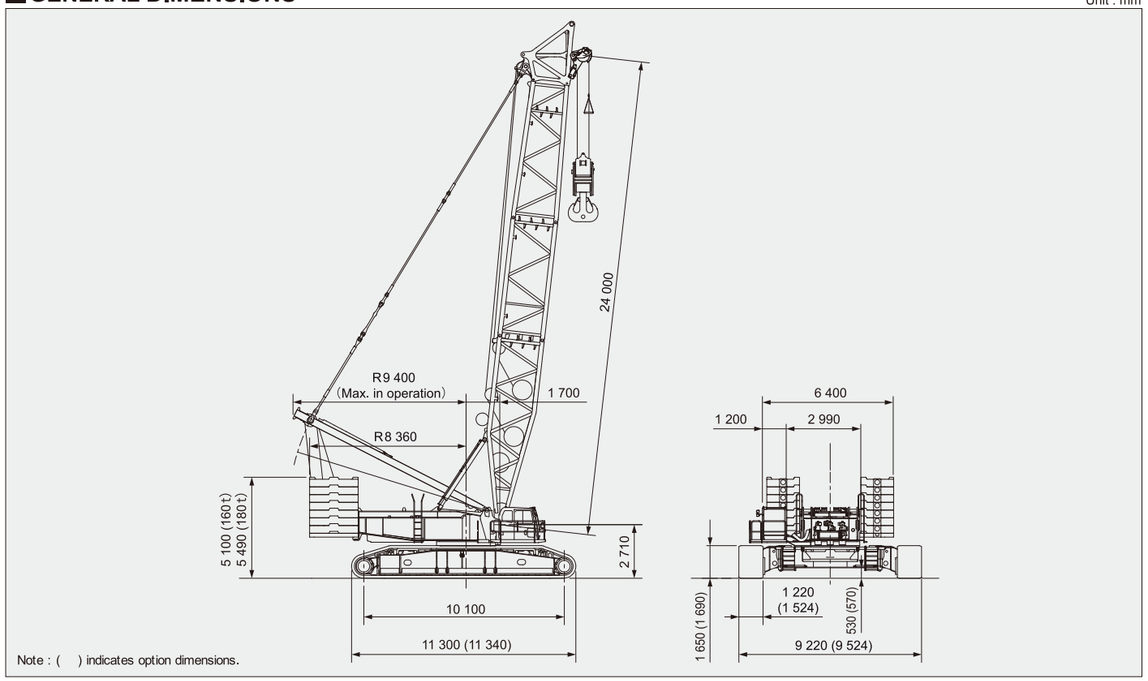
6000SLX

GENERAL DIMENSIONS

Unit : mm



Note : ( ) indicates option dimensions.

SPECIFICATIONS

		STD	SL-N	SL-T
Long Mast	m	—	30	30
Pallet Weight	t	—	—	0～260
Heavy Duty Boom Crane				
Max. Lifting Capacity	t	500	428	550
Boom Length	m	24～96	36～96	36～96
Long Range Boom Crane				
Max. Lifting Capacity	t	250	190	230
Boom Length	m	42～108	78～108	78～126
Luffing Jib				
Max. Lifting Capacity	t	210	210	230
Tower Length	m	24～72	36～72	36～84
Jib Length	m	24～ 72	24～72	24～84
Rope Line Speed (1st layer)				
Load Hoist Drums	m/min	110	110	110
Boom Hoist Drum		42	42	42
Luffing Jib Hoist Drum	m/min	49	49	49
Working Speed				
Slewing	min^{-1} (rpm)	1.0 (1.0)		
Travel	km/h	1.5 / 1.3 / 0.6		
Engine				
Make & Model		Isuzu 6WG1		
Rated Output	kW/min^{-1} (PS/rpm)	397 / 1,800 (540 / 1,800)		

- We are constantly improving our products and therefore reserve the right to change designs and specifications without notice.
- Units in this catalog are shown under International System of Units (SI). The figures in parenthesis are under the older British Gravitational System of Units.
- Illustrations may include optional equipment and accessories, and may not include all standard equipment.

