# ZOOMLION SCISSOR LIFTS

ZOOMLION



# SCISSOR LIFTS

## ZOOMLION History

700MI ION

Italy

ZOOMLION Group based in Changsha China, has more than 50 years of history of innovation. One of the major milestone in the history of the Group is the foundation of the CICM, lately ZOOMLION, the **Changsha Institute of Construction Machinery**. The institute did concentrate all its activity in research and development of technologies applied to construction and in particular to concrete transportation, pumping, lifting machines and tower cranes.

In 2021 we inaugurated the production facility in Solferino (MN) in order to meet the needs of European logistics and concrete companies, and support them with direct assistance. **Our solutions**, consisting of a wide range of aerial working platforms, tower cranes, mobile cranes and truck mounted pumps, **are therefore designed specifically for the European market**.





Foundation of CICM in Beijing, China

1997

Estabilishment of ZOOMLION Lifting Machinery Co. Ltd. in China

2011

Purchase of the JOST Flat-top Technology in Germany

2019

019 2020

Changde Intelligent Factory Jiangyin factory started Phase 1 put into operation production

1969

CICM in Changde, China

2004

Started exploring the

international market

2013

Set up a joint-venture and started production in India

CICM in Changsha, China

1978

2008

Acquisition of CIFA in Italy

2014

Acquisition of RAXTAR in Netherland

2021

Solferino (MN) plant inaugurated in Italy. Changde Intelligent Factory Phase 2 completed



2009

Changde factory put into production

2018

Establishment of Zoomlion CIFA Europe

2023

Zoomlion CIFA Europe becomes Zoomlion Italia

To be a World-class Enterprise in Equipment Manufacturing

Scientific & Technological Industrialization Development Globalization Industry Technologization

# SCISSOR LIFTS

## **Electric models**

## Micro Scissor lifts



#### » Highlights

- Industry-leading work height of 6.5m with high working efficiency
- 30% gradeability provides strong adaptability
- Full electric driving system features energy saving, environmental protection and no noise, suitable for indoor operation
- Light weight and compact dimension ideal for space restricted applications
- Knuckles lubrication-free and maintenance-free
- Drawer-type tray easy to service
- Battery Management System (BMS) + Machine control system provide dual protection

#### » Models

- ZS0407DC
- ZS0407DC-Li

## Full Electric



#### » Highlights

- 100% electric drive with a longer lifespawn
- No leak, zero emission, greener, adapt to working conditions with strict environmental requirement
- Easy to mantain and with a drawer type tray easy to service
- Energy recovery device that improves working time by 15%
- Load weighing system and real-time lifting height display with high accuracy

#### » Models

- ZS0407E
- ZS0607E

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## **Electric models**

## AC Series



- **High Performance** .
- The efficiency of direct electric-driven almost doubles hydraulic pump-driven
- Greater platform capacity with better performance on-the-job
- Front-wheel drive and brake offer mobility and versatility
- Easy Maintenance & Service .
- Common components and modular design, easy to maintenance
- Bilateral swing-out trays (battery & hydraulic), simple to service
- Robust & build to last, reliable and safe .

#### » Models

- ZS0607AC
- ZS1012AC ZS1212AC
- ZS0808AC ZS0812AC
- ZS1414AC





# AC-Li Series



#### » Highlights

- 5-year warranty for Li-ion battery .
- Maintenance-free and durable Li-ion battery with a triple longer lifetime than traditional
- Quick-charge technology save time
- Preheating function built-in for cold weather regions
- Smart Battery Management System (BMS) guarantees safety power

#### » Models

- ZS0607AC-Li
- ZS0808AC-Li
- ZS0812AC-Li
- ZS1012AC-Li ZS1212AC-Li

- ZS1414AC-Li

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# SCISSOR LIFTS

## Electric models

## Crawler Series



#### » Highlights

- Rubber crawler provides small ground pressure and great obstacle crossing ability
- Pivot steering with good maneuverability
- Simple single handle control for steering and walking
- Work height of 8.8m with high working efficiency (ZS0610C only)
- Knuckles lubrication-free and maintenance-free
- AC motor full lifecycle maintenance-free

