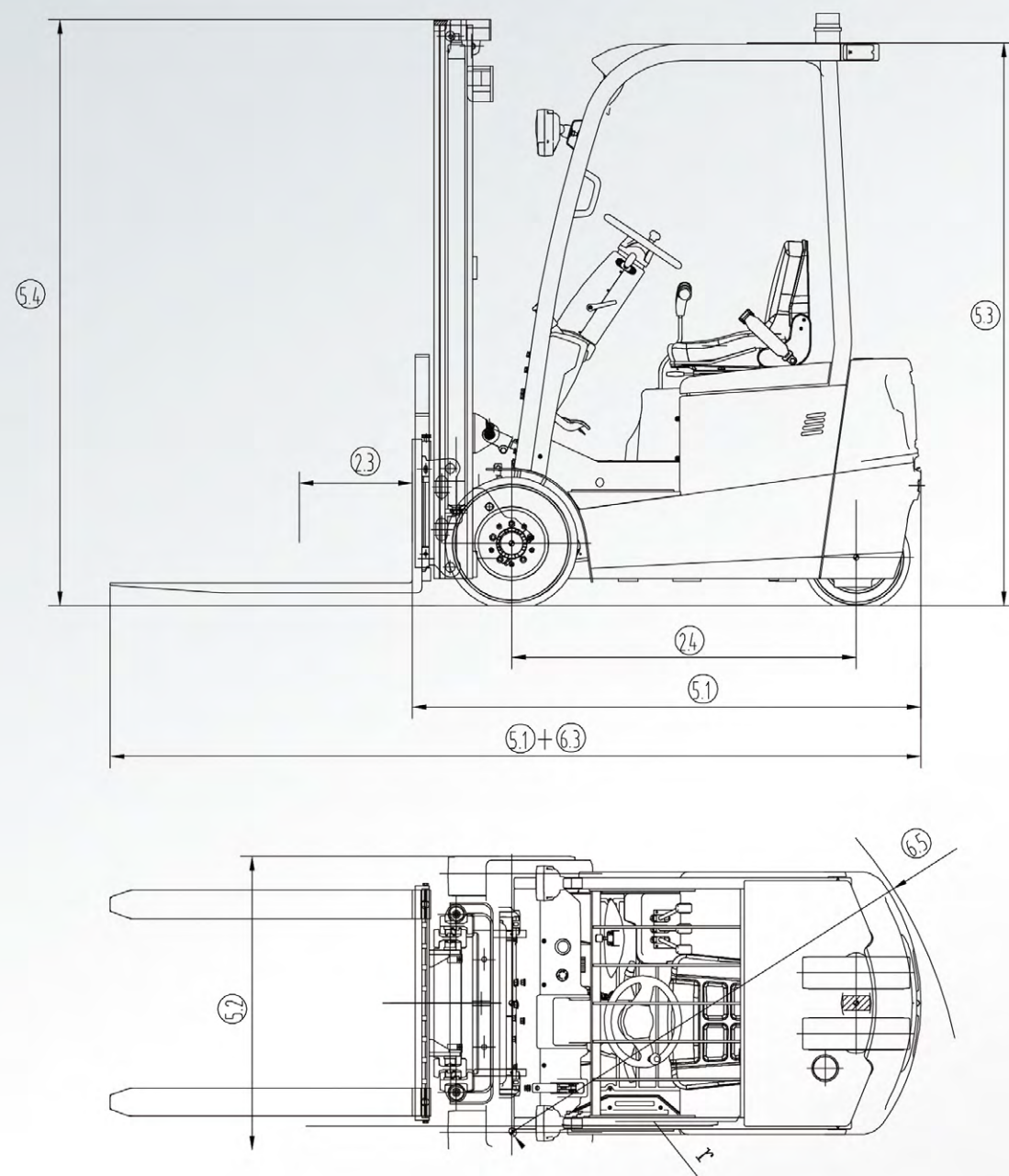




Zhejiang Maxlion Intelligent Equipment Co., Ltd.
(Hangzhou Maxlion Forklift Imp & Exp Co., Ltd.)

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3-WHEEL LI-ION ELECTRIC FORKLIFT 1.5-1.8T

X SERIES



ZHEJIANG MAXLION

ZHEJIANG MAXLION INTELLIGENT EQUIPMENT CO., LTD.
was established on April 7, 2024.

