

CLGA20~35S/CE

BATTERY COUNTERWEIGHT FORKLIFT



Liuzhou Liugong Forklift Co., Ltd.
No. 1 Yanghe Road, Liuzhou, Guangxi 545007,
PR China
T: +86 772 388 6124
E: overseas@liugong.com
MH: www.lgforklift.cn

Like and follow us:



LG-PG-082022-ENG

The Liugong series of logos herein, including but not limited to word marks, device marks, letter of alphabet marks and combination marks, as the registered trademarks of Guangxi Liugong Group Co., Ltd. are used by Guangxi Liugong Machinery Co., Ltd. with legal permission, and shall not be used without permission. Specifications and designs are subject to change without notice. Illustrations and pictures may include optional equipment and may not include all standard equipment. Equipment and options varies by regional availability.

TOUGH WORLD. TOUGH EQUIPMENT.

COMFORTABLE

Comfortable operating space, ergonomic design layout, to bring the operator a comfortable driving experience.



TILTABLE STEERING COLUMN

- Automatic return of steering wheel, $\Phi 300\text{mm}$ small diameter steering wheel for easy steering.



PARKING BREAK

- New hand brake, reduced operating force by 15% easy to pull up.



WIDER HANDLE

- The widen handrail.



FOOT PEDAL

- Easy and lower foot pedal.



COMFORTABLE OPERATE SPACE

- Ergonomic layout and control space increased by 20%.



COMFORTABLE SEAT

- Enough space for the seat forward and backward, suitable for different height operator.
- Spacious seat.
- The optional adjustable Grammer seat, with body weight adjust, forward and backward adjustable full-suspension seat, ensures the operator remains comfortable over long time.



REVERSE HANDLE (OPTIONAL)

- Reverse handrail with horn button.



BRAKING

- The braking friction area increased by 30%, smaller braking control force, stronger braking performance.



High visibility mast

- Spacious mast view, increased by 10%.

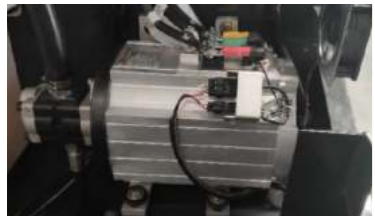
CAPABLE

Inherit the DNA representing Liugong's high-end equipment, with excellent performance, intelligence safety, and inherit the reliable and durable quality of Liugong's machinery and equipment.



FULL AC CONTROL SYSTEM

- with self protection and self diagnosis functions, mature technology and high reliability.



FULL AC HIGH PERFORMANCE MOTOR

- AC asynchronous motor, no carbon brush, maintenance-free, aluminum motor shell, large heat dissipation fins, good heat dissipation performance and high reliability.



METAL COVER

- The body, battery cover and controller cover are all made of metal, which are strong and durable.

WORKING



MAST

- The distance of the mast tilting cylinder support from the ground is increased, and the mast is more stable, which can meet the load-bearing requirements of different attachments, with more reliability and durability.

LED LIGHT

- Use LED light, high brightness, long life, save more energy.

TYRE

- 3.5t standard solid core large tire with longer service life.

INTELLIGENT

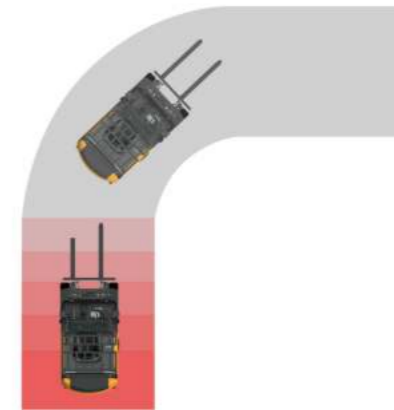
The application of vehicle intelligent technology improves the efficiency of vehicle use and management.

INTELLIGENT INSTRUMENT

- A: Vehicle operation mode switching, with page-turning function.
- B: Vehicle information display, with page turning function.
- C: Screen input password, press key 3.
- D: After entering the password, with return function.

TURNING AUTOMATIC DECELERATION (OPTIONAL)

- Automatic Curve Deceleration System (OPTIONAL).



