

1.5.1 Performance data for standard trucks

	Brand		EP	EP	EP	EP	EP	EP	
	Type		CPD15FV	CPD18FV	CPD20FV	CPD25FV	CPD30FV	CPD35FV	
	Power cell		Battery	Battery	Battery	Battery	Battery	Battery	
	Operation type		Sit-drive	Sit-drive	Sit-drive	Sit-drive	Sit-drive	Sit-drive	
Q	Rated capacity	kg	1500	1800	2000	2500	3000	3500	
C	Load centre of gravity distance	mm	500	500	500	500	500	500	
	Travel speed	Fully load	km/h	14	14	13	13	11	11
		Non-load	km/h	14.5	14.5	13.5	13.5	12	12
	Raise lift speed (Max)	Fully load	m/s	0.3	0.3	0.3	0.3	0.23	0.23
		Non-load	m/s	0.45	0.45	0.45	0.45	0.37	0.37
	Lowing speed(Max)	Fully load	m/s	0.45	0.45	0.44	0.44	0.50	0.50
		Non-load	m/s	0.44	0.44	0.435	0.435	0.48	0.48
	Max. grade ability (5 min rating)	Fully load	%	10.5	10.5	10.5	10.5	10.5	10.5
		Non-load	%	14	14	14	14	12	12
	Max. Drawbar pull(S2 5min)	Fully load	N	11000	11000	17000	17000	18000	18000
	Net weight (including battery)	kg	3450	3650	4400	4600	4980	5100	

	Axes lode (Fully load)	Front/rear	kg	4490/460	4920/530	5940/460	6600/500	7230/750	7800/800
	Axes lode (Non-load)	Front/rear	kg	1440/2010	1540/2110	2220/2180	2290/2310	2140/2840	2200/2900
	Tyre	Front×2		6.5-10-10PR	6.5-10-10PR	7.00-12-12P R	7.00-12-12P R	28X9-15	28X9-15
		Rear×2		5.00-8-10PR	5.00-8-10PR	18X7-8	18X7-8	18X7-8	18X7-8
	Motor	Driven motor×2	Kw	8	8	11	11	11.75	11.75
		Pump motor	Kw	7.8	7.8	8.6	8.6	10	10
	Battery	standard		BS	BS	BS	BS	BS	BS
		Pressure / capacitance	V/AH	48/500(Max 545)	48/500(Max 545)	48/630(Max 700)	48/630(Max 700)	80/500(Max 550)	80/500(Max 550)
	Battery weight (including battery box)		kg	930	930	990	990	1492	1492
	Controller	Type		AC	AC	AC	AC	AC	AC
		Manufacturer		ZAPI	ZAPI	ZAPI	ZAPI	ZAPI	ZAPI
	Operating pressure for attachment		bar	145	145	175	175	180	180
	Noise level		dB(A)	70	70	71	71	75	75

1.5.2Dimensions

	Description		CPD15FV	CPD18FV	CPD20FV	CPD25FV	CPD30FV	CPD35FV	
h2	Lifting height	mm	3000	3000	3000	3000	3000	3000	
h6	Free lifting height	mm	135	135	100	100	100	100	
s	Fork dimension	thickness	mm	40	40	40	40	45	50
e		width	mm	100	100	120	120	125	125
l		length	mm	920	920	1070	1070	1070	1070
θ1	Tilting angle	forward	Deg	6	6	6	6	6	
θ2		backward	Deg	12	12	12	12	12	
L1	Truck dimension	Length to face of fork	mm	2075	2075	2385	2385	2600	2600
L3		Whole length	mm	2995	2995	3455	3455	3670	3670
b1		Width	mm	1040	1040	1040	1040	1100	1100
b5		Load back rest width	mm	1080	1080	1150	1150	1220	1220
h1		Height when mast lowered	mm	1995	1995	1995	1995	2025	2025
h3		Height when mast lifting	mm	3955	3955	4220	4220	4250	4250
h5		Height to safeguard	mm	2170	2170	2170	2170	2230	2230
h4		Seat Height	mm	1130	1130	1050	1050	1050	1050
h7		Traction Height	mm	335	335	310	310	310	310
Wa	Turning radius	Min	mm	1920	1920	2100	2100	2300	2300

L2	Overhand	Front	mm	413	413	440	440	480	480
m	Ground clearance	chassis	mm	110	110	100	100	120	120
m1		Mast	mm	110	110	110	110	130	130
Y	Wheelbase		mm	1280	1280	1500	1500	1625	1625
b4	Front-wheelbase (drive- wheel)		mm	890	890	970	970	1000	1000
b6	Rear wheelbase (drive-wheel)		mm	920	920	950	950	980	980
Ast	Working aisle width with pallet	1000×1200 crossways	mm	3630	3630	3890	3990	4125	4225
		800×1200 lengthways	mm	3430	3430	3690	3790	3925	4025