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SUMITOMO

SUMITOMO CONSTRUCTION
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We are constantly improving our products and therefore reserve the right to change designs and specifications without notice.
Illustrations may include optional equipment and accessories and may not include all standard equipment.

2009® 00T.SH130-6.3 Printed in Japan

SUMITOMO

SH130-6

■ Engine Rated Power (Net): 70.9 kW·96.4 PS
■ Operating Weight:
SH130(LC)-6·····12,400~13,900 kg
■ Bucket: ISO/SAE/PCSA Heaped: 0.24~0.65 m³

LEGEST
HYDRAULIC EXCAVATOR FOR REAL PERFORMANCE

Photos may include optional equipment

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Performance Refined.
Evolution Defined.

Engine and Hydraulics 04-07
- ·New Generation Engine System "SPACE 5+"
- ·New Hydraulic System "SIH:S+"
- ·SUMITOMO Fuel Efficiency Technology
- ·Dramatically Increased Productivity

Durability and Maintenance 08-11
- ·High Rigidity Attachments
- ·EMS
- ·Ground Level Maintenance

Safety and Operator Comfort 12-17
- ·Stylish and Spacious Cabin
- ·High-Definition Full Colour LCD Monitor

Specifications 18-26

ENGINEERED IN JAPAN

The world knows that Japanese designed and engineered products represent the highest quality, especially for Industrial Products. The hydraulic excavator is no exception when a totally integrated concept is required in design work involving key components, manufacturing engineering, and product quality assurance in the factory.
SUMITOMO hydraulic excavators are designed and manufactured today to meet the global demands of our many customers with the concept of Performance, Reliability, and Fuel Efficiency foremost in our minds. This proven Japanese technology and quality gives SUMITOMO excavator customers total peace of mind and provide a complete solution for the demands of the construction industry.

Photos may include optional equipment

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Performance Refined. Evolution Defined.

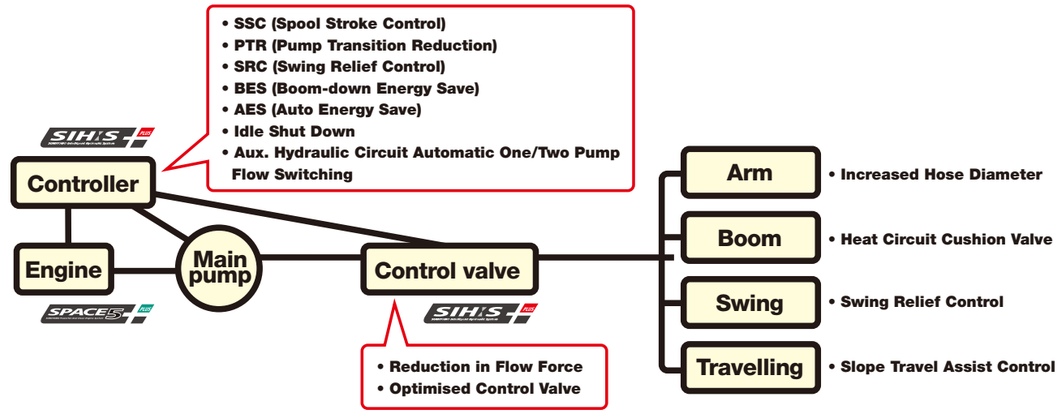
New Engine System + New Hydraulic System = 6% Reduction in Fuel Consumption
(as compared with SH130-5 [H mode])

New Generation Engine System "SPACE 5+"

The new engine system optimises fuel efficiency and environmental performance via the advanced common rail fuel injection system, cooled EGR system, and turbocharger. At the same time, excellent response times are achieved.

Engine and Hydraulics

SH130-6 has achieved a 6% reduction in fuel consumption in comparison with our DASH 5 series, by fusing the new generation engine system "SPACE 5+" and the new hydraulic system "SIH:S+", further refining fuel efficiency. At the same time the newly developed ISUZU engine, contributes greatly to the environment.



Mode Selection by Throttle SUMITOMO UNIQUE DESIGN

There are three working modes available:
SP (Super Power) for heavy duty applications,
H (Heavy) for normal working conditions,
A (Auto) for a wide range of operations.

Further Improvement of Fuel Consumption

The new technology has improved operations and reduced fuel consumption on each working mode.

- SP mode — 2% Reduction in Fuel Consumption
- H mode — 6% Reduction in Fuel Consumption
- A mode — 3% Reduction in Fuel Consumption

(as compared with SH130-5)

*Fuel consumption may vary from time to time depending on site and working conditions, operator skill and other circumstances.

ECO Gauge Showing Low Energy Operation

The energy saving conditions can be seen at a glance, as well as the fuel consumption indicator shown on the monitor.

ECO gauge

Fuel consumption indicator

SUMITOMO Technology for Fuel Efficiency

●SSC (Spool Stroke Control) SUMITOMO UNIQUE DESIGN

Reduces engine load upon heavy duty operation.

●BES (Boom-down Energy Save) SUMITOMO UNIQUE DESIGN

Lowers engine speed upon boom-down and swing operation which does not require large oil flow.

●AES (Auto Energy Save) SUMITOMO UNIQUE DESIGN

Lowers engine speed accordingly when low engine load is sensed.

●PTR (Pump Transition Reduction)

Decreases engine load when the pump flow requirement is reduced upon abrupt pump load.

●Idle Shut Down & Auto Idle

Upon activation, idle shut down automatically shuts the engine down when the machine is not in operation for set amount of time. Auto Idle is also available, which makes the engine begin idling approximately five seconds after the operation levers are in neutral position.

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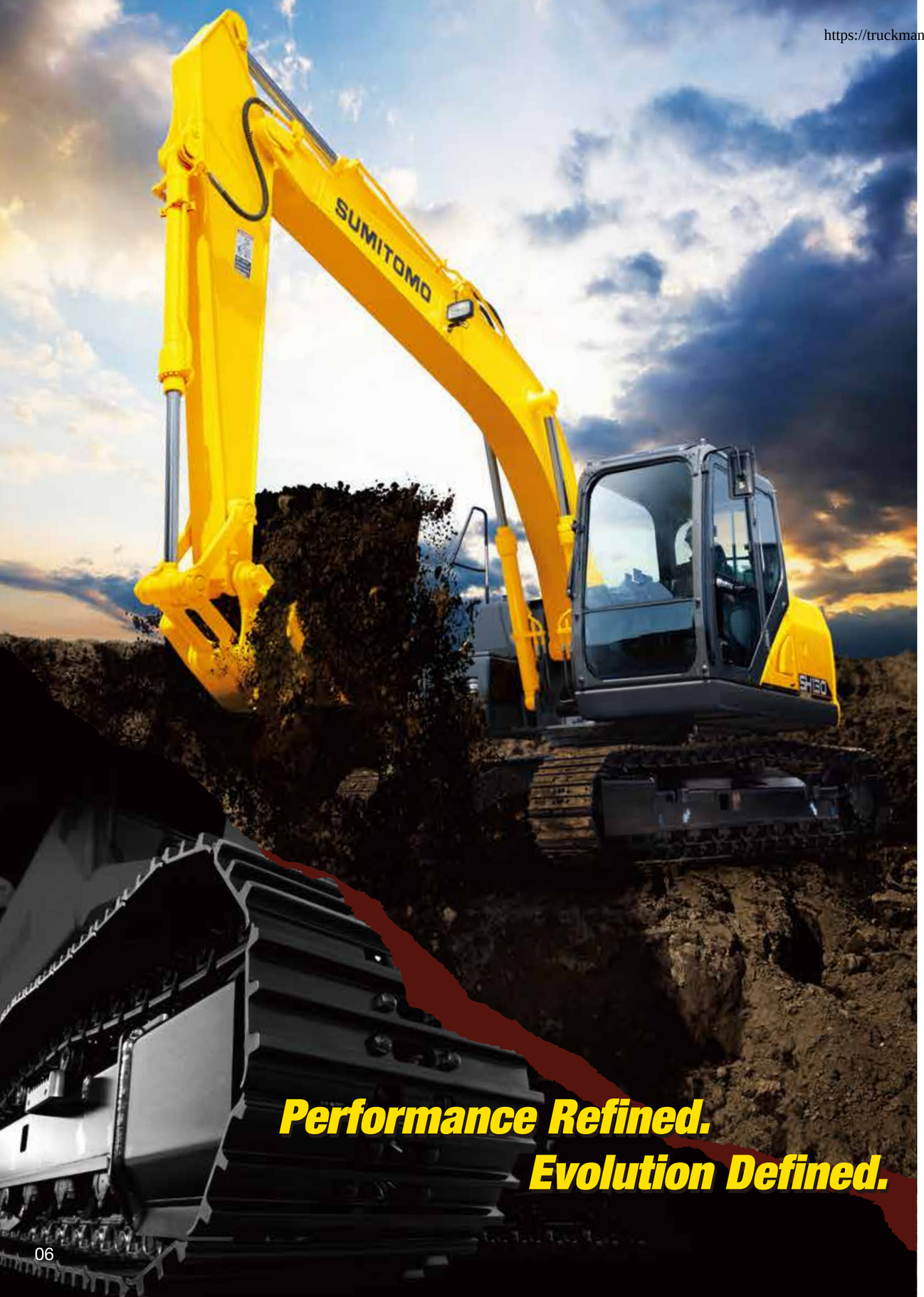


Engine and Hydraulics

SUMITOMO's original technology Spool Stroke Control (SSC), perfectly matches the engine and hydraulic power, and further improves the operational speed whilst maintaining smooth control of the machine.

Work Efficiency Drastically Increased

SUMITOMO UNIQUE DESIGN

Spool Stroke Control (SSC) variably controls spool port flow rate, depending on the condition of operation. Improved power, speed, and smoother controls mean that work efficiency is dramatically increased.

2% Faster Cycle Time (SP mode)

Speed increase by 2% in cycle time has been achieved, giving further advance in productivity (as compared with SH130-5 [SP mode]).

Real Digging Power

The true digging force can not be expressed by a maximum digging power figure listed in sales brochures. With an improved hydraulic system and with a large arm cylinder, the arm-in motion speed slowdown is minimised. The digging power when combined with the attachment speed in motion convert to the operator's "Real Digging Power".

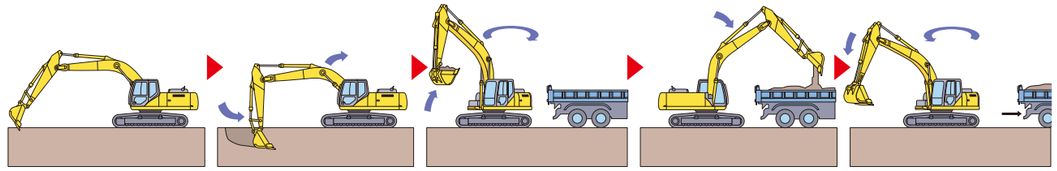
Automatic Power Boost

The digging power increases automatically in quick response to the working conditions during heavy-duty digging work. This is a design unique to SUMITOMO, and continues for eight seconds (SP/H mode).