SPECIFICATION

General	Model	1			CLGA20-S/CE	CLGA25-S/CE	CLGA30-S/CE	CLGA35-S/CE
	Power Type	2			Electric	Electric	Electric	Electric
Base Capacity	3	@rated load center	kg	2000	2500	3000	3500	
	4		mm	500	500	500	500	
Service Weight	5	unloaded	kg	3675	3966	4860	5260	
	6	loaded / unloaded, front	kg	4831/1647	5850/1815	6762/2108	7770/2280	
Axle Load	7	loaded / unloaded, rear	kg	658/1842	730/2265	852/2506	960/2980	
	8			Pneumatic	Pneumatic	Pneumatic	Cushion	
Tire Type	9	front / rear		2 / 2	2 / 2	2/2	2/2	
	10		mm	1542	1542	1650	1650	
Tire Size	11	front		7.00-12-12PR	7.00-12-12PR	28×9-15-14PR	28×9-15	
	12	rear		18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	18×7-8	
Tread Width	13	front / rear	mm	966/880	966/880	1005/956	1005/956	
	14		mm	3000	3000	3000	3000	
Free lift	15		mm	110	110	80	80	
	16		mm	2080	2080	2083	2083	
Height, Upright Extended	17		mm	4040	4040	4143	4143	
	18		deg	6/12	6/12	6/12	6/12	
Carriage	19	width	mm	1040	1040	1100	1100	
	20	minimum / maximum	mm	244/1032	244/1032	272/1072	272/1072	
Fork Dimensions	21	T x W x L	mm	40 x 122 x 1070	40 x 122 x 1070	45×122×1070	50×122×1070	
	22	with 2-stage / full-free 3-stage mast	mm	2350	2355	2543	2548	
Overall Width	23		mm	1150	1150	1264	1264	
	24		mm	2150	2150	2215	2215	
Turning Radius	25	minimum outside	mm	2050	2050	2210	2210	
	26	with 2-stage / full-free 3-stage mast add load length and clearance	mm	455	455	471	476	
Right Angle Stack	27		mm	3705	3705	3881	3886	
	28	minimum loaded	mm	120	120	140	140	
Ground Clearance	29	center of wheelbase	mm	85	85	155	155	
	30	length / width / height	mm	1028×570×780	1028×570×780	1138×680×760	1138×680×760	
Travel Speed	31	loaded / unloaded	km/h	14/14	14/14	14/15	14/15	
	32	loaded / unloaded	mm/s	280/430	280/430	280/400	280/400	
Lower Speed	33	loaded / unloaded	mm/s	500/450	500/450	440/430	440/430	
	34	5-minute working system	kg	1170	1620	1633	1531	
Max. Drawbar Pull	35	60-minute working system	kg	220	355	336	336	
	36	5-minute working system	%	15	15	15	15	
Max. Gradeability	37	brand		Jiachen	Jiachen	Jiachen	Jiachen	
	38	drive output (60 min. rating)	kw	11	11	16	16	
Controllers	39	hydraulic output (15 min. rating)	kw	15	15	16	16	
	40	type		lead-acid battery	lead-acid battery	lead-acid battery	lead-acid battery	
Battery	41	voltage	V	80	80	80	80	
	42	standard capacity (5 hour rating)	Ah	300/350	300/350	400/500/600	400/500/600	

STANDARD CONFIGURATION

POWER SYSTEM

- lead-acid battery 300Ah (CLGA20-25-S/CE)
- lead-acid battery 400Ah (CLGA30-35-S/CE)
- AC control system
- AC drive motor
- AC pump motor
- 350A battery plug

HYDRAULIC SYSTEM

- Low noise pump
- Oil suction filter
- Oil return filter element
- Two way valve
- Speed limiting valve
- Explosion proof valve
- Load sensing steering system

ELECTRICAL SYSTEM

- Chinese and English large screen LCD Meter
- LED headlamp
- LED rear combination lamp
- Emergency stop button
- Electric horn
- Reversing buzzer

CHASSIS SYSTEM

- Pneumatic tire
- H-type reduction gearbox
- Traction pin
- 3.5t standard solid tire

OPERATION CABIN

- Overhead guard
- Seat
- Adjustable steering column
- Double rearview mirror
- AC pump motor
- Non slip floor
- Cup holder
- 300mm small diameter steering wheel

MAST SYSTEM

- 3.0m standard 2-stage mast.
- Carriage
- Load backrest
- Fork

OPTIONAL CONFIGURATION

BATTERY

- lead-acid battery 350Ah (CLGA20-25-S/CE)
- lead-acid battery 500AH \ 600AH (CLGA30-35-S/CE)

HYDRAULIC SYSTEM

- 3-Function control valve
- 4-Function control valve

ELECTRICAL SYSTEM

- Warning light
- Reversing blue light
- Area warning light
- Automatic deceleration for turning
- Ops operator presence sensing system

