



**THUBAS TUNGGAL PERKASA**  
Make it Better | Your Solutions | Customer is Our Goal

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## LIUGONG 062017-ENG

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**CLG2050H(LIGHT)**  
FORKLIFT



Doc+or   
**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 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.

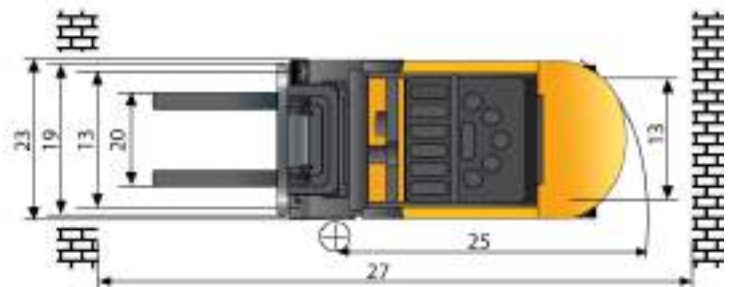
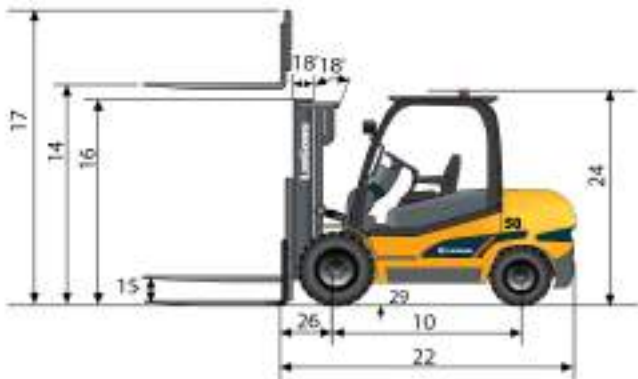
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## AFTER SALES SERVICE

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.

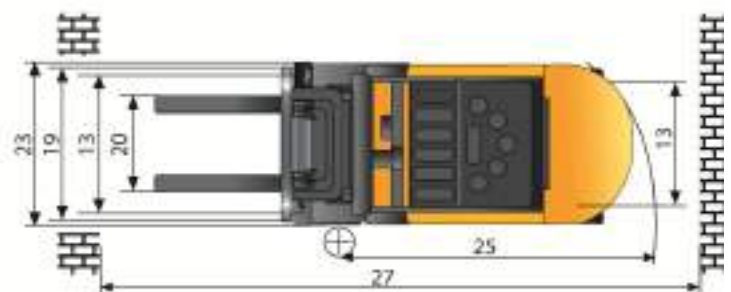
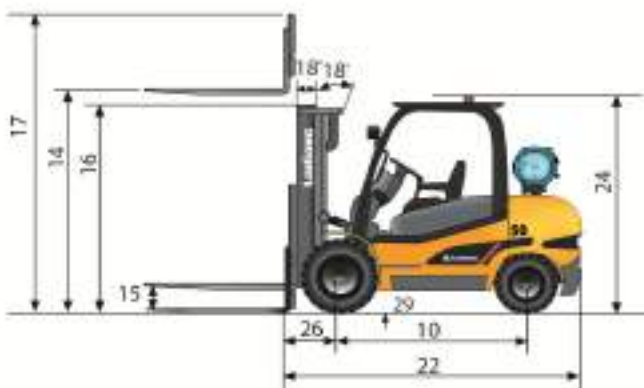
# SPECIFICATION

