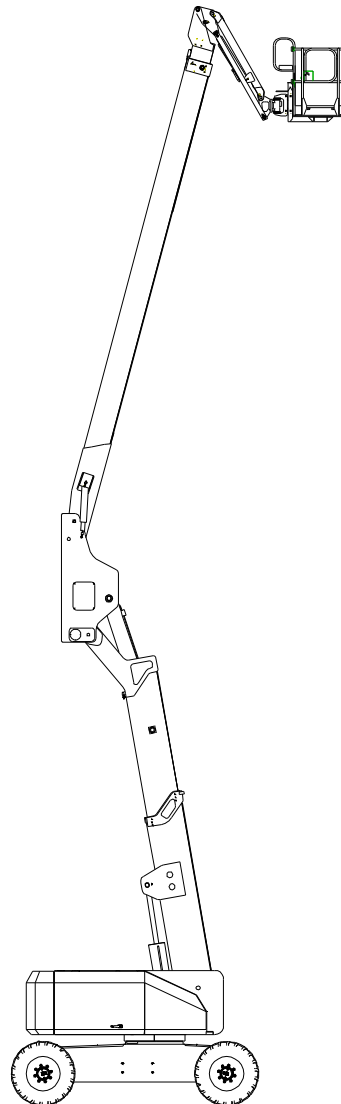




Hunan Sinoboom Heavy Industry Co., Ltd.

Technical Offer

GTZZ25J



Edition: 2014.05.23

SINOBOOM Self-propelled Articulating Boom Lift

GTZZ25J

Detailed Technical Offer

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I. Company Profile

Hunan Sinoboom Heavy Industry Co., Ltd is Chinese technical leading player in Chinese MEWP field, located in Changsha, Hunan, P.R.China, the Chinese engineering machinery manufacturing base. Sinoboom is specialized in engineering machinery R&D, production, sales and after sales services, with aerial work platform as the main product.

SINOBOOM R&D team consists of senior experts with more than 18 years of experiences based in hydraulic, mechanical, electrical separate fields and in Chinese engineering machinery field. Sinoboom self-patented self-propelled aerial work platform can provide access solution from 8m-44m working height. With focus on market demands and technical innovation, the company is developing, guided by the globalization strategy, as the one who enjoys the growth most rapidly and steadily.

There are 4 series of Self-Propelled aerial work platform covering working height from 8M to 44M, which are telescopic boom lift, articulating boom lift, scissor lift and spider lift. Now Sinoboom machines are widely being used in ship building/repairing, construction sites, power, telecom, gardening, advertisement, airport and terminals, big objects manufacturers and even college campus in Chinese mainland, Hongkong area, Australia, Singapore, Malaysia, Middle East, and South America. Since 2010 Sinoboom is looking for its Europe partners for joint market development, as all series machines are successfully CE certificated via the world famous SGS.

SINOBOOM well established manufacturing and quality control procedures is based on the ISO9001, and machines strictly following JG/T5101-3, AS1418.10 and EN280 standard for an ensured high quality feature. Excellent hydraulic components from U.S.A and Europe, the broad application of the latest technology and new materials, CAD/CAE/CAM system, and comprehensive inspection methods are working together to secure quality, performance and competitiveness of SINOBOOM.

Keeping to our vision of honesty and technical development, we are continuing to contribute for customer demands of working safely and efficiently.