Speed and Power, Dramatically Increases Productivity

- SP mode **2%** faster cycle time
- A mode **2%** faster cycle time

(as compared with SH130-5)



*Based on SUMITOMO's testing condition and results.

Operating Condition Easily Viewable on Display

Various control such as working modes and auxiliary hydraulic setting can be easily selected by the universally designed switch panel, and what's being selected can be easily viewed on the 7" wide monitor.

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Durability and Maintenance

EMS (Easy Maintenance System) as Standard

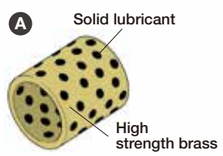
SUMITOMO's EMS keeps the pins and bushes fully lubricated at all times and prevents rattling. This system significantly extends the service life of the pins and bushes.

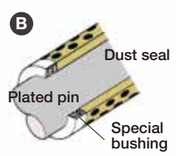
The lubrication interval around the bucket is 250 hours, and for the other sections is 1,000 hours, keeping the joints lubricated for a long time and extending the service life of parts by reducing abrasion and rattling.

- **Bucket greasing interval: 250 hours**
- **Greasing interval for other sections: 1,000 hours**

* The greasing interval depends on the working conditions.

■ EMS bushing





Ⓐ A solid lubricant embedded in high strength brass forms a layer on the bushing surface to prevent contact between metals, maintaining an excellent lubricated state to reduce abrasion of joints.

Ⓑ The surface of the pin is plated to increase the surface hardness and improve the wear resistance accordingly.

■ Sintered EMS bushing

Iron sintered EMS is installed around the bucket

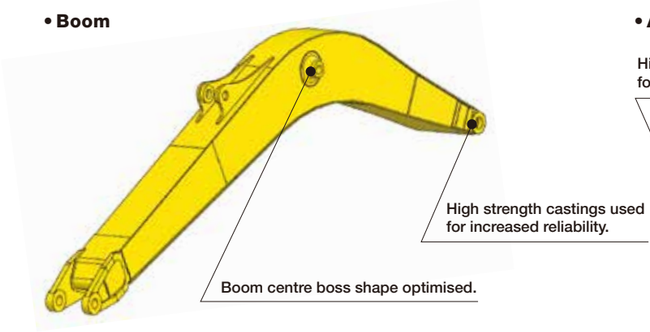
Precautionary use of EMS

① Grease is enclosed, however greasing is necessary every 1000 hours or six months depending on the level of dusting conditions.
② Greasing is also necessary after any components have been submerged underwater for prolonged periods.
③ Greasing is also recommended after use with hydraulic breakers, crushers or other high impact attachments such as Rock Saws etc.
④ Bucket pins should be cleaned thoroughly when removing or attaching new buckets.

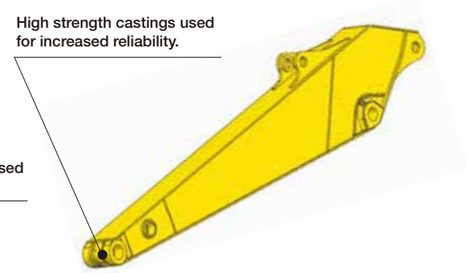
High Rigidity Attachments

The structure of the boom and arm has been further improved, ensuring strength and durability. In addition, high strength castings are used for the boom base and arm end, improving reliability.

- **Boom**

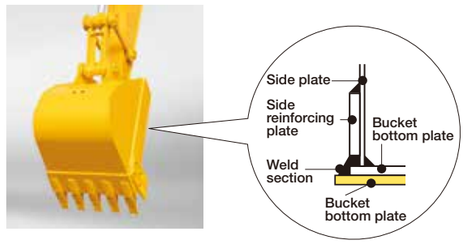


- **Arm**



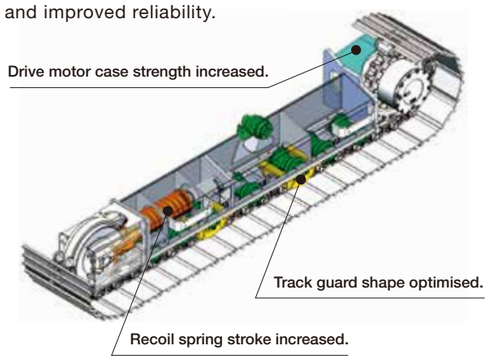
Bucket

A one-piece wear plate covers the weld section to increase the wear life of the bucket.



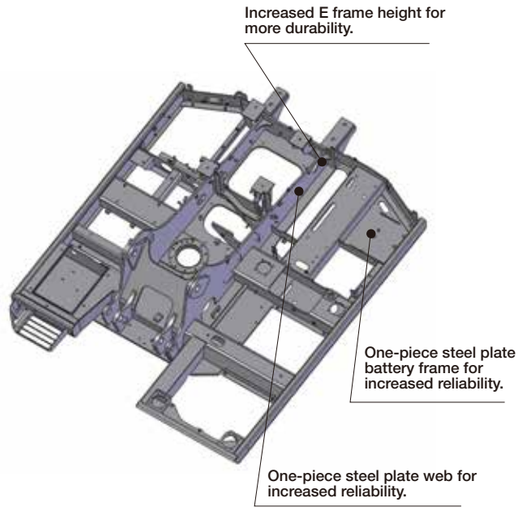
High Rigidity Undercarriage

For improved mobility, the track system has been strengthened ensuring longer wear life, performance, and improved reliability.



High Rigidity Swing Frame

The swing frame has been strengthened to support the new cabin, as well as to increase durability.



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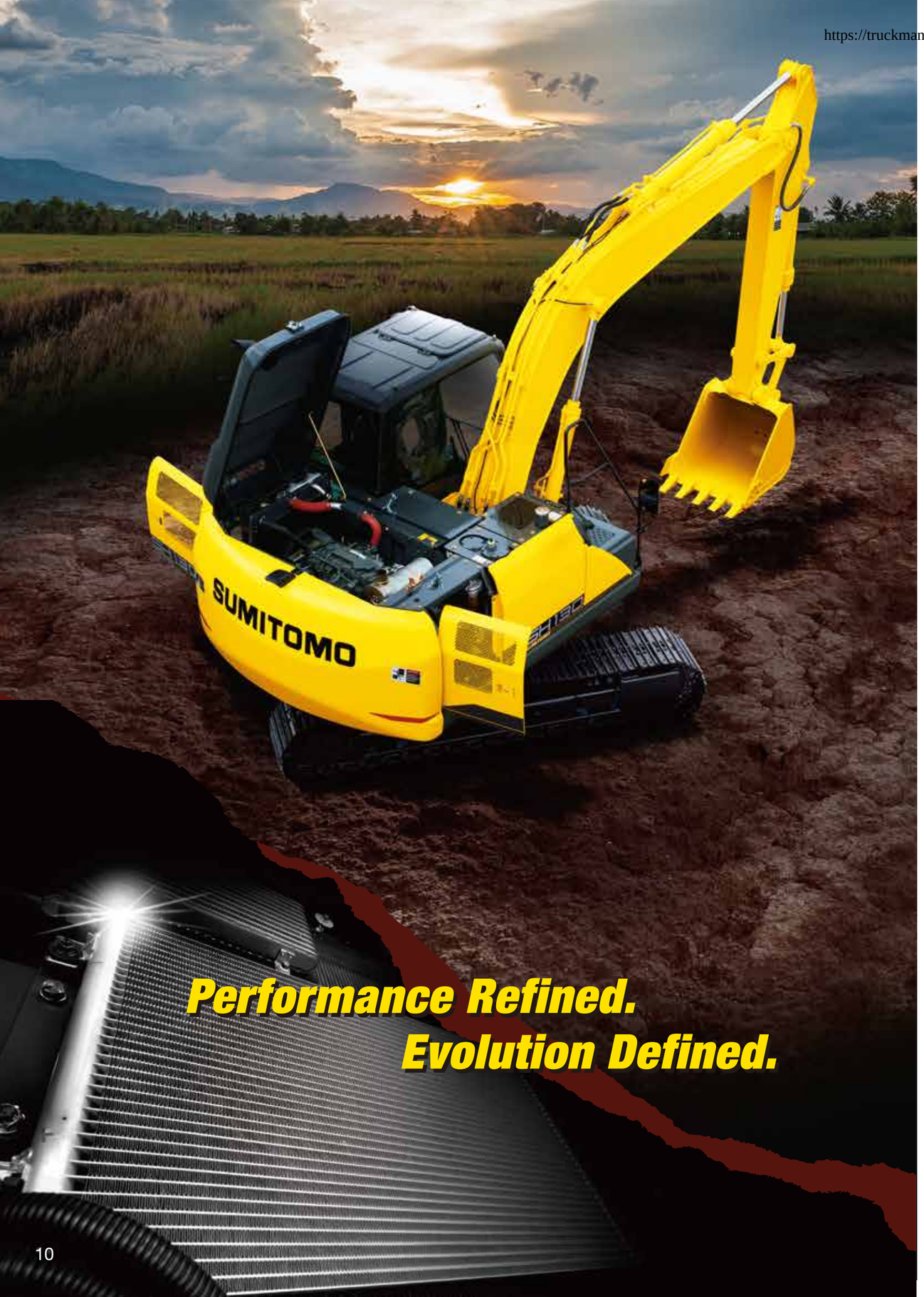


Durability and Maintenance

Serviceability and durability are also important points of machine performance. Ground level access to the engine area makes daily maintenance extremely straightforward. Reliability has been further enhanced by increasing cooling capability and durability.

Ground Level Access to Engine Area Improves Preventative Maintenance

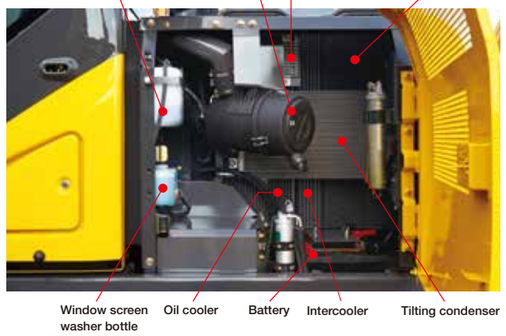
Parts cleaning and maintenance are possible from the ground without climbing onto the upper structure of the excavator body.

