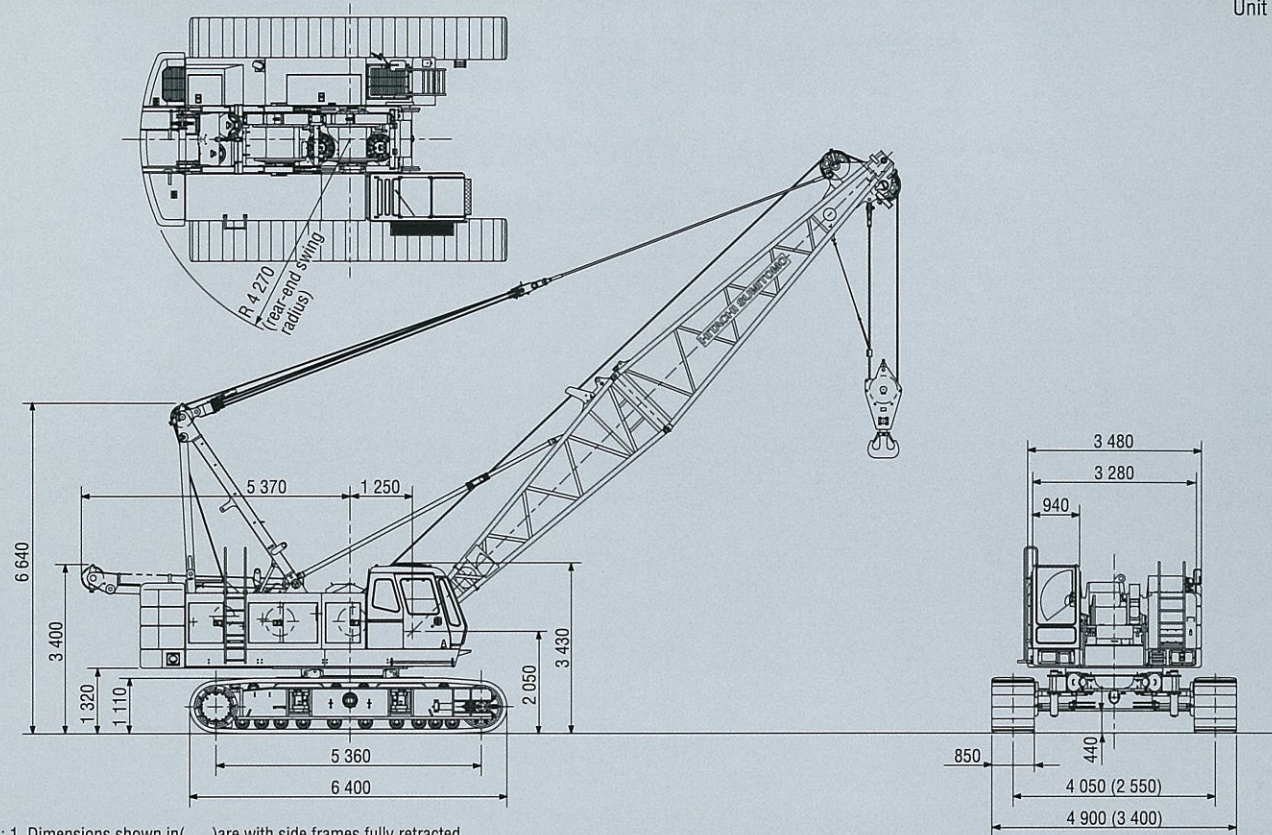


## ■ Dimensions

Unit : mm



Notes : 1 Dimensions shown in ( ) are with side frames fully retracted.  
2 Self-loading device is option.

## ■ Specifications

(1 ton = 1 000 kg)

		SCX900HD
Maximum rated load x Working radius	ton x m	90 x 4
Basic boom length	m	13
Maximum boom length	m	61
Boom length with optional Third drum equipped	m	13 - 25
<b>Winch</b>		
Maximum rated line pull (for crane)	ton	13
Maximum single line pull	ton	25
Line speeds Main hoist drum*	m/min	100/57/28
Auxiliary hoist drum*	m/min	100/57/28
Boom hoist drum*	m/min	64
Optional third hoist drum*	m/min	64
Swing speed	min <sup>-1</sup> (rpm)	3.5 (3.5)
Travel speed	km/h	1.5/1.0
Gradeability	%(°)	30(16)
<b>Diesel Engine</b>		
Rated horsepower	kW/min <sup>-1</sup> (PS/rpm)	Mitsubishi 6D24-TL 220/2 000(300/2 000)
Ground pressure	kPa(kgf/cm <sup>2</sup> )	89.5(0.91)
Operating weight	ton	88.9 (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.

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# SCX900HD

## HYDRAULIC CRAWLER CRANE

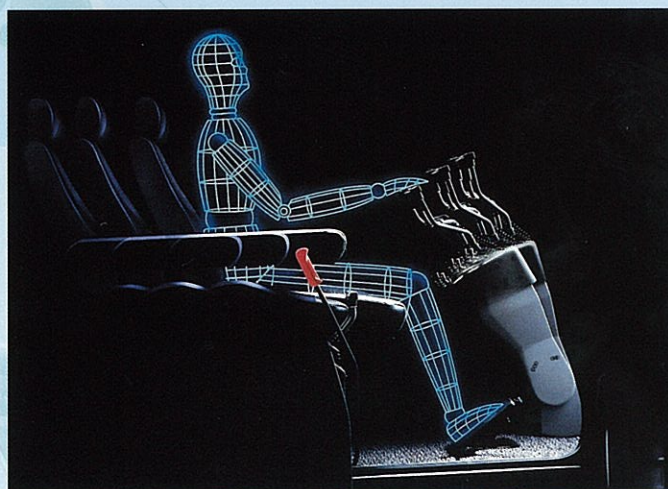
Maximum Rated Load : 90 t at 4.0 m working radius  
Basic Boom Length : 13 m  
Maximum Boom Length : 61 m  
Engine Rated Horsepower : 220 kW(300 PS)  
Operating Weight : 88.9 t



# 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
- 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



## Fine Inching with the Lever-mounted Drum Rotation 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, or extracting piles with a vibration hammer. The system enables the operator to feel drum rotation beginning at the fingertips. Coupled with the fine-speed control system featuring a wide control range, increases controllability and productivity are increased.