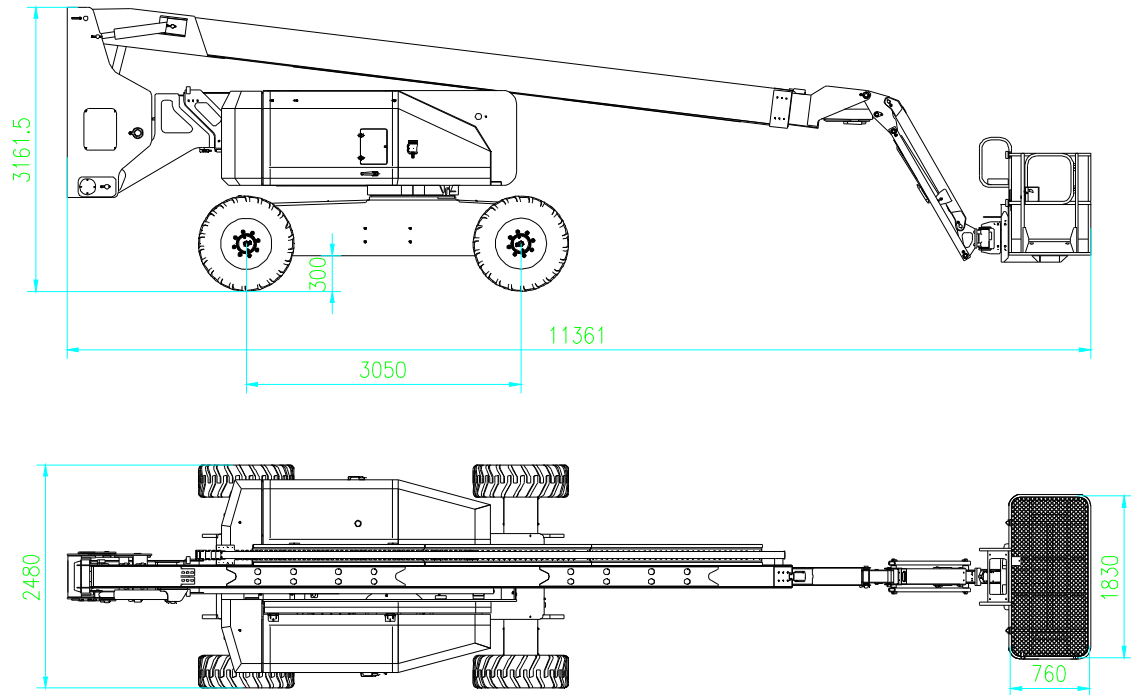


II. Technical Parameters

GTZZ25J parameters

Item	Measurement
Productivity	
Max. Platform height	24.61M
Max. Working height	26.61M
Max. Horizontal reach	16.1M
Turning radius(inside/outside)	3.00M /6.33M
Turntable tail swing	0M
Turntable rotation	360°continuous
Platform rotation	160°
Grade ability	45% (4WD)
Platform Load capacity	230kg
Driving Speed (stowed)	0~4.8km/h
Driving Speed (extended)	0~1.1km/h
Max allowable wind speed	12.5m/s
Max allowable slope	3°
Max noise on normal use	82dB(A)
Max allowable side force	400N
Dimensions	
Overall length(stowed)	11.36M
Overall width(stowed)	2.48M
Overall height(stowed)	3.16M
Ground clearance	0.31M
Wheelbase	3.05M
Platform Size (L*W*H)	1.45*0.85*1.24M
Overall weight	15900kg (4WD)
Tire specification	385X65-24/Solid
Hydraulic oil tank vol.	170L
Hydraulic system vol.	110L
Fuel tank vol.	135L
Control voltage	12VDC
Engine	Original Cummins
Drive & steer model	4WD*2WS

