



www.3sindustry.com



**Ficont Industry (Beijing) Co., Ltd.**

No. 11 Tongji South Road, Jingkai District,  
Beijing 100176, China  
+86 10 69597866  
info-china@3sindustry.com

**3S Americas, Inc.**

2920 Telecom Parkway, Suite 400,  
Richardson, TX 75082, USA  
+1 972 849 3210  
info@3SAmericas.com

**3S Europe GmbH**

Hein-Saß-Weg 21, 21129 Hamburg, Germany  
+49 40 32518887  
info@3SEurope.de

**3S Lift India Private Limited**

Workafella Business Center-51,Level  
4, Tower A Rattha Tek Meadows Old  
Mahabalipuram Road, Rajiv Gandhi Salai,  
Sholinganallur Chennai, Tamil Nadu,  
India, 600119  
+91 9600653379  
info-india@3sindustry.com

**3S Japan Co.,Ltd.**

13-106, 17-4-chome, Minamiaoyama,  
Minato City, Tokyo 107-0062  
+81 3-57863515  
info-Japan@3sindustry.com

# TRAILER LIFT

LIFTING IN AN EFFICIENT  
FLEXIBLE AND CONVENIENT MANNER



# Company Profile

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**3S LIFT IS A LEADING GLOBAL SUPPLIER OF ACCESS EQUIPMENT & SERVICES FOR PEOPLE WORKING AT HEIGHT**

Founded in 2005, 3S LIFT was listed on stock market in 2021. The company's compound growth rate of revenue and profit in 2022 exceeded 40%.

Headquartered in China, 3S LIFT has subsidiaries in the United States, Germany, India, Japan, Australia and Brazil.

There are over 900 employees globally, including 300 technicians.

Thanks to our spirit of innovation, we have obtained over 100 global certificates in accordance with ISO and OSHA, and 130 International patents.

The main market for 3S products is the wind industry and our solutions have been applied across 61 countries and over 2,000 wind farms.



# 3S Industry

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**Beijing**  
(Yizhuang)  
Park



**Tianjin**  
Intelligent  
Manufacturing  
Center



**North  
American**  
Business  
Development  
Center



**European**  
Subsidiary



**Indian**  
Overseas  
Customer  
Service Center



**Japanese**  
Subsidiary

# Introduction

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The Trailer Lift is a practical and powerful equipment within the 3S product matrix. Weighing up to 2.8 tons, the trailer lift series can operate efficiently at a speed of 48 m/min, with a maximum loading capacity of 250-400 kg and a max. rail length of 24-36 meters, making it a reliable choice for various scenarios.

In confined construction sites, the equipment showcases its versatility by its improved weight distribution and dimensions. The inclusion of a Honda engine allows it to operate independently of power supply constraints. For extra adaptability, the optional electric model reduces emissions and noise levels, providing a comprehensive solution to meet diverse needs in dense communities.



# Structure (3S-YT836)

Adjustable head wheels to prevent damage during lifting

Cable guide system for minimum deflection of rail assembly in max. load condition

Large rotary platform with foldable side boards, 1136\*736\*304 mm (1800\*1068\*304 after unfolding). Solar panel platform is also available

The electric control system that includes upper and lower limit switch, encoder, and luffing sensor can detect any hazardous motions that exceed the predefined limits in real time

The carriage, suspended by a lifting wire rope, is fitted with emergency brake device, allowing it to smoothly traverse along the guide rail

The hydraulic system incorporates an overflow valve, an unloading valve, and a power-operated main valve. These elements enable the machine to perform designed motions and ensure the operator's safety.

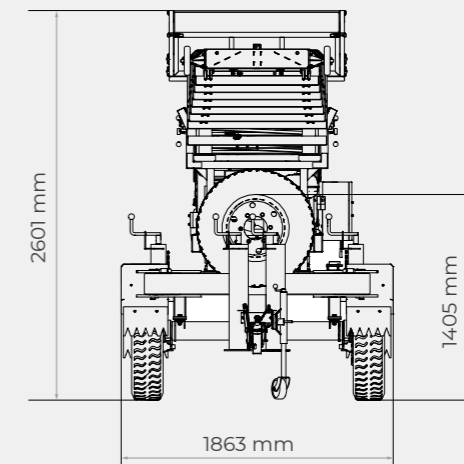
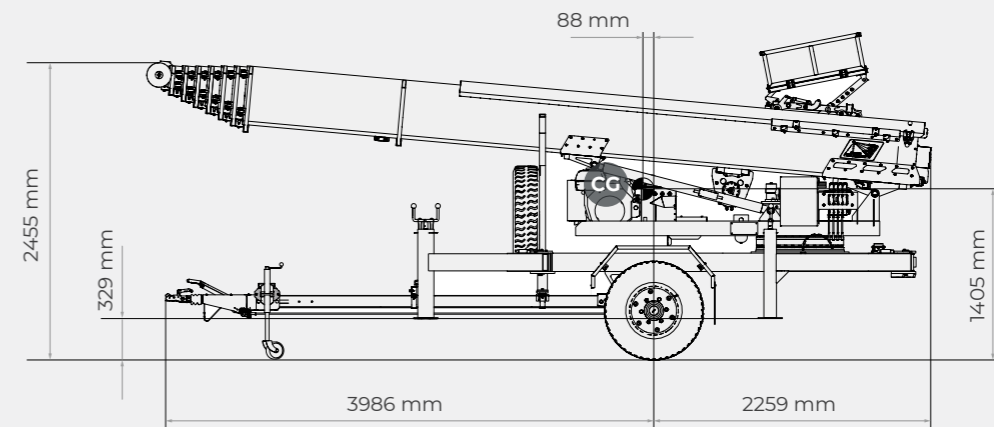
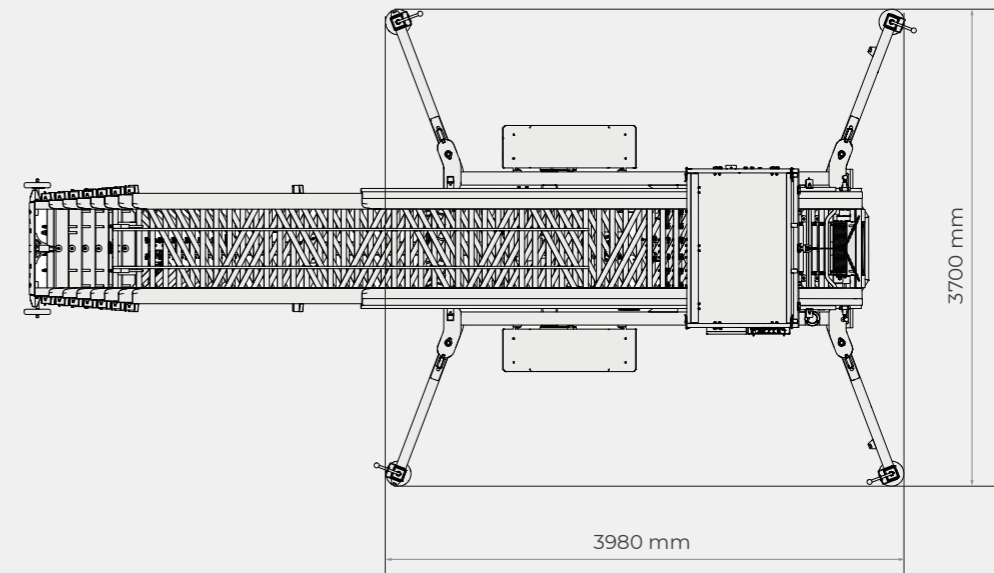
By manipulating the proportional directional control valve, the hydraulic fluid flow direction can be changed, which enables 360° rotation of the slew turret in both directions