#### » Models

- ZS0508C
- ZS0610C
- ZS1216C

## Rough terrain <u>Scissor lifts</u>



#### » Highlights

- Divable at full height, high working efficiency
- AC motor drive and oscillating axle, great off-road performance
- Click-to-level function
- 40% gradeability, good adaptability
- Large ground clearance, easy to travel across
- Light weight and compact for flexible application
- Knuckles lubrication-free and maintenance-free, swing-out tray easy to service

#### » Models

ZS1218ERT





## Diesel models

## **Rough terrain Scissor lifts**

#### » Highlights

- Strong capacity of 680kg with high working efficiency
- 4WD and axle oscillation provide great off-road capability
- One-Click leveling function
- Bilateral power system effective to lower noise
- Knuckles lubrication-free and maintenance-free
- Swing-out tray easy to service

#### » Models

• ZS1023RT • ZS1323RT • ZS1623RT





# SCISSOR LIFTS Micro Scissor lifts

Comply with CE/ANSI/GB Standard

Model	ZS0407DC	ZS0407DC-Li
Size		
Work Height	6.5 m	6.5 m
Platform Height-Elevated	4.5 m	4.5 m
Platform Height-Stowed	0.95 m	0.95 m
Platform Length	1.29 m	1.29 m
Platform Width	0.7 m	0.7 m
Platform Extension	0.6 m	0.6 m
Overall Height (Rails Up)	2.05 m	2.05 m
Overall Height (Rails Down)	1.7 m	1.7 m
Overall Length	1.44 m	1.44 m
Overall Width	0.76 m	0.76 m
Wheelbase	1.05 m	1.05 m
Ground Clearance (Stowed)	0.06 m	0.06 m
Ground Clearance (Raised)	0.017 m	0.017 m
Performance		
Platform Capacity	240 kg	240 kg
Capacity on Deck Extension	100 kg	100 kg
Max. Number of Workers	2	2
Drive Speed (Stowed)	4 km/h	4 km/h
Drive Speed (Raised)	0.8 km/h	0.8 km/h
Turning Radius (Inside)	0.4 m	0.4 m
Turning Radius (Outside)	1.6 m	1.6 m
Lifting Motor	24V / 1.2kW	24V / 1.2kW
Drive Motor	24V / 2x0.45kW	24V / 2x0.45kW
Up/Down Time	23s / 25s	23s / 25s
Gradeability	30% (17°)	30% (17°)
Max. Working Slope (Lateral/Vertical)	1.5° / 3°	1.5° / 3°
Control	Proportional control	Proportional control
Drive	Rear wheels	Rear wheels
Brake	Rear wheels	Rear wheels
Tire	Ø230mm x 80mm	Ø230mm x 80mm
Power		
Battery	2x12V / 85Ah	80Ah Li-ion battery
Charger	24V / 15A	24V / 15A
Weight		
Gross	895 kg	895 kg



# SCISSOR LIFTS Full Electric

/lodel ZS0407E		ZS0607E	
Size			
Work Height	6.2 m / 5.6 m	7.8m / 6.4m	
Platform Height-Elevated	4.2 m / 3.6 m	5.8m / 4.4m	
Platform Height-Stowed	0.95 m	1.05 m	
Platform Length	1.29 m	1.65 m	
Platform Width	0.7 m	0.74 m	
Platform Extension	0.6 m	0.91 m	
Overall Height (Rails Up)	2.05 m	2.20 m	
Overall Height (Rails Down)	1.7 m	1.79 m	
Overall Length	1.44 m	1.85 m	
Overall Width	0.76 m	0.76 m	
Wheelbase	1.05 m	1.37 m	
Ground Clearance (Stowed)	0.06 m	0.06 m	
Ground Clearance (Raised)	0.017 m	0.016 m	
Performance			
Platform Capacity	240 kg	230 kg	
Capacity on Deck Extension	100 kg	113 kg	
Max. Number of Workers	2/1	2 / 1	
Drive Speed (Stowed)	4 km/h	4 km/h	
Drive Speed (Raised)	0.8 km/h	0.8 km/h	
Turning Radius (Inside)	0.4 m	0.1 m	
Turning Radius (Outside)	1.6 m	1.6 m	
Lifting Motor	24V / 1.2KW	24V / 1.8KW	
Drive Motor	2x0.45 KW	2x0.65 KW	
Up/Down Time	25s / 25s	25s / 25s	
Gradeability	30% (17°)	25% (14°)	
Max. Working Slope (Lateral/Vertical)	1.5°/3°	1.5°/3°	
Drive	Rear Wheels	Front Wheels	
Brake	Rear Wheels	Front Wheels	
Tire	Ø230mm × 80mm	Ø323mm × 100mm	
Power			
Battery	2×12V / 85Ah	4×6V / 170Ah	
Charger	24V /15A	24V / 30A	
Weight			
Gross	920 kg	1455 kg	