1.8T-12T
ICE forklift

1.5T-3.8T
New Li-Ion battery forklift

1.8T-3.5T
Rough terrain forklifts

1.5T-3.0T
Compact tele-trucks

3.5T-5.0T
Side loaders



Currently, Maxlion's product range covers 5 major categories, including

The brand MAXLION has been successfully registered in many countries, including China, the European Union, the United States, Australia, New Zealand, Turkey, Brazil, and others. In June of 2024, Maxlion Intelligent successfully acquired land in the High-tech Zone of Haining, Zhejiang Province. In July, the construction of the new MAXLION factory officially began, with a total investment of 120 million RMB, covering an area of 20,000 square meters, and an annual designed production capacity of 8,000 units of new energy and special forklifts. The new factory is expected to be completed and officially put into operation in May 2025.

The company's predecessor was Zhejiang Maximal Import & Export Co., Ltd. (ZMIE). Currently, the group has over 80 employees, including 15 engineers, and has obtained a total of 18 national invention patents, utility model patents, and design patents. Over half of the team members have more than 15 years of experience in the material handling equipment industry and have strong capabilities in engineering design, production management, marketing, after-sales service, OEM solutions, and industry resource integration.



The company places great emphasis on new product development and innovation. While excelling in traditional forklifts, it is continuously exploring and researching specialized products for niche market sectors. With a market-oriented approach and a focus on creating customer value, we are committed to providing customers with high-quality products, reasonable prices, and excellent services. We sincerely welcome both new and old customers, as well as overseas industry partners, to engage in extensive communication and cooperation to create a bright future together!



SPECIAL TRUCK FORKLIFT



Dive into forklift manufacturing.
Focus on Niche products development.
Devoted to produce value.

Compact Tele-truck
1.5-3T



Diesel Rough terrain
1.8T2.5T3.5T 2WD



3.5-5.0T Multi-directional
Side Loader



Diesel Rough terrain
1.8T2.5T3.5T 4WD



Electric Multi-directional
Side Loader 3.5-5.0T



Electric Tele-truck
1.5-3.0T



IC FORKLIFT



Diesel 1.8-3.8T



LPG&Gasoline 1.8-3.5T



Diesel 5-7T



Diesel 8-10T



PORT MACHINERY



Compact 16.0T Diesel Forklift



45T Reach Stacker CRS4532



16.0-18.0 Diesel Forklifts



25.0T Diesel Forklift



12T Diesel



WAREHOUSE EQUIPMENT



Electric Stacker

LI-ION



Double Deep
Reach Truck

LI-ION



Pantograph
Reach Stacker

LI-ION



Order picker

LI-ION



Electric Pallet Truck

LI-ION



ELECTRIC FORKLIFT



X Series

New Li-ion Electric Forklift 1.5-3.8T

LI-ION



X Series

Li-Ion Battery Rough Terrain 1.8T 2.5T 2WD

LI-ION



X Series

Electrification 2.5-3.5T

LI-ION



X Series

3-Wheel Li-ion Electric Forklift 1.5-1.8T

LI-ION



X Series

Reach Truck with
Li-ion 1.6-2.0T

LI-ION



X SERIES 3-WHEEL LI-ION ELECTRIC FORKLIFT 1.5-1.8T



The Three-wheel Li-ION Electric Forklift with a 400mm Load Center and 1.5-1.8ton capacity offers cost-effective, flexible, and reliable handling for medium-sized goods. Its economical design and adaptability across various scenarios make it an ideal choice for logistics and warehousing needs.

MAXLION

A 1.5-1.8ton capacity, 400mm load center, three-wheel Li-ION electric forklift becomes an invaluable asset for your logistics operations. This forklift, with its robust performance and adaptable design, showcases exceptional handling capabilities across various scenarios.

MAIN FEATURES

Side-mounted Mast Cylinder

Position the mast cylinder on the side, increasing the load center distance by 60mm, enhances the overall stability of the vehicle.



Blue and Red Lights (Optional)

Add optional blue and red lights, increases vehicle visibility and safety, especially in low-light conditions.



