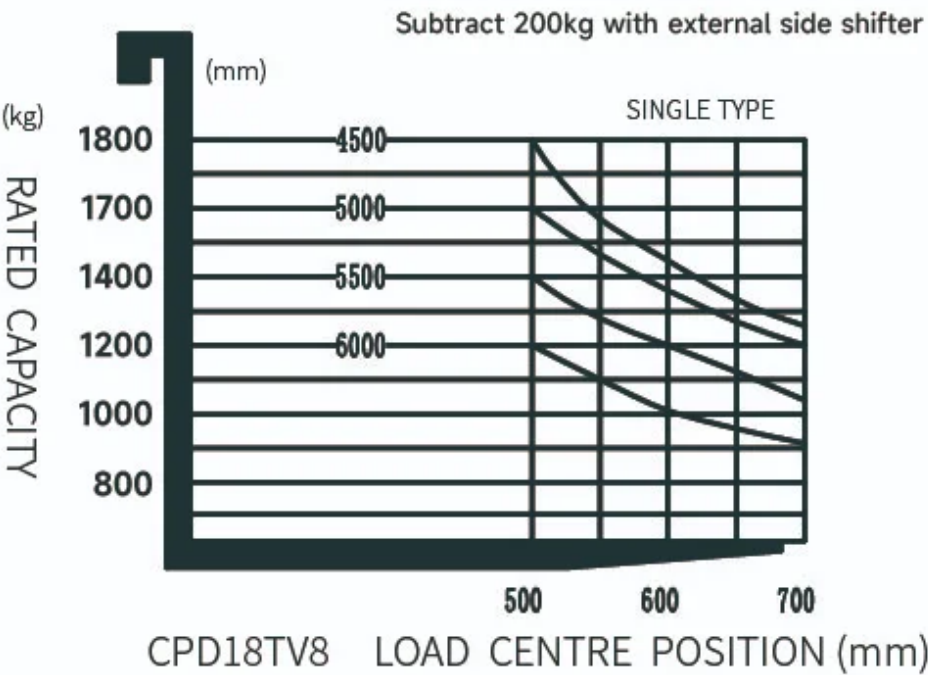
SPECIFICATION		REF	UNIT	VALUE
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	1800
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	402
1.9	Wheelbase	y	mm	1467
2.1	Service weight		kg	3238
2.2	Axle loading, laden front/rear		kg	4543/494
2.3	Axle loading, unladen front/rear		kg	1638/1599
3.1	Tyres			Solidrubber
3.2	Tyre size, front		mm	18X7-8
3.3	Tyre size, rear		mm	15X4.5-8
3.5	Wheels, number front/rear (x=drive wheels)			2X/2
3.6	Tread width, front	b ₁₀	mm	911
3.7	Tread width, rear	b ₁₁	mm	169
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/6
4.2	Height, mast lowered	h ₁	mm	2070
4.3	Free lift	h ₂	mm	100
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4058
4.7	Height of overhead guard (cabin)	h ₆	mm	2160
4.8	Seat height relating to SIP/stand height	h ₇	mm	1090
4.12	Coupling height	h ₁₀	mm	460
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	1090
4.22	Fork dimensions	s/e/l	mm	40x100x920
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	80
4.32	Ground clearance, centre of wheelbase	m ₂	mm	85
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3400
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3550
4.35	Turning radius	Wa	mm	1680

	SPECIFICATION	REF	UNIT	VALUE
5.1	Travel speed, laden/unladen		km/h	13/14
5.2	Lift speed, laden/unladen		m/s	0.26/0.43
5.3	Lowering speed, laden/unladen		m/s	0.44/0.435
5.6	Max. drawbar pull, laden/unladen		N	4640/320
5.8	Max. gradeability, laden/unladen		%	10.5/14.5
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	5x2
6.2	Lift motor rating at S3 15%		kW	11
6.4	Battery voltage/nominal capacity		V/Ah	80V/300Ah
6.4.1	Battery voltage		V	80
6.4.2	Battery nominal capacity K5		Ah	300 230
6.4.3	Battery type			Lead Acid/Li-ion
6.5	Battery weight		kg	815
8.1	Type of drive unit			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the driver's seat		dB(A)	74

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.



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-Wide Mast	2000	1570	2515	3058	100	100
2-Wide Mast	2500	1820	3015	3558	100	100
2-Wide Mast	2700	1920	3215	3758	100	100
2-Wide Mast	3000	2070	3515	4058	100	100
2-Wide Mast	3300	2220	3815	4358	100	100
2-Wide Mast	3500	2320	4015	4558	100	100
2-Wide Mast	3600	2370	4115	4658	100	100
2-Wide Mast	3700	2420	4215	4758	100	100
2-Wide Mast	4000	2620	4515	5058	100	100
2-Wide Mast	4300	2745	4815	5358	100	100

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-Wide Mast	4500	2870	5015	5558	100	100
3-Free Mast	3700	1835	4224	4758	1126	811
3-Free Mast	4000	1935	4524	5058	1226	911
3-Free Mast	4400	2085	4924	5458	1376	1061
3-Free Mast	4500	2135	5024	5558	1426	1111
3-Free Mast	4800	2235	5324	5858	1526	1211
3-Free Mast	5000	2300	5524	6058	1591	1276
3-Free Mast	5100	2335	5624	6158	1626	1311
3-Free Mast	5300	2400	5824	6358	1765	1450
3-Free Mast	5400	2435	5924	6458	1726	1411
3-Free Mast	5500	2470	6024	6558	1761	1446
3-Free Mast	6000	2685	6524	7058	1976	1661

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*1800
Fork carriage width option	1040mm Yes and can be customized
Fork carriage height	1067mm (42in) 1220mm (48in) 1520 (60in) Yes and can be customized
Front wheel material	Solid rubber Non-marking solid Liquid Gold Tire
Rear wheel material	Solid rubber Non-marking solid Liquid Gold Tire
Battery capacity	300Ah Lead-acid 360Ah Lead-acid 230Ah Li-ion 280Ah Li-ion 314Ah Li-ion 410Ah Li-ion 460Ah Li-ion
Charger	Standard:80V-45A Lead-acid Standard:80V-65A Li-ion 80V-100A Li-ion 80V-130A Li-ion 80V-200A Li-ion
Battery indicator	With hourmeter
Seat type	Comfortable Suspension KL01 with armrest regular
Attachments	No Built-in sidershifter External sidershifter Fork positioner

ITEM	OPTIONS (optional items marked in yellow)
Traction pin	Yes
Electrostatic chain	Yes
Front lamp	LED
Rear lamp	No LED
Warning lamp	Yes
Steering lamp	Yes
Blue lamp	No Front*2 Rear*1 Front*2+Rear*1
Area warning lamp	No Optional:red, with one on each side Red, one at the rear Red, one on each side and one at the rear
Rearview mirror	One in front Two on sides
Buzzer	Yes
OPS system	Yes
Telematics	No Yes and not customized
Cabin	No