# SCISSOR LIFTS AC Series



Model	ZS0607AC	ZS0808AC	ZS0812AC	ZS1012AC	ZS1212AC	ZS1414AC
Size						
Work Height	7.8m / 6.4m	10.00m / 7.8m	10.00 m	11.80 m	13.80m / 10m	15.7m / 10.5m
Platform Height-Elevated	5.8m / 4.4m	8.00m / 5.8m	8.00 m	9.80 m	11.80m / 8m	13.7m / 8.5m
Platform Height-Stowed	1.05 m	1.26 m	1.26 m	1.39 m	1.52 m	1.54 m
Platform Length	1.65 m	2.30 m	2.30 m	2.30 m	2.30 m	2.67 m
Platform Width	0.74 m	0.81 m	0.81 m	1.12 m	1.12 m	1.12 m
Platform Extension	0.91 m	0.91 m	0.91 m	0.91 m	0.91 m	0.91 m
Overall Height (Rails Up)	2.20 m	2.4 m	2.4 m	2.53 m	2.66 m	2.68 m
Overall Height (Rails Down)	1.79 m	1.9 m	1.87 m	2 m	2.13 m	2.15 m
Overall Length	1.85 m	2.49 m	2.49 m	2.49 m	2.49 m	2.87 m
Overall Width	0.76 m	0.81 m	0.81 m	1.15 m	1.15 m	1.4 m
Wheelbase	1.37 m	1.85 m	1.85 m	1.85 m	1.85 m	2.22 m
Ground Clearance (Stowed)	0.06 m	0.11 m	0.11 m	0.11 m	0.11 m	0.11 m
Ground Clearance (Raised)	0.016 m	0.02 m	0.02 m	0.02 m	0.02 m	0.02 m
Performance						
Platform Capacity	230 kg	230 kg	450 kg	350 kg	350 kg	350 kg
Capacity on Deck Extension	113 kg	113 kg	113 kg	113 kg	113 kg	113 kg
Max. Number of Workers	Indoor: 2 Outdoor: 1	Indoor: 2 Outdoor: 1	Indoor: 2 Outdoor: 1	2/1	3/1 (CE) 2/1 (ANSI)	2/1
Drive Speed (Stowed)	4 km/h	4 km/h	4 km/h	4 km/h	4 km/h	4 km/h
Drive Speed (Raised)	0.8 km/h	0.8 km/h	0.8 km/h	0.8 km/h	0.8 km/h	0.8 km/h
Turning Radius (Inside)	0.1 m	0.1 m	0.1 m	0.1 m	0.1 m	0.1 m
Turning Radius (Outside)	1.6 m	2.1 m	2.2 m	2.2 m	2.2 m	2.6 m
Lifting Motor	24V / 3.3KW	24V/3.3 KW	24V / 3.3KW	24V/3.3 KW	24V / 3.3KW	24V/3.3 KW
Drive Motor	2 x 0.65 KW	2x0.75 KW	2×0.75 KW	2x0.75 KW	2x0.75 KW	2x0.75 KW
Up/Down Time	20s / 24s	31s / 40s	31s / 40s	60s / 35s	62s / 42s	88 / 60s
Gradeability	25% (14°)	25% (14°)	25% (14°)	25% (14°)	25% (14°)	25%
Max. Working Slope (Lateral/Vertical)	1.5° / 3°	1.5° / 3°	2°/3°	1.5°/3°	1.5°/3°	1.5°/3°
Control	Proportional Control	Proportional Control	Proportional Control	Proportional Control	Proportional Control	Proportional Control
Drive	Front Wheels	Front Wheels	Front Wheels	Front Wheels	Front Wheels	Front Wheels
Brake	Front Wheels	Front Wheels	Front Wheels	Front Wheels	Front Wheels	Front Wheels
Tire	Ø323mm×100mm	Ø381mm×127mm	Ø381mm×127mm	Ø381mm×127mm	Ø381mm×127mm	Ø381mmX127mm
Power						
Battery	4×6V / 170Ah 4×6V / 180Ah	4×6V / 170Ah 4×6V / 190Ah	4×6V/170Ah 4×6V/190Ah	4×6V / 220Ah 4×6V / 210Ah		4×6V / 220Ah 4×12V / 270Ah
Charger	24V / 30A	24V / 30A	24V / 30A	24V / 30A	24V / 30A	24V / 30A
Charger (Option)			24V / 60A			
Weight						
Gross	1455 kg	2090 kg	2550 kg	2930 kg	3000 kg	3310 kg



