

HITACHI



**NEW**  
***Super EX***  
**EX550**

Rated engine HP: 272 kW (370 PS)

Operating weights

EX550: 53 200 kg (117 300 lb)

EX550LC: 55 100 kg (121 500 lb)

EX550H: 54 700 kg (120 600 lb)

EX550LCH: 55 500 kg (122 400 lb)

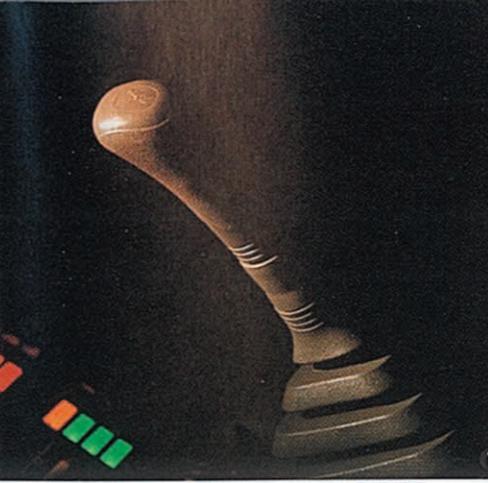
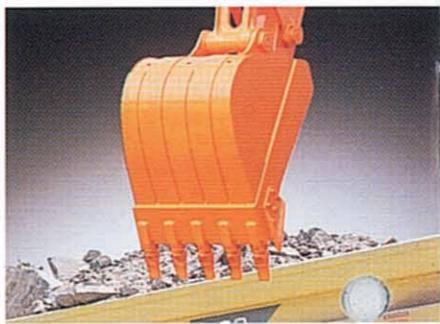
Bucket capacity

PCSA heaped: 1.82—3.39 m<sup>3</sup> (2.38—4.43 yd<sup>3</sup>)

CECE heaped: 1.60—3.00 m<sup>3</sup>

Outstanding Productivity.  
Hitachi's Uncompromising  
Commitment to the  
Ultimate Machine.

## SuperEX EX550



● For high productivity, the improved E-P control gives optimum control of the engine and pump according to jobsite conditions. So optimum power and speed are always right at hand for increased production and reduced fuel consumption. Operating economy and versatility are also advantageous.

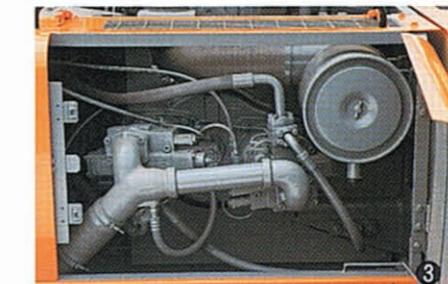
● Power booster gives a short-duration boost of power, at the touch of a switch, when needed. This is very useful in day-to-day operation.



● Work mode selector gives a choice of four work modes—general purpose, trenching, grading and precision modes, at one touch of a switch. The precision mode also serves for powerful crane operation through the heavy lifting system.



● Direct-injection, turbocharged, after-cooled engine produces a big 272 kW (370 PS) of power for more production with less fuel consumption, using high pressure pumps.



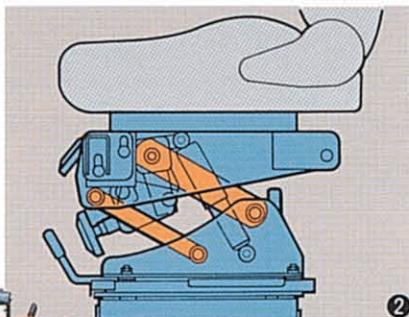
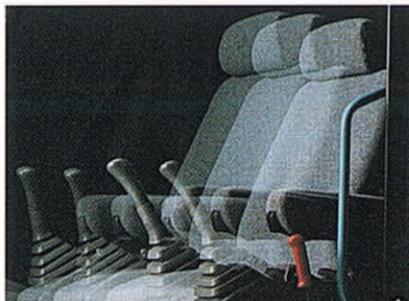
● Two-speed travel, with auto speed shifting: Fast speed [4.7 km/h (2.9 mph)], slow speed with ample traction force, and auto speed shifting that responds to travel loading. Travel shockless valve enhances smooth starts and stops when traveling.



