



Guangxi LiuGong Machinery Co.,Ltd.  
No. 1 Liutai Road, Liuzhou, Guangxi.  
545007

PR China

T: +86 0772 3886124

E: [overseas@liugong.com](mailto:overseas@liugong.com)

[www.liugong.com](http://www.liugong.com)

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# CPCD30-35

FORKLIFT



TOUGH WORLD. TOUGH EQUIPMENT.

# MAXIMIZE YOUR RETURN ON INVESTMENT

LiuGong's **customer-driven** design and **quality-focused** engineering creates lasting value that will deliver to your bottom line.

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## DEPENDABLE POWER

Unmatched performance driven by the World-Class Engine.



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## ERGONOMIC

Widen operating space and reasonable design can give the operator better experience.



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## COMFORTABLE

The full hydraulic steering system allows for smooth steering in an ergonomic seating posture, hence improved operator's comfort.



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## HIGH EFFICIENCY

Newly optimized hydraulic system provides excellent lifting speed, assisting you to finish work efficiently and safely.

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## GOOD VIEW

The mast and overhead guard are designed for wider view, as well as operator's comfort and safety.



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## MAINTAINING

The engine hood with big angle for easy to maintain.



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## PARTS

Using genuine Liugong parts is key to keeping your costs low and your machine in top working order. Our extensive support network is always there when you need it, to maximize your business profitability.

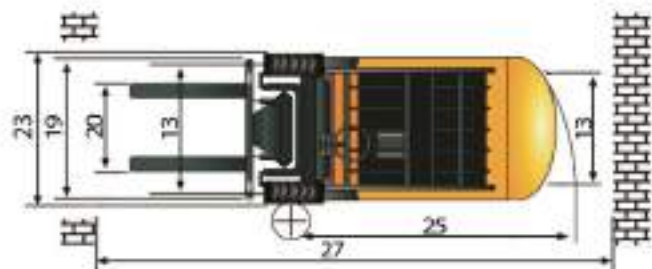
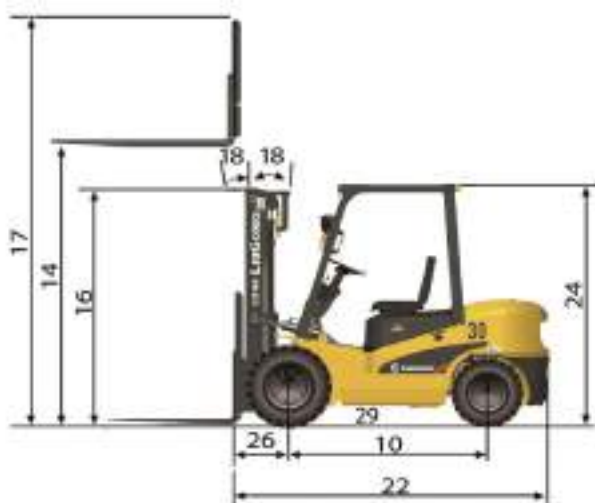
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## AFTER SALES SERVICE

As a customer of Liugong you can feel confident that our dealers and regional offices will be there to support you with training, service and maintenance needed throughout the life of your machine.

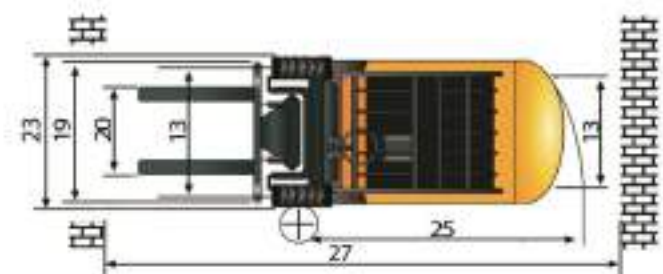
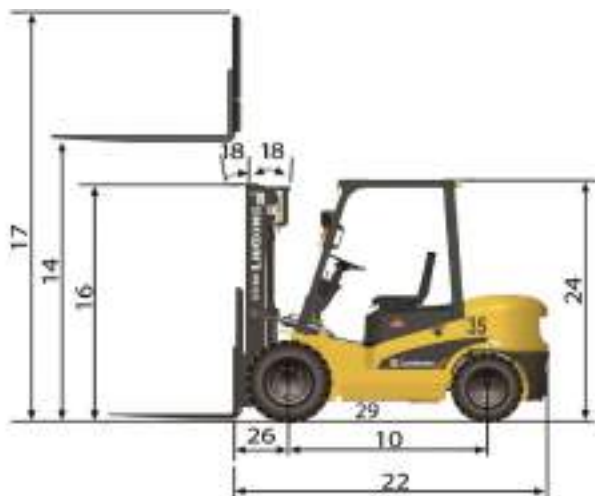
# SPECIFICATION