# SCISSOR LIFTS AC-Li Series

Model	ZS0607AC-Li	ZS0808AC-Li	ZS0812AC-Li	ZS1012AC-Li	ZS1212AC-Li	ZS1414AC-Li
Size						
Work Height	7.8m / 6.4m	10.00m / 7.8m	10.00 m	11.80 m	13.8m / 10m	15.7m / 10.5m
Platform Height-Elevated	5.8m / 4.4m	8.00m / 5.8m	8.00 m	9.80 m	11.8m / 8m	13.7m / 8.5m
Platform Height-Stowed	1.05 m	1.26 m	1.26 m	1.39 m	1.52 m	1.54 m
Platform Length	1.65 m	2.30 m	2.30 m	2.30 m	2.30 m	2.67 m
Platform Width	0.74 m	0.81 m	0.81 m	1.12 m	1.12 m	1.12 m
Platform Extension	0.91 m	0.91 m	0.91 m	0.91 m	0.91 m	0.91 m
Overall Height (Rails up)	2.20 m	2.4 m	2.4 m	2.53 m	2.66 m	2.68 m
Overall Height (Rails down)	1.79 m	1.9 m	1.87 m	2 m	2.13 m	2.15 m
Overall Length	1.85 m	2.49 m	2.49 m	2.49 m	2.49 m	2.87 m
Overall Width	0.76 m	0.81 m	0.81 m	1.15 m	1.15 m	1.4 m
Wheelbase	1.37 m	1.85 m	1.85 m	1.85 m	1.85 m	2.22 m
Ground Clearance (Stowed)	0.06 m	0.11 m	0.11 m	0.11 m	0.11 m	0.11 m
Ground Clearance (Raised)	0.016 m	0.02 m	0.02 m	0.02 m	0.02 m	0.02 m
Performance						
Platform Capacity	230 kg	230 kg	450 kg	350 kg	350 kg	350 kg
Capacity on Deck Extension	113 kg	113 kg	113 kg	113 kg	113 kg	113 kg
Max. Number of Workers	2	2	Indoor: 2 Outdoor: 1	2/1	3/1 (CE) 2/1 (ANSI)	2/1
Drive Speed (Stowed)	4 km/h	4 km/h	4 km/h	4 km/h	4 km/h	4 km/h
Drive Speed (Raised)	0.8 km/h	0.8 km/h	0.8 km/h	0.8 km/h	0.8 km/h	0.8 km/h
Turning Radius (Inside)	0.1 m	0.1 m	0.1 m	0.1 m	0.1 m	0.1 m
Turning Radius (Outside)	1.6 m	2.1 m	2.2 m	2.2 m	2.2 m	2.6 m
Lifting Motor	24V / 3.3 kW	24V / 3.3 kW	24V / 3.3 kW	24V / 3.3 kW	24V / 4.5 kW	24V / 3.3 kW
Drive Motor	2 × 0.65 kW	2 x 0.75 kW	2 × 0.75 kW	2 × 0.75 kW	2 × 0.75 kW	2 × 0.75 kW
Up/Down Time	20s / 24s	31s / 40s	31s / 40s	60s / 35s	62s / 42s	88 / 60s
Gradeability	25% (14°)	25% (14°)	25% (14°)	25% (14°)	25% (14°)	25%
Max. Working Slope (Lateral/Vertical)	1.5° / 3°	1.5° / 3°	2°/3°	1.5°/3°	1.5 ° / 3°	1.5°/3°
Control	Proportional Contro	l Proportional Contro	I Proportional Contro	l Proportional Contro	I Proportional Contro	l Proportional Contro
Drive	Front Wheels	Front Wheels	Front Wheels	Front Wheels	Front Wheels	Front Wheels
Brake	Front Wheels	Front Wheels	Front Wheels	Front Wheels	Front Wheels	Front Wheels
Tire	Ø323mm×100mm	Ø381mm×127mm	Ø381mm×127mm	Ø381mm×127mm	Ø381mm×127mm	Ø381mmx127mm
Power						
Battery	160Ah Li-ion	160Ah Li-ion	230Ah Li-ion	230Ah Li-ion	230Ah Li-ion	230Ah Li-ion
Charger	24V / 30A	24V / 30A	24V / 30A	24V / 30A	24V / 30A	24V / 30A
Charger (Option)	-	24V / 60A	24V / 60A	24V / 60A	24V / 60A	24V / 60A
Weight						
Gross	1455 kg	2090 kg	2550 kg	2930 kg	3000 kg	3310 kg

