

LIUGONG



Model
Drive
Capacity

CLGA16/18-T
Electrical
1600 / 1800kg

CLGA16/18-T
THREE WHEEL FORKLIFTS

TOUGH WORLD. TOUGH EQUIPMENT. RAISING EXPECTATIONS.

MODERN

As a professional operator you expect the best and with LiuGong, you won't be disappointed. Our **modern, ergonomic**, compact machines are designed around your safety, comfort and operational performance.

Our UK based, **Red Dot award winning design team** put you at the very heart of the machine and give you everything you want – without compromise.

THE ULTIMATE CONTROL

You told us you wanted sensitive and responsive control. We've delivered with 3 selectable performance modes:

- S – Slow,
- P – Power and E- Economy.

In addition, you can pre-programme your own travel speed limits to suit your site requirements.

With safety in mind, our Ramp Hold feature, keeps the lift temporarily in place on an incline before initiating a controlled slow-speed roll back.



ACCIDENT REDUCTION WITH OPS SYSTEM

Safety is our priority. Our OPS system will trigger audio and visual alarms if the operator leaves the machine without setting the park brake.



ADJUSTABLE STEERING

Enjoy the perfect steering position with a fully adjustable steering column.

UNRIVALLED VISIBILITY

Safety and productivity start with excellent visibility. Our intelligently designed OVH guard and high front beam tilt create near perfect visibility helping you work safely and effectively.



ERGONOMIC

From the start of the shift to the end, your comfort and safety matters. Our ergonomic design approach puts you at the heart of the machine.

CLUB CLASS SEAT

When it comes to seats, you expect comfort and support. We've listened and delivered with a Grammar full suspension seat with integrated adjustable electrical joystick and controls. No matter how long your shift, you can relax into it in comfort (OPT).



ADJUSTABLE ARM REST

It's a small detail, but we know it matters. With our fully adjustable arm rest (forwards, backwards, up, down) you'll be able to find your perfect operating position (OPT).



REAR HANDLE WITH HORN

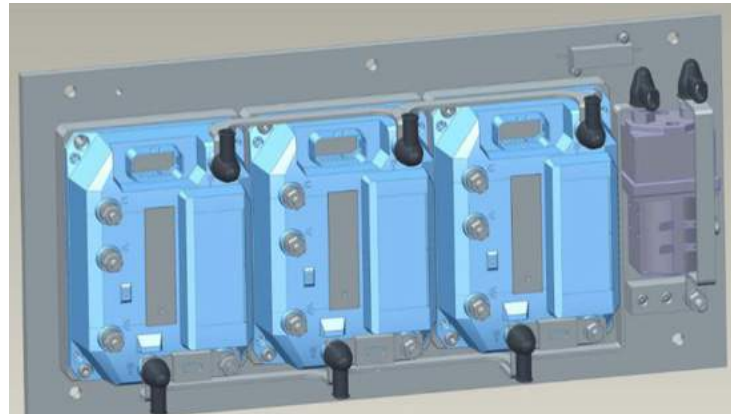
For optimized safety for drivers and surrounding (OPT).



SPACIOUS COCKPIT

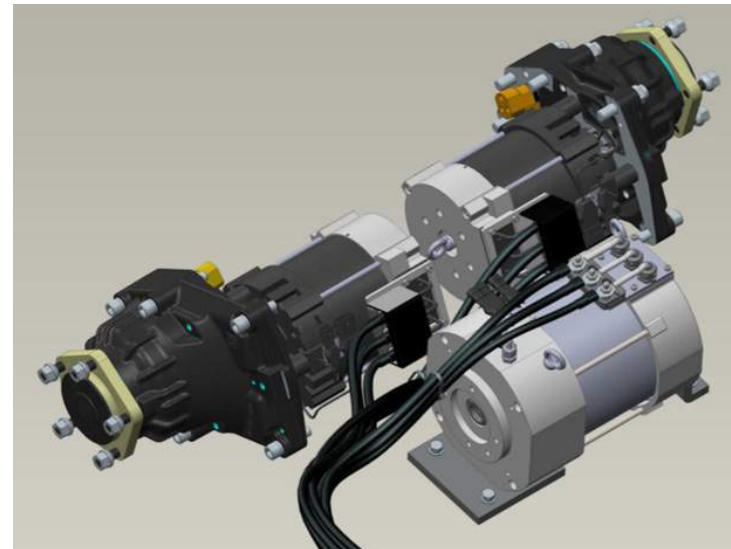
Optimized cockpit design ,giving space for the driver and comfort . Our award-winning design team are experts at creating extra space and comfort – it's not magic it's just great design.