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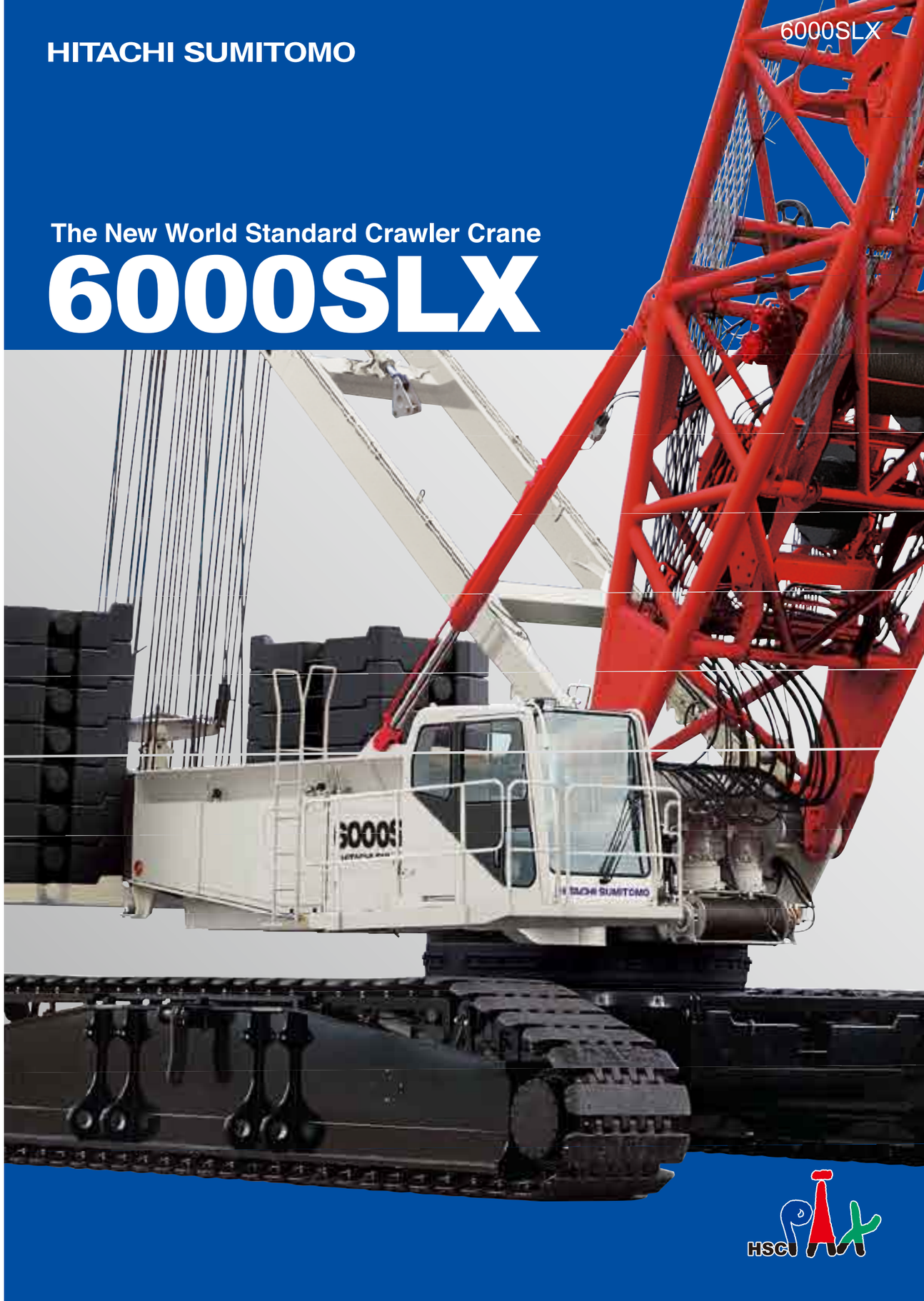
HITACHI SUMITOMO

6000SLX

The New World Standard Crawler Crane

6000SLX



Efficient Design

Handles Huge Jobs and easily Disassembles for Transport

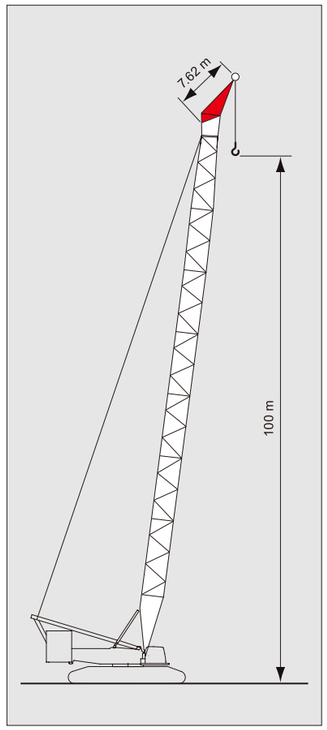
**The 6000SLX can lift 550 t with ease.
It is also easly disassembled for tramsport
and prompty set up at the next job site.**

