

# Superb Job-to-Job Mobility

Increased Mobility  
Thanks to Technological Advances



Bridge joint guides adopted for increased ease of boom disassembly and reassembly



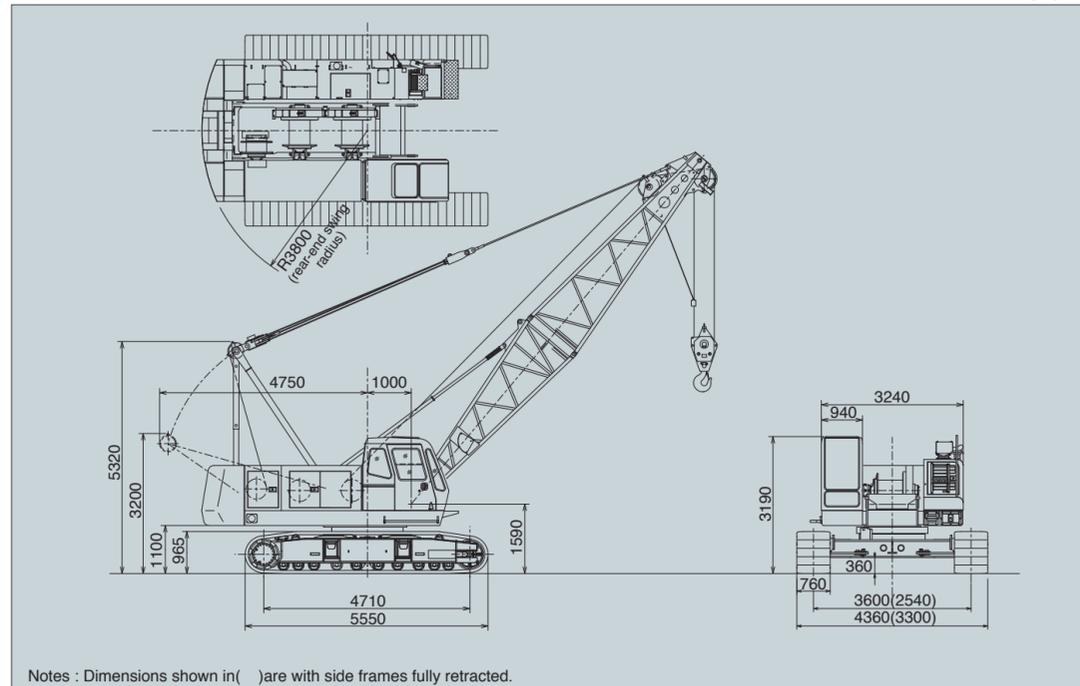
Side frame extend/retract switch



Note :The machine is painted in a customer's selected color.

## Dimensions

Unit : mm



Notes : Dimensions shown in ( ) are with side frames fully retracted.

## Specifications

(1 t = 1 000 kg)

		Liftcrane	Luffing towercrane	Clamshell
Max.lifting capacity	t × m	55 × 3.7	11.4 × 10.3	—
Basic boom length	m	10	—	10
Max. boom length	m	52	—	19
Fly jib length	m	6~15	—	—
Boom + fly jib length	m	43+15	—	—
Tower length	m	—	22~40	—
Tower jib length	m	—	16~28	—
Tower + jib length	m	—	40+25	—
Winch				
Line speeds Main hoist drum*	m/min	110/74/37	110/74/37	74/37
Auxiliary hoist drum*	m/min	110/74/37	37	74/37
Boom hoist drum*	m/min	60	60	60
Swing speed	min <sup>-1</sup> (rpm)	—	3.7 (3.7)	—
Travel speed	km/h	—	2.0/1.5	—
Gradeability	% ( )	—	40 (22)	—
Diesel Engine			Isuzu 4HK1X	
Engine power	kW/min <sup>-1</sup> (PS/rpm)	—	147/ 2 100 (200/ 2 100)	—
Ground pressure	kPa(kg/cm <sup>2</sup> )	67.0(0.68)	74.3 (0.76)	70.0 (0.71)
Operating weight	t	52.5 (w/10 m boom and 55 t capacity hook)	58.2 (w/40 m tower + 25 m jib)	54.8 (w/10 m boom and 1.2 m <sup>2</sup> bucket)

NOTE : Data is expressed in SI units followed by conventional units in ( ).

\* Line speeds will vary with 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.

\*HSC\* throughout this catalog. \*HSC CRANES\* is a brand of Sumitomo Heavy Industries Construction Cranes Co., Ltd.

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# SCX550

## HYDRAULIC CRAWLER CRANE

Maximum Rated Load : 55 t at 3.7 m working radius

Basic Boom Length : 10 m

Maximum Boom Length : 52 m

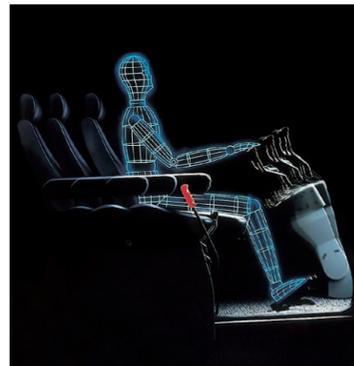
Engine Power : 147 kW (200 PS)

Operating Weight : 52.5 t



# 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
- New-type Moment Limiter with large screen display
- 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



Note : The machine is painted in a customer's selected color.



## Fine Inching with the Lever-mounted Drum Rotation Sensing System

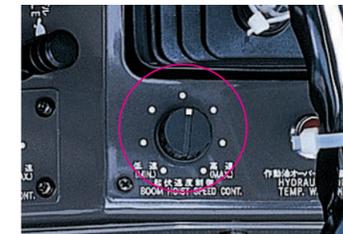
Dependable inching operation is ensured even when the load is invisible -- i.e., deep crane operation under the ground with the help of a signal man, or extracting piles with a vibration hammer. The system enables the operator to feel drum rotation beginning at the fingertips.

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 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.



## Independent Fine-Speed Control of the Boom

With a dial switch, boom hoisting/lower-ing 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



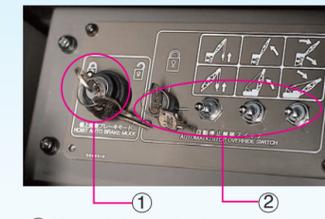
## Cushioned Boom Stops

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 shut down 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.



## 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.



## 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)



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