SCX900

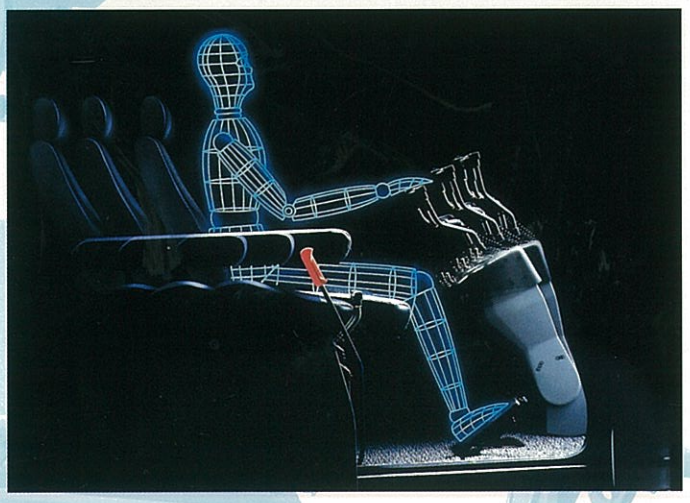
HYDRAULIC CRAWLER CRANE

Maximum Rated Load : 90 t at 4.0 m working radius
Basic Boom Length : 13 m
Maximum Boom Length : 61 m
Engine Rated Horsepower : 184 kW (250 PS)
Operating Weight : 87.5 t

HITACHI SUMITOMO

Enhanced Operator Comfort

Adjustable Deluxe Seat and Control Levers for Pleasant Operation with Less Fatigue



Operator Comfort and Operating Ease

- Electric tilt-type lever stand and adjustable deluxe seat
- Large, curved front glass window for upward/downward visibility
- Short-type lever allowing lever-to-lever spacing adjustment
- Easy-to-read control panel
- Quiet cab thanks to shock-absorbing rubber mounts and well-sealed sliding door
- Emissions control engine

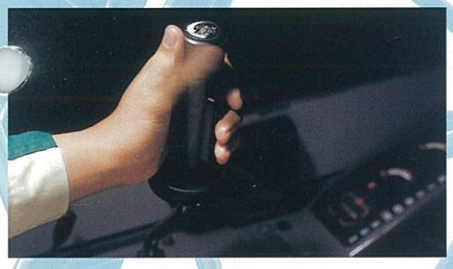
Note : •Decal and caution plates, affixed to the machine, vary depending on countries. Pictured are those for the Japanese market.
•Pictured includes optional equipment.
•"Ton" or "t" implies metric ton in this catalog.

Operating Ease

Precision Crane Operation with the Drum Speed Sensing System atop the Lever

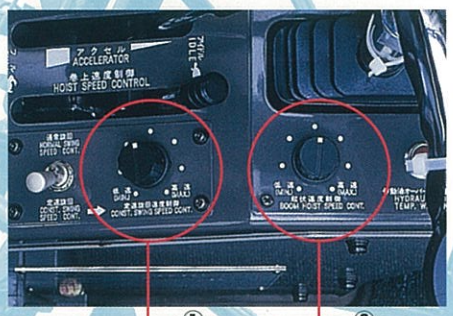
Fine Inching with Drum Speed Sensing System

Dependable inching operation is ensured even when the load is invisible -- i.e., deep crane operation under the ground with the help of a signal man, and extracting piles by vibration hammer. The operator can feel drum rotation surge at fingertips. This system, teamed up with the fine-speed control system featuring wide control range, increases controllability and productivity.



Electric Finger-Touch Accelerator Grip

The electric finger-touch accelerator grip, provided atop the swing lever, is added to the conventional accelerator lever and pedals. This original accelerator grip features good throttle response. The operator can choose from the accelerator grip, the accelerator lever and pedals to meet job requirements.



① Constant-Speed Swing Control

With the dial switch, swing speed can kept almost constant in a certain range, despite engine speed. In high-lift operation, this feature is advantageous, permitting slow swing while fast hoisting. With the change-over switch, normal swing can be selected.

② Independent Fine-Speed Control of the Boom

With the dial switch, boom hoisting/lowering speed can be adjusted, continuously and independently, in a range of 20% to 100% normal speed to suit slight changes in working radius.