Product dimension drawings



Standard Configurations

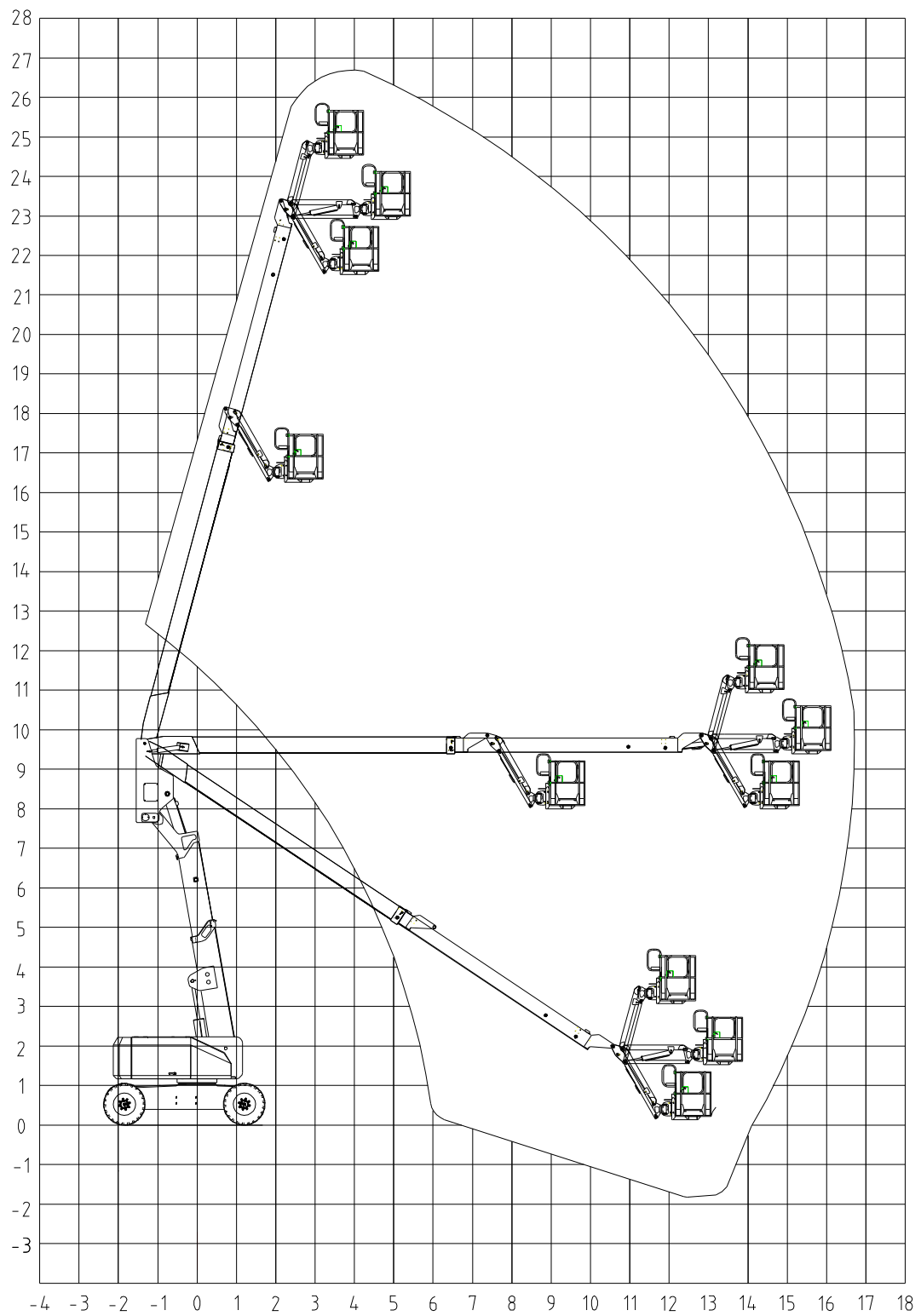
NO.	Items	Producer
1	Driving motor	Original Cummins
2	Turn table	SINOBOOM
3	Variable pump	Sauer-Danfoss(USA)/Rexroth(Germany)/EATON(USA)
4	Gear pump	PERMCO(USA)
5	Slewing reducer	Yiqun
6	Walking speed reducer	RR(Italy)/Omni(USA)
7	Oil cylinder seals	PARKER(USA)/Busak Shamban(Germany)/NOK(Japan)
8	Oil cylinder	Chengdu Cylinder/SANY/Xiamen Yinhua
9	Balance valve	Oil control(Italy)/NEM(Italy)/SUN(USA)
10	Hydraulic valve	Oil control(Italy)/Hydraforce(USA)
11	Travel motor	Sauer-Danfoss(USA)
12	Swing motor	HELCA(USA)/Movece(Italy)
13	Rotary motor	White(USA)
14	Power unit	XQD-3.3H(HuaSheng)/GE5.5'(ChangQian)
15	Chassis	SINOBOOM
16	Boom	SINOBOOM HG70
17	Coupling	KTR(Germany)
18	Proportional control handle	Sauer-Danfoss(USA)
19	PLC programming controller	CYLINDRO(CHINA)
20	Hydraulic hose	Eaton(GEMAC)
21	Air filter	Donaldson(USA)

Remark: The above configurations are subject to change without prior notice

Optional: (All "option" configure will be charged per quotation)

- Working light
- Foam tire
- Platform AC power
- Oscillating axle
- Anti-collision device
- Hydraulic generator
- Engine Cold Boot

Working Range Chart



III. Technical Configuration

General performance

SINOBOOM self-propelled articulated boom lift provides solutions to existing problems of aerial working at height. With the intelligent control system, a compact structure design and flexible multi-booms movements, SINOBOOM machines process outstanding capacity of crossing narrow space and infinitely accessing to complex working conditions.

Configuration

The whole body adopts finite element analysis design with safety as top consideration, and with critical parts like flex arms, rotating platform made by high-strength steel, topping the same kind products in terms of bearing capacity; Operating platform by joysticks

1. The Chassis

4WD&2WS - Standard Configuration

- Ø The maximum driving speed is 4.8 km/h
- Ø The maximum grade ability is 45 % (4WD), the machine won't glide when it stops on the slope, and it could restart at the slope.

2 wheel brake- Standard Configuration

- Ø The two driving tires are used with standard automatic hydraulic pressure to release the spring so that the brake works, and ensure the machine works at 45% slope.
- Ø When you need to move the machine, just cut off the twist hub, then the brake released.

2. The Turntable

- Ø Turntable rotation 360° with two lock-pin hole-site for transportation.
- Ø Engine—Original imported Cummins engine, with powerful power and outstanding exhaust emission.
- Ø The swing-out engine bracket- Provide the latest engine design of our industry, reducing the time of repair and maintenance. By removing the locking bolt, the engine can turn 50 degrees to make it much easier to access to both sides and related components of the engine for maintenance.
- Ø Electrical system with double storage batteries -two 12 volt batteries is separated, and it charges by the generator on the engine.
- Ø Control system- Ground control box contains all debugging functions and associated with boom movements (including the operating handle on the platform).
- Ø The calibration of the components and the machine is performed by control system; all the valves and controllers (joysticks) are through control system. (Including initial setting and debug.
- Ø System diagnosis - the control system can self-diagnosis of the main errors occurring in the system and all components connected to the system, the main faults were indicated by the centralized meter flashing lights and a buzzer alarm.

