

LONKING



3-3.5t
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			LG30BVI	LG35BVI
1.03	Power type			Electrical(AC)	
1.04	Rated capacity	Q	kg	3000	3500
1.05	Load center	J	mm	500	
Dimensions					
2.01	Max. height (with backrest)	H2	mm	4110	4110
2.02	STD Max lifting height	H	mm	3000	3000
2.03	Overhead guard height	H4	mm	2201	2201
2.04	Overall length (with fork),lead-acid	L	mm	3557	3592
	Overall length (with fork),lithium			3587	3637
2.05	Wheelbase	L1	mm	1685	1685
2.06	Front overhang	L2	mm	492	497
2.07	Rear overhang,lead-acid	L3	mm	310	340
	Rear overhang,lithium			340	385
2.08	Min ground clearance (Chassis/Mast)	m1/m2	mm	125/135	125/135
2.09	Overall width (outside)	W1	mm	1238	1238
2.10	Fork adjustment range		mm	250-1100	250-1100
2.11	Fork size(STD)		mm	1070×125×45	1070×125×50
2.12	Front wheel tread	S	mm	1000	1000
2.13	Rear wheel tread	P	mm	950	950
2.14	Min turning radius(outside), lead-acid	r	mm	2210	2270
	Min turning radius(outside), lithium			2290	2340
2.15	Min aisle width rfor pallet 1000x1200,crossways, lead-acid	Ast	mm	3968	4028
	Min aisle width rfor pallet 1000x1200,crossways, lithium	Ast		4078	4128
2.16	Min aisle width for pallet 800x1200.lengthways, lead-acid	Ast	mm	4098	4158
	Min aisle width for pallet 800x1200.lengthways, lithium	Ast		4188	4238
Tyres					
3.01	Capital W (F/R, X=Driven wheels)			X=2/2	
3.02	Tyres type (F/R)			pneumatic	
3.03	Tyres size,front			28×9-15-14PR	
3.04	Tyres size,rear			18×7-8-14PR	
Performance and other details					
4.01	Max. travelling speed,loaded/unloaded, lead-acid		km/h	15/15.5	14/15
	Max. travelling speed,loaded/unloaded, lithium				
4.02	Lifting speed, loaded/unloaded			340/460	325/450
4.03	Lowering speed,loaded/unloaded		mm/s	600/≥300	
4.04	MAX. gradeability,loaded/unloaded			15	15
4.05	Service weight(with oil & water), lead-acid		kg	4740	5160
	Service weight(with oil & water),lithium			4180	4480
4.06	Drive motor			16.6	16.6
4.07	Lift motor			13.5	13.5
4.08	Controller			Inmotion	Inmotion
4.09	Lead-acid battery(voltage /capacity)		V/Ah	80/420	
	Lithium battery(voltage /capacity)			80/280	80/280

Mast Specifications

N Series 3-3.5t

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
			3T	3.5T		3T	3.5T	
2 Stage Standard Mast-Super Wide Field	M200	2000	3000	3500	1550	145	150	6/10
	M230	2300	/	/	/	/	/	/
	M250	2500	3000	3500	1800	145	150	6/10
	M270	2700	3000	3500	1900	145	150	6/10
	M275	2750	/	/	/	/	/	/
	M300	3000	3000	3500	2050	145	150	6/10
	M330	3300	3000	3500	2200	145	150	6/10
	M350	3500	3000	3500	2300	145	150	6/10
	M370	3700	3000	3400	2400	145	150	6/10
	M375	3750	/	/	/	/	/	/
	M400	4000	2950	3350	2600	145	150	6/6
	M425	4250	2850	3250	2725	145	150	6/6
	M450	4500	2750	3100	2850	145	150	6/6
	M475	4750	2600*2950	2950	2975	145	150	6/6
	M500	5000	2400*2850	2650*2800	3100	145	150	6/6
	M550	5500	2250*2400	2500*2600	3400	145	150	3/6
	M600	6000	1500*2200	1550*2400	3650	145	150	3/6
Note: * means capacity of double front wheels.								
2 Stage Free Mast	ZM200	2000	3000	3500	1550	855	860	6/10
	ZM250	2500	3000	3500	1800	1105	1110	6/10
	ZM270	2700	3000	3500	1900	1205	1210	6/10
	ZM275	2750	/	/	/	/	/	/
	ZM300	3000	3000	3500	2050	1355	1360	6/10
	ZM330	3300	3000	3500	2200	1505	1510	6/10
	ZM350	3500	3000	3500	2300	1605	1610	6/10
	ZM370	3700	3000	3400	2400	1705	1710	6/10
	ZM375	3750	/	/	/	/	/	/
	ZM400	4000	2950	3350	2600	1905	1910	6/6
	ZM425	4250	/	/	/	/	/	/
	ZM450	4500	2750	3100	2850	2155	2160	6/6
Note: 3-3.5T free lifting height with backrest minus 380mm.								
Note: * means capacity of double front wheels.								
3 Stage Free Mast	ZSM320	3200	/	/	/	/	/	/
	ZSM360	3600	2900	3300	1865	1085	1090	6/6
	ZSM400	4000	2900	3250	2000	1220	1225	6/6
	ZSM430	4300	2800	2900	2095	1315	1320	6/6
	ZSM435	4350	/	/	/	/	/	/
	ZSM450	4500	2700	2800	2165	1385	1390	6/6
	ZSM470	4700	2600	2700	2235	1455	1460	6/6
	ZSM480	4800	2500	2600	2265	1485	1490	6/6
	ZSM500	5000	2400*2500	2450	2330	1550	1555	6/6
	ZSM540	5400	/	/	/	/	/	/
	ZSM550	5500	2250*2450	2300	2495	1715	1720	3/6
	ZSM600	6000	1500*2100	1550*2300	2715	1935	1940	3/6
	ZSM650	6500	1000*1600	1100*1850	2905	2125	2130	3/3
	ZSM700	7000	600*900	700*1000	3110	2330	2335	3/3
Note: 3-3.5T free lifting height with backrest minus 295mm.								
Note: * means capacity of double front wheels.								

