



# HS SERIES

ROUGH TERRAIN SCISSOR LIFT

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ISO45001:2018



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ISO9001:2015

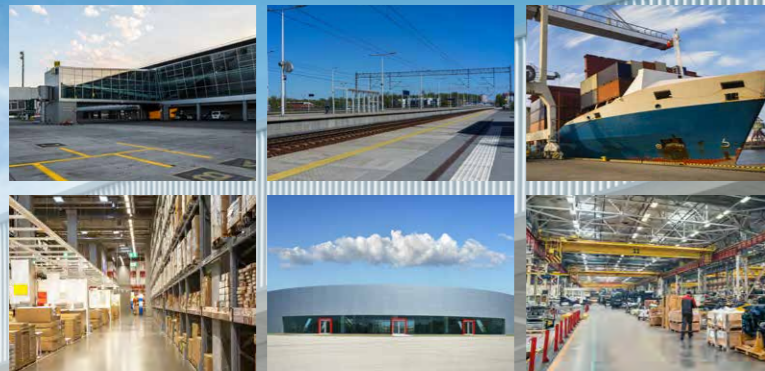


HANGCHA trucks conform to the European Safety Requirements.

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# EVERY JOB IS IN YOUR REACH

The HANGCHA diesel rough terrain scissor lifts make many difficult and dangerous jobs easier, such as indoor and outdoor cleaning (ceilings, curtain walls, glass windows, eaves, canopies, chimneys, etc.), installation and maintenance of billboards, installation and maintenance of street lamps and traffic signs, construction at construction sites, etc.



This aerial lift platform is characterized by flexibility and convenience. It can replace scaffolding to reach the height you need and solve your problems. At the same time, it can save your costs and precious time. It is particularly suitable for large-scale continuous high-altitude operations in airport terminals, stations, docks, shopping malls, sports venues, community properties, factory workshops, etc.

## Walkable at High Altitude

The machine has the function of automatic walking. It can walk quickly or slowly in different working states. Only one person can operate the machine to continuously complete lifting, advancing, retreating, and turning at high altitude, greatly improving work efficiency compared to traditional hydraulic platforms and reducing the number of operators and labor intensity.

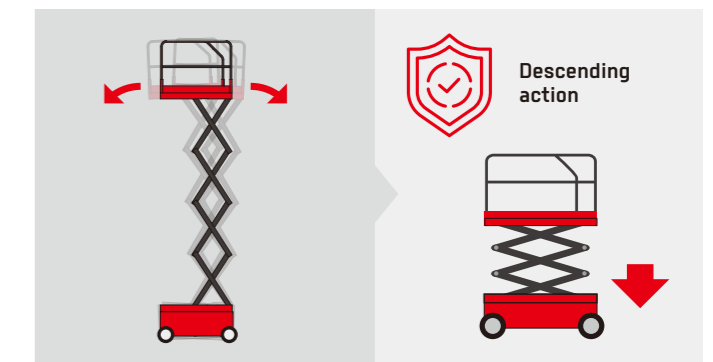


## Stepless Speed Regulation

- The machine's engine throttle control has three speed gears (or stepless speed regulation). When there is no action for a long time, the engine automatically reduces to low idle speed to meet the energy-saving requirements.
- The engine intake system adopts a closed double-stage filter, suitable for working in dusty environments; and it is convenient for maintenance and repair.
- It is equipped with an automatic shutdown device when the engine overheats or the hydraulic oil pressure is too low.

## Safety Protection

The machine is equipped with a level alarm. When the whole vehicle tilts beyond the safe angle, the machine automatically enters the protection system and only allows the machine to have the descending action. It can be used normally after returning to a safe state. The HS series diesel type aerial work platform is equipped with an oil pipe explosion-proof system at each cylinder.



## Emergency Device

This machine is equipped with an emergency descent system.

## Marking

The marking is clear and the meaning is explicit.

# WORKS LIKE AN EXTENSION OF YOU

## Control System

**1** It adopts PLC and CAN bus control mode. An industrial controller is installed on the chassis and the platform respectively to simplify the wiring and facilitate maintenance and repair. Metal aviation plugs are used, with a protection level reaching IP65. At the same time, advanced CAN bus control is adopted, with simple wiring and good reliability; maintenance and fault diagnosis are simple.



**2** It is equipped with upper and lower control consoles (ground control console and platform control console), and the upper and lower control consoles are switched using a reversing switch. When the upper control is used, the lower control console is locked.

**3** An enable button is installed on the platform. Only when the enable button is pressed can the operation be performed.



**4** Both the upper and lower control consoles are equipped with emergency stop buttons. When an unexpected situation occurs during operation, the operator can quickly cut off all actions to prevent the platform from continuing to move.

## Disc Brake System

This platform adopts a hydraulic disc brake system. When the machine is in a stopped state, the wheels are always in a braking state and can brake reliably on a 22-degree slope.

## Self-Diagnosis Function

It has a self-diagnosis function, allowing customers to quickly grasp the working status of the equipment and better maintain and repair it.

## Overload Protection

It has overload protection function, providing mandatory protection for personnel who are not familiar with this equipment.

## Extended Platform

The platform can be extended, expanding the working range and meeting the special needs of some users.



# A REAL STRONG OFF-ROAD ACTOR



## Technical Data

1	Model	unit	HS1223RH	HS1523RH	HS1823RH
2	Maximum Working Height	m	12	15	18
3	Maximum Platform Height	m	10	13	16
4	Platform Capacity	kg	1150	680	680
5	Extension Platform Capacity	kg	230	230	230
6	Length (without/with outriggers)	m	3.94/4.31	3.94/4.31	3.94/4.31
7	Width	m	2.28	2.28	2.28
8	Stowed Height	m	2.88	3.1	3.3
9	Stowed Height (guardrail folded)	m	2.12	2.35	2.55
10	Wheelbase	m	2.77	2.77	2.77
11	Minimum Ground Clearance	m	0.3	0.3	0.3
12	Platform Size (L-W)	m	3.9-1.83	3.9-1.83	3.9-1.83
13	Platform Extension Size	m	1.2/1.45	1.2/1.45	1.2/1.45
14	Minimum Turning Radius	m	3.05/6.07	3.05/6.07	3.05/6.07
15	Travel Speed Fully Retracted	km/h	6.3	6.3	6.3
16	Travel Speed While Lifting	km/h	1.1	1.1	1.1
17	Gradeability		26.6° (50%)	24.2° (45%)	21.8° (40%)
18	Solid Tire Specification		33.12-20	33.12-20	33.12-20
19	Weight	kg	6850	7350	8850
20	Fuel Tank Capacity	L	110	110	110
21	Hydraulic Tank Capacity	L	130	130	130
22	Drive Type		4.4-2	4.4-2	4.4-2
23	Engine		Kubota	Kubota	Kubota
24	Rated Engine Power		36Kw/2000rpm	36Kw/2000rpm	36Kw/2000rpm