<b>General</b>	<b>Model</b>	1				CPCD30	CPCD30	
	<b>Power Type</b>	2				Diesel	Gas / LPG	
	<b>Base Capacity</b>	3	@rated load center	kg		3,000	3,000	
	<b>Load Center</b>	4		mm		500	500	
<b>Weights</b>	<b>Service Weight</b>	5	unloaded	kg		4,230	4,230	
	<b>Axle Load</b>	6	loaded / unloaded, front	kg		6,400 / 1,650	6,400 / 1,650	
		7	loaded / unloaded, rear	kg		830 / 2,580	830 / 2,580	
<b>Tires</b>	<b>Tire Type</b>	8				Pneumatic	Pneumatic	
	<b>Wheels</b>	9	front / rear			2 / 2	2 / 2	
	<b>Wheelbase</b>	10		mm		1,700	1,700	
	<b>Tire Size</b>	11	front				28x9-15-14PR	28x9-15-14PR
		12	rear				6.50-10-10PR	6.50-10-10PR
13	<b>Tread Width</b>	front / rear				1,000 / 980	1,000 / 980	
<b>Mast</b>	<b>Max. Fork Height</b>	14	with std 2-stage mast	mm		3,000	3,000	
	<b>Free lift</b>	15	with std 2-stage mast	mm		145	145	
	<b>Height, Upright Lowered</b>	16	with std 2-stage mast	mm		2,080	2,080	
	<b>Height, Upright Extended</b>	17	with std 2-stage mast	mm		4,146	4,146	
	<b>Mast Tilt, Fwd/Back</b>	18	with std 2-stage mast	deg		6° / 12°	6° / 12°	
	<b>Carriage</b>	19	width	mm		1,100	1,100	
	<b>Fork Spread</b>	20	minimum / maximum	mm		272 / 1,072	272 / 1,072	
<b>Fork Dimensions</b>	21	T x W x L	mm		45 x 122 x 1,070	45 x 122 x 1,070		
<b>Chassis</b>	<b>Length to Fork Face</b>	22	with std 2-stage mast	mm		2,705	2,705	
	<b>Overall Width</b>	23		mm		1,225	1,225	
	<b>Overhead Guard Height</b>	24		mm		2,170	2,170	
	<b>Turning Radius</b>	25	minimum outside	mm		2,400	2,400	
	<b>Fork Overhang</b>	26	with std 2-stage mast	mm		471	471	
	<b>Right Angle Stack</b>	27	add load length and clearance	mm		4,141	4,141	
	<b>Ground Clearance</b>	28	minimum loaded	mm		135	135	
	29	center of wheelbase	mm		140	140		
<b>Performance</b>	<b>Travel Speed</b>	30	loaded / unloaded	km/h	18.5 / 19	18.5 / 19	18.5 / 19	
	<b>Lift Speed</b>	31	loaded / unloaded	m/s	0.43 / 0.45	0.43 / 0.45	0.43 / 0.45	
	<b>Lower Speed</b>	32	loaded / unloaded	m/s	0.46 / 0.40	0.46 / 0.40	0.46 / 0.40	
	<b>Max. Drawbar Pull</b>	33	loaded	kg	1,650	2,000	2,000	
	<b>Max. Gradeability</b>	34	loaded / unloaded	%	18 / 20	18 / 20	20 / 20	
<b>Systems</b>	<b>Brakes</b>	35	service		Foot / Hyd	Foot / Hyd	Foot / Hyd	
		36	parking		Hand / Mech	Hand / Mech	Hand / Mech	
	<b>Engine</b>	37	manufacturer		Xinchai	Isuzu	Yanmar	
		38	model		A490BPG	C240-NBKEG	4TNE98-BQFLC	
		39	emission compliance		CHN Stage II	EU Stage IIIA	EU Stage IIIA	
		40	cylinders		4	4	4	
		41	displacement	liters	2.54	2.37	3.32	
		42	rated power	kW/rpm	36.8 / 2,650	35.4 / 2,500	42.1 / 2,300	
		43	Max. torque	N · m/rpm	148 / 1,900	137.7 / 1,800	196.3 / 1,700	



