



# 3S LIFT PRODUCTS

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Global Supplier of  
Working-At-Height Solutions



# Our Vision Our Mission

Since 3S LIFT was founded in 2005, it has been part of our mission to support the fight against climate change. The solutions we offer contribute to the effectiveness, efficiency, and acceptance of renewable energy.

# Elevating Health & Safety



- Headquarters
- Subsidiary
- Countries and regions where 3S products are used

# Company Profile

3S Industry Group INC. is a China-based leading provider of equipment and services for people working at height. Our products have been applied in 17 different industries and exported to more than 70 countries. Our core business is the wind industry. With our strong focus on R&D, we have been granted for more than 600 patents and obtained over 100 global safety qualification certificates. We strive to support our customers and makes a better future in the field of working at height.

Headquartered in Beijing, 3S Industry has Manufacturing Centers in Beijing and Tianjin. With wholly-owned subsidiaries in Dallas (USA), Hamburg (Germany), Chennai (India), Tokyo (Japan), Jaraguá do Sul City (Brazil), and Dubai (UAE). Our global after-sales service teams provide on-site installation and maintenance services for our customers around the world. This way, 3S Industry ensures quick and reliable technical support, offering one-stop-shop service for our customers.

With our 3S brand creed Safe, Simple, Specialized, we are dedicated to our mission of providing products and services that exceed customer expectations. We strive to make our products the best in their field. We use scientific and technological innovation to drive the development of integrative solutions that serve people working at height.

## 2005

Year  
Established

## 1<sup>st</sup>

Market Share in Our  
Specialized Segment Within  
the Wind Power Industry

## 600+

Global Patents

## 11

Global  
Subsidiaries

## 200,000+

Units of 3S Work-at-Height  
Products in Service

## 100+

Global  
Qualifications

## 900+

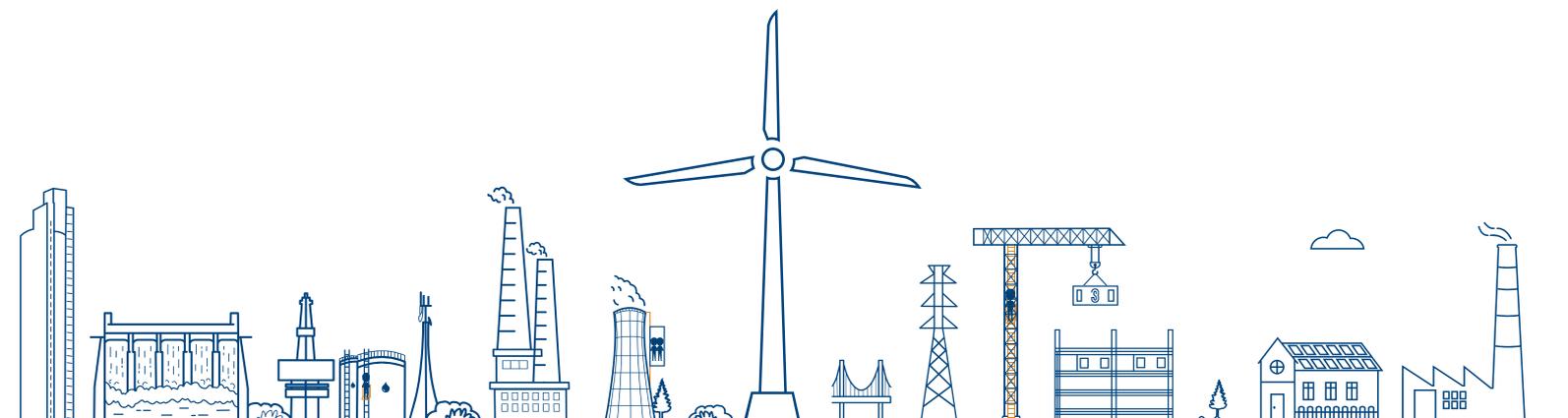
Employees

## 5,000+

Wind Farms Utilizing  
3S Products

## 20+

Global Standards



# Plug-in Ladder Hoist

## Specifications

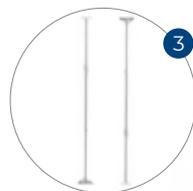
Model	MH03L250
Rated load (kg / lbs)	250 / 552
Max. lifting height (m / ft)	21 / 68
Lifting speed (m / min   ft / min)	30   98 (double speed)
Smooth start / stop	Yes
IP class	IP 54 (electrical)
Operating temperature (°C)	-20 to +55
Drive unit weight	65 kg / 143 lbs (123 lbs optional)
Noise level (dB)	72 - 76
Wire rope diameter (mm)	6
Power supply (V)	230 / 110 , Frequency adaptation
Control System	VFC (Variable Frequency Control) with Overload Detection



