



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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# CLG2080H-100H

FORKLIFT



# LIUGONG



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 and rear 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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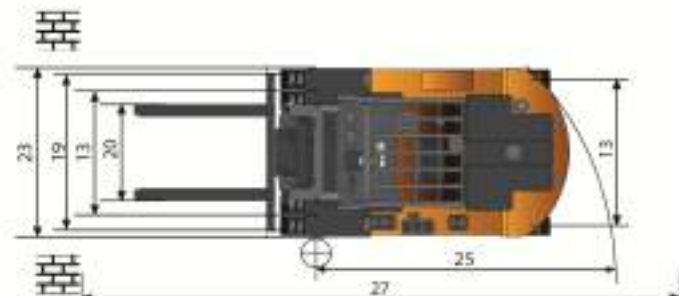
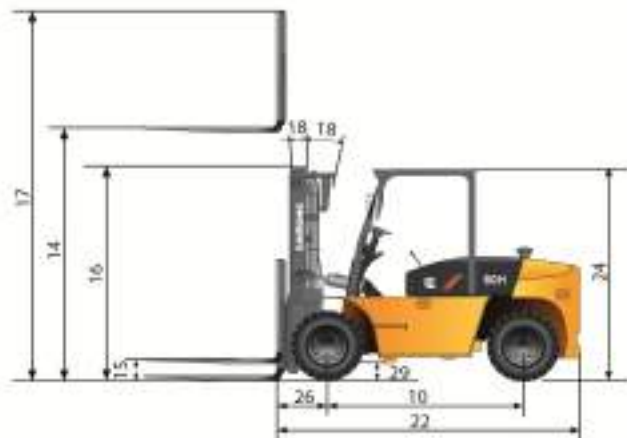
## AFTER SALES SERVICE

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

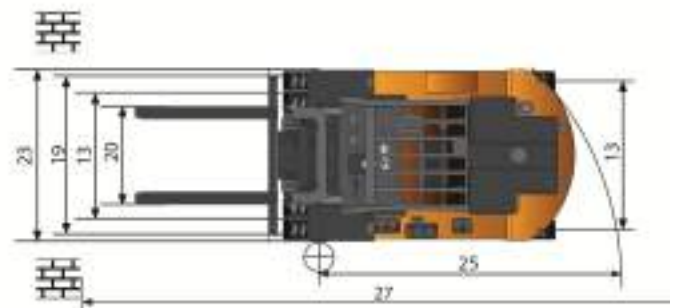
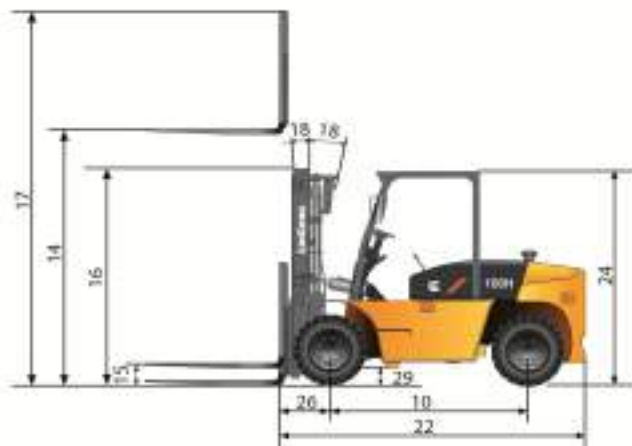
<b>General</b>	<b>Model</b>	1				CLG2080H	
	<b>Power Type</b>	2				Diesel	
	<b>Base Capacity</b>	3	@rated load center	kg		8,000	
	<b>Load Center</b>	4		mm		600	
<b>Weights</b>	<b>Service Weight</b>	5	unloaded	kg		11,500	
	<b>Axle Load</b>	6	loaded / unloaded, front	kg		17,800 / 5,600	
		7	loaded / unloaded, rear	kg		1,700 / 5,900	
<b>Tires</b>	<b>Tire Type</b>	8				Pneumatic	
	<b>Wheels</b>	9	front / rear			4 / 2	
	<b>Wheelbase</b>	10		mm		2,600	
	<b>Tire Size</b>	11	front				9.00-20-14PR
		12	rear				9.00-20-14PR
13	front / rear				1,600 / 1,720		
<b>Mast</b>	<b>Max. Fork Height</b>	14	with std 2-stage mast	mm		3,000	
	<b>Free lift</b>	15	with std 2-stage mast	mm		200	
	<b>Height, Upright Lowered</b>	16	with std 2-stage mast	mm		2,696	
	<b>Height, Upright Extended</b>	17	with std 2-stage mast	mm		4,145	
	<b>Mast Tilt, Fwd/Back</b>	18	with std 2-stage mast	deg		6° / 12°	
	<b>Carriage</b>	19	width	mm		2,210	
	<b>Fork Spread</b>	20	minimum / maximum	mm		410 / 2,130	
	<b>Fork Dimensions</b>	21	T x W x L	mm		70x170x1,520	
<b>Chassis</b>	<b>Length to Fork Face</b>	22	with std 2-stage mast	mm		4,050	
	<b>Overall Width</b>	23		mm		2,210	
	<b>Overhead Guard Height</b>	24		mm		2,646	
	<b>Turning Radius</b>	25	minimum outside	mm		3,780	
	<b>Fork Overhang</b>	26	with std 2-stage mast	mm		710	
	<b>Right Angle Stack</b>	27	add load length and clearance	mm		5,300	
	<b>Ground Clearance</b>	28	minimum loaded	mm		290	
		29	center of wheelbase	mm		300	
<b>Performance</b>	<b>Travel Speed</b>	30	loaded / unloaded	km/h	21 / 26	20 / 25	
	<b>Lift Speed</b>	31	loaded / unloaded	m/s	0.36 / 0.43	0.41 / 0.44	
	<b>Lower Speed</b>	32	loaded / unloaded	m/s	0.45 / 0.32	0.48 / 0.35	
	<b>Max. Drawbar Pull</b>	33	loaded	kg	5,600	6,500	
	<b>Max. Gradeability</b>	34	loaded / unloaded	%	25 / 20	30 / 28	
<b>Systems</b>	<b>Brakes</b>	35	service		Foot / Hyd	Foot / Hyd	
		36	parking		Hand / Mech	Hand / Mech	
		37	manufacturer		Yuchai	Isuzu	
	<b>Engine</b>	38	model		YC4A125	A-6BG1QC-02	
		39	emission compliance		CHN Stage III	EU Stage I	
		40	cylinders		4	6	
		41	displacement	liters	4.84	6.49	
		42	rated power	kW/rpm	92 / 2,200	82.4 / 2,000	
		43	Max. torque	N · m/rpm	480 / 1,400-1,800	416.8 / 1,500	