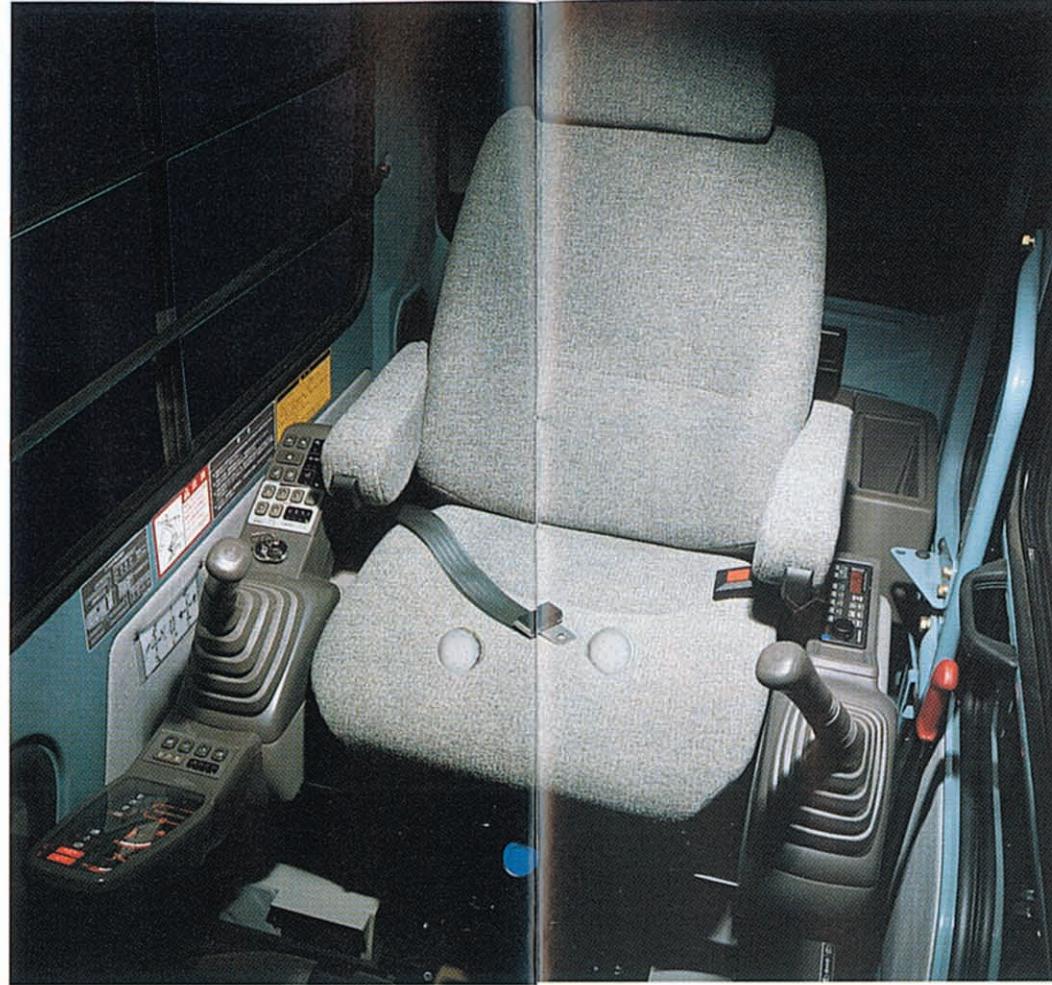
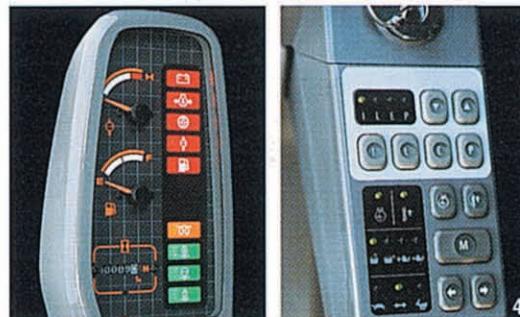
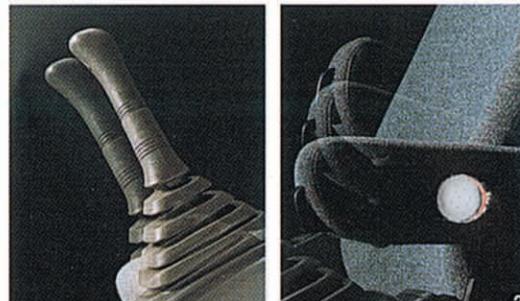
● The front moves with rapid response to control levers for efficient sloping and leveling, with power and speed.