# SCISSOR LIFTS Crawler



Model	ZS0508C	ZS0610C	ZS1216C	
Size				
Work Height	6.5 m	8.8 m	13.8m	
Platform Height-Elevated	4.5 m	6.8 m	11.8 m	
Platform Height-Stowed	0.99 m	1.12 m	1.62 m	
Platform Length	1.29 m	1.94 m	2.3 m	
Platform Width	0.7 m	0.95 m	1.12 m	
Platform Extension	0.6 m	0.91 m	0.91 m	
Overall Height (Rails up)	2.1 m	2.26 m	2.76 m	
Overall Height (Rails down)	1.74 m	1.77 m	2.23 m	
Overall Length	1.46 m	2.1 m	2.75 m	
Overall Width	0.81 m	1.05 m	1.6 m	
Ground Clearance	0.07 m	0.127 m	0.15 m	
Performance				
Platform Capacity	240 kg	250 kg	350 kg	
Capacity on Deck Extension	100 kg	113 kg	113 kg	
Max. Number of Workers	1	2	2	
Drive Speed (Stowed)	2 km/h	2 km/h	2 km/h	
Drive Speed (Raised)	0 km/h	0 km/h	0 km/h	
Turning Radius	0 m	0 m	0 m	
Drive Motor	24V / 2x0.77kW	24V / 2x1.8kW	2x4kW	
Up/Down Time	23s / 25s	34s / 30s	62s / 42s	
Gradeability	25% (14°)	30% (17°)	30% (17°)	
Max. Working Slope (Lateral/Vertical)	1.7° / 1.7°	2°/2°	2°/3°	
Drive	Rear wheels	Rear wheels	Rear Wheels	
Brake	Rear wheels	Rear wheels	Rear Wheels	
Power				
Battery	2×12V/115Ah	4×6V/220Ah 4×12V/300Ah (US)	8x6V / 170Ah 8x6V / 180Ah	
Charger	24V / 30A	24V / 30A	48V / 35A	
Weight				
Gross	895 kg	1700 kg	3750 kg	

