

WTC ELECTRIC FORKLIFT TRUCK J Series

STATE-OF-THE-ART TECHNOLOGY - LOW PRICES!

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advantages + technical data*



WTC - BEST ERGONOMIC EQUIPMENT - AT LOWEST PRICES

WTC Electric Forklift Truck-J series

INTRODUCTION

The distinctive features of the new 1.5-3.5t/3300-7700lb J series electric four-wheel forklift as follows:

- *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 life. AC Power System*
- *Multiple benefits of the AC Power System include: fast response to operating commands, precise power control, and compact components. Moreover, since the AC motor does not use contactors and brushes, these maintenance items will no longer be required.*
- *Operator will be able to feel the difference by the truck's .New design and performance. SEM drive motor provides advanced control features.*
- *The CURTIS controller controls the traveling, lifting, tilting and steering action. It is an excellent cost-effective system for medium workload.*
- *New Multi-Display employed full dotted LCD is located on the steering column to improve visibility and manipulate-ability.*
- *FT LANDING LIFT CYLINDER*
During lowering fork with no load, fork speed is reduced just before touching ground to avoid collision noise with ground. The operator and those working near the forklift will appreciate the reduced noise.
- *The adjustable steering Column ensures a comfortable working position.*
- *Comfortable seat can be upgraded to a luxury semi suspension version.*
- *Because you open and close the battery cover for daily checkup, access of battery cover is improved by using gas spring with lock function.*
- *The J series four-wheel truck has three independent braking systems:
Regenerative braking system
Hydraulic wet disc brake system
Toggle-type parking brake*

TECHNICAL SPECIFICATIONS J Series 1.5-2.0t Electric Forklift

Specification	Model		15J	15J-C1	15J-D1	18J	18J-C1	18J-D1	20J	20J-C1	20J-D1	
	Rated capacity		kg		1500		1750		2000			
	Load center		mm		500		500		500			
	Lifting height		mm		3000		3000		3000			
	Free lifting height		mm		135		135		140			
	Fork size		s×e×l	mm		35×120×900		35×120×900		40×130×1070		
Tilting angle		F/R	Deg		5/10		5/10		5/10			
Dimensions	Overall Dimension	Length to face of fork	mm	2080		2115		2275				
		Width	mm	1060		1138		1265				
		Height when mast lowered	mm	1995		1995		2070				
		Height when mast lifting	mm	3935		3935		4040				
		Height to safeguard	mm	2075		2075		2090				
		Height seat	mm	1030		1030		1070				
	Turning radius	Min.	mm	1780		1815		2040				
	Overhang	Front	mm	406		406		455				
	Thread(Front/Rear)		mm	888/879.5		888/879.5		1058/960				
	Ground clearance	Min.	mm	110		110		120				
	Wheelbase		mm	1380		1380		1485				
	Fork spread	Min./ Max.	mm	240/1000		240/1000		200/1038				
Performance	Speed	Travel (Laden)	km/h	12	14	14	12.5	13.5	13.5	12	14	14
		Travel (Unladen)	km/h	13	14	14	13	14	14	13	14	14
		Lifting (Laden)	mm/s	290	300	300	285	295	295	280	290	290
		Lifting (Unladen)	mm/s	440	450	450	430	440	440	440	450	450
		Lowing (Laden)	mm/s	460			470			470		
		Lowing (Unladen)	mm/s	430			430			440		
	Gradeability	Laden	%	13	15	15	13	15	15	12	13	13
		Unladen	%	14	16	16	14	16	16	13	14	14
	Max. Drawbar pull	Laden (S2 5min)	N	10000	11000	11000	11000	12000	12000	13000	14000	14000
	Service weight	include battery box	kg	2940			3090			3700		
	Axle Loading (Front/Rear)	Laden	kg	3900/540			4300/590			5016/684		
		Unladen	kg	1353/1587			1650/1440			1628/2072		
Tyre	Front×2		6.00-9			21×8-9			23×9-10			
	Rear×2		5.00-8			5.00-8			18×7-8			
Driven	Motor	Driven motor ×2	kw	5.4	8	8	5.4	8	8	7	10.5	10.5
		Pump motor	kw	8.2	7.8	7.8	8.2	7.8	7.8	8.6	11	11
	Battery	Standard	V/AH	48/420			48/420			48/630		
	Battery weight include box (STD. Battery)			760			760			998		
	Controller	Type		MOSFET			MOSFET			MOSFET		
		Manufacturer		CURTIS	CURTIS	Danaher	CURTIS	CURTIS	Danaher	CURTIS	CURTIS	Danaher
	Operating pressure for attachment		Mpa	14.5			14.5			17.5		
Noise level		dB(A)	70			70			71			