Max. Liffting Capacity	STD	SL-N	SL-T
Crane (t)	500	428	550
Luffing (t)	210	210	230
Boom Length			
Heavy Duty Boom Crane (m)	24～96	36～96	36～96
Long Range Boom Crane (m)	42～108	78～108	78～126
Luffing Tower (m)	24～72	36～72	36～84
Luffing Jib (m)	24～72	24～72	24～84

High Lifting of Extreme Loads.

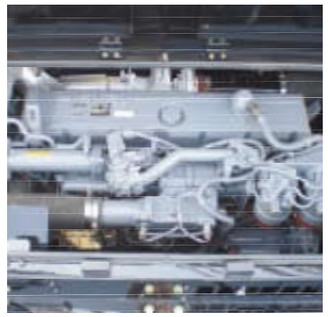
This is the crane for the toughest of lifting jobs.

The wide range of boom designs enable boom settings that meet the needs of the work environment. This means that this giant crane can lift heavy loads to great heights, yet is capable of precise operations at lower heights.



Heavy duty tip extension (option)

The best for set up wind power generation.



High power engine

A tough and highly reliable 397 kW (540 PS) Isuzu engine provides massive power at low 1 800 rpm. This power-to-spare maximizes winching power.

High capacity wide drum

The strong-yet-lightweight wide drum is strategically mounted within the base boom. The wide design of the drum helps reduce the load on the cable.

Equalizer hook block

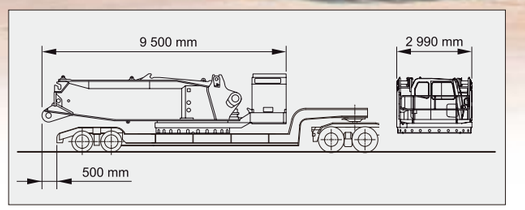
The 550 t and 320 t hooks each have an equalizer hook block covering the 280 t and 160 t hook respectively. This enables easy connection and superior balance. Moreover, the hook section is perforated with holes to enable the direct mounting of rigging for handling wind and thermal power generating equipment.

Disassembles to Less Than 2 990 mm Transport Width. Uses its Own Power for Assembly and Disassembly.

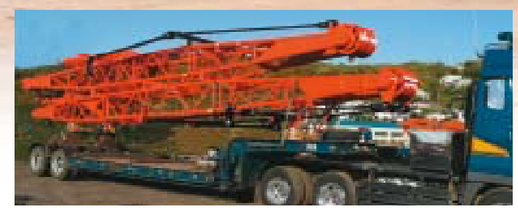
Quick-draw system is available (with load moment indicator) (option)

Upper jack available (option)
The combination of the quick-draw system and Upper jack enables the 6000 SLX to be assemble and disassembled by a single helper crane (60 t RTC), reducing cost.

Hook-on and pin joint type side frame connection device is standard
The hook-on and hydraulic pin joint type that earned a solid reputation on our 120 t and 200 t models now gives the 6000 SLX assembly ease that is equivalent to mid-range models.

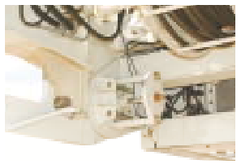


Compact body for excellent transportation



Unitized transport of luffing posts
Front and rear posts, along with a set of attachments, are unitized for easier transport.

Split upper frame with quick disconnect device (option)
By removing boom live mast, rear frame and boom hoist winch as an integrated unit from the front frame, the front frame weight becomes approx. 31t. Since these items are removed as an integrated unit, there is no need to remove the boom hoist cable from the frame.