### SCISSOR LIFTS



# SCISSOR LIFTS Rough terrain Comply with CE/ANSI/GB Standard

Model	ZS1218ERT	
Dimensions		
Work Height	13.8 m	
Platform Height-Elevated	11.8 m	
Platform Height-Stowed	1.65 m	
Platform Length (With/Without Outriggers)	2.75 m	
Platform Width	1.52 m	
Platform Extension	1.2 m	
Overall Height (Rails Up)	2.74 m	
Overall Height (Rails Down)	2.05 m	
Overall Length (With/Without Outriggers)	3.5 m	
Overall Width	1.75 m	
Wheelbase	1.95 m	
Ground Clearance	0.24 m	
Performance		
Platform Capacity	350 kg	
Capacity on Deck Extension	113 kg	
Drive Height	full height	
Max. Number of Workers	3/2	
Drive Speed (Stowed)	6 km/h	
Drive Speed (Raised)	0.5 km/h	
Turning Radius (Inside)	2 m	
Turining Radius (Outside)	4.2 m	
Lifting Motor	48V / 5.0KW	
Drive Motor	2×32VAC / 3.3KW	
Up/Down Time	55s / 50s	
Gradeability	40%	
Max. Working Slope (Lateral/Vertical)	2°/3°	
Control	Proportional Control	
Drive	Rear Wheels	
Brake	Rear Wheels	
Tire	Ø675mm x 280mm	
Power		
Battery	8×6V/220Ah (DISCOVER) 8×6V/230Ah (QUIMO)	
Charger	48V / 35A	
Weight		
Gross	4900 kg	

# SCISSOR LIFTS Rough terrain Comply with CE/ANSI/GB Standard

Model	ZS1023RT	ZS1323RT	ZS1623RT	
Size				
Work Height	12 m	15 m	18 m	
Platform Height-Elevated	10 m	13 m	16 m	
Platform Height-Stowed	1.63 m	1.83 m	2.03 m	
Platform Length	3.98 m	3.98 m	3.98 m	
Platform Width	1.83 m	1.83 m	1.83 m	
Platform Extension	1.3 m	1.3 m	1.3 m	
Overall Height (Rails up)	2.74 m	2.95 m	3.16 m	
Overall Height (Rails down)	2.05 m	2.26 m	2.47 m	
Overall Length (With Legs)	4.88 m	4.88 m	4.88 m	
Overall Length (Without Legs)	3.98 m	3.98 m	3.98 m	
Overall Width	2.3 m	2.3 m	2.3 m	
Wheelbase	2.9 m	2.9 m	2.9 m	
Ground Clearance	0.275 m	0.275 m	0.275 m	
Performance				
Platform Capacity	1150 kg	680 kg	680 kg	
Capacity on Deck Extension	230 kg	230 kg	230 kg	
Drive Height	10 m	13 m	9 m	
Max. Number of Workers	7	7	4	
Drive Speed (Stowed)	6.5 km/h	6.5 km/h	6.5 km/h	
Drive Speed (Raised)	0.5 km/h	0.5 km/h	0.5 km/h	
Turning Radius (Inside)	2.75 m	2.75 m	2.75 m	
Turning Radius (Outside)	5.8 m	5.8 m	5.8 m	
Up/Down Time	45s / 52s	48s / 52s	60s / 65s	
Gradeability	50% (28°)	50% (28°)	40% (22°)	
Max. Working Slope (Lateral/Vertical)	2°/3°	2°/3°	2°/3°	
Drive	4WD	4WD	4WD	
Tire	33×12-20/8 Solid Tire	33×12-20/8 Solid Tire	33×12-20/8 Solid Tire	
Power				
Engine	V2403-CR-E5B-ZML-2	V2403-CR-E5B-ZML-2	Kubota v2403-M-DI	
Engine Power	36.8kw/2700rpm	36.8kw/2700rpm	36kw / 2600rpm	
Fuel Tank Capacity	105 l	105 l	105	
Diesel Tank	100	100	100	
Weight				
	7350 kg	7850 kg	8650 kg	



#### **VISION CREATES FUTURE**



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