



TOUGH WORLD. TOUGH EQUIPMENT.

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# CLG2080H-100H

FORKLIFT



# LIUGONG



TOUGH WORLD. TOUGH EQUIPMENT.

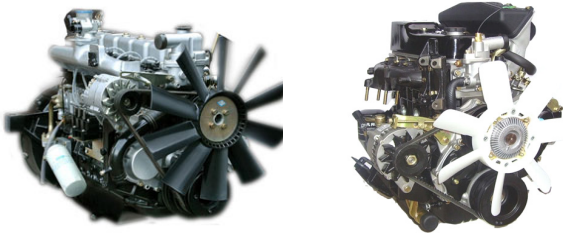
# MAXIMIZE YOUR RETURN ON INVESTMENT

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

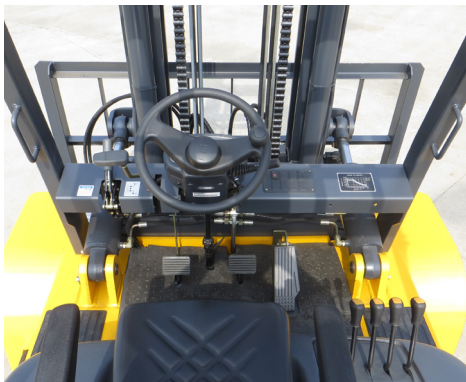
Unmatched performance driven by the World-Class Engine.



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## ERGONOMIC

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





## COMFORTABLE

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



## HIGH EFFICIENCY

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

## GOOD VIEW

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



## MAINTAINING

The engine hood and rear hood with big angle for easy to maintain.



## 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.

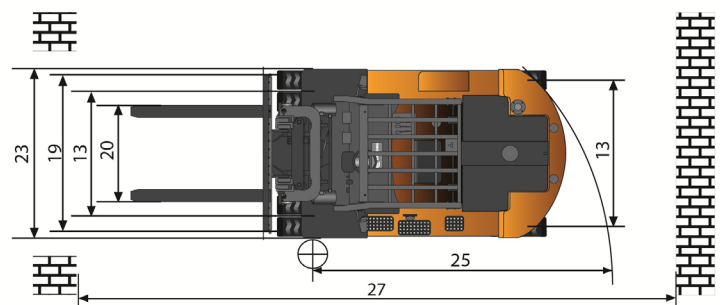
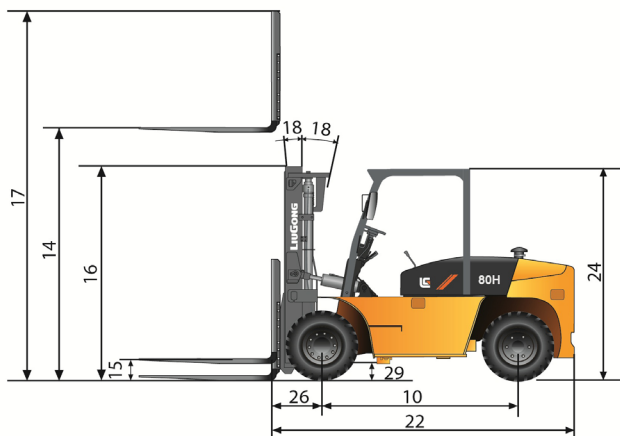
## AFTER SALES SERVICE