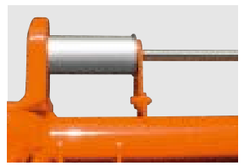
Hydraulically assisted connection pin mechanism (option)

Hook-on and pin joint type boom live mast

Hook-on and pin joint type front / rear post and auxiliary jib foot pin
Not only is there no need to align the pins, the operation can be done without the use of hammers. These amenities help to make assembly time 1/3 shorter than on previous models, dramatically reduceing the mount of labor required.

Hook-on type jib backstop is standard
The jib backstop can be automatically mounted if the rear post is mounted.

Boom foot pin easy centering design



Boom connect pin holding device

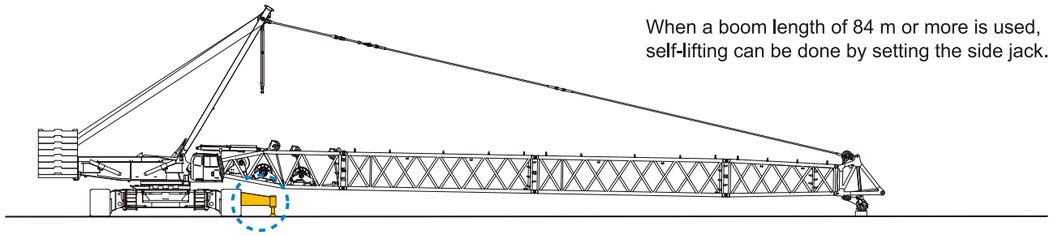
Hydraulic type rear post back stop with self-powered assembly and storage device (with luffing specifications)
There is no need for large assisting equipment to do the lifting operations when assembly the rear post. Moreover, the center of gravity is positioned near the assembly area so there will be no unbalance due to weight shifting from front to rear. This enables the assembly to done quickly and safely.

Go from rear post support pendant connection to tension instantly
Use the hydraulic cylinder to tilt the rear post, connect the pendant and then extend the cylinder to achieve pendant tension. Now this operation, which was once dangerous and required manual power, is no longer necessary. Moreover, the time to perform this operation has been dramatically reduced.