3. The Booms

- Ø Articulating boom design—more flexible and higher span height it achieves, more convenient for complicated working environment.
- Ø The material for booms—selection of the high strength steel to reduce weight and improve security.
- Ø Automatic leveling by hydraulic system—more safe and reliable, avoided the danger of leveling failure caused by electrical error.

4. The Platform

- Ø Heavy load expanded metal lath
- Ø 160° hydraulic platform rotation
- Ø Loading capacity up to 230kg

5. The Platform Control System

- Ø All the main functions are controlled by the joystick—Driving/Steering, booms' up-down and turntable rotation. Proportional control handle is adopted to achieve the driving, it's short and simple.
- Ø Secondary functions are controlled by toggle switches—the platform leveling and platform rotation
- Ø Button switch is adopted as selection function button - the engine speed, engine start, auxiliary control, driving speed, the horn and generator control .etc.

6. The Security Device

- Ø Full scale gradient control— Full scale gradient control to driving, booms' up-down, booms' extending/retraction and chassis rotation, make it easy for the boom lift to locate even in an narrow space and operated much more placidly.
- Ø The moving confirmation system—enhances the operator's awareness of alertness and safety. When the boom moves over a wheel which is not steering wheel, the driving action can not be operated and at the same time, an indicator on the operating panel lights to warn you that the moving direction now is opposite to which you want to go. At this time the resume driving function must be used for driving confirmation, to ensure that the operator knows the position of the boom and the right handle driving directions.
- Ø Provide 2 safety belt hooks
- Ø Foot switch –control all the functions. Your foot must leave the foot switch to start the engine.
- Ø Platform automatic leveling—when the boom angle changes, automatically the platform will level automatically. When the platform tilt more than two degrees, there comes an alarm, when the platform tilted more than three degrees, the system will cut off the boom lift function and platform leveling function to protect the safety of the operator.
- Ø All functions on the control panel— marked by simple pictographic symbols

7. Hydraulic System

- Ø Hydraulic components—drive pump and driving motor are from well-known international companies.
- Ø Full-pressure hydraulic filters—distribute the hydraulic filters and the oil return filters except the pumps (fuel tank) .
- Ø Closed-loop hydraulic driving circuit—provides excellent power and performance. The load sensing system automatically adjusts the pump output to maintain optimal performance. Driving system adopts axial variable piston pump and plunger travel motor in the level of the latest technological developments.
- Ø Hydraulic system modules—provide reliability at the same time improving the maintainability and troubleshooting. Incorporates the hydraulic to four hydraulic modules, respectively used for boom function, two wheel drive function, two wheel steering function, stream function, platform function and auxiliary drive function, reducing the hoses, connectors, and possible leakage while increasing the reliability. Diagnostic devices, troubleshooting, and maintainability improves hydraulic and traditional piping systems.

8. Transportation

- Ø Overall width 2.48M, suite the width of the trailer chassis standards
- Ø The machine with the trailer height below 4M
- Ø Well-distributed axle weight distribution, to avoid possible problems caused by axle distribution uneven, uneven axle distribution may lead to the trailer axle overload and hard to hoist.

9. The other parts

- Ø Igniter and repeat ignition protection system: to protect the engine flywheel ring gear and starter the motor.
- Ø Automatic shut-down when the engine fault: the engine cutoff automatically when the engine temperature is too high or too low engine oil pressure.
- Ø Movable cover board make easy maintenance: maintenance people can easily access to the internal structure of the machine.
- Ø Axis-pin and bushing-block: easy for maintenance and long-period service life. All axis-pins using the heat treatment, galvanized chrome-plated and self-lubricating bearings; do not need to add the yellow grease. Through the cycle experiments the machines can withstand 10 years of normal use.

10. Some illustrations of SINOBOOM machines

Engine

SINOBOOM provides multiple options on the host engine: Perkins/Cummins
Swing-out engine tray allows for faster & easier access for routine maintenance.



Power unit

The machine is equipped with a power unit, to prevent the machine shut down from the engine faulty. It will provide power to the machine to let the workers in the sky to stow down the boom and go back



Foam tires

Foam tires and big pattern wide tires as optional configurations to offer extra advantages for special working site.



Tubes

World famous tube Manuli used to offer better leak-proof and much more durable.



Covers

Instead of glass fibre which is easy to get deformed in bad climate, steel covers are adopted, which are much more durable and light, easy to lift and down, less gaps.



Control box on the platform

A control box equipped on the platform, which is easy for the operators to perform all actions in the sky, the joysticks are also world famous brand from USA.