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

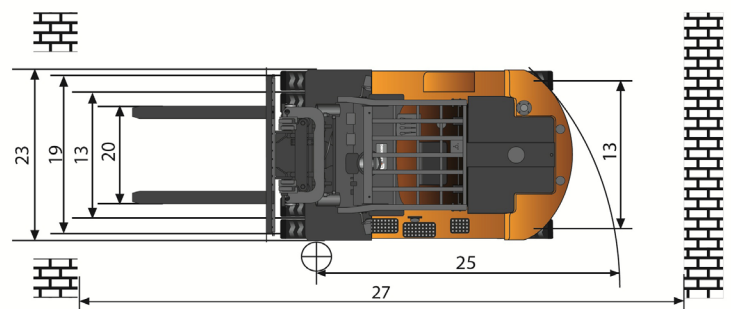
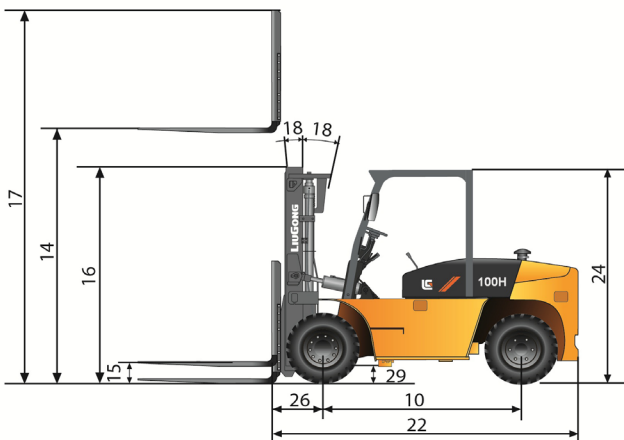
<b>General</b>	<b>Model</b>	1				CLG2080H	
	<b>Power Type</b>	2				Diesel	
	<b>Base Capacity</b>	3	@rated load center	kg		8,000	
	<b>Load Center</b>	4		mm		600	
<b>Weights</b>	<b>Service Weight</b>	5	unloaded	kg		11,500	
	<b>Axle Load</b>	6	loaded / unloaded, front	kg		17,800 / 5,600	
		7	loaded / unloaded, 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	
<b>Mast</b>	<b>Tread Width</b>	13	front / rear			1,600 / 1,720	
	<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		2,851	
	<b>Height, Upright Extended</b>	17	with std 2-stage mast	mm		4,386	
	<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		70×170×1,520	
	<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		2,620	
<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		3,440	
<b>Ground Clearance</b>		28	minimum loaded	mm		246	
		29	center of wheelbase	mm		300	
<b>Performance</b>		<b>Travel Speed</b>	30	loaded / unloaded	km/h	26 / 28	26 / 28 23 / 25
	<b>Lift Speed</b>	31	loaded / unloaded	m/s	0.36 / 0.43	0.36 / 0.43 0.41 / 0.44	
	<b>Lower Speed</b>	32	loaded / unloaded	m/s	0.5 / 0.4	0.5 / 0.4 0.5 / 0.4	
	<b>Max. Drawbar Pull</b>	33	loaded	kg	6,000	5,600 6,000	
	<b>Max. Gradeability</b>	34	loaded / unloaded	%	30 / 28	30 / 28 30 / 28	
<b>Systems</b>	<b>Brakes</b>	35	service		Foot / Hyd	Foot / Hyd Foot / Hyd	
		36	parking		Hand / Mech	Hand / Mech Hand / Mech	
		37	manufacturer		Yuchai	Cummins	Isuzu
	<b>Engine</b>	38	model		YC4A125	QSF3.8	A-6BG1QC-02
		39	emission compliance		CHN Stage III	CHN Stage III, Eu Stage III	EU Stage I
		40	cylinders		4	4	6
		41	displacement	liters	4.84	3.76	6.49
		42	rated power	kW/rpm	92 / 2,200	86 / 2,200	82.4 / 2,000
		43	Max. torque	N · m/rpm	480 / 1,400-1,800	470 / 1,100-1,700	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			12,500	
	<b>Axle Load</b>	6	loaded / unloaded, front	kg			20,150 / 5,470	
		7	loaded / unloaded, rear	kg			2,350 / 7,030	
<b>Tires</b>	<b>Tire Type</b>	8					Pneumatic	
	<b>Wheels</b>	9	front / rear				4 / 2	
	<b>Wheelbase</b>	10		mm			2,800	
		11	front				9.00-20-14PR	
	12	rear				9.00-20-14PR		
	<b>Tread Width</b>	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			2,851	
	<b>Height, Upright Extended</b>	17	with std 2-stage mast	mm			4,386	
	<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			80x175x1,520	
	<b>Length to Fork Face</b>	22	with std 2-stage mast	mm			4,260	
<b>Chassis</b>	<b>Overall Width</b>	23		mm			2,210	
	<b>Overhead Guard Height</b>	24		mm			2,620	
	<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			3,665	
	<b>Ground Clearance</b>	28	minimum loaded	mm			246	
		29	center of wheelbase	mm			300	
	<b>Performance</b>	<b>Travel Speed</b>	30	loaded / unloaded	km/h	26 / 28	26 / 28	23 / 25
		<b>Lift Speed</b>	31	loaded / unloaded	m/s	0.34 / 0.38	0.36 / 0.43	0.34 / 0.42
<b>Lower Speed</b>		32	loaded / unloaded	m/s	0.4 / 0.32	0.5 / 0.4	0.4 / 0.32	
<b>Max. Drawbar Pull</b>		33	loaded	kg	6,200	5,800	6,800	
<b>Max. Gradeability</b>		34	loaded / unloaded	%	30 / 28	30 / 28	30 / 28	
<b>Systems</b>	<b>Brakes</b>	35	service		Foot / Hyd	Foot / Hyd	Foot / Hyd	
		36	parking		Hand / Mech	Hand / Mech	Hand / Mech	
		37	manufacturer		Yuchai	Cummins	Isuzu	
	<b>Engine</b>	38	model		YC4A125	QSF3.8	A-6BG1QC-02	
		39	emission compliance		CHN Stage III	CHN Stage III, Eu Stage III	EU Stage I	
		40	cylinders		4	4	6	
		41	displacement	liters	4.84	3.76	6.49	
		42	rated power	kW/rpm	92 / 2,200	86 / 2,200	82.4 / 2,000	
		43	Max. torque	N · m/rpm	480 / 1,400-1,800	470 / 1,100-1,700	416.8 / 1,500	