# SPECIFICATION

<b>General</b>	<b>Model</b>	1				CLG2100H	
	<b>Power Type</b>	2				Diesel	
	<b>Base Capacity</b>	3	@rated load center	kg		10,000	
	<b>Load Center</b>	4		mm		600	
<b>Weights</b>	<b>Service Weight</b>	5	unloaded	kg		12,800	
	<b>Axle Load</b>	6	loaded / unloaded, front	kg		20,300 / 5,620	
		7	loaded / unloaded, rear	kg		2,500 / 7,180	
<b>Tires</b>	<b>Tire Type</b>	8				Pneumatic	
	<b>Wheels</b>	9	front / rear			4 / 2	
	<b>Wheelbase</b>	10		mm		2,800	
	<b>Tire Size</b>	11	front				9.00-20-14PR
		12	rear				9.00-20-14PR
13	front / rear					1,600 / 1,720	
<b>Mast</b>	<b>Max. Fork Height</b>	14	with std 2-stage mast	mm		3,000	
	<b>Free lift</b>	15	with std 2-stage mast	mm		200	
	<b>Height, Upright Lowered</b>	16	with std 2-stage mast	mm		2,696	
	<b>Height, Upright Extended</b>	17	with std 2-stage mast	mm		4,145	
	<b>Mast Tilt, Fwd/Back</b>	18	with std 2-stage mast	deg		6° / 12°	
	<b>Carriage</b>	19	width	mm		2,210	
	<b>Fork Spread</b>	20	minimum / maximum	mm		410 / 2,130	
	<b>Fork Dimensions</b>	21	T x W x L	mm		80×175×1,520	
<b>Chassis</b>	<b>Length to Fork Face</b>	22	with std 2-stage mast	mm		4,260	
	<b>Overall Width</b>	23		mm		2,210	
	<b>Overhead Guard Height</b>	24		mm		2,646	
	<b>Turning Radius</b>	25	minimum outside	mm		4,060	
	<b>Fork Overhang</b>	26	with std 2-stage mast	mm		720	
	<b>Right Angle Stack</b>	27	add load length and clearance	mm		5,580	
	<b>Ground Clearance</b>	28	minimum loaded	mm		290	
		29	center of wheelbase	mm		300	
<b>Performance</b>	<b>Travel Speed</b>	30	loaded / unloaded	km/h	21 / 26	20 / 25	
	<b>Lift Speed</b>	31	loaded / unloaded	m/s	0.36 / 0.43	0.41 / 0.44	
	<b>Lower Speed</b>	32	loaded / unloaded	m/s	0.45 / 0.32	0.48 / 0.35	
	<b>Max. Drawbar Pull</b>	33	loaded	kg	5,600	6,500	
	<b>Max. Gradeability</b>	34	loaded / unloaded	%	25 / 20	30 / 28	
<b>Systems</b>	<b>Brakes</b>	35	service		Foot / Hyd	Foot / Hyd	
		36	parking		Hand / Mech	Hand / Mech	
		37	manufacturer		Yuchai	Isuzu	
	<b>Engine</b>	38	model		YC4A125	A-6BG1QC-02	
		39	emission compliance		CHN Stage III	EU Stage I	
		40	cylinders		4	6	
		41	displacement	liters	4.84	6.49	
		42	rated power	kW/rpm	92 / 2,200	82.4 / 2,000	
		43	Max. torque	N · m/rpm	480 / 1,400-1,800	416.8 / 1,500	