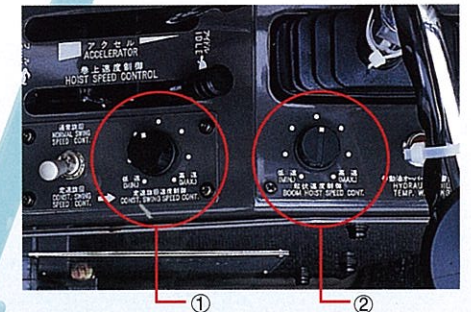


## Electric Finger-Touch Accelerator Grip

The electric finger-touch accelerator grip, provided atop the swing lever, is a new Hitachi control system, featuring good throttle response. The operator can choose from the accelerator grip, or the conventional accelerator lever and pedals according to job requirements.

## ① Constant-Speed Swing Control

With a dial switch, swing speed can be kept nearly constant within a certain range, regardless of engine speed. During high-lift operation, this feature is advantageous, permitting slow swing with quick hoisting. With a selector switch, normal swing can be selected.



## ② Independent Fine-Speed Control of the Boom

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



# Safety-First Design

A wide an Array of Devices: Ergonomic Levers, Rounded Lever Stand, Easy-to-Read Control Panel and Numerous Locking Mechanisms



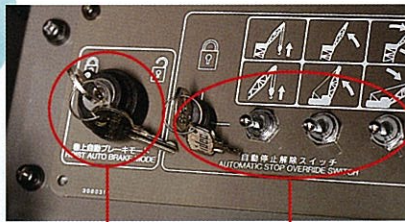
## Cushioned Boom Stops

A cushioned boom stop mechanism is provided to reduce shock due to abrupt stops such as automatic stops from 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 prevents boom and/or hook overhoisting. Alarm bell and buzzer sound to warn the operator. Also, the engine shutdown to prevent damage due to boom imbalance.

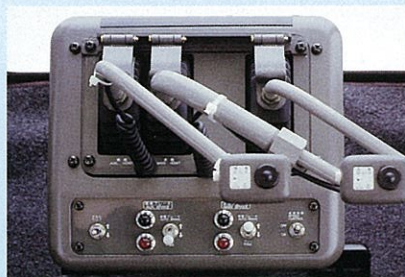


## ① Keyed Auto Brake Mode Release Switch

This switch disables transfer from auto brake mode to free fall mode.

## ② Keyed Auto Stop Release Switch

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



## Brake Mode Selector

The brake mode selector is provided on the lever stand. Indicators enable the operator to differentiate brake mode at a glance.

Auto brake mode (green indicator)

Free fall mode (red indicator)



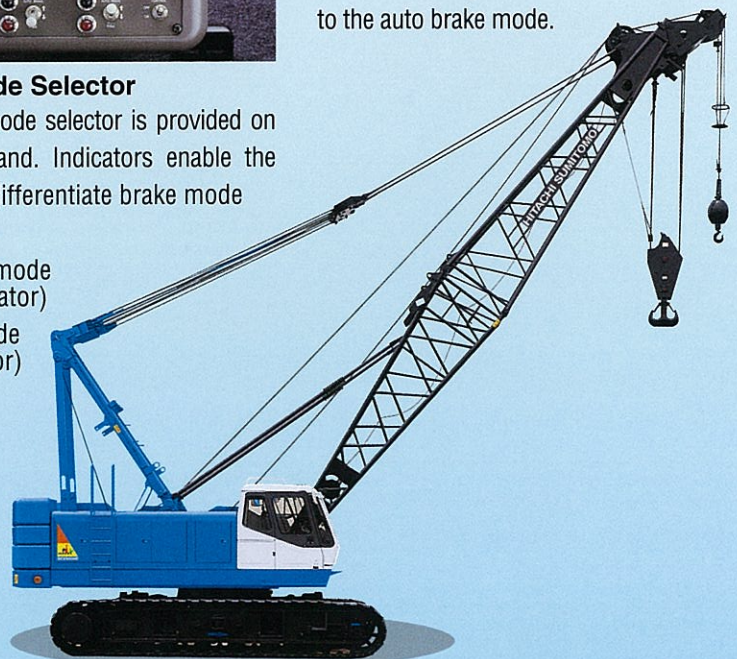
## Pilot-Control Shutoff Lever Prevents Misoperation During Operator Ingress and Egress

## Drum Locking Mechanism

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

## Interlock 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 brake mode.



# Superb Job-to-Job Mobility

**Increased Mobility  
Thanks to Technological Advances**

## Folded-in Gantry

The gantry can be folded down for easy trailer transportation. There is no need to align pin holes at the rear legs, facilitating assembly.



Rear leg pin



## Multi-Section Counterweight for Easy Handling

The sleek counterweight can be readily mounted on the basic machine with ease. The counterweight can be separated into four sections, weighing between 7.21 to 8.60 tons, and can be stacked upside in reverse at a yard for simple storage.



## Self-Loading Device (Optional)

Hydraulic jack-up can be remote controlled.