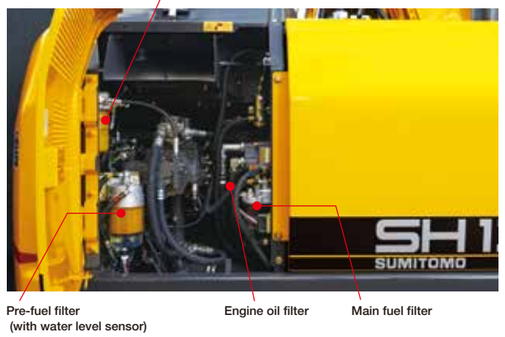
• Increased Cooling Capability

With the larger radiator and oil cooler, cooling capacity is increased, thus improving reliability. In addition, cleaning of the dust-proof net is simplified.

• Easy Filter Replacement

A fuel prefilter and main fuel filter are provided as standard equipment to reduce trouble. In addition, the fuel and oil filters are installed at ground-accessible location to facilitate replacement.





High-Performance Return Filter

The hydraulic oil change interval is 5,000 hours, and the return filter change interval is 2,000 hours. One high performance return filter keeps the same level of filtering as a nephron.

• Hydraulic oil change: 5,000 hours

• Life of filter: 2,000 hours

* The oil and filter change interval varies by the working conditions.

Cab Floor Mat SUMITOMO UNIQUE DESIGN

The washable floor mat has been redesigned for ease of removing and cleaning.

New Side Frame Shape

The cross-sectional shape has been redesigned to make cleaning easier.

Easy Access to A/C Filter

The air intake filter is located in a lockable compartment to make it easier to replace, and access to the inside cab filter has been simplified.

Fuse Box Location

The fuse box has been located in a separate compartment behind the seat, allowing easier access.

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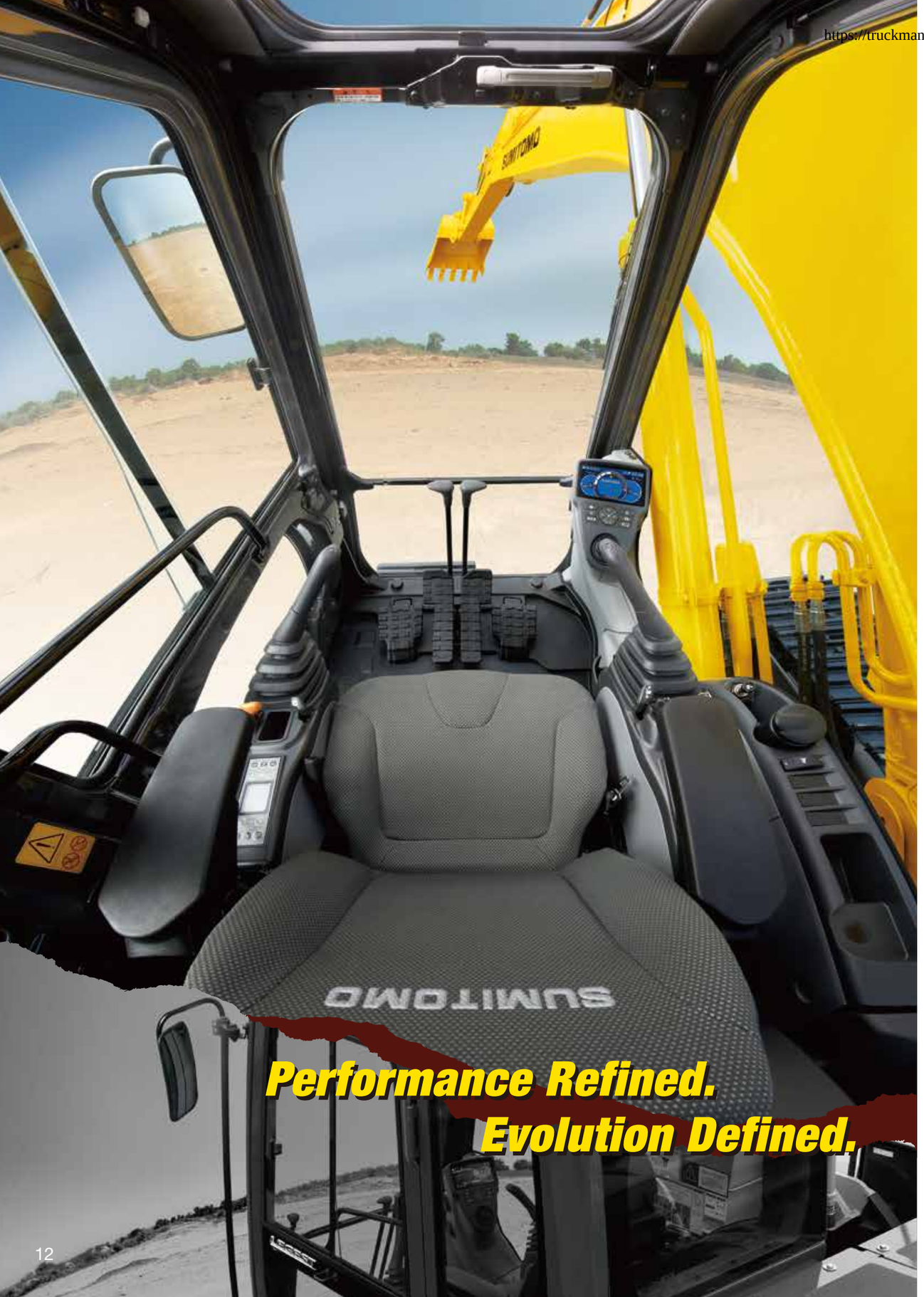
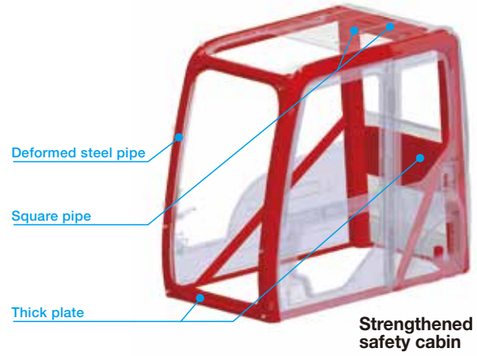


Safety and Operator Comfort

A new strengthened safety cabin has been provided. The reinforced cabin greatly increases operator's safety.

Newly Designed Safety Cabin

The optimised design and strengthened parts increase the overall cabin strength.



Strengthened safety cabin

Wide View Increases Safety of Work

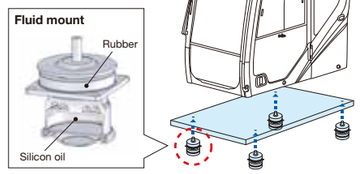
In addition to the wide front view, the upper view has been widened to enhance work safety.

Safe and Easy Entry into and Exit from the Cab

A large handrail for easy opening/closing of the door and increased floor space permit the operator to get in and out of the cab easily.

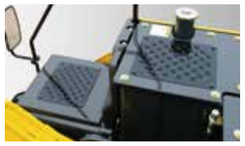
Super Comfortable Cab Mounts and Pressurised Cab

Fluid mounts that support the cab absorb shocks and vibrations effectively, improving ride comfort. The cab also features a pressurised design to prevent dust from entering inside, giving operators greater comfort.



Easy Access to the Upper Structure

New larger front-right step


Non-slip plate SUMITOMO UNIQUE DESIGN

ISO-compliant large handrail

New OPG Level 2 Head Guard (option)

OPG Level 2 head guard is available as an option.
The see-through grille has been redesigned for better protection and visibility.

Cab Front Guard (option)

The optional cab front guard increases security from flying debris during wrecking work or the like.

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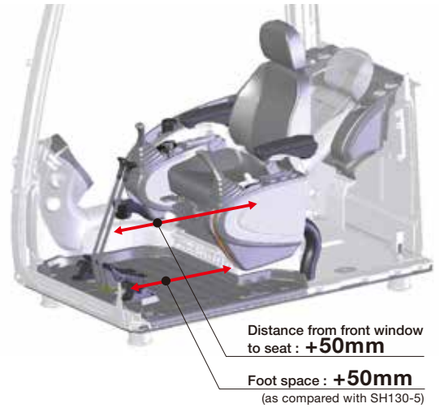
Safety and Operator Comfort

The spacious cab on suspension mounts and reclining suspension seat help reduce operator fatigue and provide a relaxed environment.

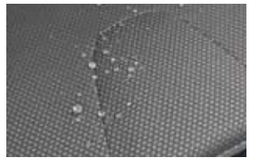


Stylish and Spacious Cab

Wide cab space and floor space ensure more comfortable operation. In addition to the tilting console that is adjustable in four steps vertically, the increased sliding distance ensures optimum working conditions. Moreover, in cab noise level has been reduced by 2dB (as compared with SH130-5).

Sophisticated Reclining Seat

The seat reclining system allows the operator to lay the seat flat and to rest on site without having to remove the headrest. The suspension seat eliminates vibration and fatigue. Air suspension is also available as option.


The highly water repellant seat covering is tough on dirt and water.

Air suspension (option)

Auxiliary Operation Pedal

The auxiliary operation pedal is lighter to depress and the pedal angle is adjustable.

Comfortable Equipment

Luggage space

Hot & cool box

Magazine rack

Automatic Air Conditioner

Fully automatic climate control is available through the eight vents, with an 8% stronger A/C unit, and a 24% improvement in airflow. (as compared with SH130-5)

Radio and Speaker with USB Port and MP3 Jack

In addition to the AM/FM radio and dual speaker system with improved sound quality, auxiliary audio port is provided standard for devices such as MP3 players.

Lever Switches

One-touch idle, horn, radio mute, or one-touch wiper buttons are installed on the operation levers in consideration of improved operability while working.

Radio mute switch (left lever)

One-touch wiper switch (right lever)

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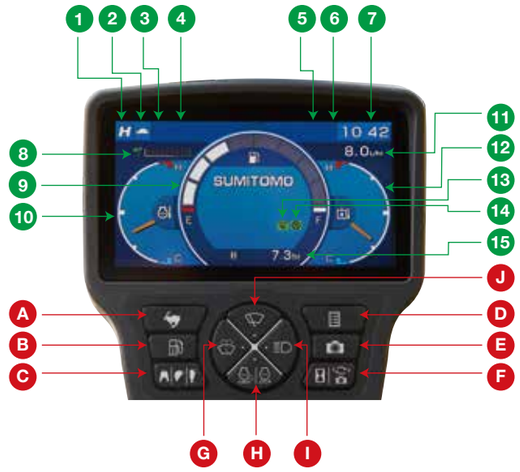
Safety and Operator Comfort

To support the operator in the field, the DASH 6 incorporates a 7" wide full colour LCD monitor with numerous functions and universally designed switch panel. The cabin with enhanced operator comfort ensures a safe working environment.

Large High-Definition LCD Monitor

A new large high-definition full colour LCD monitor has been introduced with better visibility and a switch panel which is easy to operate. Added functionality such as ECO gauge showing parameter of energy saving, display of operation status and warning messages, provides accurate information which improves work efficiency and safety.