Safety-First Design

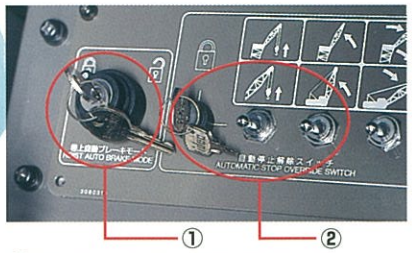
Here Are an Array of Safety Devices: Easy-to-Hold Levers, Rounded Lever Stand, Easy-to-Read Control Panel and Numerous Locking Mechanisms

Cushioned Boom Stops

Cushioned boom stop mechanism is pro-vided to reduce shocks at abrupt stops -- auto stops due to boom over-hoisting or overloading.

Secondary Boom Overhoist Prevention Device

Even if the boom or hook overhoist prevention device fails, the secondary boom overhoist prevention device auto-matically works to prevent overhoisting of the boom and hook. It makes the bell and buzzer sound. Also, the engine stops to prevent overhoisting.



① Keyed Auto Brake Mode Release Switch

This switch disables change from the auto brake mode to free fall.

② Keyed Auto Stop Release Switch

The auto stop release switch is fitted with a key to prevent inadvertent release of safety devices.

Brake Mode

The brake mode switch is provided to the lever stand for easy control and reading. With the indicators, the operator can read the brake mode at a glance.

Auto brake (green indicator)

Free fall (red indicator)

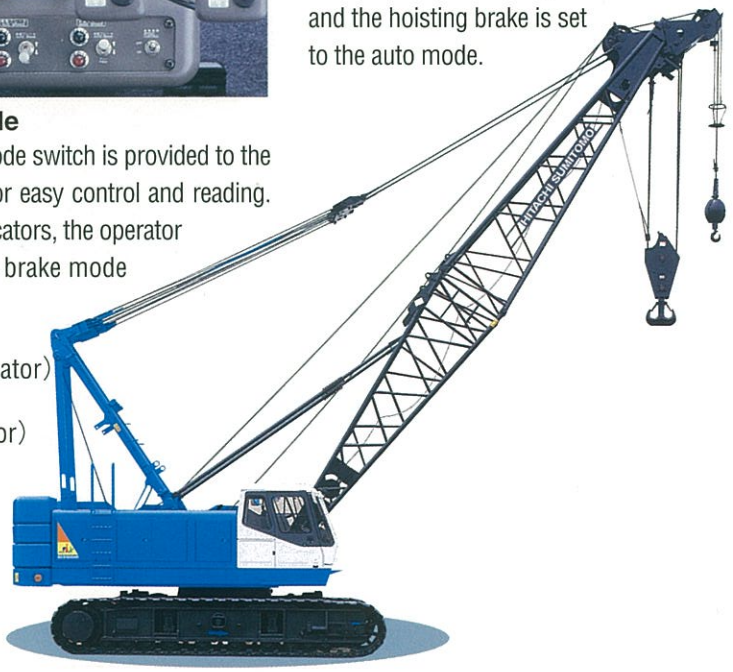
Pilot-Control Shutoff Lever to Prevent Misoperation When the Operator Gets in and out of the Cab

Drum Locking Mechanism

Each drum is locked automatically when the key switch is set to OFF or ACC position.

Fail-Safe Braking System

This system does not allow the engine to start unless the swing brake is locked and the hoisting brake is set to the auto mode.



Superb Job-to-Job Mobility

Increased Mobility
Thanks to Technological Advances

Folded-in Gantry

The gantry can be folded down for ease of trailer transpiration. There is no need for aligning pin holes of rear legs for simple assembling.