# SPECIFICATION

<b>General</b>	<b>Model</b>	1				CPCD35	CPCD35	
	<b>Power Type</b>	2				Diesel	Gas / LPG	
	<b>Base Capacity</b>	3	@rated load center	kg		3,500	3,500	
	<b>Load Center</b>	4		mm		500	500	
<b>Weights</b>	<b>Service Weight</b>	5	unloaded	kg		4,430	4,430	
	<b>Axle Load</b>	6	loaded / unloaded, front	kg		7,080 / 1,600	7,080 / 1,600	
		7	loaded / unloaded, rear	kg		850 / 2,830	850 / 2,830	
<b>Tires</b>	<b>Tire Type</b>	8				Pneumatic	Pneumatic	
	<b>Wheels</b>	9	front / rear			2 / 2	2 / 2	
	<b>Wheelbase</b>	10		mm		1,700	1,700	
	<b>Tire Size</b>	11	front				28x9-15-14PR	28x9-15-14PR
		12	rear				6.50-10-10PR	6.50-10-10PR
13	front / rear				1,000 / 980	1,000 / 980		
<b>Mast</b>	<b>Max. Fork Height</b>	14	with std 2-stage mast	mm		3,000	3,000	
	<b>Free lift</b>	15	with std 2-stage mast	mm		145	145	
	<b>Height, Upright Lowered</b>	16	with std 2-stage mast	mm		2,080	2,080	
	<b>Height, Upright Extended</b>	17	with std 2-stage mast	mm		4,146	4,146	
	<b>Mast Tilt, Fwd/Back</b>	18	with std 2-stage mast	deg		6° / 12°	6° / 12°	
	<b>Carriage</b>	19	width	mm		1,100	1,100	
	<b>Fork Spread</b>	20	minimum / maximum	mm		272 / 1,072	272 / 1,072	
<b>Fork Dimensions</b>	21	T x W x L	mm		50 x 122 x 1,070	50 x 122 x 1,070		
<b>Chassis</b>	<b>Length to Fork Face</b>	22	with std 2-stage mast	mm		2,743	2,743	
	<b>Overall Width</b>	23		mm		1,225	1,225	
	<b>Overhead Guard Height</b>	24		mm		2,170	2,170	
	<b>Turning Radius</b>	25	minimum outside	mm		2,435	2,435	
	<b>Fork Overhang</b>	26	with std 2-stage mast	mm		476	476	
	<b>Right Angle Stack</b>	27	add load length and clearance	mm		4,176	4,176	
	<b>Ground Clearance</b>	28	minimum loaded	mm		135	135	
		29	center of wheelbase	mm		140	140	
<b>Performance</b>	<b>Travel Speed</b>	30	loaded / unloaded	km/h	18.5 / 19	18.5 / 19	18.5 / 19	
	<b>Lift Speed</b>	31	loaded / unloaded	m/s	0.43 / 0.45	0.43 / 0.45	0.43 / 0.45	
	<b>Lower Speed</b>	32	loaded / unloaded	m/s	0.46 / 0.40	0.46 / 0.40	0.46 / 0.40	
	<b>Max. Drawbar Pull</b>	33	loaded	kg	1,650	2,000	2,000	
	<b>Max. Gradeability</b>	34	loaded / unloaded	%	18 / 20	18 / 20	20 / 20	
<b>Systems</b>	<b>Brakes</b>	35	service		Foot / Hyd	Foot / Hyd	Foot / Hyd	
		36	parking		Hand / Mech	Hand / Mech	Hand / Mech	
	<b>Engine</b>	37	manufacturer		Xinchai	Isuzu	Yanmar	Nissan
		38	model		A490BPG	C240-NBKEG	4TNE98-BQFLC	K25
		39	emission compliance		CHN Stage II	EU Stage IIIA	EU Stage IIIA	N/A
		40	cylinders		4	4	4	4
		41	displacement	liters	2.54	2.37	3.32	2.49
		42	rated power	kW/rpm	36.8 / 2,650	35.4 / 2,500	42.1 / 2,300	37.4 / 2,300
		43	Max. torque	N · m/rpm	148 / 1,900	137.7 / 1,800	196.3 / 1,700	176.5 / 1,600