TECHNICAL SPECIFICATIONS

J Series 2.5-3,5t Electric Forklift

Specification	Model		CPD25J		CPD25J-C1		CPD25J-D1		CPD30J		CPD30J-C1		CPD30J-D1		CPD35J-C1	
	Rated capacity			kg	2500				3000				3500			
	Load center			mm	500				500				500			
	Lifting height			mm	3000				3000				3000			
	Free lifting height			mm	140				145				145			
	Fork size		s×e×l	mm	40×130×1070				45×130×1070				45×135×1070			
	Tilting angle		F/R	Deg	5/10				5/10				5/10			
Dimensions	Overall Dimension		Length to face of fork	mm	2325				2490				2570			
			Width	mm	1265				1265				1302			
			Height when mast lowered	mm	2070				2100				2186			
			Height when mast lifting	mm	4040				4135				4221			
			Height to safeguard	mm	2090				2090				2090			
			Height seat	mm	1070				1070				1070			
	Turning radius		Min.	mm	2090				2230				2310			
	Overhang		Front	mm	455				475				475			
	Thread(Front/Rear)			mm	1058/960				1058/960				1068/960			
	Ground clearance		Min.	mm	120				125				125			
	Wheelbase			mm	1485				1625				1625			
	Performance	Fork spread		Min./ Max.	mm	200/1038				290/1200				290/1200		
Working aisle width with pallet (Ast*)		1000×1200 crossways	mm	3911				4071				4161				
		800×1200 lengthways	mm	4010				4170				4260				
Speed		Travel (Laden)	km/h	12	14	14	13	14	14	12						
		Travel (Unladen)	km/h	13	14	14	14	14.5	14.5	13						
		Lifting (Laden)	mm/s	270	280	280	250	260	260	210						
		Lifting (Unladen)	mm/s	430	440	440	400	410	410	370						
		Lowing (Laden)	mm/s	420				460				450				
		Lowing (Unladen)	mm/s	430				424				404				
Gradeability		Laden	%	12	13	13	12	13	13	11						
		Unladen	%	13	14	14	13	14	14	12						
Max. Drawbar pull		Laden (S2 5min)	N	17000	18000	18000	20000	22000	22000	20000						
Service weight		include battery box	kg	4180				5050				5450				
Driven	Axle Loading (Front/Rear)		Laden	kg	5990/690				7160/890				7876/1074			
			Unladen	kg	1890/2290				2424/2626				2998/2452			
	Tyre		Front×2		23×9-10				23×9-10				23×10-12			
			Rear×2		18×7-8				18×7-8				18×7-8			
Driven <td colspan="2" rowspan="2">Motor</td> <td>Driven motor ×2</td> <td>kw</td> <td>7</td> <td>10.5</td> <td>10.5</td> <td>10.2</td> <td>10.6</td> <td>10.6</td> <td>11</td> <td colspan="2"></td> <td colspan="2"></td>	Motor		Driven motor ×2	kw	7	10.5	10.5	10.2	10.6	10.6	11					
			Pump motor	kw	8.6	11	11	10	12.8	12.8	10					
	Battery		Standard	V/AH	48/630				80/500				80/500			
	Battery weight include box (STD. Battery)			998				1489				1489				
	Controller		Type		MOSFET				MOSFET				MOSFET			
			Manufacturer		CURTIS	CURTIS	Danaher	CURTIS	CURTIS	Danaher	CURTIS					
	Operating pressure for attachment			Mpa	17.5				17.5				18			
Noise level			dB(A)	72				74				75				

Note: 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)
Ast*: Include Safety Clearance=200mm

Specifications subject to change without notice.