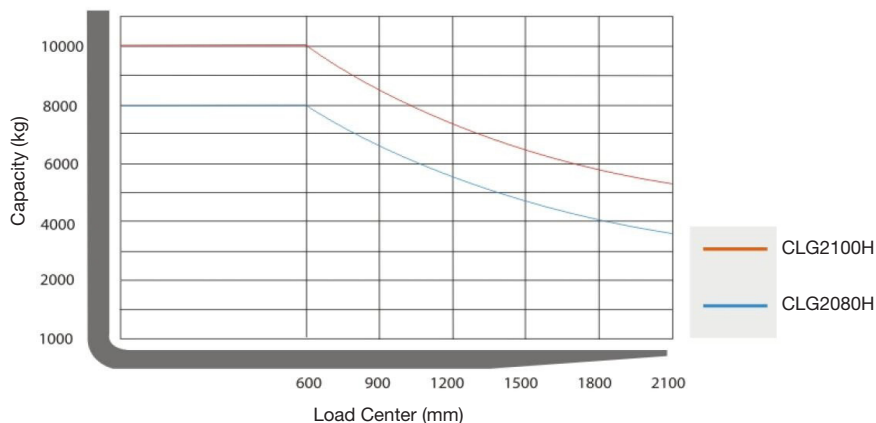


# CAPACITY

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			
					2080H	2100H	2080H	2100H
	mm	mm	mm	degree	kg @ (600mm LC)		Kg	
Standard 2-Stage	3000	2851	200	6 / 12	8000	10000	11500	12500
	3500	3101	200	6 / 12	8000	10000	11610	12610
	4000	3401	200	6 / 12	8000	10000	11710	12710
	4500	3651	200	6 / 12	8000	10000	11800	12800
	5000	3901	200	6 / 6	7780	9450	11980	12980
	5500	4201	200	3 / 6	7430	8000	12180	13180
	6000	4451	200	3 / 6	7000	7550	12280	13280

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			
					2080H	2100H	2080H	2100H
	mm	mm	mm	degree	kg @ (600mm LC)		Kg	
Full Free 2-Stage	2851	2716	1500	6 / 12	8000	10000	11605	12605

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			
					2080H	2100H	2080H	2100H
	mm	mm	mm	degree	kg @ (600mm LC)		Kg	
	4500	2873	1492	6 / 12	7430	9340	12235	13235
	6000	3371	1990	3 / 6	6490	7960	12633	13633



**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-function 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-function hydraulic valve
- 4-function 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 cylinder
- Protective cover for tilt cylinder
- Master key
- Hydraulic electronic shifting
- Half-suspension vinyl seat(tiancheng)
- Grammer full-suspension vinyl seat