



1.5-3.5t J series 4-wheel Electric Forklift



1.0-1.8t J series mast

Type	Mast fork height	Lowered	Overall height		Free lift		Tilt range	
			With backrest	Without backrest	With backrest	Without backrest	FED	RED
Wide view mast	mm	mm	mm	mm	mm	mm	Deg	Deg
	2500	1728	3455	3064	145	145	5	10
	2700	1826	3655	3264	145	145	5	10
	3000	1976	3955	3564	145	145	5	10
	3300	2126	4255	3864	145	145	5	10
	3500	2226	4455	4064	145	145	5	10
	3600	2326	4555	4164	145	145	5	10
	4000	2576	4955	4564	145	145	5	10
	4300	2726	5255	4864	145	145	5	6
	4500	2826	5455	5064	145	145	5	6
Wide view full free 2-stage mast	2500	1726	3455	3070	781	1158	5	10
	2700	1826	3655	3270	881	1244	5	10
	3000	1976	3955	3570	1031	1394	5	10
	3300	2126	4255	3870	1181	1544	5	10
	3600	2276	4555	4170	1331	1694	5	10
Wide view full free 3-stage mast	4000	2526	4955	4570	1581	1944	5	6
	3500	1976	4955	4570	1031	1416	5	6
	4300	2076	5255	4870	1131	1516	5	6
	4500	2086	5455	5070	1141	1614	5	6
	4800	2201	5755	5370	1256	1641	5	6
	5000	2251	5955	5570	1306	1691	5	6
	5500	2426	6455	6070	1481	1866	3	6
	6000	2651	6956	6570	1706	2091	3	6
	6500	2830	7456	7070	1820	2152	3	6

For overall height without backrest: -322mm (2-stage); -371 (2-stage); -337 (3-stage)
*adopt double tire. (Don't assemble side-shifter on the single tire forklift.)

3.0-3.5t J series mast

Type	Mast fork height	Lowered		Overall height		Free lift		Tilt range	
		3.0t	3.5t	With backrest	Without backrest	With backrest	Without backrest	FED/RED	
Wide view mast	mm	mm	mm	mm	mm	mm	mm	Deg	Deg
	2500	1786	1936	3652	3297	3364	145	145	5 / 10
	2700	1886	2036	3852	3497	3564	145	145	5 / 10
	3000	2036	2186	4152	3797	3864	145	145	5 / 10
	3300	2186	2336	4452	4097	4164	145	145	5 / 10
	3500	2286	2436	4652	4297	4364	145	145	5 / 10
	3600	2336	2486	4752	4397	4464	145	145	5 / 10
	4000	2586	2686	5152	4797	4864	145	145	5 / 10
	4300	2751	2836	5452	5097	5164	145	145	5 / 6
	4500	2861	2936	5652	5297	5364	145	145	5 / 6
Wide view full free 2-stage mast	4800	3026	3086	5952	5597	5664	145	145	5 / 6
	5000	3136	3186	6152	5797	5864	145	145	5 / 6
	2500	1826	1936	3652	3247	3292	684	794	1089
	2700	1926	2036	3852	3447	3492	784	894	1189
	3000	2036	2195	4152	3747	3792	894	1053	1299
Wide view full free 3-stage mast	3300	2186	2336	4452	4047	4092	1044	1194	1449
	3600	2345	2495	4752	4347	4392	1203	1353	1608
	4000	2555	2705	5152	4747	4792	1413	1563	1818
	4300	2041	2141	5452	5083	5092	899	999	1268
	4500	2121	2221	5652	5283	5292	979	1079	1348
	4800	2221	2321	5952	5583	5592	1079	1179	1448
	5000	2287	2387	6152	5783	5792	1145	1245	1514
	5500	2451	2551	6652	6283	6292	1309	1409	1678
	6000	2617	2717	7152	6783	6792	1475	1575	1844
	6500	2845	2946	7652	7283	7292	1703	1804	2072

For overall height without backrest: -355mm (J30MX); -405 (J30UX); -369 (J30NX)
*adopt double tire. (Don't assemble side-shifter on the single tire forklift.)

2.0-2.5t J series mast

Type	Mast fork height	Lowered	Overall height		Free lift		Tilt range	
			With backrest	Without backrest	With backrest	Without backrest	FED	RED
Wide view mast	mm	mm	mm	mm	mm	mm	Deg	Deg
	2500	1786	3556	3234	140	145	5	10
	2700	1886	3756	3434	140	140	5	10
	3000	2006	4056	3734	140	140	5	10
	3300	2186	4356	4034	140	140	5	10
	3500	2286	4556	4234	140	140	5	10
	3600	2336	4656	4334	140	140	5	10
	4000	2586	5056	4734	140	140	5	10
	4300	2751	5356	5034	140	140	5	6
	4500	2861	5556	5234	140	140	5	6
Wide view full free 2-stage mast	2500	1766	3556	3185	720	1091	5	10
	2700	1866	3756	3385	820	1191	5	10
	3000	1966	4056	3685	920	1291	5	10
	3300	2116	4356	3985	1070	1441	5	10
	3600	2266	4656	4285	1220	1591	5	10
Wide view full free 3-stage mast	4000	2516	5056	4685	1470	1841	5	10
	4300	1976	5356	5019	930	1267	5	6
	4500	2096	5556	5219	1050	1387	5	6
	4800	2196	5856	5519	1150	1487	5	6
	5000	2261	6056	5719	1215	1552	5	6
	5500	2426	6556	6219	1380	1717	3	6
	6000	2641	7056	6719	1595	1932	3	6
	6500	2820	7556	7219	1774	2111	3	6