1.5-1.8t J series mast.

Type	Mast fork height mm	Lowered mm	Overall height		Free lift		Tilt range		Capacity			
			With backrest mm	Without backrest mm	With backrest mm	Without backrest mm	FED Deg	RED Deg	Load capacity at 500mm			
									Single tire		Double tire	
									1.5t	1.75t	1.5t	1.75t
Wide view mast	2500	1728	3455	3064	145	145	5	10	1500	1750	1500	1750
	2700	1826	3655	3264	145	145	5	10	1500	1750	1500	1750
	3000	1976	3955	3564	145	145	5	10	1500	1750	1500	1750
	3300	2126	4255	3864	145	145	5	10	1500	1750	1500	1750
	3500	2226	4455	4064	145	145	5	10	1500	1750	1500	1750
	3600	2326	4555	4164	145	145	5	10	1450	1750	1450	1750
	4000	2576	4955	4564	145	145	5	10	1400	1700	1400	1700
	4300	2726	5255	4864	145	145	5	10	1300	1550	1350	1650
	4500	2826	5455	5064	145	145	5	6	1200	1450	1300	1600
Wide view full free	2500	1726	3455	3070	781	1158	5	10	1450	1750	1500	1750
	2700	1826	3655	3270	881	1244	5	10	1450	1750	1500	1750
	3000	1976	3955	3570	1031	1394	5	10	1450	1750	1500	1750
	3300	2126	4255	3870	1181	1544	5	10	1450	1750	1500	1750
	3600	2276	4555	4170	1331	1694	5	10	1350	1600	1450	1750
	4000	2526	4955	4570	1581	1944	5	6	1300	1550	1350	1600
Wide view full free 3-stage mast	3500	1976	4955	4570	1031	1416	5	6	1350	1600	1400	1700
	4300	2076	5255	4870	1131	1516	5	6	1300	1550	1350	1600
	4500	2086	5455	5070	1141	1614	5	6	1200	1450	1250	1500
	4800	2201	5755	5370	1256	1641	5	6	1100	1300	1200	1350
	*5000	2251	5955	5570	1306	1691	5	6	1000	1200	1050	1250
	*5500	2426	6455	6070	1481	1866	3	6	/	/	750	900
	*6000	2651	6956	6570	1706	2091	3	6	/	/	500	650
	*6500	2830	7456	7070	1820	2152	3	6	/	/	400	500

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.)

2.0-2.5t J series mast

Type	Mast fork height mm	Lowered mm	Overall height		Free lift		Tilt range		Capacity			
			With backrest mm	Without backrest mm	With backrest mm	Without backrest mm	FED Deg	RED Deg	Load capacity at 500mm			
									Single tire		Double tire	
									2.0t	2.5t	2.0t	2.5t
Wide view mast	2500	1786	3556	3234	140	145	5	10	2000	2500	2000	2500
	2700	1886	3756	3434	140	140	5	10	2000	2500	2000	2500
	3000	2006	4056	3734	140	140	5	10	2000	2500	2000	2500
	3300	2186	4356	4034	140	140	5	10	2000	2500	2000	2500
	3500	2286	4556	4234	140	140	5	10	1950	2400	2000	2500
	3600	2336	4656	4334	140	140	5	10	1900	2400	2000	2500
	4000	2586	5056	4734	140	140	5	10	1800	2300	1950	2400
	4300	2751	5356	5034	140	140	5	6	1700	2000	1900	2300
	4500	2861	5556	5234	140	140	5	6	1600	1800	1800	2200
Wide view full free 2-stage mast	2500	1766	3556	3185	720	1091	5	10	2000	2500	2000	2500
	2700	1866	3756	3385	820	1191	5	10	2000	2500	2000	2500
	3000	1966	4056	3685	920	1291	5	10	2000	2500	2000	2500
	3300	2116	4356	3985	1070	1441	5	10	2000	2500	2000	2500
	3600	2266	4656	4285	1220	1591	5	10	1900	2350	1950	2450
	4000	2516	5056	4685	1470	1841	5	10	1800	2250	1850	2350
Wide view full free 3-stage mast	4300	1976	5356	5019	930	1267	5	6	1700	2000	1800	2250
	4500	2096	5556	5219	1050	1387	5	6	1600	1800	1700	2150
	*4800	2196	5856	5519	1150	1487	5	6	1400	1700	1600	2100
	*5000	2261	6056	5719	1215	1552	5	6	1300	1500	1500	2000
	*5500	2426	6556	6219	1380	1717	3	6	1000	1100	1450	1900
	*6000	2641	7056	6719	1595	1932	3	6	700	800	1400	1600
	*6500	2820	7556	7219	1774	2111	3	6	/	/	1200	1300