<b>General</b>	<b>Model</b>	1				CLG2050H(LIGHT)	
	<b>Power Type</b>	2				Diesel	
	<b>Base Capacity</b>	3	@rated load center	kg		5,000	
	<b>Load Center</b>	4		mm		500	
<b>Weights</b>	<b>Service Weight</b>	5	unloaded	kg		6,850	
	<b>Axle Load</b>	6	loaded / unloaded, front	kg		10,665 / 3,083	
		7	loaded / unloaded, rear	kg		1,185 / 3,767	
<b>Tires</b>	<b>Tire Type</b>	8				Pneumatic	
	<b>Wheels</b>	9	front / rear			2 / 2	
	<b>Wheelbase</b>	10		mm		2,000	
	<b>Tire Size</b>	11	front				300-15-18PR
		12	rear				7.0-12-12PR
13	front / rear					1,180 / 1,190	
<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		195	
	<b>Height, Upright Lowered</b>	16	with std 2-stage mast	mm		2,290	
	<b>Height, Upright Extended</b>	17	with std 2-stage mast	mm		4,350	
	<b>Mast Tilt, Fwd/Back</b>	18	with std 2-stage mast	deg		6° / 12°	
	<b>Carriage</b>	19	width	mm		1,450	
	<b>Fork Spread</b>	20	minimum / maximum	mm		348 / 1,238	
	<b>Fork Dimensions</b>	21	T x W x L	mm		50 x 150 x 1,070	
<b>Chassis</b>	<b>Length to Fork Face</b>	22	with std 2-stage mast	mm		3,150	
	<b>Overall Width</b>	23		mm		1,480	
	<b>Overhead Guard Height</b>	24		mm		2,310	
	<b>Turning Radius</b>	25	minimum outside	mm		2,800	
	<b>Fork Overhang</b>	26	with std 2-stage mast	mm		555	
	<b>Right Angle Stack</b>	27	add load length and clearance	mm		4,625	
	<b>Ground Clearance</b>	28	minimum loaded	mm		120	
		29	center of wheelbase	mm		135	
<b>Performance</b>	<b>Travel Speed</b>	30	loaded / unloaded	km/h	24 / 25	24 / 25	
	<b>Lift Speed</b>	31	loaded / unloaded	m/s	0.42 / 0.54	0.42 / 0.54	
	<b>Lower Speed</b>	32	loaded / unloaded	m/s	0.53 / 0.48	0.53 / 0.48	
	<b>Max. Drawbar Pull</b>	33	loaded	kg	3,300	3,300	
	<b>Max. Gradeability</b>	34	loaded / unloaded	%	20 / 20	20 / 20	
<b>Systems</b>	<b>Brakes</b>	35	service		Foot / Hyd	Foot / Hyd	
		36	parking		Hand / Mech	Hand / Mech	
	<b>Engine</b>	37	manufacturer		Xinchai	Cummins	
		38	model		4D35ZG31	B3.3	
		39	emission compliance		CHN Stage III	EU Stage IIIA	
		40	cylinders		4	4	
		41	displacement	liters	3.47	3.30	
		42	rated power	kW/rpm	60 / 2,200	60 / 2,200	
		43	Max. torque	N · m/rpm	300 / 1,800	304 / 1,600	



# SPECIFICATION

<b>General</b>	<b>Model</b>	1				CLG2050H(LIGHT)	
	<b>Power Type</b>	2				Dual: Gas/LPG	
	<b>Base Capacity</b>	3	@rated load center	kg		5,000	
	<b>Load Center</b>	4		mm		500	
<b>Weights</b>	<b>Service Weight</b>	5	unloaded	kg		6,850	
	<b>Axle Load</b>	6	loaded / unloaded, front	kg		10,665 / 3,083	
		7	loaded / unloaded, rear	kg		1,185 / 3,767	
<b>Tires</b>	<b>Tire Type</b>	8				Pneumatic	
	<b>Wheels</b>	9	front / rear			2 / 2	
	<b>Wheelbase</b>	10		mm		2,000	
	<b>Tire Size</b>	11	front				300-15-18PR
		12	rear				7.0-12-12PR
13	front / rear					1,180 / 1,190	
<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		195	
	<b>Height, Upright Lowered</b>	16	with std 2-stage mast	mm		2,290	
	<b>Height, Upright Extended</b>	17	with std 2-stage mast	mm		4,350	
	<b>Mast Tilt, Fwd/Back</b>	18	with std 2-stage mast	deg		6° / 12°	
	<b>Carriage</b>	19	width	mm		1,450	
	<b>Fork Spread</b>	20	minimum / maximum	mm		348 / 1,238	
	<b>Fork Dimensions</b>	21	T x W x L	mm		50 x 150 x 1,070	
<b>Chassis</b>	<b>Length to Fork Face</b>	22	with std 2-stage mast	mm		3,150	
	<b>Overall Width</b>	23		mm		1,480	
	<b>Overhead Guard Height</b>	24		mm		2,310	
	<b>Turning Radius</b>	25	minimum outside	mm		2,800	
	<b>Fork Overhang</b>	26	with std 2-stage mast	mm		555	
	<b>Right Angle Stack</b>	27	add load length and clearance	mm		4,625	
	<b>Ground Clearance</b>	28	minimum loaded	mm		120	
		29	center of wheelbase	mm		135	
<b>Performance</b>	<b>Travel Speed</b>	30	loaded / unloaded	km/h	24 / 25	24 / 25	
	<b>Lift Speed</b>	31	loaded / unloaded	m/s	0.56 / 0.59	0.56 / 0.59	
	<b>Lower Speed</b>	32	loaded / unloaded	m/s	0.53 / 0.48	0.53 / 0.48	
	<b>Max. Drawbar Pull</b>	33	loaded	kg	3,300	3,300	
	<b>Max. Gradeability</b>	34	loaded / unloaded	%	20 / 20	20 / 20	
<b>Systems</b>	<b>Brakes</b>	35	service		Foot / Hyd	Foot / Hyd	
		36	parking		Hand / Mech	Hand / Mech	
		37	manufacturer		PSI	PSI	
	<b>Engine</b>	38	model		GM4.3	GM4.3	
		39	emission compliance		EPA Tier IV	Non-Certified	
		40	cylinders		6	6	
		41	displacement	liters	4.30	4.30	
		42	rated power	kW/rpm	77.5 / 2,300	77.5 / 2,300	
		43	Max. torque	N · m/rpm	323.6 / 1,700	323.6 / 1,700	