Adjustable pullout extension (2 m) for the convenience of loading

Tow bar with inertial brake and hand brake

Chassis with ground supports and a level meter. Its tail lights can be connected to the trailer vehicle through the cable at the front

8\*5 m High strength aluminium guide rails with the highest torsion resistance



CG: Center of gravity

# Key Features



## Portability

The lift is mounted on the chassis with perfect balance, facing towards the towing vehicle and ensuring every component stays within a safe range, which makes it convenient for road transport and on-site transfers.



## Fast Deployment

The integrated trailer design ensures quick deployment without the need for additional assembly. The remote-controlled hydraulic system enables smooth rail adjustment with a simple press of buttons, achieving excellent flexibility.



## Flexible Control

Beyond the electric control box and lever that manage the entire vehicle's movements, the remote handle also governs the turret rotation and carriage elevation. Meanwhile, the equipment's locking mechanism synchronizes with the remote control, allowing for seamless operation without the need for additional manual intervention.



## Safety and Reliability

Safety features, including broken rope device, position monitoring, over load protection, over-speed safety device, power outage protection, inertial braking system and tilt prevention, ensure secure and reliable operation.

# Specifications

Model	3S-YT836	3S-YT724
Max. travel speed	45 km/h	90 km/h
Rated load	400 kg	250 kg
Max. rail length	36 m	24 m
Max. lifting speed	48 m/min	24/48 m/min
Dead weight	2.8 t	1.2 t
Power supply (electric model)	230 V, 50 Hz	230 V, 50 Hz
Engine (motor) power	13 kW	3 kW
Control voltage	DC 12 V	DC 12 V
Chassis dimensions(L, W)	6400 x 1880 (mm)	4900 x 1299 (mm)



# After-Sale Service

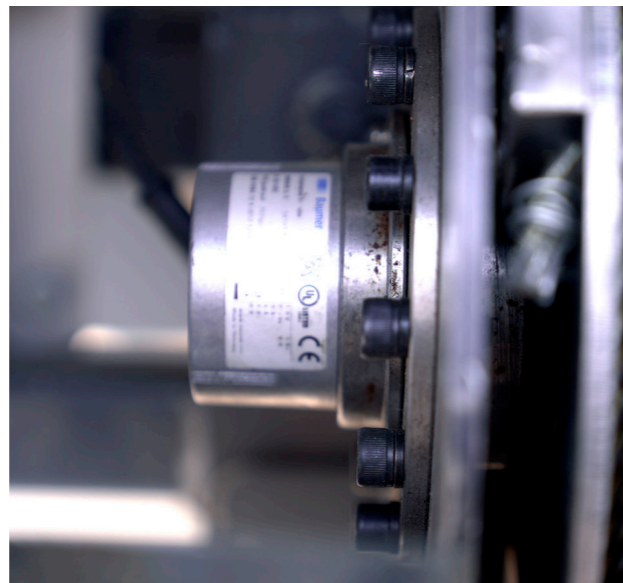


## Warranty

1 year

## Maintenance

The inspection and replacement of wearing parts need to be performed regularly by qualified personnel according to the operation manual. We provide sufficient spare parts supply around the world through our subsidiaries and distributors.



## Professional Global Service Capability

- 365 d x 24 h service time
- 15 min to respond to customers
- 12 h to diagnose fault
- 24 h to offer solutions
- 48 h to resolve complaint



# Global Business

3S Lift products have been applied in more than 16 industries over 61 countries around the world, and have a great market share in the global wind power industry

**900+**

Employees

**300+**

R&D Technicians

**800+**

Global Patent Applications

**100+**

International Patents

**100+**

Global Qualifications

**10+**

Global Standards

**61**

Country Markets

**16**

Industries