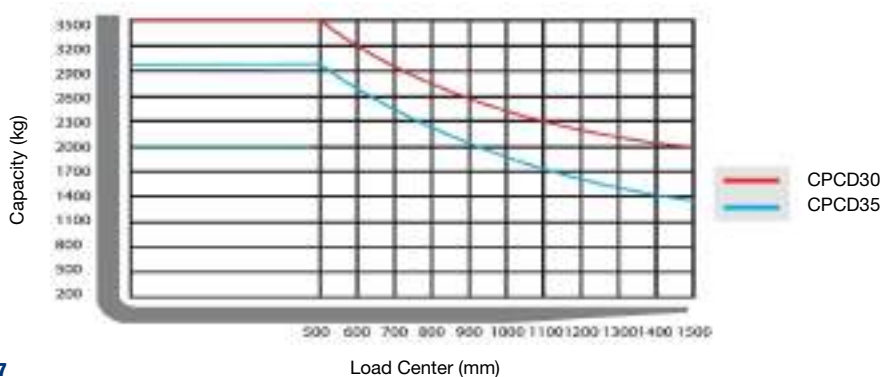


# CAPACITY

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Free Lift with Load Backrest	Mast Tilt Angle (F/B)	Rated Load Capacity				Total Weight with Standard Forks	
					With Standard Forks		With Sideshifter			
					CPCD30	CPCD35	CPCD30	CPCD35	CPCD30	CPCD35
	mm	mm	mm	degree	kg @ (500mm LC)		kg @ (500mm LC)		Kg	
Standard 2-Stage	3000	2120	145	6 / 12	3000	3500	2750	3250	4230	4430
	3300	2270	145	6 / 12	3000	3450	2750	3200	4255	4456
	3500	2370	145	6 / 12	2750	3250	2600	3100	4280	4479
	4000	2670	145	6 / 6	2600	3100	2500	3000	4370	4569
	4500	2920	145	6 / 6	2400	2900	2300	2800	4415	4613
	5000	3220	145	3 / 6	2200	2700	2100	2600	4460	4657
	5500	3670	145	3 / 6	2100	2600	2000	2500	4510	4710
6000	4020	145	3 / 6	2000	2500	1900	2400	4555	4755	

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Free Lift with Load Backrest*	Mast Tilt Angle (F/B)	Rated Load Capacity				Total Weight with Standard Forks	
					With Standard Forks		With Sideshifter			
					CPCD30	CPCD35	CPCD30	CPCD35	CPCD30	CPCD35
	mm	mm	mm	degree	kg @ (500mm LC)		kg @ (500mm LC)		Kg	
Full Free 2-Stage	3000	2120	964	6 / 12	3000	3500	2750	3250	4270	4470
	3500	2370	1214	6 / 12	2750	3250	2600	3100	4320	4519