Identity Authentication

Add identity authentication features, such as card swiping or password input, enhances the security and management of the equipment.



Duplex Wide View Mast

Incorporates a duplex wide view mast providing unobstructed visibility, enhancing safety during operation.



The 48V Li-ION Battery offers advantages

Comes with a substantial 5-year warranty, ensuring reliability and peace of mind for an extended period. Fast charging capability, reducing downtime. Requires no maintenance, contributing to cost savings and convenience.

Double Rear Wheels for Enhanced Reliability

Utilizes double rear wheels for increased reliability and stability, reducing the risk of malfunction during operations.



Two Support Blocks to Prevent Rolling Over

Fitted with two support blocks to prevent the risk of rolling over, ensuring added stability and safety during handling.



Easy Maintenance at Controller Compartment

Designed for convenient maintenance at the controller compartment, ensuring simplified upkeep and serviceability.



Turning Radius of 1606-1733mm for Space Efficiency

Boasts a turning radius of 1606-1733mm, optimizing operation space and facilitating maneuverability in confined areas.

⚡ SPACE-EFFICIENT CHARGING

No Charging Room Needed: Charge anywhere in the warehouse, saving space and streamlining processes.

🕒 OPPORTUNITY CHARGING

Fast charging interface provides an efficient and convenient charging solution without the need for battery replacement

🚀 IMPROVED OPERATOR EXPERIENCE

Enhanced Comfort: Smooth acceleration, consistent power, and quieter operation reduce operator fatigue and improve efficiency.

🏠 VERSATILITY

All-Weather Use: IPX4-rated for reliable performance in various conditions, both in-door and out-door.
Comparable to ICE Forklifts: Matches performance of traditional ICE forklifts.

🔋 PERFORMANCE

Supports Multi-Shift Operations: On-the-go charging during short breaks eliminates the need for battery swapping.

🛡️ SAFETY

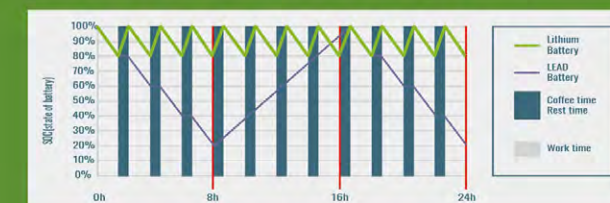
Safer Operations: Stable output, maintenance-free, no acid spills, and no toxic fumes.
Healthier Workplace: Minimized risks ensure a safe environment for employees.

♻️ ENVIRONMENTAL BENEFITS

Eco-Friendly: Smaller carbon footprint and zero emissions during operation.
Cleaner Workplace: No diesel fumes or hazardous spills.

⚡ HIGH EFFICIENCY

Fast Charging Advantage: Li-ion batteries charge quickly and conveniently. Even a short charge of a few minutes can provide extended runtime, allowing forklifts to return to operation faster and improving productivity.



🌲 LONG SERVICE LIFE

Thousands of charge cycles without significant degradation. Even after 4,000 charge and discharge cycles, the battery retains 75% of its health.

What is the suitable working temperature range for our lithium-ion batteries? Are there any precautions?

🔋 Permissible discharge temperature range: **-20°C to 45°C**

🔋 Permissible charging temperature range: **0°C to 45°C**

🏠 Storage temperature range: **-20°C to 45°C**

- First time use of the vehicle, need to charge to 100% before use.
- After turning on the power, make sure that there is no battery system alarm message on the instrument panel or no abnormal buzzer warning.
- Before using the vehicle again, check the remaining battery power, and it is recommended to use it when the SoC is between 50% and 100%.
- When SoC is below 20%, it is not recommended for further use, please recharge as soon as possible.

What is the warranty for our lithium-ion batteries?



We are committed to providing the most efficient, prompt, and high-quality after-sales service for our customers.

Battery cells: **5 years or 10,000 hours**

BMS (Battery Management System): **5 years**

How are the charging time and usage time of our lithium-ion forklifts calculated?

Example: Li-ion Battery 76.8V/350Ah with Battery Charger 80V/150A

1. Battery energy (kWh) = $76.8V \times 350Ah \times 90\% \div 1000 = 24.2 \text{ kWh}$

(The remaining 10% is reserved as safety energy in the battery to prevent over-discharge.)