Valve blocks

The major valve blocks are totally concentrated in the integrated block in the cabin, easy for maintenance, service and repair



Axle pin

Slide bearing to prevent bearing crack resulting from dust and other debris in the void between the axles. All axle pins are processed with the wear-resistance and electroplating.



CAN-Control

The control box on the ground is easy for adjustment, read, maintenance.



IV. Tools and Spare Parts

III. Free spare parts list

Serial	Code	Parts Spec.	Quantity
1	5310002	O Sealing Ring 7.5*1.5mm	15
2	5310003	O Sealing Ring 9.0*1.5 mm	15
3	5310004	O Sealing Ring 10.0*2.0 mm	10
4	5310005	O Sealing Ring 12.0*2.0 mm	5
5	5310006	O Sealing Ring 16.3*2.4 mm	10
6	5310007	O Sealing Ring 20.0*2.0 mm	5
7	5310008	O Sealing Ring 20.3*2.4 mm	5
8	5310010	O Sealing Ring 25.3*2.4 mm	5
9	5310016	O Sealing Ring 20*2.4 mm	2
10	5310012	O Sealing Ring 30*2.4 mm	1
11	5310013	O Sealing Ring 32*3.1 mm	3
12	5310014	O Sealing Ring 60*3.1 mm	2
13	5311007	O Sealing Ring 28*3.55 mm	10
14	5311008	O Sealing Ring 30*3.55 mm	10
15	5311003	O Sealing Ring 19*1.8 mm	10
16	5311009	O Sealing Ring 22.4*2.65 mm	10
17	5311006	O Sealing Ring 20*1.8 mm m	10
18	5402004	Combined Sealing Ring 33mm	5
19	5402005	Combined Sealing Ring 42mm	5
20	5402006	Combined Sealing Ring 48mm	5
21	5401001	Combined Sealing Ring 14mm	5
22	5601001	Oil Cup M10x1	10
23	5602001	Oil Cup M10x1	10
24	6206001	Suction Filter	2
25	6209001	Filter Core	1
26	6209002	Filter Core	2
27	3503001	Fuse 10A	10
28	3503003	Fuse 20A	5
29	3602012	Oil Pressure Tester Kit	2
30	3602011	Oil Pressure Tester Kit	1
31	6201018	Connector	1
32	6201017	Connector	1
33	6204002	Plug	2
34	6204004	Plug	2
35	6204006	Plug	2
36	6204007	Plug	2
37	6209004	Engine filter	1
38	6209003	Engine filter	1

39	6600038	Engine oil filter	1
40	6600040	Diesel engine fine filter	1
41	6600039	Engine oil and water separator filter	1

Free Tool Kit

Serial	Code	Name in English	Quantity
1	5811002	Adjustable Spanner 450mm	1
2	5811001	Adjustable Spanner 250mm	1
3	5817001	Plus Driver 150#	1
4	5816001	Screw Driver 150#	1
5	5819001	Straight Tip Shaft Circlip Pliers 150	1
6	5818001	Straight Tip Hole Circlip Pliers 150	1
7	5826001	Sleeve Wrench 4	1
8	5810001	Double End Solid Wrench 5.5*7	1
9	5810002	Double End Solid Wrench 8*10	1
10	5810003	Double End Solid Wrench 13*16	1
11	5810004	Double End Solid Wrench 16*18	1
12	5810005	Double End Solid Wrench 18*21	1
13	5810006	Double End Solid Wrench 22*24	1
14	5810007	Double End Solid Wrench 30*32	1
15	5810008	Double End Solid Wrench 34*36	1
16	5827001	Hexagonal Wrench 5	1
17	5827002	Hexagonal Wrench 6	1
18	5827003	Hexagonal Wrench 8	1
19	5827004	Hexagonal Wrench 10	1
20	5827005	Hexagonal Wrench 12	1
21	6600051	Tool Kit 160*160*330mm	1
22	6600044	Strap Wrench 9"	1
23	6600004	Safety belt	2

V. Training and Inspection

1. Technical Training

SINOBOOM will provide technical training courses about the operation and basic maintenance at SINOBOOM plant, following below training table.

Training Table

Training Item	Status	Result
1.Mechanism structure training		
Chassis		
Turntable		
Booms		
Platform		
Weighing		
2. Operation training		
Important notes before start the machine		
Important notes while operating		
Normal operation procedure		
Buttons and joysticks instruction		
Ground operation training		
Platform operation training		
3. Hydraulic system		
Basic principle		
Basic structure		
Function module (position, function)		
Basic maintenance and failure diagnosis		
Replacement of the hydraulic components		
Replacement of the filter elements		
4. Electric system		
Basic principle		
Basic structure		
Basic maintenance and failure diagnosis		
5. Engine		
Engine maintenance		
Daily maintenance		
Every 250 hrs maintenance		
Every 500 hrs maintenance		
6. Daily maintenance		
Inspection before starting		
Inspect the hydraulic oil level and color, cooling		

liquid.		
Inspect if any leakage of oil and water.		
Inspect the engine oil level		