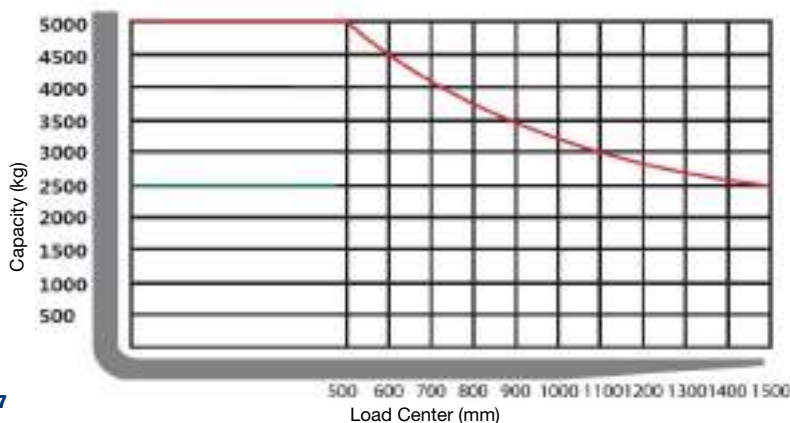


# CAPACITY

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Freee Lift with Load Backrest	Mast Tilt Angle (F/B)	Rated Load Capacity		Total Weight with Standard Forks
					With Standard Forks	With Sideshifter	
					2050H(LIGHT)	2050H(LIGHT)	
	mm	mm	mm	degree	kg @ (500mm LC)	kg @ (500mm LC)	Kg
Standard 2-Stage	2700	2132	180	6 / 12	5000	4700	6800
	3000	2282	180	6 / 12	5000	4700	6850
	3500	2532	180	6 / 12	5000	4700	6900
	4000	2832	180	6 / 6	5000	4700	7035
	4500	3082	180	6 / 6	4500	4200	7100
	5000	3382	180	3 / 6	4000	3700	7180

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Freee Lift with Load Backrest*	Mast Tilt Angle (F/B)	Rated Load Capacity		Total Weight with Standard Forks
					With Standard Forks	With Sideshifter	
					2050H(LIGHT)	2050H(LIGHT)	
	mm	mm	mm	degree	kg @ (500mm LC)	kg @ (500mm LC)	Kg
Full Free 2-Stage	2700	2132	762	6 / 12	5000	4700	6900
	3000	2282	837	6 / 12	5000	4700	6950

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Freee Lift with Load Backrest*	Mast Tilt Angle (F/B)	Rated Load Capacity		Total Weight with Standard Forks
					With Standard Forks	With Sideshifter	
					2050H(LIGHT)	2050H(LIGHT)	
	mm	mm	mm	degree	kg @ (500mm LC)	kg @ (500mm LC)	Kg
Full Free 3-Stage	4500	2272	962	6 / 6	4500	4200	7015
	4800	2432	1082	6 / 6	4300	4000	7135
	5000	2502	1132	3 / 6	4000	3700	7215



**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

- Xinchai 4D35ZG31 diesel engine
- 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-function hydraulic valve
- Hydrostatic steering
- Oil filter for intake and return

## ELECTRIC SYSTEM

- 2 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
- 1400mm 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

- Cummins B3.3 diesel engine
- PSI GM4.3 engine (Gas/LPG)
- Elevated air pre-cleaner
- 2nd refined air filter
- Vertical exhaust

## HYDRAULIC SYSTEM

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

## 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 I 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