Indicators

1. Working modes
2. Travel speed
3. Work lights
4. Engine idle modes
5. Free swing / Anti-theft
6. Attachment selection
7. Digital clock
8. ECO gauge
9. Fuel level gauge
10. Engine coolant temperature
11. Fuel consumption indicator
12. Hydraulic oil temperature
13. Power boost
14. Radio mute
15. Hour meter

Switch Panel

A. Travel speed button
B. Fuel consumption button
C. Aux. hydraulics settings
D. Computer menu
E. Camera on/off
F. Hour meter / Camera toggle button
G. Window washer control
H. Engine idle mode button
I. Worklights on/off
J. Window wiper control

Rearview Camera (option)

With the rearview camera, the operator can view the image on the large LCD monitor. A side camera is available as option and up to two different images can be displayed on the monitor.

Rearview camera (option)

Side camera (option)

Rearview Mirror

The rearview mirrors reduce blind spots during operation. ISO compliant mirrors also available as option.

Front mirror

Side mirror

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Specifications

SH130(LC)-6 Technical Data

Electronic-controlled engine of SPACE 5+ and SIH:S+ with New Hydraulic System Includes: three working modes (SP, H and A), one-touch/automatic idling system, automatic power-boost, speed assistance system, power-swing system.

Engine

SH130-6	
Model	ISUZU GJ-4JJ1X
Type	Water-cooled, 4-cycle diesel, 4-cylinder in line, high pressure common rail system (electric control), turbocharger with air cooled intercooler.
Rated output	70.9 kW (96.4 PS) at 2,000 min^{-1}
Maximum torque	349 N-m at 1,600 min^{-1}
Piston displacement	2.99 ltr (2,999 cc)
Bore and stroke	95.4 mm x 104.9 mm
Starting system	24 V electric motor starting
Alternator	24 V, 50 A
Fuel tank	260 ltr
Air filter	Double element

Hydraulic pumps

Two variable displacement axial piston pumps provide power for boom/arm/bucket, swing, and travel. One gear pump for pilot controls.

SH130-6	
Maximum oil flow	2 x 129 ltr/min
Pilot pump max.oil flow	20 ltr/min

Hydraulic motors

For travel: Two variable displacement axial piston motors.
For swing: One fixed displacement axial piston motor.

Relief valve settings

Boom/arm/bucket ····34.3 MPa (350 kgf/cm^2)
Boom/arm/bucket ····36.3 MPa (370 kgf/cm^2) with auto power-up
Swing circuit ·····27.9 MPa (285 kgf/cm^2)
Travel circuit ·····34.3 MPa (350 kgf/cm^2)

Control valve

With boom/arm holding valve
One 4-spool valve for right track travel, bucket, boom and arm acceleration
One 5-spool valve for left track travel, auxiliary, swing, boom acceleration and arm

Oil filteration

Return filter ····· 6 microns
Pilot filter ····· 8 microns
Suction filter ····· 105 microns

Hydraulic cylinders

Cylinder	Q'ty	Bore x Rod Diameter x Stroke
Boom	2	105 mm x 70 mm x 961 mm
Arm	1	115 mm x 80 mm x 1108 mm
Bucket	1	95 mm x 65 mm x 881 mm

Double-acting, bolt-up type cylinder tube-end; hardened steel bushings Installed in cylinder tube and rods ends.

Cabin & controls

The cabin is mounted on four fluid mountings. Features include safety glass front, rear and side windows, adjustable upholstered suspension seat with headrest and armrest, cigarette lighter, pop-up skylight window, and intermittent wiper with washer.
Front window slides upward for storage and the lower front window is removable. Control levers are located in four positions tilting control consoles. Built-in type full-colour monitor display. Membrane switch on monitor display.

Swing

Planetary reduction powered by axial piston motor. The internal ring gear with grease cavity for pinion. Swing bearing is single-row shear type ball bearing. Dual stage relief valves for smooth swing deceleration and stops. Mechanical disc swing brake.

SH130-6	
Swing speed	0~14.1 min^{-1}
Tail swing radius	2,130 mm
Swing torque	33.0 kN·m (3,365 kgf·m)

Undercarriage

X-style carbody is integrally welded for strength and durability. Grease cylinder track adjusters with shock absorbing springs. Undercarriage with lubricated rollers and idlers.

Type of shoe: sealed link shoe

Upper rollers -
Heat treated, mounted on steel bushings
with leaded tin bronze casting, sealed for lifetime lubrication.

Lower rollers -
Heat treated, mounted on steel bushings
with leaded tin bronze casting, sealed for lifetime lubrication.

Track adjustment -
Idler axles adjusted with grease cylinder integral with each side frame; adjustment yoke mechanism fitted with heavy duty recoil spring.

Number of rollers and shoes on each side

	SH130-6	SH130LC-6
Upper rollers	1	2
Lower rollers	7	7
Track shoes	43	46

Travel system

Two-speed independent hydrostatic system with compact axial motors for Increased performance. Hydraulic motor powered output shaft coupled to a planetary reduction unit and track sprocket. All hydraulic components mounted within the width of side frame.
Travel speed can be selected by the switch panel on the monitor display.
Hydraulically released disc parking brake is built into each motor.

		SH130-6	SH130LC-6
Travel speed	High	5.6 km/h	
	Low	3.4 km/h	
Drawbar pull		116 kN (11,829 kgf)	117 kN (11,931 kgf)

Lubricant & coolant capacity

SH130-6	
Hydraulic system	157 ltr
Hydraulic oil tank	82 ltr
Fuel tank	260 ltr
Cooling system	16.2 ltr
Final drive case (per side)	2.1 ltr
Swing drive case	2.2 ltr
Engine crank case	17.0 ltr

Auxiliary hydraulic system

SH130-6			
Auxiliary piping type (option)	For Breaker	For Double (breaker & crusher) acting	For D/A + Second option line
Arm type	STD	HD	HD
Bucket linkage type	HD	HD	HD
Auxiliary hydraulic pump flow	129 ltr/min	258 ltr/min	258+54 ltr/min

Bucket

Options and specifications may differ depending on countries and regions

Model		SH130-6								
Bucket capacity (ISO/SAE/PCSA heaped)		0.24 m^3	0.30 m^3	0.45 m^3	0.45 m^3	0.50 m^3	0.50 m^3	0.55 m^3	0.55 m^3	0.65 m^3
Bucket type		STD	STD	STD	STD Horizontal-pin	STD	STD Horizontal-pin	STD	STD Horizontal-pin	STD
Number of teeth		4	4	4	4	5	5	5	5	5
Width unit: mm	With side cutter	582	692	907	907	972	972	1 057	1 057	1 192
	Without side cutter	508	618	833	833	898	898	983	983	1 118
Weight unit: kg		285	322	368	352	395	375	411	394	445
Combination	2.11 m arm	◎	◎	◎	◎	◎	◎	●	●	○
	2.50 m arm	◎	◎	◎	◎	●	●	○	○	×
	3.01 m arm	◎	◎	○	○	×	×	×	×	×

◎ Suitable for materials with density up to 2,000 kg/m^3 or less
○ Suitable for materials with density up to 1,600 kg/m^3 or less
● Suitable for materials with density up to 1,800 kg/m^3 or less
× Not available

Weight & Ground Pressure

Model	SH130-6			
Shoe type	Shoe width	Overall width	Operating weight	Ground pressure
Triple grouser shoe	500 mm	2 490 mm	12 400 kg	40 kPa
	600 mm	2 590 mm	12 600 kg	34 kPa
	700 mm	2 690 mm	12 900 kg	30 kPa

Model	SH130LC-6			
Shoe type	Shoe width	Overall width	Operating weight	Ground pressure
Triple grouser shoe	500 mm	2 490 mm	12 700 kg	38 kPa
	600 mm	2 590 mm	12 900 kg	32 kPa
	700 mm	2 690 mm	13 200 kg	28 kPa

Model	SH130-6 Blade			
Shoe type	Shoe width	Overall width	Operating weight	Ground pressure
Triple grouser shoe	500 mm	2 490 mm	13 300 kg	43 kPa
	600 mm	2 590 mm	13 500 kg	36 kPa
	700 mm	2 690 mm	13 900 kg	32 kPa

Digging Force

Model		SH130-6		
Arm length		2.11 m (w/ power boost)	2.50 m (w/ power boost)	3.01 m (w/ power boost)
Bucket digging force 〈with auto power up〉	ISO 6015	90 kN 〈95 kN〉	90 kN 〈95 kN〉	90 kN 〈95 kN〉
	SAE: PCSA	80 kN 〈85 kN〉	80 kN 〈85 kN〉	80 kN 〈85 kN〉
Arm digging force 〈with auto power up〉	ISO 6015	70 kN 〈74 kN〉	62 kN 〈66 kN〉	56 kN 〈60 kN〉
	SAE: PCSA	68 kN 〈72 kN〉	60 kN 〈64 kN〉	55 kN 〈58 kN〉

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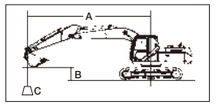
Lifting Capacity

Notes: 1. Ratings are based on ISO 10567
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.
5. 0 m = Ground.



A: Radius of load
B: Bucket hook height
C: Lifting capacity

Load Radius Over Front
Load Radius Over Side
Unit: kg

SH130-6

UNDERCARRIAGE : STD SHOE : 500 (mm)G ARM LENGTH = 2.50 (m) BLADE : –
BOOM : 4.63 (m) BUCKET : SAE/PCSA 0.50 (m^3) MAXIMUM REACH = 8.31 (m)

Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
7 m	1 340*	5.82	1 340*	5.82							2 380*	2 380*							2 040*	4.39	2 040*	4.39
6 m	1 220*	6.70	1 220*	6.70					2 390*	2 110	2 690*	2 690*							2 650*	4.55	2 650*	4.55
5 m	1 160*	7.30	1 160*	7.30			1 970*	1 550	2 650*	2 090	2 810*	2 800							2 730*	4.42	2 730*	4.42
4 m	1 150*	7.70	1 150*	7.70			2 130	1 530	2 810	2 040	3 090*	2 810	3 200*	3 200*					2 970*	3.62	2 970*	3.62
3 m	1 160*	7.94	1 150	7.94			2 090	1 490	2 740	1 970	3 680	2 690	4 320*	3 880	5 260*	5 260*	6 220*	6 220*	5 060*	1.53	5 060*	1.53
2 m	1 190*	8.03	1 100	8.03	1 330*	1 110	2 040	1 440	2 650	1 890	3 590	2 560	5 170	3 670	6 900*	5 840			4 850*	2.11	4 850*	2.11
1 m	1 250*	7.98	1 100	7.98			1 990	1 400	2 570	1 820	3 460	2 440	4 990	3 450	8 200*	5 410			2 790*	2.11	2 790*	2.11
0 m	1 360*	7.80	1 130	7.80			1 960	1 360	2 510	1 760	3 350	2 340	4 820	3 300	7 920	5 170	3 560*	3 560*	2 430*	1.48	2 430*	1.48
-1 m	1 520*	7.48	1 210	7.48			1 940	1 340	2 470	1 720	3 290	2 280	4 730	3 220	7 850	5 130	4 980*	4 980*	3 860*	3 860*	2 700*	0.34	2 700*	0.34
-2 m	1 770*	6.99	1 360	6.99					2 470	1 720	3 280	2 280	4 730	3 230	7 990	5 160	6 440*	6 440*	5 300*	5 300*	4 020*	0.23	4 020*	0.23
-3 m	2 190*	6.31	1 620	6.31					2 520	1 780	3 330*	2 320	4 780	3 280	8 050	5 240	9 000*	9 000*	6 590*	6 590*	5 620*	0.44	5 620*	0.44
-4 m	3 030	5.36	2 130	5.36							3 420*	2 430	4 870	3 390	7 410*	5 390	10 500*	10 500*			8 480*	1.09	8 480*	1.09