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		Capacity			
				With backrest		Without backrest		With backrest		Without backrest		FED	RED	Load capacity at 500mm			
		3.0t	3.5t	3.0t	3.5t	3.0t	3.5t	3.0t	3.5t	3.0t	3.5t			Single tire		Double tire	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	3.0t	3.5t	3.0t	3.5t
Wide view mast	2500	1786	1936	3652	3652	3297	3364	145	145	145	145	5	10	3000	3500	3000	3500
	2700	1886	2036	3852	3852	3497	3564	145	145	145	145	5	10	3000	3500	3000	3500
	3000	2036	2186	4152	4152	3797	3864	145	145	145	145	5	10	3000	3500	3000	3500
	3300	2186	2336	4452	4452	4097	4164	145	145	145	145	5	10	3000	3500	3000	3500
	3500	2286	2436	4652	4652	4297	4364	145	145	145	145	5	10	3000	3500	3000	3500
	3600	2336	2486	4752	4752	4397	4464	145	145	145	145	5	10	3000	3400	3000	3500
	4000	2586	2686	5152	5152	4797	4864	145	145	145	145	5	10	2800	3200	2900	3400
	4300	2751	2836	5452	5452	5097	5164	145	145	145	145	5	6	2500	2900	2750	3100
	4500	2861	2936	5652	5652	5297	5364	145	145	145	145	5	6	2400	2600	2600	3000
	4800	3026	3086	5952	5952	5597	5664	145	145	145	145	5	6	2200	2500	2500	2900
Wide view full free 2-stage mast	5000	3136	3186	6152	6152	5797	5864	145	145	145	145	5	6	2000	2300	2300	2850
	2500	1826	1936	3652	3652	3247	3292	684	794	1089	1154	5	10	3000	3500	3000	3500
	2700	1926	2036	3852	3852	3447	3492	784	897	1189	1254	5	10	3000	3500	3000	3500
	3000	2036	2195	4152	4152	3747	3792	894	1053	1299	1413	5	10	3000	3500	3000	3500
	3300	2186	2336	4452	4452	4047	4092	1044	1194	1449	1554	5	10	3000	3500	3000	3500
Wide view full free 3-stage mast	3600	2400	2495	4742	4752	4387	4392	1258	1353	1623	1713	5	10	3000	3400	2900	3400
	4000	2600	2705	6742	5152	6387	4792	1458	1563	1823	1923	5	10	3000	3200	2800	3300
	4300	2041	2141	5452	5452	5083	5092	899	999	1268	1359	5	6	2500	2900	2750	3000
	4500	2121	2221	5652	5652	5283	5292	979	1079	1348	1439	5	6	2400	2800	2700	3000
	*4800	2221	2321	5952	5952	5583	5592	1079	1179	1448	1539	5	6	2200	2500	2600	2900
	*5000	2287	2387	6152	6152	5783	5792	1145	1245	1514	1605	5	6	2000	2300	2500	2850
	*5500	2451	2551	6652	6652	6283	6292	1309	1409	1678	1769	3	6	1500	1750	2350	2700
	*6000	2617	2717	7152	7152	6783	6792	1475	1575	1844	1935	3	6	1200	1250	2050	2150
	*6500	2845	2946	7652	7652	7283	7292	1703	1804	2072	2164	3	6	900	1000	1850	1900

For overall height without backrest: -355mm (J30MX); -405 (J30UX); -369 (J30NX)

*adopt double tire. (Don't assemble side-shifter on the single tire forklift.)

Specifications are subject to change without notice.

INDUSTRIES SWEDEN