

**LONKING**



**4-5t**  
**N Series Counterbalance**  
**Electric Forklift Truck**



## ■ Attractive Appearance

Vehicle appearance is designed by professional industrial design methods. Artistic and Strengthful.

## ■ Strong Stability

Battery is sinking designed to ensure vehicle stability. Integral type axle & gear box and short front overhang improve vehicle longitudinal stability. Overhead rear axle improves vehicle lateral stability.

## ■ Energy Efficiency

Transmission system and electric motor are professional matching designed. Battery life is prolonged by 30 minutes. Automatic turning slowdown function is optional. Equipped with LED light, energy and efficient.

## ■ Well-adapted

The battery can be equipped with an optional side-pull configuration to adapt to different operating environments; the high-power motor has strong power and good heat dissipation, making it easier to climb hills and work with a full load.

## ■ Convenient Maintenance

Special locking structure and side panel structure designed makes battery maintenance very convenient.

## ■ Wide field of view

The wide field of view mast gives the operator a very wide field of view.



## Product details and advantages



Using conductive fast charging technology for new energy vehicles, the standard model can be fully charged within 2 hours. The lithium battery has no memory effect and can be charged and taken on the go.



During deceleration or braking, the braking energy feedback system converts the vehicle's kinetic energy into electrical energy to charge the battery.



The key parts of the whole machine, electric system, instruments, etc. are all made of internationally or domestically renowned brand products, and important components have undergone strict reliability tests.



Using A-grade lithium iron phosphate cells, each cell has a safety protection device to ensure the safety of the battery.

Character					
1.01	Manufacturer			LONKING	
1.02	Model			LG40B	LG50B
1.03	Power type			Electrical (AC)	
1.04	Rated capacity	Q	kg	4000	5000
1.05	Load center	J	mm	500	500
Dimensions					
2.01	Max. height (with backrest)	H2	mm	4066	4066
2.02	STD Max lifing height	H	mm	3000	3000
2.03	Overhead guard height	H4	mm	2353	2353
2.04	Overall length (with fork)	L	mm	4020	4070
2.05	Wheelbase	L1	mm	2000	2000
2.06	Front overhang	L2	mm	540	540
2.07	Rear overhang	L3	mm	410	460
2.08	Min ground clearance (Chassis/Mast)	m1/m2	mm	150/175	150/175
2.09	Overall width (outside)	W1	mm	1479	1479
2.10	Fork adjustment range		mm	305-1335	305-1335
2.11	Fork size(STD)		mm	1070×150×50	
2.12	Front wheel tread	S	mm	1228	1228
2.13	Rear wheel tread	P	mm	1130	1130
2.14	Min tuming radius(outside)	r	mm	2685	2730
2.15	Min aisle width for pallet 1000x1200,crossways	Ast	mm	4500	4545
2.16	Min aisle width for pallet 800x1200.lengthways	Ast	mm	4630	4675
Tyres					
3.01	Capital W (F/R, X=Driven wheels)			X=2/2	
3.02	Tyres type (F/R)			Solid	
3.03	Tyres size,front			250-15/7.5	
3.04	Tyres size,rear			21×8-9	
Performance and other details					
4.01	Max. travelling speed,loaded/unloaded		km/h	14/14.5	
4.02	Lifting speed, loaded/unloaded		mm/s	250/400	
4.03	Lowering speed,loaded/unloaded		mm/s	≤600/≥300	
4.04	MAX. gradeability,oaded/unloaded		%	15	
4.05	Service weight, lead-acid (with oil & water)		kg	/	7280
	Service weight, lithium (with oil & water)		kg	5900	6530
4.06	Drive motor		kw	18	
4.07	Lift motor		kw	25	
4.08	Controller			inmotion	
4.09	Lead-acid battery(voltage/capacity)		V/Ah	80/700	
	Lithium battery(voltage/capacity)		V/Ah	80/410	

Mast Type	Mast Model	H2 Max Lifting Height (mm)	Load Capacity (J=500mm) (kg)		H1 Lowered Mast Height(mm)	H3 Free Lifting Height (mm)	Mast Tilting Angle (°)α/β
			4T	5T			
2 Stage Standard Mast-Super Wide Field	M200	2000	/	/	/	/	/
	M230	2300	4000	5000	1895	150	6/10
	M250	2500	4000	5000	1995	150	6/10
	M270	2700	/	/	/	/	/
	M275	2750	4000	5000	2120	150	6/10
	M300	3000	4000	5000	2245	150	6/10
	M330	3300	4000	5000	2395	150	6/10
	M350	3500	4000	5000	2495	150	6/10
	M370	3700	/	/	/	/	/
	M375	3750	3900	5000	2620	150	6/10
	M400	4000	3800	4800	2795	150	6/6
	M425	4250	3600	4500	2920	150	6/6
	M450	4500	3400	4200	3045	150	6/6
	M475	4750	3000	3900	3170	150	6/6
	M500	5000	2800	3600	3295	150	6/6
	M550	5500	2600	2950	3545	150	3/6
	M600	6000	1900	2100	3795	150	3/6
Note: * means capacity of double front wheels.							
2 Stage Free Mast	ZM200	2000	4000	5000	1745	908	6/10
	ZM250	2500	4000	5000	1995	1158	6/10
	ZM270	2700	4000	5000	2095	1258	6/10
	ZM275	2750	/	/	/	/	/
	ZM300	3000	4000	5000	2245	1408	6/10
	ZM330	3300	4000	5000	2395	1558	6/10
	ZM350	3500	4000	4950	2495	1658	6/10
	ZM370	3700	/	/	/	/	/
	ZM375	3750	4000	4800	2620	1783	6/10
	ZM400	4000	3750	4650	2745	1908	6/6
	ZM425	4250	/	/	/	/	/
	ZM450	4500	/	/	/	/	/
Note: 4-5T free lifting height with backrest minus 189mm.							
Note: * means capacity of double front wheels.							
3 Stage Free Mast	ZSM320	3200	4000	5000	1810	1023	6/6
	ZSM360	3600	4000	4950	1944	1157	6/6
	ZSM400	4000	4000	4700	2078	1291	6/6
	ZSM430	4300	/	/	/	/	/
	ZSM435	4350	3400	4150	2194	1407	6/6
	ZSM450	4500	3200	4000	2245	1458	6/6
	ZSM470	4700	/	/	/	/	/
	ZSM480	4800	3000	3750	2345	1558	6/6
	ZSM500	5000	2600	3500	2444	1657	6/6
	ZSM540	5400	2400	2950*3450	2569	1782	3/6
	ZSM550	5500	/	/	/	/	/
	ZSM600	6000	1700	2200*2800	2810	2023	3/6
	ZSM650	6500	1400	1550	2977	2190	3/3
	ZSM700	7000	/	/	/	/	/
Note: 4-5T free lifting height with backrest minus 239mm.							
Note: * means capacity of double front wheels.							