CHASSIS

- Solid tire
- Non-marking solid tire
- Electrostatic discharge tape

MAST SYSTEM

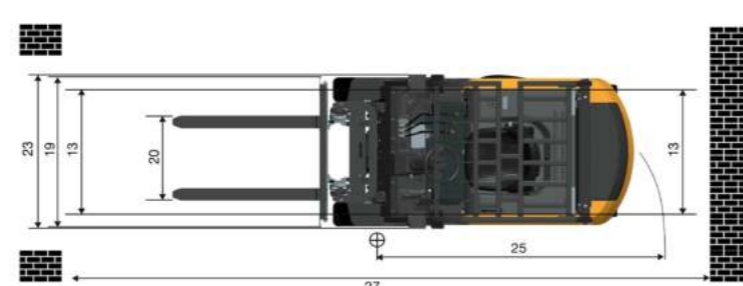
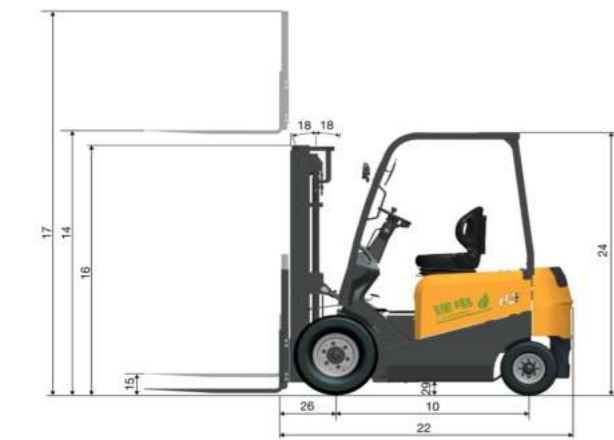
- Standard 2-stage mast
- Full Free 2-stage mast
- Full Free 3-stage mast

ACCESSORY

- Fork length (optional)
- Sideshifter
- Fork positioner
- Clamp

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			
					CLGA20-S/CE	CLGA25-S/CE	CLGA20-S/CE	CLGA25-S/CE	CLGA20-S/CE	CLGA25-S/CE
	mm	mm	mm	°	kg @ (500mm)		kg @ (500mm)		Kg	
Standard 2-Stage	2000	1740	110	6 / 10	2000	2500	1850	2300	3420	3897
	2300	1690	110	6 / 12	2000	2500	1850	2300	3440	3917
	2500	1840	110	6 / 12	2000	2500	1850	2300	3455	3932
	2700	1940	110	6 / 12	2000	2500	1850	2300	3469	3946
	3000	2090	110	6 / 12	2000	2500	1850	2300	3489	3966
	3300	2240	110	6 / 12	2000	2500	1850	2300	3510	3987
	3500	2340	110	6 / 12	2000	2500	1850	2300	3523	4000
	4000	2640	110	6 / 12	1890	2390	1700	2190	3597	4074
Full Free 2-Stage	2700	1940	860	6 / 12	2000	2500	1850	2300	3497	3974
	3000	2090	1010	6 / 12	2000	2500	1850	2300	3519	3996
	3300	2240	1160	6 / 12	2000	2500	1850	2300	3541	4018
	3500	2340	1260	6 / 12	2000	2500	1850	2300	3556	4033
	4000	2640	1560	6 / 6	1890	2390	1700	2190	3621	4098
Full Free 3-Stage	4500	2130	1070	6 / 6	1700	2100	1500	1900	3704	4181
	4700	2200	1140	6 / 6	1620	1900	1420	1700	3720	4197
	4800	2230	1170	6 / 6	1580	1800	1380	1600	3728	4205
	5000	2300	1240	3 / 6	1500	1600	1300	1400	3742	4219
	5500	2520	1640	3 / 6	1200	1300	1000	1100	3809	4286
	6000	2680	1620	3 / 6	900	1000	700	800	3846	4323



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			
					CLGA30-S/CE	CLGA35-S/CE	CLGA30-S/CE	CLGA35-S/CE	CLGA30-S/CE	CLGA35-S/CE
	mm	mm	mm	°	kg @ (500mm)		kg @ (500mm)		Kg	
Standard 2-Stage	3000	2120	80	6 / 12	3000	3500	2750	3250	4614	5260
	3300	2270	80	6 / 12	3000	3450	2750	3200	4640	5286
	3500	2370	80	6 / 12	2750	3250	2600	3100	4663	5309
	4000	2670	80	6 / 6	2600	3100	2500	3000	4740	5386
	4500	2920	80	6 / 6	2400	2900	2300	2800	4754	5400
	5000	3220	80	3 / 6	2200	2700	2100	2600	4828	5474
	5500	3670	80	3 / 6	2100	2600	2000	2500	4875	5521
	6000	4020	80	3 / 6	2000	2500	1900	2400	4950	5596
Full Free 2-Stage	2500	1870	714	6 / 12	2500	3000	2250	2750	4630	5276
	3000	2120	964	6 / 12	3000	3500	2750	3250	4674	5320
	3500	2370	1214	6 / 12	2750	3250	2600	3100	4723	5369
	4000	2640	1560	6 / 6	2500	3000	2250	2750	4630	5276
Full Free 3-Stage	3600	1815	659	6/6	2650	3150	2450	2950	4800	5455
	4000	1950	794	6/6	2450	2950	2250	2750	4809	5490
	4500	2120	964	6/6	2250	2750	2050	2550	4884	5530
	4700	2190	1034	6/6	2100	2600	1950	2350	4904	5550
	5000	2295	1134	3/6	1900	2400	1600	2100	4954	5600
	5500	2450	1304	3/6	1700	2200	1450	1950	5044	5690
6000	2630	1474	3/6	1500	2000	1300	1800	5094	5740	