Note: Load capacity is reduced 200kg with optional side shifter for 3-3.5t forklift.

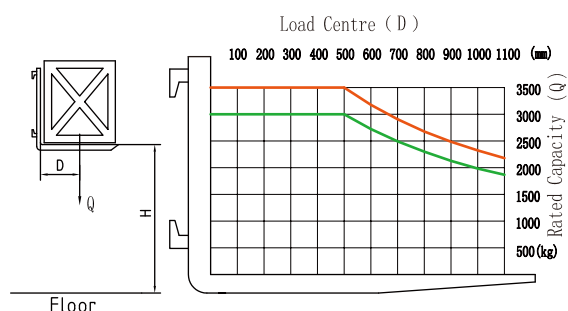
Configuration Option Sheet

N Series 3-3.5t

Configuration	Multi Function Display	Driving/lifting/steering Computer Controlled	Pedal Rubber	Lead Acid & Lithium Battery	Emergency Stop Switch
	Full Set of LED Lights	Reversing Buzzer	Safety seat	Full-hydraulic Power Steering	Wide view mast
	Warning Light	Two-piece Multiplex Valve	High Efficiency AC Drive Motor	Gear Pump with Low Noise	Energy Efficient Dynamic Signal
	Load Sensing Hydraulic System	Roof Weather Canopy	Charging Indicator	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	Lateral ShoveBattery	Lithium Battery	Rotating Buzzer Warning Light	Rear Working Light
	Solid Tyres	Non Marking Tyres	Three sides(left,right and rear)red/blue bar light	Rear Blue Light	Large Capacity Battery
	Tailored backrest	Widen Fork Carriage	Protective Net	Electric Fan	Reversing Handrail Horn
	Corner Positioner	Reversing Radar	Fork Extensions	Tilt cylinder protection	Steering cylinder protection
	Steering cylinder protection	Multiple Hydraulic	Transparent Roof Cover		

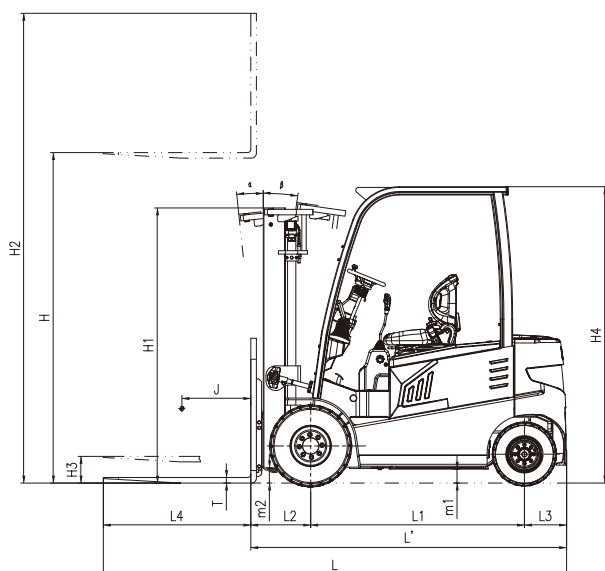
Load Curve

Load Curve

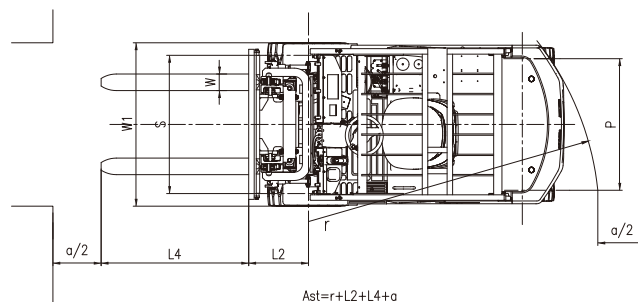


Note: The vertical axis represents the rated lifting weight, and the horizontal axis represents the load center distance. The load center is calculated from the front of the fork, and the base point of the standard load refers to the center position of a cube with a load side length of 1000 mm. When 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





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