DURABLE:DESIGN



RELIABILITY AND PERFORMANCE

Inmotion AC traction controller and AC pump controller provide proven reliability and performance



MAINTENANCE FREE LONG LIFE

AC traction motor and AC pump motor; both with temperature sensor for high temperature protection, brushless system for maintenance free long life.

ZF transmission with wet disc brake system for maintenance free long life.



LED LIGHTS

LED combination lights and LED working lights (OPT) offer excellent visibility in all circumstances, with a very low energy consumption.



REXROTH PROPORTIONAL VALVE

From world class supplier rexroth, offering electric proportional valve of high quality combined with excellent performance(optional)



OVERHEAD GUARD

Solid overhead guard with shaped tube. With rear legs which can be replaced individually to reduce expense from damage

MAINTENANCE

LiuGong know that easy serviceability and afertsales support is critical for maintaing machine uptime.The new C-Series is designed for easy service access and quick diagnostics to ease maintenance and repair. Our factory trained dealer network,supported by LiuGong Regional Product Support Representatives,have the technical knowledge to keep your equipment operating at peak efficiency.These professionals are in turn,supported by Technical Product Specialists at LiuGong Machinery Europe B.V to support any issues which need additional attention.



BATTERY REMOVAL

Stamped battery hood opens at wide angle for battery maintenance and easy removal. Latches in place for security.

HIGH QUALITY LI-ION BATTERY (OPT)

Li-ION batteries to ensure a high-performance of the equipment, allowing extended hours of continued operation by use of short high-current opportunity charges. The Lion provides excellent performance and safety, with virtually zero maintenance. It provides a life span twice as long as a traditional lead-acid battery.



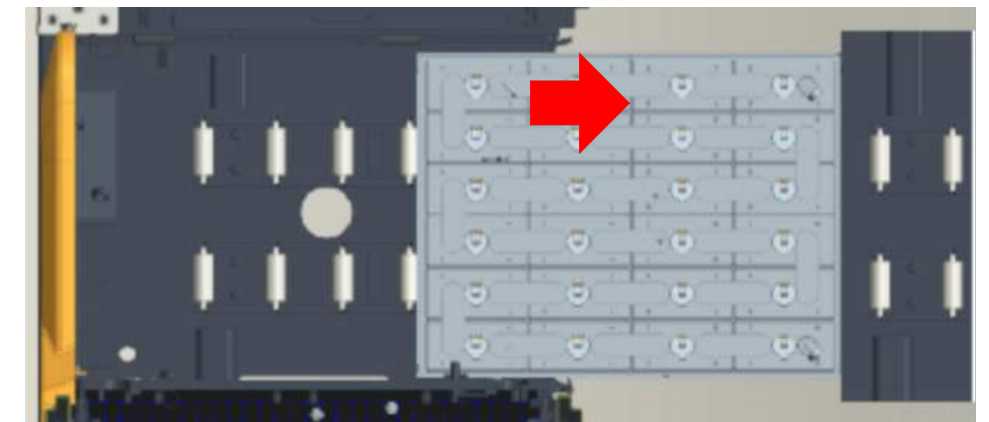
OPERATING TIME



SAFETY



MAINTENANCE



Roller support battery and battery can go to roller bed easily.

QUICK BATTERY REPLACEMENT

Frame with roller easy for battery side remove and replace, battery can be finished replaced in 4 minutes.



Controller on top of counter weight.It is easy to touch after remove the cover.Convience to service.



QUICK AND EFFICIENT MAINTENANCE

Easy and quick access with no tools required ,for quick servicing of key components of the truck.