Rail Top Section



Rail Section Connectors



Guide Rail Support



Drive Unit



Roof Support Bracket



Knee Section



Carriage



LBS Grooved Drum



# Battery Ladder Hoist

## Specifications

Model	MH04L120
Power supply (W)	550
Battery voltage	2 pcs × 18 V / 5 Ah
Battery brand	Dewalt / Milwaukee
Rated load (kg / lbs)	120 / 265
Max. lifting height (m / ft)	14 / 46 (customizable)
Lifting speed (m / min   ft / min)	15   49
Wire rope diameter (mm)	5
Waterproof rating	IP 54 (electrical)
Overload detection	Current overload protection



Head Section



Rail Section



Drive Unit



Solar Panel Platform (Optional)



Universal Platform (Optional)



Bottom Section



# Vertical Ladder Hoist

## Specifications

Model	VH01L300	
Drive type	Rack and Pinion	
Max. rated load (kg)	300	
Max. lifting speed (m/min)	20	
Anti-fall braking distance (m)	≤ 1.4	
Max. lifting height	50 m / 164 ft	
Platform dimensions (mm)	Before expansion	880 × 1260 × 1400
	After expansion	880 × 1260 × 2090
Motor power (kW)	2.2	
Operating voltage	230 V 50 Hz	
Maximum operating current (A)	16	
Operating temperature	-20°C to 55°C	
Certification / Standard	CE / EN 12158-1	



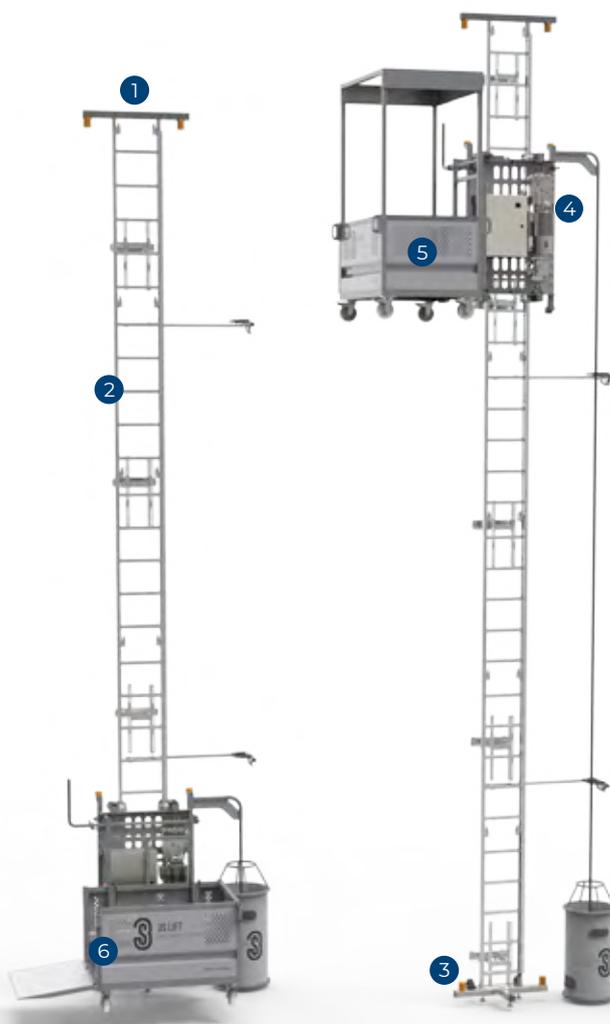
Top Section



Standard Rail Section



Bottom Section



Drive Unit



Transport Cradle with Extension



Transport Cradle without Extension



# Trailer Lift

## Specifications

Model	3S - YT621	3S - YT732
Max. travel speed (km / h)	85	85
Rated load (kg)	230	400
Max. rail length (m)	21	32
Operating speed (up/down)	24 / 24 m/min	48 / 48
Dead weight (t)	0.75	2.8
Power supply	Electric motor 230V , 1.5kW	Petrol engine 13kW
Chassis dimensions (L,W) (mm)	5300 x 1400	6540 x 1780