Rear leg pin

Multi-Section Counterweight for Easy Handling

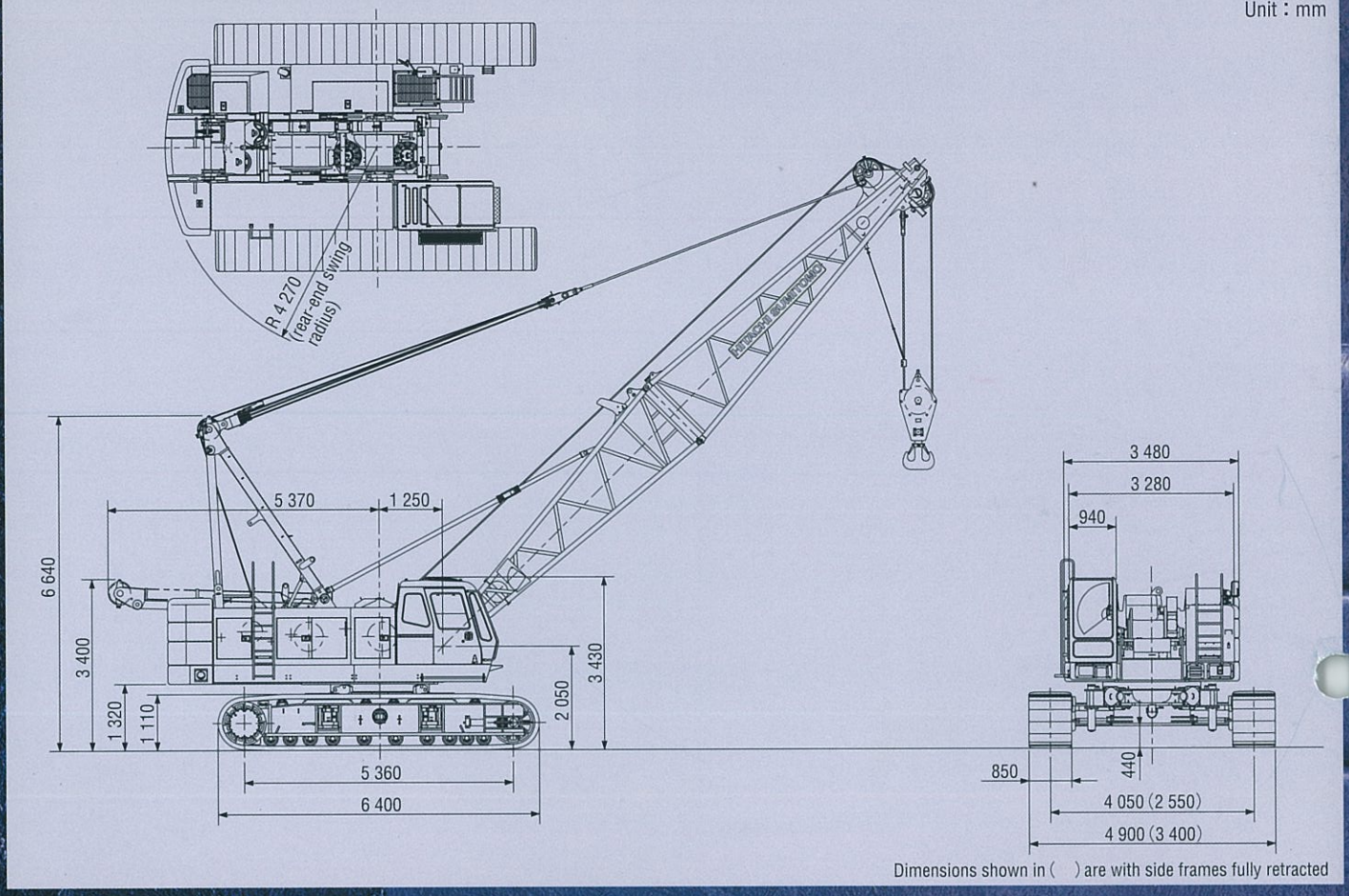
The sleek counterweight can be mounted on the basic machine with ease. The counterweight can be separated into four sections, each equally weighing 7.21 to 8.60 tons, and stacked upside down on a yard for easy handling.

Self-Loading Device (Optional)

Hydraulic jack-up can be remote controlled.

Dimensions

Unit : mm



Dimensions shown in ( ) are with side frames fully retracted

Specifications

(1 t = 1 000 kg)

		SCX900
Maximum rated load	t x m	90 x 4
Basic boom length	m	13
Max. boom length	m	61
Jib length	m	10 - 28
Maximum boom with jib length	m	49 + 28
Hoist line speeds*		
Main hoist	m/min	105/60/30
Auxiliary hoist	m/min	105/60/30
Boom hoist	m/min	55
Swing speed	min^{-1} (rpm)	2.7 (2.7)
Travel speed	km/h	1.6/1.1
Gradeability	% (°)	30 (16)
Diesel Engine		Mitsubishi 6D24-T
Rated horsepower	kW/min^{-1} (PS/rpm)	184/2 000 (250/2 000)
Ground pressure	kPa (kgf/cm^2)	89 (0.91)
Operating weight	t	87.5 (including 13 m boom and 90 000 kg capacity hook)

Note : Data is expressed in SI units followed by conventional units in ( ).
* Line speeds will vary with the load.

This catalog is not applicable to European and North America areas.
The machine shown may vary according to territory Specifications.
Specifications are subject to change without notice.

Hitachi Sumitomo Heavy Industries Construction Cranes Co.,Ltd

Head Office : 12-14 Ueno 7-chome, Taito-ku,
Tokyo 110-0005, Japan
Telephone : (03) 3845-1386
Facsimile : (03) 3845-1394
http://www.hands-crane.com

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