

CPD15TV8

ELECTRIC COLD STORAGE FORKLIFT 1.5T

 1500 kg  6000 mm  48 V Lead Acid



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
Battery type			Lead Acid
Battery nominal capacity		Ah	400
Battery voltage		V	48
Load capacity	Q	kg	1500
Load centre distance	c	mm	500
Service weight		kg	3050
Retracted mast height	h ₁	mm	1990
Height, mast extended	h ₄	mm	4058
Overall length		mm	2765
Overall width	b ₁ /b ₂	mm	1090
Length to face of forks	l ₂	mm	1845
Fork dimensions	s/e/l	mm	40x100x920
Turning radius		Wa	1475
Operator type			Seated
Load distance, centre of drive axle to fork		mm	400
Wheelbase		mm	1258

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 -30°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

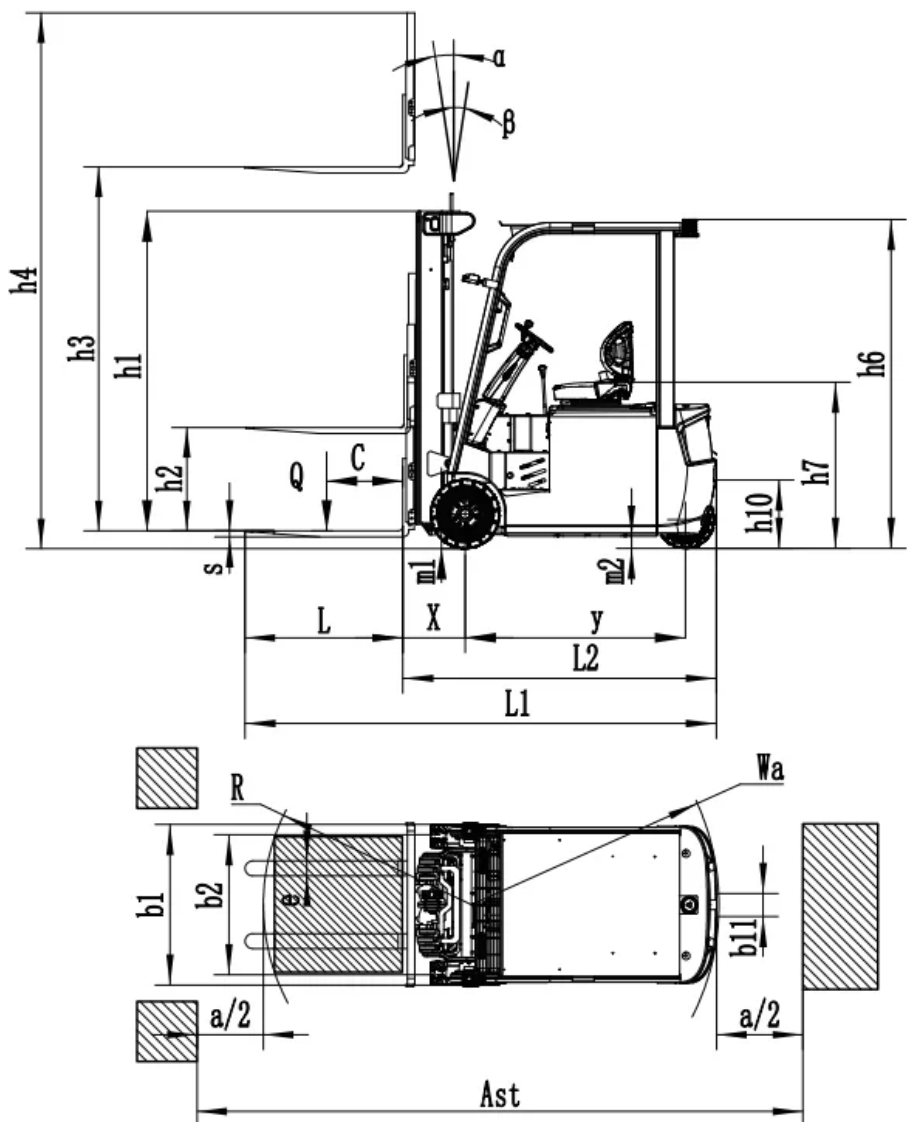
From mast heights up to 6.0 m to optional non-marking tires, fork positioners, and telematics, the CPD15/18/20TV8 adapts to the unique demands of different cold chain facilities.