Turntable



Luffing Cylinder



Guide Rail Members



Carriage



Load Carrying Device



Control System



Electric Motor



Hydraulic System





# Tower Climber

## Specifications

Model	T150
Rated load	150 kg (1 Person + Tools)
Operational Range	≤ 1500 m (40 round trips on 40 m tower)
Max. Lifting Height	200 m
Rated Speed	18 m/min (2 mins to reach the top of 40 m)
Battery Capacity	15.6 Ah
IP Rating	IP 65
Operational Temperature	-20°C to +55°C
Design Life	20 Years
Standards	Directive 2006 / 42, EN 1495



Upper-End Stop with Buffer



Operator Fall Arrester



Manual Descent Function



Car Fall Arrester



Overload Protection System



Lower-End Stop with Buffer



# Industrial Elevator

## Specifications

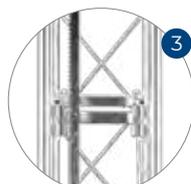
Model	SC50	SC100	SC200
Rated load (kg)	500	1000	2000
Speed (m / min)	0 - 36	0 - 36	0 - 36
Internal cage dimensions (mm)	1000 × 1000 × 2200	1200 × 1000 × 2200	3000 × 1400 × 2200
Max. height	300 m	300 m	300 m
Power supply	380V / 50Hz	380V / 50Hz	380V / 50Hz



Tie-in



Overspeed Safety Device



Mast Section



Interlocking Device



Constant-Speed Controlled Descent Function



Rack and Pinion Drive



Gear Motor



Frequency Converter



Programmable Logic Controller



**3S LIFT**

SAFE | SIMPLE | SPECIALIZED

# Construction Hoist

## Specifications

Model	Rated load (kg)	Speed (m/min)	Control System	Motor power (kW)	Inverter Power (kW)	Power supply	Cage dimensions (mm)	Maximum height (m)
CH200	2000	0-46	VFC	2 × 11 / 18.5 (50 / 87Hz)	37	380V / 50Hz	3200*1500*2200	300
		0-63		3 × 11 / 18.5 (50 / 87Hz)	75			
CH200 / 200	2000 / 2000	0-46	VFC	2 × 2 × 11 / 18.5 (50/87Hz)	2×37	380V / 50Hz	3200*1500*2200	300
		0-63		2 × 3 × 11 / 18.5 (50/87Hz)	2×75			

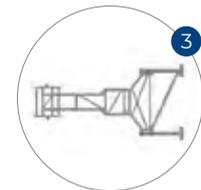
Customized design and manufacturing can be carried out according to different customer needs.



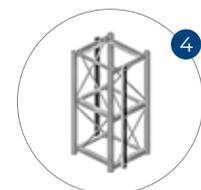
Safety Device



Drive unit



Tie-in



Mast Section



# Mast Climber (MC450)

## Specifications

Model	MC450-S	MC450-T
Platform length (m)	2.8-10.2	6.2-30.2
Platform width (m)	1.2-2.4	
Rated load (kg)	1000-2000	2000-4000
Speed (m/min)	7-12	
Power supply	380 V / 50 Hz	
Max lifting height(m)	300	



Drive Unit



Overload Detection Device



Overspeed Safety Device



Rack Detection Switch



Guiding System



Work Platform



Platform Gate



Towable Chassis



# Mast Climber (MC650)

## Specifications

Model	MC650-S	MC650-T
Platform length (m)	3-12	6.6-32.2
Platform width (m)	1.5-2.7	
Rated load (kg)	2000-3500	3500-5000
Speed (m/min)	7-12	
Power supply	380 V / 50 Hz	
Max lifting height(m)	300	