SH130-6

UNDERCARRIAGE : STD SHOE : 500 (mm)G ARM LENGTH = 3.01 (m) BLADE : –
BOOM : 4.63 (m) BUCKET : SAE/PCSA 0.45 (m^3) MAXIMUM REACH = 8.77 (m)

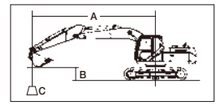
Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		0 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
8 m	1 460*	5.32	1 460*	5.32							1 700*	1 700*									1 580*	4.84	1 580*	4.84
7 m	1 280*	6.47	1 280*	6.47					1 950*	1 950*	2 200*	2 200*									2 220*	4.90	2 220*	4.90
6 m	1 180*	7.26	1 180*	7.26			1 690*	1 590	2 230*	2 160											2 300*	5.05	2 300*	5.05
5 m	1 140*	7.81	1 140*	7.81			2 190	1 590	2 540*	2 140	2 370*	2 370*									2 350*	4.94	2 350*	4.94
4 m	1 120*	8.18	1 110	8.18	1 590*	1 180	2 170	1 560	2 690*	2 090	2 670*	2 670*									2 640*	4.48	2 640*	4.48
3 m	1 130*	8.40	1 030	8.40	1 650	1 160	2 120	1 510	2 780	2 010	3 310*	2 760	3 460*	3 460*							2 990*	3.18	2 990*	3.18
2 m	1 170*	8.49	990	8.49	1 620	1 130	2 060	1 460	2 690	1 920	3 650	2 610	4 800*	3 770	5 760*	5 760*					4 020*	2.06	4 020*	2.06
1 m	1 230*	8.45	980	8.45	1 590	1 090	2 000	1 400	2 590	1 830	3 500	2 470	5 070	3 520	7 570*	5 560					3 690*	2.05	3 690*	2.05
0 m	1 330*	8.28	1 000	8.28	1 560	1 070	1 950	1 360	2 510	1 760	3 370	2 350	4 850	3 320	8 070	5 210	3 750*	3 750*			2 440*	1.40	2 440*	1.40
-1 m	1 470*	7.97	1 070	7.97			1 920	1 330	2 450	1 710	3 280	2 270	4 710	3 200	7 840	5 070	4 740*	4 740*	3 380*	3 380*	3 030*	3 030*	3 030*	0	3 030*	0
-2 m	1 690*	7.52	1 180	7.52			1 910	1 320	2 430	1 680	3 250	2 240	4 680	3 180	7 900	5 080	5 950*	5 950*	4 740*	4 740*	4 330*	4 330*	4 330*	0	4 330*	0
-3 m	1 980	6.89	1 370	6.89					2 460	1 710	3 270	2 260	4 710	3 210	7 950	5 140	7 680*	7 680*	5 940*	5 940*	5 030*	5 030*	5 030*	0	5 030*	0
-4 m	2 470	6.03	1 720	6.03					2 510	1 750	3 350	2 340	4 790	3 290	7 950	5 250	10 670*	10 670*	7 660*	7 660*			6 380*	0.43	6 380*	0.43
-5 m	3 420*	4.86	2 470	4.86									4 780*	3 400	6 480*	5 400	9 240*	9 240*			11 370*	1.55	11 370*	1.55

SH130-6

UNDERCARRIAGE : LC SHOE : 500 (mm)G ARM LENGTH = 2.50 (m) BLADE : –
BOOM : 4.63 (m) BUCKET : SAE/PCSA 0.50 (m^3) MAXIMUM REACH = 8.31 (m)

Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
7 m	1 340*	5.82	1 340*	5.82							2 380*	2 380*							2 040*	4.39	2 040*	4.39
6 m	1 220*	6.70	1 220*	6.70					2 390*	2 150	2 690*	2 690*							2 650*	4.55	2 650*	4.55
5 m	1 160*	7.30	1 160*	7.30			1 970*	1 580	2 650*	2 140	2 810*	2 810*							2 730*	4.42	2 730*	4.42
4 m	1 150*	7.70	1 150*	7.70			2 460	1 570	3 040*	2 090	3 090*	2 860*	3 200*	3 200*					2 970*	3.62	2 970*	3.62
3 m	1 160*	7.94	1 160*	7.94			2 420	1 530	3 150	2 020	3 700*	2 750	4 320*	3 950	5 260*	5 260*	6 220*	6 220*			5 060*	1.53	5 060*	1.53
2 m	1 190*	8.03	1 140	8.03	1 330*	1 150	2 370	1 480	3 070	1 940	4 140*	2 620	5 340*	3 750	6 900*	5 960					4 850*	2.11	4 850*	2.11
1 m	1 250*	7.98	1 130	7.98			2 320	1 440	2 990	1 870	4 030	2 500	5 860	3 530	8 200*	5 530					2 790*	2.11	2 790*	2.11
0 m	1 360*	7.80	1 170	7.80			2 280	1 400	2 920	1 800	3 920	2 400	5 690	3 380	7 980*	5 290	3 560*	3 560*			2 430*	1.48	2 430*	1.48
-1 m	1 520*	7.48	1 250	7.48			2 260	1 380	2 880	1 770	3 850	2 340	5 590	3 300	8 550*	5 250	4 980*	4 980*	3 860*	3 860*	2 700*	0.34	2 700*	0.34
-2 m	1 770*	6.99	1 400	6.99					2 880	1 770	3 840	2 340	5 590	3 300	9 180*	5 280	6 440*	6 440*	5 300*	5 300*	4 020*	0.23	4 020*	0.23
-3 m	2 190*	6.31	1 660	6.31					2 930	1 830	3 880	2 380	5 640	3 350	8 570*	5 360	9 000*	9 000*	6 590*	6 590*	5 620*	0.44	5 620*	0.44
-4 m	3 100*	5.36	2 180	5.36							3 930	2 490	5 570*	3 470	7 410*	5 500	10 500*	10 500*			8 480*	1.09	8 480*	1.09

Notes: 1. Ratings are based on ISO 10567
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.
5. 0 m = Ground.



A: Radius of load
B: Bucket hook height
C: Lifting capacity

Load Radius Over Front
Load Radius Over Side
Unit: kg

SH130-6

UNDERCARRIAGE : LC SHOE : 500 (mm)G ARM LENGTH = 3.01 (m) BLADE : –
BOOM : 4.63 (m) BUCKET : SAE/PCSA 0.45 (m^3) MAXIMUM REACH = 8.77 (m)

Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		0 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
8 m	1 460*	5.32	1 460*	5.32							1 700*	1 700*									1 580*	4.84	1 580*	4.84
7 m	1 280*	6.47	1 280*	6.47					1 950*	1 950*	2 200*	2 200*									2 220*	4.90	2 220*	4.90
6 m	1 180*	7.26	1 180*	7.26			1 690*	1 690*	2 230*	2 230*											2 300*	5.05	2 300*	5.05
5 m	1 140*	7.81	1 140*	7.81			2 210*	1 810	2 540*	2 370	2 370*	2 370*									2 350*	4.94	2 350*	4.94
4 m	1 120*	8.18	1 120*	8.18	1 590*	1 360	2 520*	1 780	2 690*	2 360	2 670*	2 670*									2 640*	4.48	2 640*	4.48
3 m	1 130*	8.40	1 130*	8.40	2 040*	1 340	2 780*	1 730	2 980*	2 280	3 310*	3 080	3 460*	3 460*							2 990*	3.18	2 990*	3.18
2 m	1 170*	8.49	1 160	8.49	2 300*	1 310	3 060*	1 680	3 440*	2 190	3 950*	2 960	4 800*	4 240	5 760*	5 760*					4 020*	2.06	4 020*	2.06
1 m	1 230*	8.45	1 150	8.45	2 420*	1 280	3 320*	1 620	3 800*	2 100	4 530*	2 820	5 760*	4 000	7 570*	6 340					3 690*	2.05	3 690*	2.05
0 m	1 330*	8.28	1 180	8.28	2 240*	1 250	3 500*	1 580	4 090*	2 030	4 970*	2 700	6 420*	3 800	8 580*	5 990	3 750*	3 750*			2 440*	1.40	2 440*	1.40
-1 m	1 470*	7.97	1 250	7.97			3 560*	1 540	4 250*	1 970	5 230*	2 610	6 750*	3 680	8 670*	5 840	4 740*	4 740*	3 380*	3 380*	3 030*	3 030*	3 030*	0	3 030*	0
-2 m	1 690*	7.52	1 380	7.52			3 510*	1 540	4 250*	1 950	5 250*	2 580	6 760*	3 650	9 250*	5 840	5 950*	5 950*	4 740*	4 740*	4 330*	4 330*	4 330*	0	4 330*	0
-3 m	2 040*	6.89	1 600	6.89					4 090*	1 980	5 130*	2 600	6 580*	3 680	8 900*	5 900	7 680*	7 680*	5 940*	5 940*	5 030*	5 030*	5 030*	0	5 030*	0
-4 m	2 690*	6.03	1 990	6.03					2 930*	2 020	4 640*	2 680	6 020*	3 760	8 050*	6 020	10 670*	10 670*	7 660*	7 660*			6 380*	0.43	6 380*	0.43
-5 m	3 420*	4.86	2 820	4.86									4 780*	3 870	6 480*	6 080	9 240*	9 240*			11 370*	1.55	11 370*	1.55

SH130-6

UNDERCARRIAGE :STD SHOE : 500 (mm)G ARM LENGTH = 2.50 (m) BLADE : Down
BOOM : 4.63 (m) BUCKET : SAE/PCSA 0.50 (m^3) MAXIMUM REACH = 8.31 (m)

Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
7 m	1 340*	5.82	1 340*	5.82							2 380*	2 380*							2 040*	4.39	2 040*	4.39
6 m	1 220*	6.70	1 220*	6.70					2 390*	2 370	2 690*	2 690*							2 650*	4.55	2 650*	4.55
5 m	1 160*	7.30	1 160*	7.30			1 970*	1 760	2 650*	2 360	2 810*	2 810*							2 730*	4.42	2 730*	4.42
4 m	1 150*	7.70	1 150*	7.70			2 610*	1 750	3 040*	2 310	3 090*	3 080*	3 200*	3 200*					2 970*	3.62	2 970*	3.62
3 m	1 160*	7.94	1 160*	7.94			3 030*	1 710	3 290*	2 240	3 700*	3 030	4 320*	4 290	5 260*	5 260*	6 220*	6 220*			5 060*	1.53	5 060*	1.53
2 m	1 190*	8.03	1 190*	8.03	1 330*	1 300	3 270*	1 660	3 690*	2 160	4 290*	2 900	5 340*	4 150	6 900*	6 610					4 850*	2.11	4 850*	2.11
1 m	1 250*	7.98	1 250*	7.98			3 470*	1 620	4 010*	2 080	4 810*	2 780	6 180*	3 930	8 200*	6 190					2 790*	2.11	2 790*	2.11
0 m	1 360*	7.80	1 320	7.80			3 590*	1 580	4 230*	2 020	5 170*	2 680	6 690*	3 770	7 980*	5 940	3 560*	3 560*			2 430*	1.48	2 430*	1.48
-1 m	1 520*	7.48	1 410	7.48			3 580*	1 560	4 300*	1 980	5 310*	2 620	6 830*	3 690	8 550*	5 890	4 980*	4 980*	3 860*	3 860*	2 700*	0.34	2 700*	0.34
-2 m	1 770*	6.99	1 580	6.99					4 240*	1 990	5 270*	2 620	6 760*	3 700	9 180*	5 930	6 440*	6 440*	5 300*	5 300*	4 020*	0.23	4 020*	0.23
-3 m	2 190*	6.31	1 870	6.31					3 860*	2 040	4 990*	2 660	6 410*	3 750	8 570*	6 010	9 000*	9 000*	6 590*	6 590*	5 620*	0.44	5 620*	0.44
-4 m	3 100*	5.36	2 440	5.36							4 150*	2 770	5 570*	3 860	7 410*	6 150	10 500*	10 500*			8 480*	1.09	8 480*	1.09

SH130-6

UNDERCARRIAGE : STD SHOE : 500 (mm)G ARM LENGTH = 3.01 (m) BLADE : Down
BOOM : 4.63 (m) BUCKET : SAE/PCSA 0.45 (m^3) MAXIMUM REACH = 8.77 (m)

Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		0 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
8 m	1 460*	5.32	1 460*	5.32							1 700*	1 700*									1 580*	4.84	1 580*	4.84
7 m	1 280*	6.47	1 280*	6.47					1 950*	1 950*	2 200*	2 200*									2 220*	4.90	2 220*	4.90
6 m	1 180*	7.26	1 180*	7.26			1 690*	1 690*	2 230*	2 230*											2 300*	5.05	2 300*	5.05
5 m	1 140*	7.81	1 140*	7.81			2 210*	1 810	2 540*	2 370	2 370*	2 370*									2 350*	4.94	2 350*	4.94
4 m	1 120*	8.18	1 120*	8.18	1 590*	1 360	2 520*	1 780	2 690*	2 360	2 670*	2 670*									2 640*	4.48	2 640*	4.48
3 m	1 130*	8.40	1 130*	8.40	2 040*	1 340	2 780*	1 730	2 980*	2 280	3 310*	3 080	3 460*	3 460*							2 990*	3.18	2 990*	3.18
2 m	1 170*	8.49	1 160	8.49	2 300*	1 310	3 060*	1 680	3 440*	2 190	3 950*	2 960	4 800*	4 240	5 760*	5 760*					4 020*	2.06	4 020*	2.06
1 m	1 230*	8.45	1 150	8.45	2 420*	1 280	3 320*	1 620	3 800*	2 100	4 530*	2 820	5 760*	4 000	7 570*	6 340					3 690*	2.05	3 690*	2.05
0 m	1 330*	8.28	1 180	8.28	2 240*	1 250	3 500*	1 580	4 090*	2 030	4 970*	2 700	6 420*	3 800	8 580*	5 990	3 750*	3 750*			2 440*	1.40	2 440*	1.40
-1 m	1 470*	7.97	1 250	7.97			3 560*	1 540	4 250*	1 970	5 230*	2 610	6 750*	3 680	8 670*	5 840	4 740*	4 740*	3 380*	3 380*	3 030*	3 030*	3 030*	0	3 030*	0
-2 m	1 690*	7.52	1 380	7.52			3 510*	1 540	4 250*	1 950	5 250*	2 580	6 760*	3 650	9 250*	5 840	5 950*	5 950*	4 740*	4 740*	4 330*	4 330*	4 330*	0	4 330*	0
-3 m	2 040*	6.89	1 600	6.89					4 090*	1 980	5 130*	2 600	6 580*	3 680	8 900*	5 900	7 680*	7 680*	5 940*	5 940*	5 030*	5 030*	5 030*	0	5 030*	0
-4 m	2 690*	6.03	1 990	6.03					2 930*	2 020	4 640*	2 680	6 020*	3 760	8 050*	6 020	10 670*	10 670*	7 660*	7 660*			6 380*	0.43	6 380*	0.43
-5 m	3 420*	4.86	2 820	4.86									4 780*	3 870	6 480*	6 080	9 240*	9 240*			11 370*	1.55	11 370*	1.55

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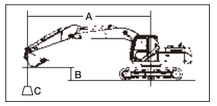
Lifting Capacity

Notes: 1. Ratings are based on ISO 10567
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.
5. 0 m = Ground.



A: Radius of load
B: Bucket hook height
C: Lifting capacity

Load Radius Over Front
Load Radius Over Side
Unit: kg

SH130-6

UNDERCARRIAGE : STD
BOOM : 4.63 (m)
SHOE : 600 (mm)G
BUCKET : SAE/PCSA 0.50 (m^3)
ARM LENGTH = 2.50 (m)
MAXIMUM REACH = 8.31 (m)
BLADE : –

Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
7 m	1 340*	5.82	1 340*	5.82							2 380*	2 380*							2 040*	4.39	2 040*	4.39
6 m	1 220*	6.70	1 220*	6.70					2 390*	2 130	2 690*	2 690*							2 650*	4.55	2 650*	4.55
5 m	1 160*	7.30	1 160*	7.30			1 970*	1 570	2 650*	2 120	2 810*	2 810*							2 730*	4.42	2 730*	4.42
4 m	1 150*	7.70	1 150*	7.70			2 160	1 550	2 840	2 070	3 090*	2 840	3 200*	3 200*					2 970*	3.62	2 970*	3.62
3 m	1 160*	7.94	1 160*	7.94			2 120	1 510	2 780	2 000	3 700*	2 730	4 320*	3 920	5 260*	5 260*	6 220*	6 220*	5 060*	1.53	5 060*	1.53
2 m	1 190*	8.03	1 130	8.03	1 330*	1 140	2 080	1 470	2 690	1 920	3 640	2 600	5 230	3 720	6 900*	5 920			4 850*	2.11	4 850*	2.11
1 m	1 250*	7.98	1 120	7.98			2 030	1 420	2 610	1 850	3 510	2 480	5 070	3 500	8 200*	5 480			2 790*	2.11	2 790*	2.11
0 m	1 360*	7.80	1 150	7.80			1 990	1 390	2 550	1 790	3 410	2 380	4 890	3 350	7 980*	5 240	3 560*	3 560*	2 430*	1.48	2 430*	1.48
-1 m	1 520*	7.48	1 230	7.48			1 970	1 370	2 510	1 750	3 340	2 320	4 800	3 270	7 960	5 200	4 980*	4 980*	3 860*	3 860*	2 700*	0.34	2 700*	0.34
-2 m	1 770*	6.99	1 380	6.99					2 510	1 750	3 340	2 320	4 800	3 270	8 110	5 240	6 440*	6 440*	5 300*	5 300*	4 020*	0.23	4 020*	0.23
-3 m	2 190*	6.31	1 650	6.31					2 570	1 810	3 380	2 360	4 850	3 330	8 160	5 320	9 000*	9 000*	6 590*	6 590*	5 620*	0.44	5 620*	0.44
-4 m	3 070	5.36	2 160	5.36							3 460	2 470	4 930	3 440	7 410*	5 460	10 500*	10 500*			8 480*	1.09	8 480*	1.09

SH130-6

UNDERCARRIAGE : STD
BOOM : 4.63 (m)
SHOE : 600 (mm)G
BUCKET : SAE/PCSA 0.45 (m^3)
ARM LENGTH = 3.01 (m)
MAXIMUM REACH = 8.77 (m)
BLADE : –

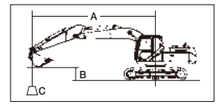
Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		0 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
8 m	1 460*	5.32	1 460*	5.32							1 700*	1 700*									1 580*	4.84	1 580*	4.84
7 m	1 280*	6.47	1 280*	6.47					1 950*	1 950*	2 200*	2 200*									2 220*	4.90	2 220*	4.90
6 m	1 180*	7.26	1 180*	7.26			1 690*	1 610	2 230*	2 190											2 300*	5.05	2 300*	5.05
5 m	1 140*	7.81	1 140*	7.81			2 210*	1 610	2 540*	2 170	2 370*	2 370*									2 350*	4.94	2 350*	4.94
4 m	1 120*	8.18	1 120*	8.18	1 590*	1 200	2 200	1 590	2 690*	2 120	2 670*	2 670*									2 640*	4.48	2 640*	4.48
3 m	1 130*	8.40	1 050	8.40	1 680	1 180	2 150	1 540	2 820*	2 040	3 310*	2 790	3 460*	3 460*							2 990*	3.18	2 990*	3.18
2 m	1 170*	8.49	1 010	8.49	1 650	1 150	2 100	1 480	2 730	1 950	3 690	2 650	4 800*	3 810	5 760*	5 760*					4 020*	2.06	4 020*	2.06
1 m	1 230*	8.45	1 000	8.45	1 610	1 120	2 040	1 430	2 630	1 860	3 550	2 510	5 150	3 570	7 570*	5 630					3 690*	2.05	3 690*	2.05
0 m	1 330*	8.28	1 020	8.28	1 590	1 090	1 990	1 380	2 550	1 790	3 420	2 390	4 920	3 370	8 180	5 290	3 750*	3 750*			2 440*	1.40	2 440*	1.40
-1 m	1 470*	7.97	1 090	7.97			1 950	1 350	2 500	1 740	3 330	2 310	4 790	3 250	7 950	5 150	4 740*	4 740*	3 380*	3 380*	3 030*	3 030*	3 030*	0	3 030*	0
-2 m	1 690*	7.52	1 200	7.52			1 950	1 340	2 470	1 710	3 300	2 280	4 750	3 230	8 010	5 150	5 950*	5 950*	4 740*	4 740*	4 330*	4 330*	4 330*	0	4 330*	0
-3 m	2 020	6.89	1 400	6.89					2 500	1 740	3 320	2 300	4 780	3 260	8 070	5 210	7 680*	7 680*	5 940*	5 940*	5 030*	5 030*	5 030*	0	5 030*	0
-4 m	2 510	6.03	1 750	6.03					2 550	1 780	3 400	2 380	4 870	3 340	8 030*	5 330	10 670*	10 670*	7 660*	7 660*			6 380*	0.43	6 380*	0.43
-5 m	3 420*	4.86	2 510	4.86									4 780*	3 450	6 480*	5 460	9 240*	9 240*			11 370*	1.55	11 370*	1.55