2. Inspection

SINOBOOM will notify the customer the actual delivery date before the shipping date specified in the contract, and support the customer to do a reception inspection as below table:

Inspection Table

Inspection Item	Status	Result
1.Overall inspection		
Surface inspection		
Mechanical leakage inspection		
Bolts inspection		
Engine condition		
Labels		
Instrumentation		
Engine swing-out function		
2、Ground control		
Key switch		
Engine operation/start/stop		
Emergency stop		
Auxiliary power		
Re-start delay		
Turret/platform rotation		
Boom function		
3、Platform control		
Engine operation/start/stop		
Emergency stop		
Re-start delay		
Auxiliary power		
Turret/platform rotation		
Axle stowed/extended		
Axle steering		
Boom/cable guide rail/cable		
Boom extend		
Boom stow		
Boom raise		

Boom lower		
Limit switch for boom extended		
Limit switch for driving confirmation		
High-speed travel		
Low-speed travel		
4、 Safety inspection		
Load test		
Level warning		
Foot switch		
Gradeability		
Lock function for boom raise		

IV. After-sale Service

1. General

Under normal operating conditions, SINOBOOM provide the following warranty service based on that the aerial lifts are operated and maintained correctly as per instruction in the Operation and Maintenance Manuals.

Warranty range:

Failures caused by design, manufacture or quality problem of parts.

Failures caused by welding.

Operation failures or hydraulics problems caused by manufacture or assembly.

Note: Free spare parts and tools are exclusive, fast moving parts are exclusive which including cylinder seal kit, filter element of engine and hydraulics.

Warranty period:

12-month or accumulative operation time 2000 hrs for the complete appliance, whichever comes earlier.

36-month or accumulative operation time 6000 hrs for the structure parts, whichever comes earlier.

Note: Warranty of engine and hydraulic pumps should follow the policy of manufacturer; warranty period of battery is 3-month.

After the warranty period, SINOBOOM or SINOBOOM partner still offer life-long maintenance, spare parts supply and technical support services with cost charged.

2. Service content

- (1). **FREE** installation and adjustment instruction.
- (2). **FREE** professional technical training for you to train qualified operators.
- (3). Inspect periodically the operation of machines and instruct maintenance and repair for your operators.
- (4). Warranty service and life-long maintenance services out of warranty period (charge of material and labor cost).

3. Vendor's commitment

- (1). The vendor shall renovate within the limited period if any unqualified items occur in the inspection.
- (2). The vendor shall make respond within 24 hours after receiving the complaint call or fax if any malfunction within the warranty period, and instruct the repair.
- (3). If machine fails due to vendor's responsibility, vendor should assign technician and arrive at the work site to provide free maintenance, vary from the distance and other force majeure.
- (4). The vendor shall provide broad preferential technical support, service and prior accessory supply.

IPAF certificate of membership (International power access federation)



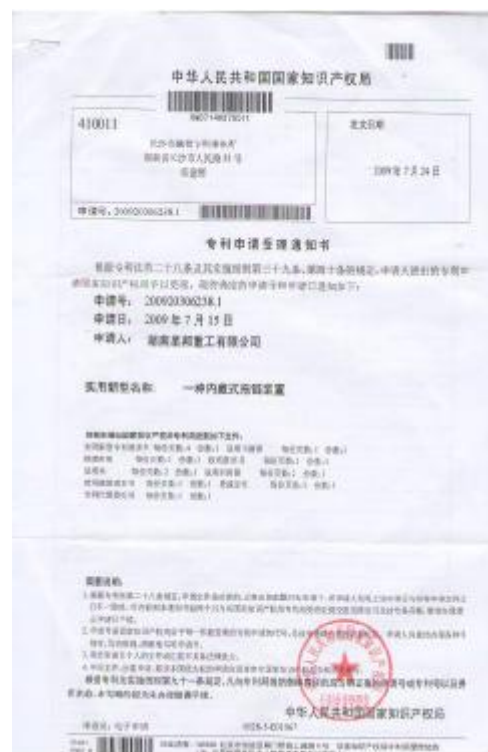
SINOBOOM Patent Certificates

The self-patent certificate of self-propelled aerial work platform;
A telescopic taw chain unit with mobile bracket;

An embedded taw chain unit

A telescopic taw chain unit; An anti-crash unit of the telescopic cylinder and steel rope bracket

An anti-crash unit of the telescopic cylinder and steel.



SINOBOOM CE Certificate for GTZZ18J

Client: Hunan Sinoboom Heavy Industry Co., Ltd.
27# Nan'er Road,
Changsha,
Hunan,
P.R.China

SGS

SGS United Kingdom Limited
Unit 10
Bowburn South Industrial
Estate
Bowburn
Durham

CERTIFICATE OF ADEQUACY

Certificate No MDC 732

SGS United Kingdom Ltd is a Notified Body appointed by the DTI under the Machinery Directive 2006/42/EC.
Appointment Number 0353.