1 Drive Unit



2 Overload Detection Device



3 Overspeed Safety Device



4 Rack Detection Switch



5 Guiding System



6 Work Platform



7 Platform Gate



8 Towable Chassis

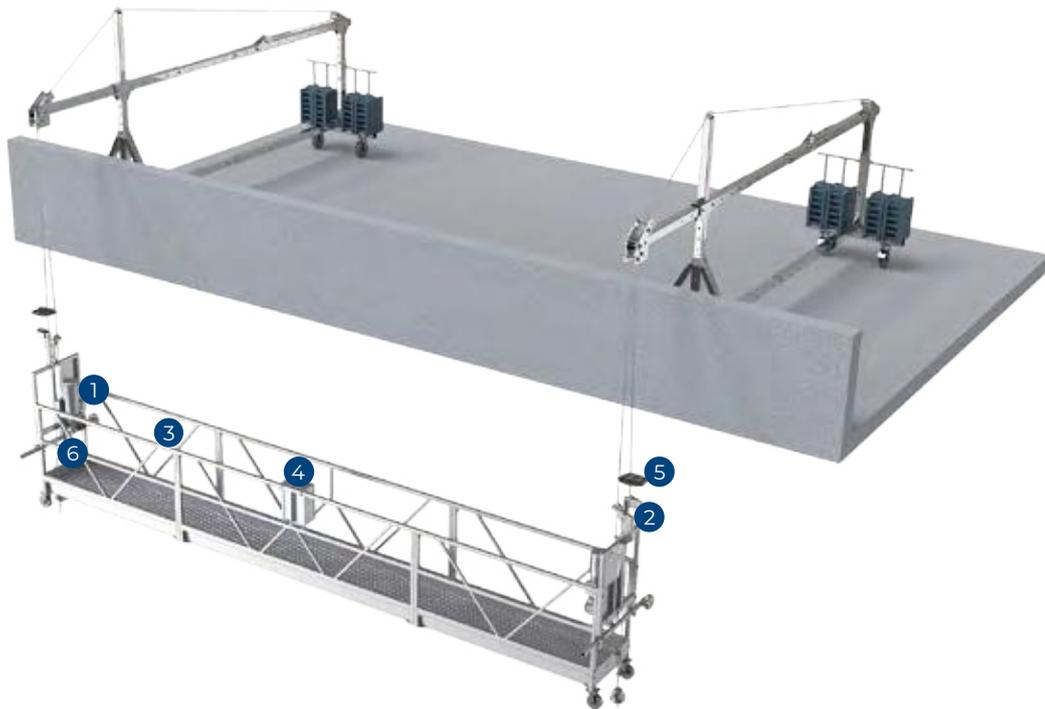




# Suspended Platform

## Specifications

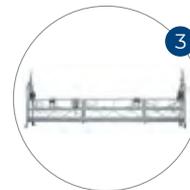
Model	XP Series
Platform Length	3+2m / 3+3m / 2+3+2m / 3+3+3+3m
Inside width	60 cm
End stirrup max length	12 m
Rated Load	280 – 980 kg
Dead Weight	240-540 kg
Standards	EN 1808



Traction Hoist



SafeLock



Platform



Control System



Top Limit Switch



Overload Detection Device



# Full Body Harness

## Specifications

Model	11011010	SA-01001
Description	5 attachment points, 7 adjustments	5 attachment points, 5 adjustments
Certification	ANSI	CE, LA
Standard	ANSI Z359.11-2021	EN 361, EN 358, EN 813, AS/NZ S1891.1:2007
Static load (kN)	16	15
Rated load (kg)	140	100
Service life	5 years	5 years
Material	Webbing: 1000D Polyester fiber; Hardware: Aluminum alloy; Storage bag: Elastic+Retainer plate; Pad: 3D mesh fabric+EVA	



# Safety Lanyard



12100510  
100% Tie-Off  
Shock-Absorbing  
Lanyard (Dual Leg)



1210010  
100% Tie-Off  
Shock-Absorbing  
Lanyard (Dual Leg)



SC-01001  
100% Tie-Off  
Shock-Absorbing  
Lanyard (Dual Leg)



SC-02001  
Shock-Absorbing  
Lanyard (Single Leg)