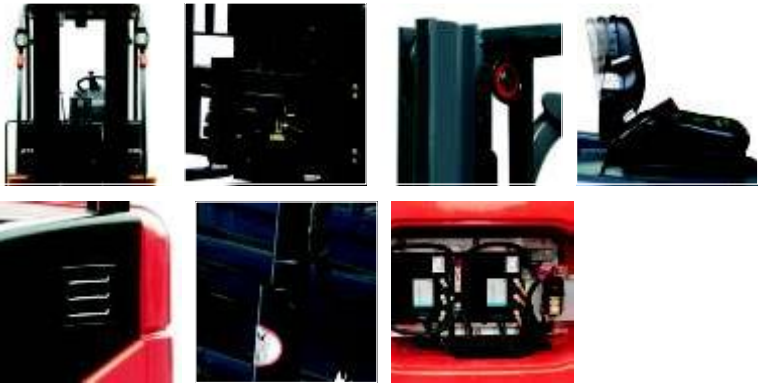
For overall height without backrest: -322mm (2-stage); -371 (2-stage); -337 (3-stage)
*adopt double tire. (Don't assemble side-shifter on the single tire forklift.)

Standard Feature

- Front wheel & Rear wheel pneumatic tyres
- High capacity storage battery
- Emergency disconnect switch
- Rubber floor mat
- 2 Spools control valve
- Locked spring gas
- Front combined lamp
- 3 meters 2-stage mast
- Adjustable steering column
- Rearview mirror
- Drive, lift, steering controlled
- Rear combined lamp
- Beeper
- Toolbox and file folder
- Hour meter, self-diagnose indicator

Optional Feature

- 3 or 4 spools control valve
- 4.3-6.5 meters 3-stage mast
- 2.5-4.5 meters 2-stage mast
- With attachment
- Other dimension forks
- High capacity battery
- Special carriage and backrest
- Solid tyre
- No mark solid tyre
- Battery charger



CONTROLLER

New Multi-Display employed full-dotted LCD is located on the steering column to improve visibility and manipulate-ability. Well fitted with convenient functions, such as battery level indicator, truck operation records, passwords entry and so on. While traveling, displays travel speed and BDI (Battery Discharge Indicator), while stopping, displays clock, Multi-display shows appropriate information under various situations. CURTIS or DANAHER MOTION made high-frequency controller incorporates a powerful microprocessor together with MOSFET power electronics. It controls all truck movements precisely with high energy efficiency at low noise level- from smooth, sensitive inching to powerful acceleration and regenerative braking. The new controller also offers sophisticated communication facilities and built-in diagnostics to reduce downtime. All electronics are housed inside the chassis body to protect them from external damage.



Comfortable seat can be upgraded to a luxury semi-suspension version.



Safe and easy access is assured by a large, non-slip step and grab handle.

AC Power System

Multiple benefits of the AC Power System include: fast response to operating commands, precise power control, compact components. Moreover, since the AC motor does not use contactors and brushes, these maintenance items will no longer be required. It also allows for a revolutionary new forklift design and performance so enhanced the operator can actually feel the difference.



INTRODUCTION

The distinctive features of the new 1.0-3.5t J series electric Four-wheel counterbalanced forklift are the following:

- Versatility of use due to compact design and minimal operating space requirements. Compact dimensions combined with superb maneuverability.
- High stability, both when stationary and cornering, due to long wheelbase, low centre of gravity and wide tyres.
- Economy of operation, resulting from minimized maintenance costs, e.g. fully enclosed 3 phase AC asynchronous motors with high degree of efficiency maintenance free for life.