Date of Issue	16 th April 2010	
SGS Reference	CST135159/r	
Details of Product	Articulated Boom Aerial Work platform MODEL TYPE: GTZZ 15, GTZZ 15J	
Date of Receipt	12 th April 2010	
Date of Assessment	12 th April to 15 th April 2010	
Assessment Performed	Assessed for compliance with the requirements of Annex VII of the Machinery Directive 2006/42/EC (Technical File).	
Conclusion	In the opinion of SGS the submitted technical file referenced as QUCE 10107 satisfies the requirements of the Machinery Directive 2006/42/EC.	
Issue No.	1	Valid until 14 th April 2015

This certificate refers only to the sample submitted for test. This certificate shall not be reproduced except in full without the written approval of SGS United Kingdom Limited.

The CE mark as shown below can be used under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives.

Authorised Signatory

A. Higgins

A. Higgins
Principal Test Engineer

All enquiries relating to this certificate must be directed to the Test Engineer

This document is issued by the Competent Body. Document Certificate of Adequacy must be retained. Attention is drawn to the fact that the Competent Body is not responsible for the accuracy of the information provided by the client. The Competent Body is not responsible for the accuracy of the information provided by the client. The Competent Body is not responsible for the accuracy of the information provided by the client.

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Doc: MDC 732, Iss: 01/05/10
PG77301

SGSPAPER

10063182

Client: Hunan Sinoboom Heavy Industry Co., Ltd.
27# Nan'er Road,
Changsha,
Hunan,
P.R.China

SGS

SGS United Kingdom Limited
Unit 10
Bowburn South Industrial
Estate
Barnburn
Durham

EC TYPE EXAMINATION CERTIFICATE

Certificate No MDC 733

SGS United Kingdom Ltd is a Notified Body appointed by the DTI under the Machinery Directive 2006/42/EC
Appointment Number 0353

Date of Issue	15 th April 2010
Details of Product	Articulated Boom Aerial Work Platform MODEL TYPE: GTZZ 15, GTZZ 15J
Manufacturer	Hunan Sinoboom Heavy Industry Co., Ltd.
Date of Receipt	12 th April 2010
Technical File Reference No.	QUCE 10107
Assessment Performed	Type examination with reference to: Conformity to Annex 4 and Annex 1, the Essential Health and Safety Requirements of the Machinery Directive 2006/42/EC section 1
Standards Referenced	EN 280: 2001+A2: 2009; EN ISO 14121-1: 2007
Conditions Subject to Issue	Acceptance of information detailed in Technical File QUCE10107 and referenced against CST135159/1
Declaration	In the opinion of SGS the submitted technical file satisfies the requirements of the Machinery Directive 2006/42/EC
Issue No.	1. Valid until 14 th April 2015

This certificate is only valid for the equipment and configuration described in conjunction with the data detailed above. This certificate shall not be reproduced except in full without the written approval of SGS United Kingdom Limited.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives.

Authorised Signatory

F. Higgins

CE

F. Higgins
Principal Test Engineer

This document is issued by the Company under its Issue All enquiries relating to this certificate must be directed to the Test Engineer.
Validity, maintenance and cancellation issues defined herein.

Key holder of this document is advised that information contained herein reflects the Company's findings at the time of its issuance only and is not a guarantee of future performance. It is the responsibility of the user to ensure that the equipment is maintained and operated in accordance with the manufacturer's instructions. The Company is not responsible for any damage or injury caused by the use of the equipment. The Company is not responsible for any damage or injury caused by the use of the equipment. The Company is not responsible for any damage or injury caused by the use of the equipment.

SGS PRIMER

10063160

NOTES to be kept by the user

Page 10

SINOBOOM ADR Certificate for GTZZ18J

 Government of Western Australia
Department of Commerce



Date: 31 January 2012

PLATFORM SOLUTIONS PTY LTD
PO BOX 403
BUNBURY 485

ATT: Mitchell Ery

EVIDENCE OF DESIGN REGISTRATION
Your application dated 17 September 2011 and referred to in accordance with regulation 4.3 of the Occupational Safety and Health Regulations 1996 has been processed and registered as follows:

Design Registration Number: WA018794

Date of Registration: 31 January 2012

Description of Plant: Boom Type Elevating Work Platform - "Hinged Hydraulic"
Model: GTZZ18J
Manufacturer: Haise Heavy Industry Co., Ltd.

Design Conditions: Also seen third Load 250 kg (maximum 3 persons).