SD-01001  
Adjustable  
Work-Positioning  
Lanyard



SE-01001  
Vertical Lifeline  
With Shock Pack  
And Fall Arrestor



# Self-Retracting Lifeline

## Specifications

Model	SRL-15S	SRL-25S	SRL-06SA	SRL-08SA
Rated load	30-140 kg	30-140 kg	30-140 kg	30-140 kg
Wire rope length	15 m	25 m	6 m	7.5 m
Wire rope specifications	φ 5 mm SUS316	φ 5 mm SUS316	φ 5 mm SUS304	φ 5 mm SUS304
Maximum braking distance	≤1 m	≤1 m	≤1 m	≤1 m
Protection class	IP 68 / IP 69K	IP 68 / IP 69K	/	/
Anti-Corrosion class	C5-M	C5-M	C4-H	C4-H
Operating temperature	-40°C to 54°C	-40°C to 60°C	-40°C to 54°C	-40°C to 54°C
Weight (including rope)	13.5 kg	24.8 kg	4.9 kg	5.0 kg
Standard	CSA Z259.2.2-2017 EN 360:2002 GB 24544-2009 ANSI Z359.14-2014 ANSI A10.32-2012 OSHA 1910.66 OSHA 1926.502	CSA Z259.2.2-2017 EN 360:2002 GB 24544-2009 ANSI Z359.14-2014 ANSI A10.32-2012 OSHA 1910.66 OSHA 1926.502	CSA Z259.2.2-2017 EN 360:2002 GB 24544-2009 ANSI A10.32-2012 ANSI Z359.14-2021 OSHA 1910.66 OSHA 1926.502	CSA Z259.2.2-2017 EN 360:2002 GB 24544-2009 ANSI A10.32-2012 ANSI Z359.14-2021 OSHA 1910.66 OSHA 1926.502
Certification	CE, GB, CSA, ANSI, OSHA	CE, GB	CE, ANSI, CSA, OSHA	CE



SRL-15S



SRL-25S



SRL-06SA



SRL-08SA



# Fall Protection System

## Guide Rail Fall Protection System Specifications

Model	SL-R60S	SL-R50E	SL-F10
Compatible guide rail	TF-R5, TF-R	TF-R5, TF-R	TF-F
Rated load	30 kg to 140 kg	30 kg to 140 kg	30 kg to 140 kg
Max. static load (kN)	16	16	15
Certification	CE, ANSI, OSHA, ABNT/NBR, AS/NZS	CE	CE
Standard	EN 353-1 ANSI Z359.16 CSA Z259.2.4 ANSI A14.3 OSHA 1910.140 AS/NZS 1891.3 ABNT/NBR 14627	EN 353-1	EN 353-1:2014 +A1:2017 AS / NZS 1891.3-1997GB/T24542-2009



## Wire Rope Fall Arrester Specifications

Model	SL-810S	SL-820S
Compatible wire rope		TF-80 / TF-83 / TF-10
Rated load		30 kg to 140 kg
Max. static load (kN)	15	16
Certification	CE	CE, ANSI, OSHA, ABNT/NBR, AS/NZS
Standard	EN 353-1	EN 353-1, ANSI Z359.16, CSA Z259.2.5 ANSI A14.3, OSHA 1910.140/29, OSHA 1926.502 AS/NZS 1891.3, ABNT/NBR 14627





7/10  
C 28334  
POINT INDUSTRY (SHEPHERD) LTD

**Danger**  
This unit must  
never be used if it is  
damaged or if it does  
not meet the instructions  
for the application. Failure to do  
so may cause injury or  
death. Read the user  
manual for more  
information on the  
correct use of the  
unit.  
C 28334  
POINT INDUSTRY (SHEPHERD) LTD

# Anchor Point

## Specifications

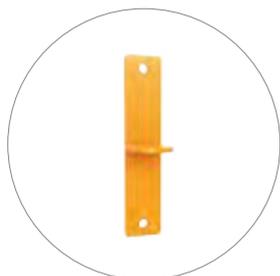
Model	WTL-A1, WTL-A2, WTL-A3.....WTL-A40
Material	Q235B / SUS304 / SUS316L / 23MnCrNiMo54 / 42CrMoA / Q355E
Surface treatment	Zinc infiltration + spraying / Dacromet + spraying / Sandblasting + spraying / Spraying / Titanium plating
Corrosion resistance	C5-M 720h / C5-H 1440h
Load capacity (kN)	12 / 15 / 22.2 / 44.4
Vertical beam size (mm)	60×25 / 72×25 / 74×25
Implementation standards	EN 795, EN 50308, CEN TS 16415, OSHA 1926.502
Certification	CE
Customization	Customized design and manufacturing can be carried out according to different customer needs.



WTL-A3  
Materials: Q235B t4



WTL-A4  
Materials: SUS304 t10



WTL-A5  
Materials: SUS304 t8



WTL-A7  
Materials: SUS304 t8



WTL-A8  
Materials: SUS316



WTL-A9  
Materials: 23MnCrNiMo54



WTL-A10  
Materials: 42CrMoA



WTL-A11  
Materials: SUS316L





Scan to learn more



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