SH130-6

UNDERCARRIAGE : LC
BOOM : 4.63 (m)
SHOE : 600 (mm)G
BUCKET : SAE/PCSA 0.50 (m^3)
ARM LENGTH = 2.50 (m)
MAXIMUM REACH = 8.31 (m)
BLADE : –

Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
7 m	1 360*	5.82	1 360*	5.82							2 400*	2 400*							2 200*	4.39	2 200*	4.39
6 m	1 240*	6.70	1 240*	6.70					2 400*	2 200	2 720*	2 720*							2 670*	4.55	2 670*	4.55
5 m	1 180*	7.30	1 180*	7.30			1 990*	1 620	2 680*	2 180	2 820*	2 820*							2 750*	4.42	2 750*	4.42
4 m	1 170*	7.70	1 170*	7.70			2 510	1 610	3 050*	2 140	3 100*	2 920	3 200*	3 200*					3 000*	3.62	3 000*	3.62
3 m	1 180*	7.94	1 180*	7.94			2 470	1 570	3 210	2 070	3 720*	2 810	4 350*	4 020	5 300*	5 300*	6 350*	6 350*	5 200*	1.53	5 200*	1.53
2 m	1 220*	8.03	1 170	8.03	1 350*	1 180	2 420	1 520	3 140	1 990	4 220	2 680	5 380*	3 820	6 920*	6 060			4 910*	2.11	4 910*	2.11
1 m	1 280*	7.98	1 160	7.98			2 370	1 480	3 050	1 910	4 110	2 550	5 950*	3 600	8 210*	5 610			2 830*	2.11	2 830*	2.11
0 m	1 390*	7.80	1 200	7.80			2 340	1 440	2 990	1 850	4 000	2 460	5 790	3 440	8 030*	5 380	3 600*	3 600*			2 460*	1.48	2 460*	1.48
-1 m	1 550*	7.48	1 280	7.48			2 310	1 420	2 950	1 820	3 930	2 400	5 710	3 380	8 610*	5 370	5 050*	5 050*	3 890*	3 890*	2 730*	0.34	2 730*	0.34
-2 m	1 810*	6.99	1 440	6.99					2 940	1 810	3 930	2 400	5 710	3 390	9 180*	5 400	6 500*	6 500*	5 390*	5 390*	4 060*	0.23	4 060*	0.23
-3 m	2 240*	6.31	1 710	6.31					2 990	1 870	3 970	2 440	5 760	3 440	8 560*	5 480	8 970*	8 970*	6 640*	6 640*	5 650*	0.44	5 650*	0.44
-4 m	3 160*	5.36	2 240	5.36							4 000	2 550	5 570*	3 550	7 410*	5 630	10 480*	10 480*			8 510*	1.09	8 510*	1.09

Notes: 1. Ratings are based on ISO 10567
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.
5. 0 m = Ground.



A: Radius of load
B: Bucket hook height
C: Lifting capacity

Load Radius Over Front
Load Radius Over Side
Unit: kg

SH130-6

UNDERCARRIAGE : LC
BOOM : 4.63 (m)
SHOE : 600 (mm)G
BUCKET : SAE/PCSA 0.45 (m^3)
ARM LENGTH = 3.01 (m)
MAXIMUM REACH = 8.77 (m)
BLADE : –

Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		0 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
8 m	1 460*	5.32	1 460*	5.32							1 700*	1 700*									1 580*	4.84	1 580*	4.84
7 m	1 280*	6.47	1 280*	6.47					1 950*	1 950*	2 200*	2 200*									2 220*	4.90	2 220*	4.90
6 m	1 180*	7.26	1 180*	7.26			1 690*	1 650	2 230*	2 230*											2 300*	5.05	2 300*	5.05
5 m	1 140*	7.81	1 140*	7.81			2 210*	1 650	2 540*	2 220	2 370*	2 370*									2 350*	4.94	2 350*	4.94
4 m	1 120*	8.18	1 120*	8.18	1 590*	1 230	2 520*	1 630	2 690*	2 170	2 670*	2 670*									2 640*	4.48	2 640*	4.48
3 m	1 130*	8.40	1 080	8.40	1 950	1 210	2 490	1 580	2 980*	2 090	3 310*	2 850	3 460*	3 460*							2 990*	3.18	2 990*	3.18
2 m	1 170*	8.49	1 040	8.49	1 920	1 180	2 430	1 520	3 150	2 000	3 950*	2 710	4 800*	3 900	5 760*	5 760*					4 020*	2.06	4 020*	2.06
1 m	1 230*	8.45	1 030	8.45	1 890	1 150	2 370	1 470	3 060	1 910	4 130	2 570	5 760*	3 650	7 570*	5 750					3 690*	2.05	3 690*	2.05
0 m	1 330*	8.28	1 060	8.28	1 860	1 120	2 320	1 420	2 970	1 840	4 000	2 450	5 810	3 450	8 580*	5 410	3 750*	3 750*			2 440*	1.40	2 440*	1.40
-1 m	1 470*	7.97	1 120	7.97			2 280	1 390	2 920	1 780	3 900	2 370	5 670	3 330	8 670*	5 270	4 740*	4 740*	3 380*	3 380*	3 030*	3 030*	3 030*	0	3 030*	0
-2 m	1 690*	7.52	1 240	7.52			2 280	1 380	2 890	1 760	3 870	2 340	5 630	3 310	9 250*	5 270	5 950*	5 950*	4 740*	4 740*	4 330*	4 330*	4 330*	0	4 330*	0
-3 m	2 040*	6.89	1 440	6.89					2 920	1 790	3 890	2 360	5 650	3 340	8 900*	5 330	7 680*	7 680*	5 940*	5 940*	5 030*	5 030*	5 030*	0	5 030*	0
-4 m	2 690*	6.03	1 800	6.03					2 930*	1 830	3 970	2 440	5 700	3 420	8 050*	5 450	10 670*	10 670*	7 660*	7 660*			6 380*	0.43	6 380*	0.43
-5 m	3 420*	4.86	2 570	4.86									4 780*	3 530	6 480*	5 570	9 240*	9 240*			11 370*	1.55	11 370*	1.55

SH130-6

UNDERCARRIAGE : STD
BOOM : 4.63 (m)
SHOE : 600 (mm)G
BUCKET : SAE/PCSA 0.50 (m^3)
ARM LENGTH = 2.50 (m)
MAXIMUM REACH = 8.31 (m)
BLADE : Down

Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
7 m	1 340*	5.82	1 340*	5.82							2 380*	2 380*							2 040*	4.39	2 040*	4.39
6 m	1 220*	6.70	1 220*	6.70					2 390*	2 390*	2 690*	2 690*							2 650*	4.55	2 650*	4.55
5 m	1 160*	7.30	1 160*	7.30			1 970*	1 820	2 650*	2 420	2 810*	2 810*							2 730*	4.42	2 730*	4.42
4 m	1 150*	7.70	1 150*	7.70			2 610*	1 800	3 040*	2 370	3 090*	3 090*	3 200*	3 200*					2 970*	3.62	2 970*	3.62
3 m	1 160*	7.94	1 160*	7.94			3 030*	1 760	3 290*	2 300	3 700*	3 120	4 320*	4 320*	5 260*	5 260*	6 220*	6 220*	5 060*	1.53	5 060*	1.53
2 m	1 190*	8.03	1 190*	8.03	1 330*	1 330*	3 270*	1 710	3 690*	2 220	4 290*	2 990	5 340*	4 270	6 900*	6 780			4 850*	2.11	4 850*	2.11
1 m	1 250*	7.98	1 250*	7.98			3 470*	1 670	4 010*	2 150	4 810*	2 870	6 180*	4 050	8 200*	6 380			2 790*	2.11	2 790*	2.11
0 m	1 360*	7.80	1 360*	7.80			3 590*	1 630	4 230*	2 090	5 170*	2 770	6 690*	3 890	7 980*	6 130	3 560*	3 560*	2 430*	1.48	2 430*	1.48
-1 m	1 520*	7.48	1 460	7.48			3 580*	1 610	4 300*	2 050	5 310*	2 700	6 830*	3 810	8 550*	6 090	4 980*	4 980*	3 860*	3 860*	2 700*	0.34	2 700*	0.34
-2 m	1 770*	6.99	1 630	6.99					4 240*	2 050	5 270*	2 700	6 760*	3 810	9 180*	6 120	6 440*	6 440*	5 300*	5 300*	4 020*	0.23	4 020*	0.23
-3 m	2 190*	6.31	1 930	6.31					3 860*	2 110	4 990*	2 740	6 410*	3 860	8 570*	6 200	9 000*	9 000*	6 590*	6 590*	5 620*	0.44	5 620*	0.44
-4 m	3 100*	5.36	2 510	5.36							4 150*	2 860	5 570*	3 970	7 410*	6 330	10 500*	10 500*			8 480*	1.09	8 480*	1.09

SH130-6

UNDERCARRIAGE : STD
BOOM : 4.63 (m)
SHOE : 600 (mm)G
BUCKET : SAE/PCSA 0.45 (m^3)
ARM LENGTH = 3.01 (m)
MAXIMUM REACH = 8.77 (m)
BLADE : Down