Note: Load capacity is reduced 200kg with optional side shifter for 4-5t forklift.



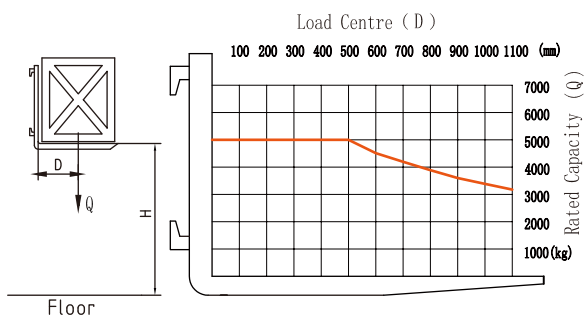
## Configuration Option Sheet

N Series 4-5t

Configuration	Multi Function Display	Driving/lifting/steering Computer Controlled	Pedal Rubber	Lead Acid & Lithium Battery	Emergency Stop Switch
	Reversing Buzzer	Safety seat	Full-hydraulic Power Steering	Wide view mast	Solid Tyres
	Two-piece Multiplex Valve	Warning Light	High Efficiency AC Drive Motor	Gear Pump with Low Noise	Energy Efficient Dynamic Signal
	Load Sensing Hydraulic System	Roof Weather Canopy	Electric Horn	Wide Angle Backup Mirror	Traction Pin
	Tool Box	Standard Forks	Lift, Tilt, Levers		
Optional	Cabin	Cold A/C	Heater	Suspension Seat	Lifting Potentiometer
	Battery Charger	Rotating Buzzer Warning Light	Rear Working Light	Non Marking Tyres	Protective Net
	Multiple Hydraulic Attachments	Rear Blue Light	Tailored backrest	Widen Fork Carriage	Electric Fan
	Reversing Handrail Horn	Corner Positioner	Reversing Radar	Fork Extensions	Tilt cylinder protection
	Steering cylinder protection	Custom Colours	Three sides(left,right and rear)red/blue bar light		

## Load Curve

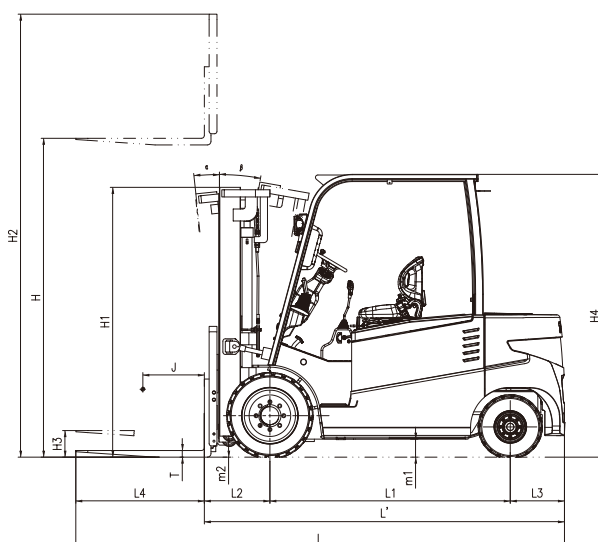
### Load Curve



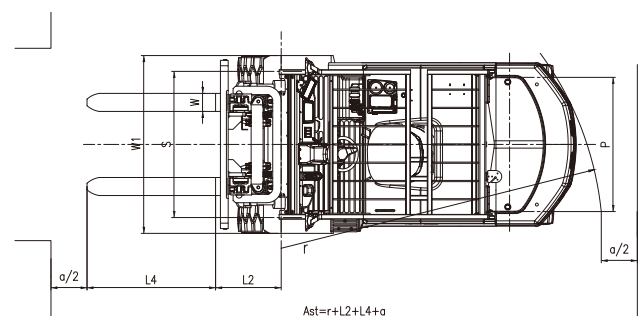
5.0t

Note: The vertical axis represents the rated lifting weight, and the horizontal axis represents the load center distance. The load center is calculated from the front of the fork, and the base point of the standard load refers to the center position of a cube with a load side length of 1000 mm. When the mast is tilted forward, non-standard forks are used, or loads exceeding the normal width are loaded, the load capacity will be reduced. Through the load curve chart, the carrying capacity of various load centers can be understood in time.

## Structure Diagram



Ast : Right Angle Stacking Aisle Width  
a : Clearance





# LONKING



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OHSAS45001:2023



ISO14001:2015



ISO9001:2015



CE CERTIFICATE



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