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Free Lift with Load Backrest*	Mast Tilt Angle (F/B)	Rated Load Capacity				Total Weight with Standard Forks	
					With Standard Forks		With Sideshifter			
					CPCD30	CPCD35	CPCD30	CPCD35	CPCD30	CPCD35
	mm	mm	mm	degree	kg @ (500mm LC)		kg @ (500mm LC)		Kg	
Full Free 3-Stage	3600	1815	659	6 / 6	2650	3150	2450	2950	4365	4655
	4000	1950	794	6 / 6	2450	2950	2250	2750	4400	4690
	4500	2120	964	6 / 6	2250	2750	2050	2550	4440	4730
	4700	2190	1034	6 / 6	2100	2600	1950	2350	4460	4750
	5000	2295	1134	3 / 6	1900	2400	1600	2100	4610	4900
	5500	2450	1304	3 / 6	1700	2200	1450	1950	4790	5080
	6000	2630	1474	3 / 6	1500	2000	1300	1800	4840	5130
	7000	3465	2245	3 / 3	-	1100	-	950	-	5190



**Note:**  
 Vertical axle stands for load capacity while horizontal axle stands for load center, Load center is the distance counted from the front of the fork.,The base point of the standard load is the center point of the cubic with the same 1000mm dimension in length, width and height. The load capacity should be down if mast tilt forward or using non-standard forks of loading goods with extra width. Please realize the different load capacity between different load centers according to load chart.

# STANDARD CONFIGURATION

## POWER SYSTEM

- Xinchai A490BPG diesel engine
- One-speed automatic transmission
- High strength drive axle
- Heavy duty steering axle
- Air filter with dual-elements
- Fuel system pre-filter
- Radiator
- Low exhaust

## HYDRAULIC SYSTEM

- 2-funtion hydraulic valve
- Hydrostatic steering
- Oil filter for intake and return
- Hydraulic oil radiator

## ELECTRIC SYSTEM

- 1 batteries
- Front flood lights
- Front steering lights
- Rear combination lights
- Buzzer for back off

## UNDERCARRIAGE

- High strength frame
- 1 piece counterweight
- Tow pin
- Air filled pneumatic drive tires
- Air filled pneumatic steer tires

## MAST

- 3.0M Standard 2-stage mast
- 1100mm Wide Class III carriage
- Load backrest
- 1070mm long Class III pallet forks

## OPERATOR STATION

- Overhead guard
- Locks for engine hood
- Vinyl cushion seat with seat belt
- Ignition lock
- Display with alarms, fuel rate, water temperature, working hour
- Tilt steering column
- Inching, brake and accelerator pedals
- Hand parking
- Floor mat

# OPTIONAL CONFIGURATION

## POWER SYSTEM

- Xinchai A498BT1 diesel engine
- Isuzu C240 diesel engine
- Isuzu 4JG2 diesel engine
- Yanmar 4TNE98 diesel engine
- Cummins QSF 2.8 diesel engine
- Nissan K25 engine (Gas/LPG)
- Elevated air pre-cleaner
- 2nd refined air filter
- Middle exhaust
- Vertical exhaust

## HYDRAULIC SYSTEM

- 3-funtion hydraulic valve
- 4-funtion hydraulic valve

## ELECTRIC SYSTEM

- Rear working light
- Amber warning light
- License plate light

## UNDERCARRIAGE

- Solid pneumatic drive tires
- Solid pneumatic steer tires

## MAST

- Full free 2-stage mast
- Full free 3-stage mast
- Longer Class III pallet forks

## OPERATION STATION

- Enclosed cabin
- Heater for cabin
- Operator fan
- Cup holder
- Fire extinguisher
- Expansion tank
- Anti-corrosion lifting and tilting cylinde
- Protective cover for tilt cylinde
- Oil-water separator (for Xinchai engine only)
- Master key
- Hydraulic electronic shifting
- Electronic of power off (for Xinchai engine only)
- Half-suspension vinyl seat(tiancheng)
- Grammer full-suspension vinyl seat