Pendant holding device

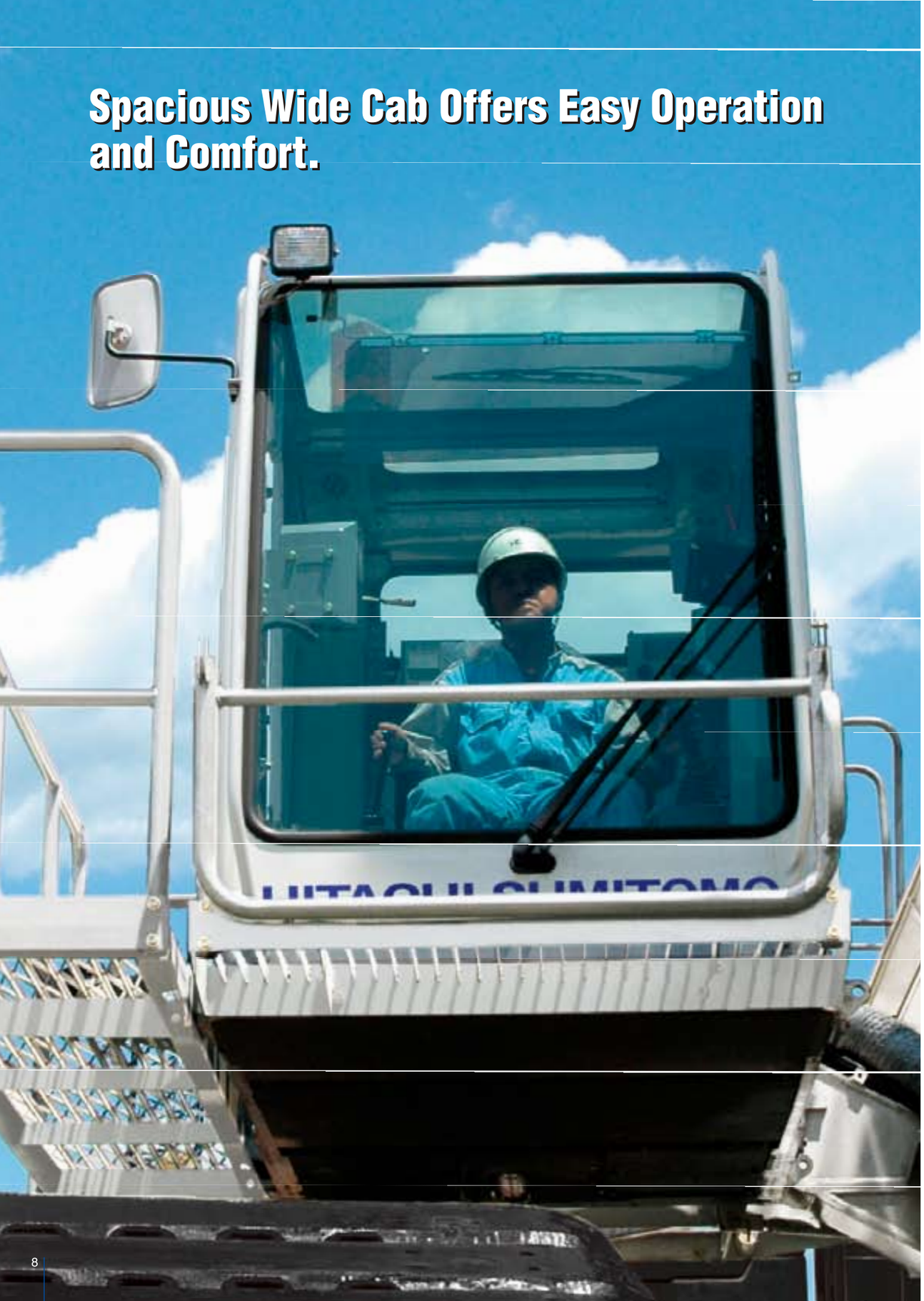
laterally symetrical counterweight

Side jack for long boom self-powered lifting



When a boom length of 84 m or more is used, self-lifting can be done by setting the side jack.

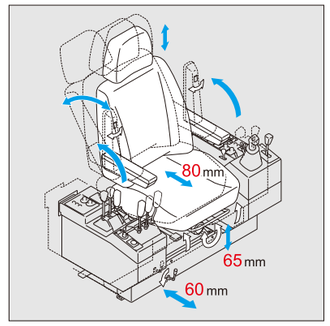
Spacious Wide Cab Offers Easy Operation and Comfort.



Spacious 1 200 mm wide cab ensures a comfortable space for the operator. There is even plenty of room when monitoring instruments are added, which helps to make the operator comfortable for efficient operation.

Comfortable cab offers superior visibility

Unobstructed visibility in all directions teams with the ergonomically positioned joystick and armchair lever controls to boost comfort and efficiency. Operations can be done from a comfortable operating position.



Suspension seat is standard

Strategic lever position

The joystick for slewing and boom hoisting operations on positioned on the left side of the comfortable operators seat. Load hoisting operations are controlled by the levers on the right side of the chair.

Hydraulic slewing brake pedal is standard

Industry Leader in Safety, Maintainability and Environmental Friendliness.

Hydraulic cylinder type boom back stop

The moment limiter and boom back stop limiter will operate to reduce the potential for accidents even if the crane or luffing specifications are incorrectly set. Moreover, boom swaying and harmonics are reduced.

Tags help prevent mis-assembly when extension boom is used

This helps to prevent boom mis-assembly caused by not being able to properly see the identification plates.

Drive tumbler tension adjusting devices are standard

The large, heavy cylinder is equipped in the side frame. Setting is also easy. Connect the hydraulic hoses and turn the valve on.

Auto-greasers for T.T.B is standard

Maintenance of the turntable bearings is easy thanks to the automatic greasing and other such systems.

Highly visible load moment indicator

Easy-to-read high-resolution LCD graphic display is provided. Displays important operating information such as actual load, load ratio, working radius, boom angle, engine rpm and others. Both voice and text messages are used to warn the operator that the crane is about to enter a danger zone.

Flat lower weight and lower frame

Easy to mount lower weight access to the main body is also safe and easy. Moreover, there is plenty of work space.

Easy-access engine layout

Engine maintenance is easy because of the relative arrangement of other components in the engine compartment. The engine cover can be opened even when the mast is stored.

Less load on the environment

The prime mover is from Isuzu, a reliable diesel engine manufacturer, and meets current EU Emission Regulations for Off-Road Diesel Engine-Stage 3.

Line-up

Luffing tower

Heavy duty boom crane

SL-N

Long range boom crane