Design Code: AS1418.10-2004

This registration is for the design shown on drawing number GTZZ18J-AJ Rev. 1.
Please ensure the registered number is prominently displayed on the vicinity of the plant in accordance with regulation 4.3(1)(b).
Any subsequent alterations made to the registered design will require re-registration in accordance with regulation 4.3.


Laurie Harwood
Mechanical Engineer
Engineering Services

Information about this registration is available on the WorkSafe website. Telephone: 08 9427 4717 Fax: 08 9427 4872 Email: info@worksafe.wa.gov.au Website: www.worksafe.wa.gov.au



Reference: V118149

17 JAN 2012

Mitchell Ery
City Family Trust
PO Box 403
BUNBURY 485

Dear Mr Ery,

Registration of Plant Design: Registration Number V118149

Please find enclosed 1 copy of plant design registration according to the Occupational Health and Safety Regulations 2007 and the Equipment (Public Safety) Regulations 2007. This notice does not imply approval, acceptance or endorsement of the design.

For further clarification, please contact the Licensing Branch on 1300 952 962 and Page 3 for Plant enquiries or email saferules@worksafe.wa.gov.au during our reference number.

Yours sincerely,


Laurie Harwood
Licensing Manager

Enclosed:
Notice of Plant Design Registration

WorkSafe Western Australia is a division of the Department of Commerce. Telephone: 08 9427 4717 Fax: 08 9427 4872 Email: info@worksafe.wa.gov.au Website: www.worksafe.wa.gov.au

CERTIFICATE OF PLANT DESIGN REGISTRATION

Occupational Health & Safety Act 2003
Occupational Health & Safety Regulation 2007

0800 77 882 747 000
Phone 021 4321 3446
Fax 021 4321 3554

Registration No: **NSW 6 50238811** ARS: 60122818021 Issue Date: **18/10/2011**

Contributor: The Trustees for The City Family Trust
Postal: P.O. Box 403
Address: BUNBURY
QLD 4804

Plant Type: Boom Type Elevating Work Platform Original

Model Number/Trade Name: GTZZ18J-AJ

Design's Description:
Maximum height: 20.000m
Max Radius (m): 0.200m
Max Working Height (m): 17.800m
Max Rated Capacity (kg): 250.000kg
Design Number: GTZZ18J-AJ

CONDITIONS:

- The registration applies only to the design specified and does not extend to any other design.
- The design must comply with the relevant standards, including the Australian Standard AS1418.10-2004.
- The design must be registered and comply with the relevant standards, including the Australian Standard AS1418.10-2004.
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Fee Paid: \$ 65.00 Receipt No: 30-9074

making a difference



NOTICE OF PLANT DESIGN REGISTRATION

Plant Type: Boom Type Elevating Work Platform

Registration Number: GTZZ18J-AJ Rev 1

Design Description and Extent: Modelled Rev: GTZZ18J-AJ Self-Propelled

Technical Information: Propulsion Type Self-Propelled, Max SWL 250 kg, Max Working Height (to bottom of basket) 18 m, Max Platform 0 m and Boom Type Hydraulic Extension and Hydraulic Boom.

Manufacturer: Haise Heavy Industry

Confirmation Number: V118149

Date of Confirmation: 17 JAN 2012

Published technical standards or engineering principles: AS1418.10-2011 Cranes, Hoists and Winches - Mobile Elevating Work Platforms.

IMPORTANT INFORMATION

- This notice applies only to the design specified, which has been registered according to the relevant Regulations. The Authority does not warrant that the design has complied with the design regulations prescribed in the Regulations or the above technical standards or engineering principles.
- The plant owner will require the confirmation and, therefore, a copy of this notice is supplied to the manufacturer. AS1418.10 can be used to design a plant with this plant in operation.
- The Regulations require the design to be kept and maintained. It is a suitable code for examination, all records that the Regulations require for 10 years.
- The Authority reserves the right to audit the registered design in any time to assess compliance with the relevant Regulations. If the plant is not compliant, the Authority may stop the plant working until it is brought into compliance or until it is replaced with a design that is compliant with the Regulations. Design systems of work and documentation may also be audited. If an audit identifies non-compliance with the Regulations, all work must be stopped until the design is brought into compliance and only then be permitted to work.
- This notice is automatically invalidated if the design is altered in an extent that requires new measures to control risk. A person must not use, or cause or allow plant manufactured in the altered design to be used, if a modification makes the Authority not confirmed, regardless of the alteration.
- You should quote the registration number in all correspondence to the Authority regarding this design. Any queries should be addressed to the Authority's Licensing Branch, 1300 952 962.
- This notice will also be completed a notice of Plant Design Registration under the Equipment (Public Safety) Regulations 2007.


Laurie Harwood
Licensing Manager

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VIII. SINOBOOM Photos

A corner of the assemble workshop



*GTZZ25J
to be exported to Brazil*



GTZZ25J work at UAE



GTZZ25J in SINOBOOM PLANT