2. Charging time (h) = $350Ah \times 90\% \div 150A = 2.1 \text{ hours}$

What is the charging time and usage time calculation of forklift lithium battery?

1. Available power of lithium battery (kWh) = rated voltage x rated power x 90%

To avoid over-discharge damaging the battery, the forklift is equipped with low power protection (less than 10%)

2. Charging time (h) = rated capacity of lithium battery (Ah) x 90% : charger output current (A)

3. The power consumed for charging (kWh) : the available power of the lithium battery : 93%

the charging efficiency of the charger is calculated as 93%

4. Usage time (h) = available power of lithium battery + energy consumption data.

For specific energy consumption values, please refer to the technical table on the sharing platform.

Powerful Performance, High Efficiency

Smart and Safe, Ease In All Aspects



Ground Clearance: 90mm



Turning Radius: 1603/1733mm



Travel Speed(Laden/Unladen): 10/11km/h



Lifting Speed: 250/300mm/s



Max.Gradeability(Laden): 10/12%



Duplex Wide View Mast

MAXLION

MAXLION LIGHT DUTY 3-WHEEL SPECIFICATION

	1.1	Model		ESD15M	ESD18M
characteristics	2.1	Operation type		Sitted type	Sitted type
	2.2	Load capacity	Kg	1500	1800
	2.3	Load center	mm	400	400
	2.4	Wheelbase	mm	1220	1370
weight	3.1	Service weight (without battery)	kg	2420	2715
	3.2	Service weight (with battery)	kg	2500	2865
wheel	4.1	Tire type		Rubber	Rubber
	4.2	Tire size (front)	mm	450*140	445*168
	4.3	Tire number		2x2	2x2
	4.4	Steering tire	mm	380*110	384*135
Dimensions	5.1	Overall length (without fork)	mm	1801	1956
	5.2	Overall width	mm	1040	1078
	5.3	Overhead guard height	mm	1992	1992
	5.4	Overall height (Mast lowered)	mm	2075	2075
	5.5	Mast extended height	mm	3862	3862
specifications	6.1	Lifting height	mm	3000	3000
	6.2	Ground clearance	mm	90	90
	6.3	Fork length	mm	920	920
	6.4	Fork regulating range	mm	200~800	240~800
	6.5	Min.turning raduis	mm	1603	1733
	6.6	Tilt of mast	°	3 / 5	3 / 5
	6.7	Aisle width for pallets 800 x 1200 lengthways	mm	3155	3305
	6.8	Aisle width for pallets 1000 x 1200 crossways	mm	3460	3610
performance	7.1	Drive speed, load/unload	Km/h	10/11	10/11
	7.2	Lifting speed,load/unload	mm/s	250/300	250/300
	7.3	Lowering speed, load/unload	mm/s	<500	<500
	7.4	Gradeability, load/unload	%	10/12	10/12
Power system	8.1	Drive motor	kW	6	6
	8.2	Lift motor	kW	5.5	5.5
	8.3	Battery	V/Ah	48/135(200/280)	48/200(280)
	8.4	Brake		Hydraulic	
	8.5	Controller		MEGMEET / ZAPI controller	

MAST SPECIFICATION

Mast type	Max fork height	Overall height				Free lift	Tilt range F/R	Load capacity @400mm (kg)	
		Lowered	Extended					1.5t	1.8t
			Without backrest	With backrest without SS	With backrest with SS				
	mm	mm	mm	mm	mm	mm	kg	kg	
Triplex	4500	2085	5305	5503	5699	1510	3/5	400	600
	4800	2185	5405	5603	5799	1640	3/5	200	300

Load Capacity At Different Load Center						
Lifting height	Load Capacity @400mm		Load Capacity @500mm		Load Capacity @600mm	
	1.5T	1.8T	1.2T	1.4T	1.0T	1.2T
mm	kg	kg	kg	kg	kg	kg
3000	1500	1800	1200	1400	1000	1200
3300	1200	1500	950	1200	800	1000
3500	1000	1300	800	1000	660	860
4000	600	900	450	700	400	600
4300	500	700	400	550	330	460
4500	400	600	300	450	260	380
4800	200	300	150	200	130	170