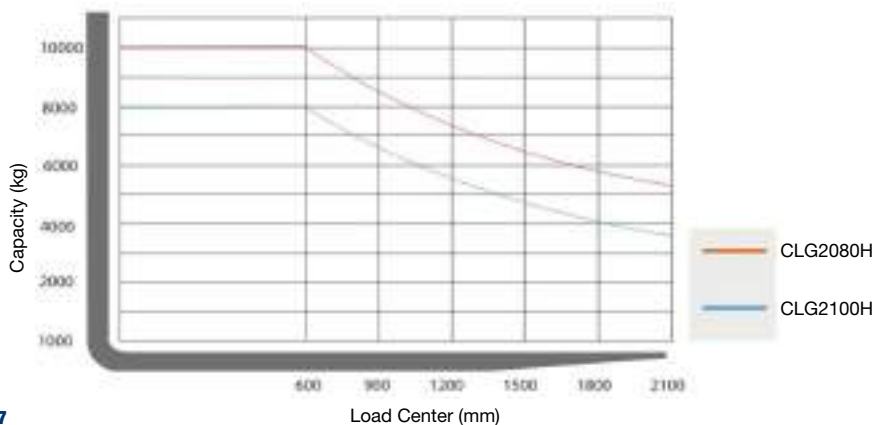


# CAPACITY

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			
					2080H	2100H	2080H	2100H	2080H	2100H
	mm	mm	mm	degree	kg @ (600mm LC)		kg @ (600mm LC)		Kg	
Standard 2-Stage	3000	2696	200	6 / 12	8000	10000	7430	9340	11500	12800
	3500	2946	200	6 / 12	8000	10000	7430	9340	11630	12930
	4000	3246	200	6 / 12	8000	10000	7430	9340	11770	13070
	4500	3496	200	6 / 12	8000	10000	7430	9340	11900	13200
	5000	3746	200	6 / 6	7780	9450	7230	8820	12040	13340
	5500	4046	200	3 / 6	7430	9000	6890	8390	12170	13470
6000	4296	200	3 / 6	7000	8550	6490	7960	12310	13610	

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			
					2080H	2100H	2080H	2100H	2080H	2100H
	mm	mm	mm	degree	kg @ (600mm LC)		kg @ (600mm LC)		Kg	
Full Free 2-Stage	3000	2716	1500	6 / 12	8000	10000	7430	9340	11600	12900

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			
					2080H	2100H	2080H	2100H	2080H	2100H
	mm	mm	mm	degree	kg @ (600mm LC)		kg @ (600mm LC)		Kg	
Full Free 3-Stage	3500	2441	1160	6 / 12	7430	9340	6860	8680	12200	13320
	4500	2773	1492	6 / 12	7430	9340	6860	8680	12230	13530
	6000	3271	1990	3 / 6	6490	7960	5920	7300	12630	13930



**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 1200mm 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

- Yuchai 4A125 diesel engine
- Two-speed automatic transmission
- High strength drive axle
- Heavy duty steering axle
- Elevated air pre-cleaner
- Fuel system pre-filter
- Radiator
- Vertical exhaust

## HYDRAULIC SYSTEM

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

## ELECTRIC SYSTEM

- 2 batteries
- Front flood lights
- Front steering lights
- Rear combination lights
- Rear working 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
- 2210mm Wide shaft type carriage
- Load backrest
- 1520mm long shaft type 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

- Isuzu A-6BG1QC-02 diesel engine
- 2nd refined air filter
- Middle exhaust

## HYDRAULIC SYSTEM

- 3-funtion hydraulic valve
- 4-funtion hydraulic valve
- Hydraulic oil radiator

## ELECTRIC SYSTEM

- 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 shaft type pallet forks

## OPERATION STATION

- Enclosed cabin
- Heater for cabin
- Operator fan
- Fire extinguisher
- Anti-corrosion lifting and tilting cylinde
- Protective cover for tilt cylinde
- Master key
- Hydraulic electronic shifting
- Half-suspension vinyl seat(tiancheng)
- Grammer full-suspension vinyl seat