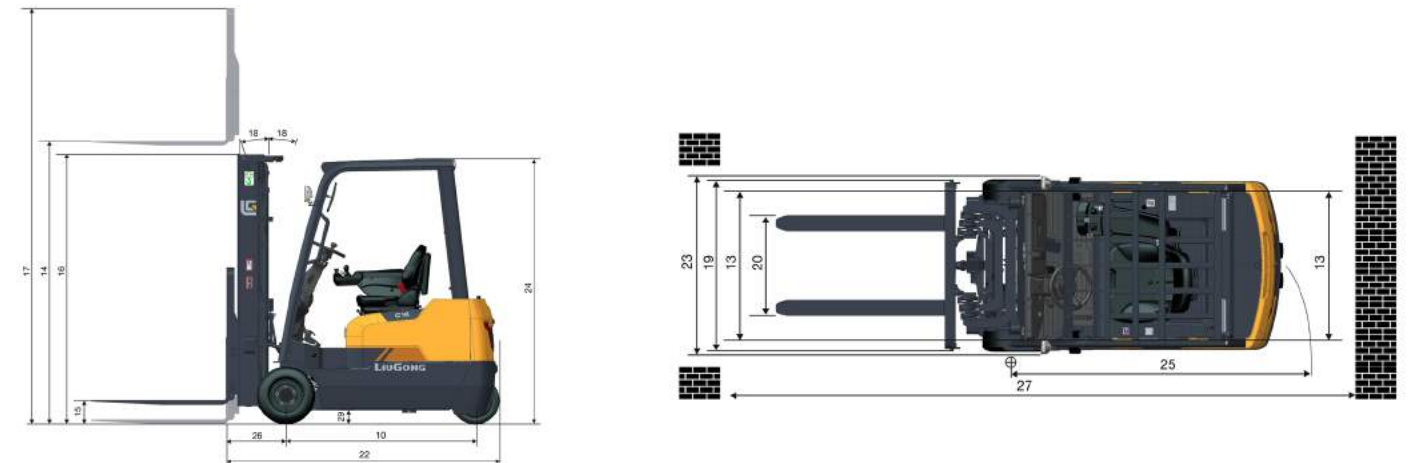
Brake oil reservoir conveniently located next to instrument panel.



SPECIFICATIONS

GENERAL					
Model	1		CLGA16-T	CLGA18-T	
Power Type	2		Battery	Battery	
Base Capacity	3	@ rated load center	kg	1600	1800
Load Center	4		mm	500	500
WEIGHTS					
Service weight	5	unloaded	kg	3350	3450
Axle Load	6	loaded/unloaded, front	kg	4371/1650	4650/1650
	7	loaded/unloaded, rear	kg	579/1700	600/1800
TIRES					
Tire Type	8		solid pneumatic	solid pneumatic	
Wheels	9	front / rear		2 / 2	
Wheelbase	10		mm	1390	1390
Tire Size	11	front		18x7-8	200/50-10
	12	rear		15x4.5-8	15x4.5-8
Tread Width	13	front / rear		925/200	925/200
MAST					
Max. Fork Height	14	with std 2-stage mast	mm	3300	3300
Freelift	15	with std 2-stage mast	mm	135	135
Height, Upright Lowered	16	with std 2-stage mast	mm	2213	2213
Height, Upright Extended	17	with std 2-stage mast	mm	4380	4380
Mast Tilt, Fwd/Back	18	with std 2-stage mast	mm	6° / 7°	6° / 7°
CHASSIS					
Carriage	19	width	mm	1040	1040
Fork Spread	20	minimum/maximum	mm	222/1010	222/1010
Fork Dimension	21	T x W x L	mm	35 x 100 x 920	35 x 100 x 920
Length to Fork Face	22	with std 2-stage mast	mm	1965	1965
Overall Width	23		mm	1080	1080
Overhead Guard Height	24		mm	2190	2190
Turning Radius	25	minimum outside	mm	1560	1560
Fork Overhang	26	with std 2-stage mast	mm	384	384
Right Angle Stack	27	add load length and clearance	mm	3237	3237
Ground Clearance	28	minimum loaded	mm	60	60
	29	center of wheelbase	mm	98	98
Battery Compartment	30	length/width/height	mm	830/522/627	830/522/627
PERFORMANCE					
Travel Speed	31	loaded/unloaded	km/h	15/15	15/15
lift speed	32	loaded/unloaded	m/s	0.4/0.5	0.4/0.45
Lower Speed	33	loaded/unloaded	m/s	0.5/0.4	0.5/0.4
Max. Drawbar Pull	34	5 min. rating	kg	1270	1270
	35	60 min. rating	kg	300	300
Max. Gradeability	36	5 min. rating	%	20	20
Energy consumption	37	max. throughput	kWh	5.88	6.2
SYSTEMS					
Controllers	38	drive/hydraulic (make, type)		Inmotion	Inmotion
Motors	39	drive output (60 min. rating)	kw	4.5x2	4.5x2
		hydraulic output (15 min. rating)	kw	11	11
Battery	40	type		Lead	Lead
	41	voltage	V	48	48
	42	max. capacity (6 hour rating)	Ah	500	500
	43	weight, minimum/maximum	kg	760/920	760/920
Sound pressure level at operator's ear according to EN 12053	44		dB (A)	70	70

LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.



STANDARD EQUIPMENT

POWER SYSTEM

- Traction Motor 2x4.5kW AC motor
- Pump motor 11kW AC motor
- Controller Inmotion
- Battery Chinese brand 48V 500Ah
- Charger 48V/65A
- Overhead guard 2190mm
- Rema 160A connector

ELECTRIC SYSTEM

- Work lights LED
- Rear combination lights LED
- Warning light
- Horn
- Back-up alarm
- OPS system

MAST AND ATTACHMENT

- Mast 3m
- Fork 920
- Carriage 1040

LABEL DECALS

- English

TRANSMISSION

- Transmission ZF
- Tires Solid pneumatic tire

HYDRAULIC SYSTEM

- 2 way machanical control valve
- Steering system Hydrostatic steering

OPTIONAL EQUIPMENT

BATTERY

- Lead-acid batteries Hawker battery 48V500Ah
- Lead-acid batteries Hawker battery 48V575Ah
- Lead-acid batteries Hawker battery 48V625Ah
- Lithium battery 48V 300Ah
- Lithium battery 48V 356Ah
- Lithium battery 48V 625Ah
- Battery side remove function
- Battery roller bed

HYDRAULIC CONTROL VALVE

- 2 way mechanical control valve
- 3 way mechanical control valve
- 4 way mechanical control valve
- 3 way electric proportional valve
- 4 way electric proportional valve

TIRE

- Front tires Non-marking solid pneumatic
- Rear tire Non-marking solid pneumatic
- Electrostatic discharge tape

FORK AND ATTACHEMENT

- Side shifter Cascade 55F-SSS-A270
- Fork 1070
- Fork 1220
- Fork 1370
- Fork 1520
- Fork 1670
- Fork 1820
- Fork 1970
- Fork 2120
- Fork 2440

SAFETY

- Blue spot light LED
- Rectangular area warning light LED
- Rear grip with horn switch
- Fire extinguisher
- Rear work light

MAST

- Standard 2-Stage
Maximum Fork Height (MFH) 2700mm(106.3in)
Maximum Fork Height (MFH) 3300mm(129.9in)
Maximum Fork Height (MFH) 3500mm(137.8in)
Maximum Fork Height (MFH) 4000mm(157.5in)

- Full Free 2-Stage
Maximum Fork Height (MFH) 2700mm(106.3in)
Maximum Fork Height (MFH) 3000mm(118.1in)
Maximum Fork Height (MFH) 3300mm(129.9in)
Maximum Fork Height (MFH) 3500mm(137.8in)
Maximum Fork Height (MFH) 4000mm(157.5in)

- Full Free 3-Stage
Maximum Fork Height (MFH) 4500mm(177.2in)
Maximum Fork Height (MFH) 4800mm(189.0in)
Maximum Fork Height (MFH) 5000mm(196.9in)
Maximum Fork Height (MFH) 5500mm(216.5in)
Maximum Fork Height (MFH) 6000mm(236.2in)

LABEL DECALS

- spanish
- portugal



LiuGong Machinery Europe B.V

P.J.Oudweg 4

1314 CH Almere

The Netherlands

T : +31 611151832

E : overseas@liugong.com

www.liugong-europe.com



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