VDI Chart

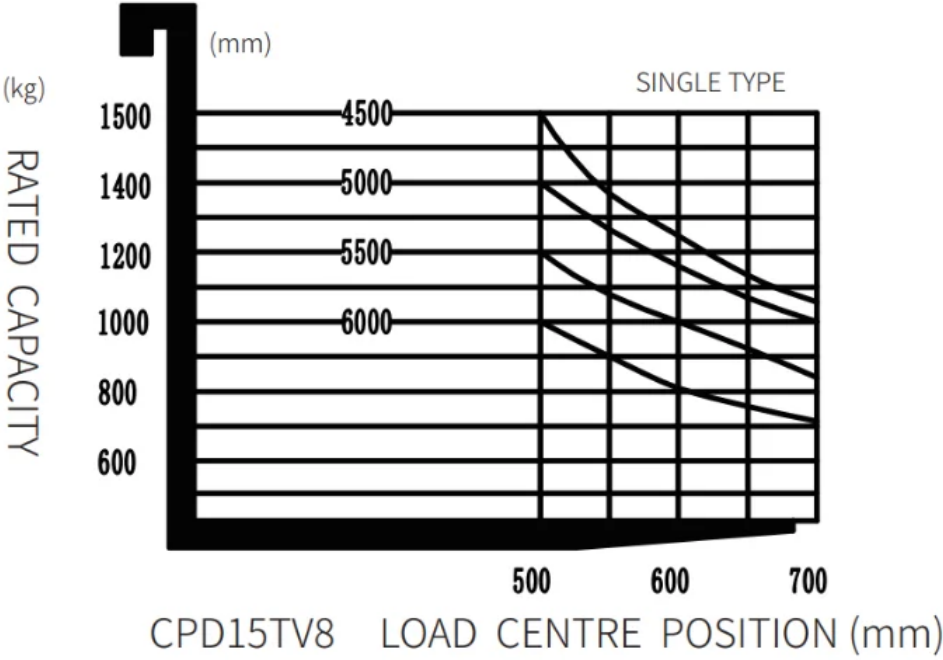
SPECIFICATION		REF	UNIT	VALUE
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	1500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork		mm	400
1.9	Wheelbase		mm	1258

SPECIFICATION		REF	UNIT	VALUE
2.1	Service weight		kg	3050
2.2	Axle loading, laden front/rear		kg	4215/335
2.3	Axle loading, unladen front/rear		kg	1570/1480
3.1	Tyre type			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
3.6.1	Tread width, front	b ₁₀	mm	902
3.7.1	Tread width, rear	b ₁₁	mm	175
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	475
4.19	Overall length		mm	2765
4.2	Retracted mast height	h ₁	mm	1990
4.20	Length to face of forks	l ₂	mm	1845
4.21	Overall width	b ₁ /b ₂	mm	1090
4.22	Fork dimensions	s/e/l	mm	40x100x920
4.23	A,B Fork carriage class/type A, B			2A
4.24	Fork carriage width		mm	1040
4.3	Free lift		mm	120
4.31	Ground clearance, laden, below mast		mm	108
4.32	Ground clearance, centre of wheelbase		mm	78
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	3195
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	3320
4.35	Turning radius		Wa	1475
4.5	Height, mast extended	h ₄	mm	4058
4.7	Height of overhead guard (cabin)		mm	2160
4.8	Seat height/standing height		mm	1000
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	0.29/0.43
5.3	Lowering speed, laden/unladen		m/s	0.44/0.435
5.5	Drawbar pull, laden/unladen			Drawbar pull, laden/unladen
5.6	Max. drawbar pull, laden/unladen			4215/335

	SPECIFICATION	REF	UNIT	VALUE
5.8	Max. gradeability, laden/unladen		%	10.5/14.5
6.1	Drive motor rating S2 60 min		kW	4.8x2
6.2	Lift motor rating at S3 15%		kW	11
6.4	Battery nominal capacity		Ah	400
6.4	Battery voltage		V	48
6.4.1	Battery type			Lead Acid
6.5	Battery weight		kg	708
6.6	Energy consumption according to DIN EN 16796		kWh/h	Energy consumption according to DIN EN 16796
6.7	Turnover output according to VDI 2198			Turnover output according to VDI 2198
6.8	Turnover efficiency according to VDI 2198			Turnover efficiency according to VDI 2198
8.1	Type of drive control			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the drivers ear		dB(A)	68
15.1	Charger output current		A	Charger output current



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	3000	1990	3515	4058	120	120
2-Wide Mast	3300	2140	3815	4358	120	120
2-Wide Mast	3600	2290	4115	4658	120	120
2-Wide Mast	4000	2540	4515	5058	120	120
2-Free Mast	3000	2023	3515	4058	1508	965
2-Free Mast	3300	2173	3815	4358	1658	1115
2-Free Mast	3600	2323	4115	4658	1808	1265
3-Free Mast	4500	2043	5024	5558	1499	985
3-Free Mast	4800	2143	5324	5858	1599	1085
3-Free Mast	5000	2208	5524	6058	1664	1150
3-Free Mast	5500	2378	6024	6558	1834	1320
3-Free Mast	6000	2593	6524	7058	2049	1535

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
Fork carriage width option	1040mm Yes and not customized
Fork carriage height option	1067mm (42in) 1220mm (48in) 1520 (60in) Yes and not customized
Seat type	Comfortable Suspension Suspension seat with armrests
Attachments	No Built-in sideshifter External sideshifter Fork positioner
Traction pin	Yes
Electrostatic chain	Yes
Front wheel material	Solid rubber Yes and not customized
Rear wheel material	Solid rubber Yes and not customized
Battery capacity	240Ah Lead-acid 300Ah Lead-acid
Charger	80V-30A external
Battery display indicator (BDI)	With hourmeter
Area warning lamp	No Both sides Rear Both sides and rear
Rearview mirror	One in front Two on sides
Buzzer	Yes
OPS system	Yes
Telematics	No Yes and not customized
Front lamp	LED
Rear lamp	No LED
Warning lamp	Yes
Steering lamp	Yes
Blue lamp	No Front*2 Rear*1 Front*2+Rear*1
Cabin	No