Bucket Hook Height	Radius of Load: Max. Radius		8 m		7 m		6 m		5 m		4 m		3 m		2 m		1 m		0 m		Min. Radius	
	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)	(kg)	(m)
8 m	1 460*	5.32	1 460*	5.32							1 700*	1 700*									1 580*	4.84	1 580*	4.84
7 m	1 280*	6.47	1 280*	6.47					1 950*	1 950*	2 200*	2 200*									2 220*	4.90	2 220*	4.90
6 m	1 180*	7.26	1 180*	7.26			1 690*	1 690*	2 230*	2 230*											2 300*	5.05	2 300*	5.05
5 m	1 140*	7.81	1 140*	7.81			2 210*	1 860	2 540*	2 420	2 370*	2 370*									2 350*	4.94	2 350*	4.94
4 m	1 120*	8.18	1 120*	8.18	1 590*	1 410	2 520*	1 830	2 690*	2 420	2 670*	2 670*									2 640*	4.48	2 640*	4.48
3 m	1 130*	8.40	1 130*	8.40	2 040*	1 380	2 780*	1 790	2 980*	2 340	3 310*	3 150*	3 460*	3 460*							2 990*	3.18	2 990*	3.18
2 m	1 170*	8.49	1 170*	8.49	2 300*	1 350	3 060*	1 730	3 440*	2 260	3 950*	3 040	4 800*	4 350	5 760*	5 760*					4 020*	2.06	4 020*	2.06
1 m	1 230*	8.45	1 190	8.45	2 420*	1 320	3 320*	1 680	3 800*	2 170	4 530*	2 900	5 760*	4 120	7 570*	6 540					3 690*	2.05	3 690*	2.05
0 m	1 330*	8.28	1 220	8.28	2 240*	1 300	3 500*	1 630	4 090*	2 090	4 970*	2 780	6 420*	3 920	8 580*	6 180	3 750*	3 750*			2 440*	1.40	2 440*	1.40
-1 m	1 470*	7.97	1 290	7.97			3 560*	1 600	4 250*	2 040	5 230*	2 690	6 750*	3 790	8 670*	6 030	4 740*	4 740*	3 380*	3 380*	3 030*	3 030*	3 030*	0	3 030*	0
-2 m	1 690*	7.52	1 430	7.52			3 510*	1 590	4 250*	2 010	5 250*	2 660	6 760*	3 760	9 250*	6 030	5 950*	5 950*	4 740*	4 740*	4 330*	4 330*	4 330*	0	4 330*	0
-3 m	2 040*	6.89	1 650	6.89					4 090*	2 040	5 130*	2 690	6 580*	3 790	8 900*	6 090	7 680*	7 680*	5 940*	5 940*	5 030*	5 030*	5 030*	0	5 030*	0
-4 m	2 690*	6.03	2 050	6.03					2 930*	2 080	4 640*	2 760	6 020*	3 880	8 050*	6 210	10 670*	10 670*	7 660*	7 660*			6 380*	0.43	6 380*	0.43
-5 m	3 420*	4.86	2 910	4.86									4 780*	3 980	6 480*	6 250	9 240*	9 240*			11 370*	1.55	11 370*	1.55

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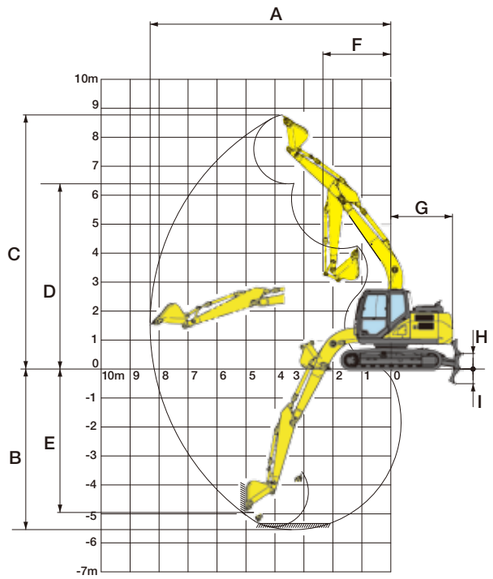
Principle Specifications

		SH130-6 STD Specifications
Base	Boom length	4.63 m
	Arm length	2.50 m
	Bucket capacity (ISO heaped)	0.50 m^3
	Std. operating weight	12,400 kg
Engine	Make & model	ISUZU GJ-4JJ1X
	Rated output	70.9 kW (96.4 PS)/2,000 min^{-1}
	Displacement	2.99 ltr
Hydraulic System	Main pump	2 variable displacement axial piston pumps with regulating system
	Max pressure	34.3 MPa
	(with auto power boost)	36.3 MPa
	Travel motor	Variable displacement axial piston motor
	Parking brake type	Mechanical disc brake
	Swing motor	Fixed displacement axial piston motor
Performance	Travel speed	5.6/3.4 km/h
	Drawbar pull	116.0 kN
	Gradeability	70% 〈35°〉
	Ground pressure	43 kPa
	Swing speed	14.1 min^{-1}
	Bucket digging force	90.0 kN
	/with power boost	95.0 kN
	Arm digging force	62.0 kN
	/with power boost	66.0 kN
Others	Fuel tank	260 ltr
	Hydraulic fluid tank	82 ltr

Working Range

		SH130(LC)-6		
Arm length		2.11 m	2.50 m	3.01 m
Boom length		4.63 m		
A	Max digging radius	7 960 mm	8 310 mm	8 770 mm
B	Max digging depth	5 150 mm	5 540 mm	6 050 mm
C	Max digging height	8 550 mm	8 770 mm	9 050 mm
D	Max dumping height	6 170 mm	6 390 mm	6 680 mm
E	Max vertical wall cut depth	4 600 mm	4 950 mm	5 350 mm
F	Min front swing radius	2 360 mm	2 340 mm	2 660 mm
G	Rear end swing radius	2 130 mm		
H	Max. lift above ground	515 mm		
I	Min. drop below ground	520 mm		



※Blade is optional

Standard Equipment

[Hydraulic system]

- SIH:S+ hydraulic system
- Operation mode (SP, H and A mode)
- Automatic 2-speed travel
- Automatic power boost
- Arm/boom/bucket reactivation circuit
- Automatic swing parking system
- High-performance return filter

[Cabin/interior equipment]

- Strengthened cabin
- Top guard OPG level1(in cab structure)
- 4-point fluid mounts
- Built-in type full-colour monitor display
- Tilting console
- Open air introducing pressurised full-automatic air conditioner
- Defroster
- Hot & cool box
- Seat suspension
- Windscreen wiper (with intermittent operation function)
- Cup holder
- AM/FM radio (with muting function and AUX port & USB port)
- Radio mute/ Windscreen wiper one-touch control on joystick
- Clock
- Magazine rack
- Accessory case
- Floor mat
- Armrest & headrest
- Ashtray & cigarette lighter
- Cab light (Auto-OFF function)
- Coat hook

[Safety equipment]

- Rearview mirror (left/right)
- Emergency escape tool
- Retracting seat belt
- Gate lock lever
- Travel alarm (with on and off switch)
- Anti-theft alarm system
- Engine room firewall
- Fan guard
- Engine emergency stop switch
- Engine neutral start

[Others]

- Auto/one-touch idling
- Auto idle shutdown system
- EMS
- Long-life hydraulic oil
- Two lights (main unit and left of boom)
- Fuel filter (with water separator)
- Fuel prefilter (with water separator)
- Double-element air cleaner
- Grease-enclosed track link
- Large tool box
- A set of tools

Accessories (option)

■ Cab-top lights

■ Rain deflector

■ 12V power (DC-DC converter)

■ Head guard (OPG level 2)

■ Polycarbonate roof top window with sunshade

■ Front guard (OPG level 1or 2)

■ Front mesh guard (full/lower)

■ Precleaner

■ Air suspension (KAB seat)

■ Blade

■ Refuel pump

■ Hose burst check valve (HBCV) for boom/arm cylinders

■ Rear view camera

■ Side camera

■ ROPS Cabin

■ ISO compliant mirror

Accessories and specifications may differ depending on countries and regions.

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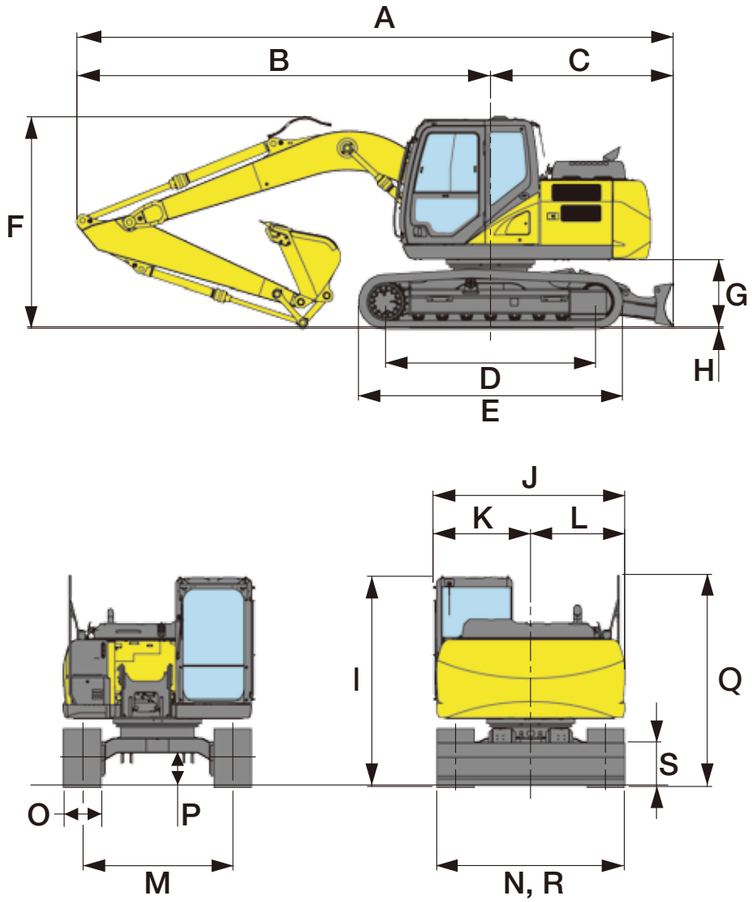
Dimensions



Model		SH130(LC)-6		
Arm length		2.11 m	2.50 m	3.01 m
A	Overall length	7 610 mm	7 620 mm	7 640 mm
	(equipped with blade)	7 910 mm	7 920 mm	7 940 mm
B	Length from centre of machine (to arm top)	5 480 mm	5 490 mm	5 510 mm
C	Length from centre of machine (to blade)	2 430 mm		
D	Centre to centre of wheels	2 790 (3 040) mm		
E	Overall track length	3 500 (3 760) mm		
F	Overall height (to top of boom)	2 710 mm	2 810 mm	2 820 mm
G	Clearance height under upper structure	890 mm		
H	Shoe lug height	20 mm		
I	Overall height (to top of cab)	2 790 mm		
J	Upper structure overall width	2 540 mm		
K	Width from centre of machine (left side)	1 290 mm		
L	Width from centre of machine (right side)	1 250 mm		
M	Track gauge	1 990 mm		
N	Overall track width	2 490 mm		
O	Std. shoe width	500 mm		
P	Minimum ground clearance	440 mm		
Q	Overall height (to top of handrail)	2 820 mm		
R	Width of blade	2 490 mm		
S	Height of blade	570 mm		

Figure in ( ) : LC type ※For 3.01 m arm — Arm cylinder pin at transportation point.

MEMO