series 1.0-3.5t electric forklift specification																							
specification	No.	Manufacturer			CPD10J	CPD10J-C1	CPD10J-D1	CPD15J	CPD15J-C1	CPD15J-D1	CPD18J	CPD18J-C1	CPD18J-D1	CPD20J	CPD20J-C1	CPD20J-D1	CPD25J	CPD25J-C1	CPD25J-D1	CPD30J	CPD30J-C1	CPD30J-D1	CPD35J-C1
	1	Model																					
	2	Rated capacity		kg		1000		1500			1750			2000			2500			3000		3500	
	3	Load centre		mm		500		500			500			500			500			500		500	
	4	Lifting height		mm		3000		3000			3000			3000			3000			3000		3000	
	5	Free lifting height		mm		135		135			135			140			140			140		140	
	6	Fork size	s× e× l	mm		35× 120× 900		35× 120× 900			35× 120× 900			40× 130× 1070			40× 130× 1070			45× 130× 1070		45× 135× 1070	
7	Tilting angle	F/B(α°/ β °)	Deg		5/10		5/10			5/10			5/10			5/10			5/10		5/10		
Dimensions	8	Overall Dimension	length (to fork face)	mm		2080		2080			2115			2275			2325			2490		2570	
	9		Width	mm		1060		1060			1138			1265			1265			1265		1302	
	10		Height when mast lowered	mm		1995		1995			1995			2070			2070			2100		2186	
	11		Height when mast lifting	mm		3935		3935			3935			4040			4040			4135		4221	
	12		Height to safeguard	mm		2075		2075			2075			2090			2090			2090		2090	
	13		Height seat	mm		1030		1030			1030			1070			1070			1070		1070	
	14	Turning radius	Min.	mm		1780		1780			1815			2040			2040			2230		2310	
	15	Overhang	Front	mm		406		406			406			455			455			475		475	
	16/17	Thread(Front/Rear)		mm		888/897.5		888/897.5			888/897.5			1058/960			1058/960			1058/960		1068/960	
	18	Ground clearance	Min.	mm		110		110			110			120			120			125		125	
Performance	19	Wheelbase		mm		1380		1380			1380			1485			1485			1625		1625	
	20	Fork spread	Min./Max.	mm		240/1000		240/1000			240/1000			200/1038			200/1038			290/1200		290/1200	
	21	Working aisle width with pallet(Ast)	1000×1200 crossways	mm		3556		3556			3591			3720			3911			4071		4161	
	22		800×1200 lengthways	mm		3655		3655			3690			3820			4010			4170		4260	
	23	speed	Travel(Laden)	km/h	12	14	14	12	14	14	12.5	13.5	13.5	12	14	14	12	14	14	13	14	14	12
	24		Travel(Unladend)	km/h	13	14	14	13	14	14	13	14	14	13	14	14	13	14	14	14	14.5	14.5	13
	25		Lifting(Laden)	mm/s	300	310	310	290	300	300	285	295	295	280	290	290	270	280	280	250	260	260	210
	26		Lifting(Unladend)	mm/s	450	460	460	440	450	450	430	440	440	440	450	450	430	440	440	400	410	410	370
	27		Lowling(Laden)	mm/s		450		460			470			470			420			460		450	
	28			Lowling(Unladend)	mm/s		430		430			430			440			430			424		404
	29	Gradeability	Laden	%	13	15	15	13	15	15	13	15	15	12	13	13	12	13	13	12	13	13	11
	30		Unladend	%	14	16	16	14	16	16	14	16	16	13	14	14	13	14	14	13	14	14	12
	31	Max.Drawbar pull	Laden(S2 5min)	N	9000	10000	10000	10000	11000	11000	11000	12000	12000	13000	14000	14000	17000	18000	18000	20000	22000	22000	20000
	32	Service weiht	Include battery box	kg		2880		2940			3090			3700			4180			5050		5450	
	33	Axle loading(Front/Rear)	Laden	kg		3410/470		3900/540			4300/590			5016/684			5990/690			7160/890		7876/1074	
	34		Unladend	kg		1296/1584		1353/1587			1650/1440			1628/2072			1890/2290			2424/2626		5998/2452	
35	Tyre	Front×2			6.00 - 9		6.00 - 9			21×8 - 9			23×9 - 10			23×9 - 10			23×9 - 10		23×10 - 12		
36		Rear×2			5.00 - 8		5.00 - 8			5.00 - 8			18×7 - 8			18×7 - 8			18×7 - 8		18×7 - 8		
Driven	37	Motor	Driven motor/S 60min	kw	5.4	8	8	5.4	8	8	5.4	8	8	7	10.5	10.5	7	10.5	10.5	10.2	10.6	10.6	11
	38		Pump motor /S 150min	kw	8.2	7.8	7.8	8.2	7.8	7.8	8.2	7.8	7.8	8.6	11	11	8.6	11	11	10	12.8	12.8	10
	39	Battery	Standard	V/Ah		48/420		48/420			48/420			48/630			48/630			80/500		80/500	
	40		Optional	V/Ah		48/550		48/550			48/550			48/700			48/700			/		/	
	41	Battery weight include box(STD.Battery)			760		760			760			998			998			1489		1489		
	42	Controller	Type		DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	
	43		Manufacturer		Curtis	Curtis Danaher	Curtis	Curtis Danaher	Curtis	Curtis Danaher	Curtis	Curtis Danaher	Curtis	Curtis Danaher	Curtis	Curtis Danaher	Curtis	Curtis Danaher	Curtis	Curtis Danaher	Curtis	Curtis Danaher	
44	Operating pressure for attachment		Mpa		14.5		14.5			14.5			17.5			17.5			17.5		18		
45	Noise level		dB(A)		70		70			70			71			72			74		75		

Note: 1.J series means DC system(Traction DC + Pump DC).JD1 series means AC system (Traction AC + Pump AC).JC1 series means AC system (Traction AC +Pump DC)
2.Ast: Include Safety Clearance=200mm
3.More products available: CPD10J-C2/CPD15J-C2/CPD1