- Time-tested OHS (Optimum Hydraulic System) for good combined operation.
- Auto Idle reduces fuel consumption during idling.
- Shockless relief valves built into the swing and travel mechanisms.
- Cushioned cylinders at boom, arm and bucket.
- I-mode instantly reduces engine speed down to low idle speed.
- Regenerative circuit shortens cycle times.

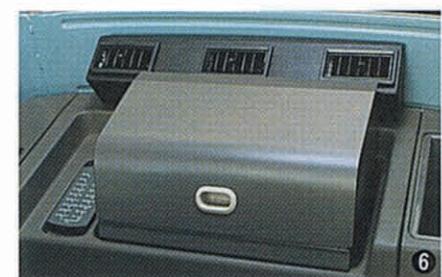
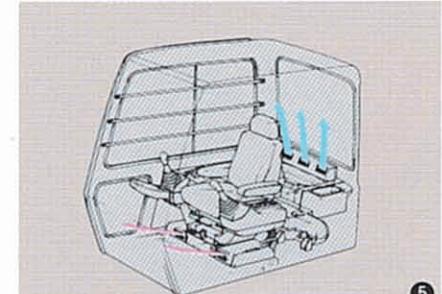
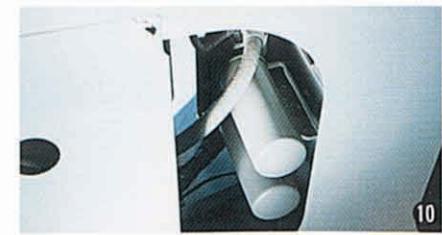
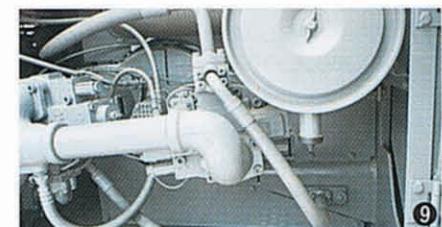
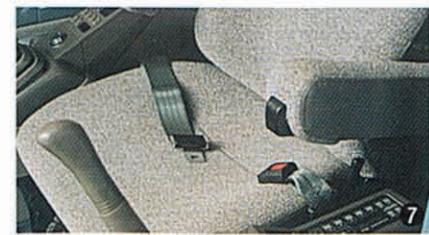
# Comfort-built Cab Speaks for Itself



- ➊ **Sliding cockpit:** The operator seat glides alone, or with control levers and monitor, to the proportions of the operator.
- ➋ **Shock-dampened suspension seat** gives seating comfort with almost no lateral jolt through I-shaped linkage suspension and cold-foamed seat cushions.
- ➌ **Two control lever heights and continuously adjustable armrest angle** to suit the proportions of the operator. Ergonomically designed lever grip fits the hand naturally.
- ➍ **Easy-to-read curved monitor with finger-touch resin-molded switches** for dust protection.



- ➎ **Seat belt** is provided as standard.
- ➏ **Sidewalk** is provided on the cab side, and **handrails** and **slip-resistant tapes** are arranged at many points for servicing convenience.
- ➐ **Pump bulkhead** is provided between pump and engine as a fire-resistant wall.
- ➑ **Fuel filter, engine oil filter and bypass filter** are all cartridge type for simple replacement from the ground.
- ➒ **Wide-open engine cover**, fitted with a damper, gives easy access to the engine for servicing and maintenance.
- ➓ **Generous utility space and tool box** are convenient for storing a 20-liter (5 gallon) oil-can and consumables.



➕ **Air Conditioner [optional]:** An air conditioner (internal circulation type), using a freon substitute, maintains the operator comfort all year around, increasing operating efficiency.

➖ **Hot-and-cool box**, optionally available on the rear tray, maintains the operator comfort all year round.

- Light, snug-fit control lever
- Spring-assisted front window for easy in-cab storing
- Automobile-type auto-tuning clock radio
- Front window washer and intermittent wiper
- Fuel lever (optional).

➗ **Electric grease gun** with a hose reel (optional) and **centralized remote lubrication system** allow simple, efficient lubricating at the front attachment and swing circle.

➘ **Easy-to-check pump transmission oil level gauge.**

➙ **Swing alarm [optional]:** Buzzer sounds to alert the crew when the swing lever is moved.

➚ **Travel alarm [optional]:** Buzzer sounds to alert the crew when the travel lever is moved.

- Bright halogen light for efficient night-time operation
- Positive swing parking brake
- Quick warm-up system for pilot circuits for quick starts in cold weather
- Hydraulic warm-up control system for engine and hydraulic oil
- Pilot-control shut-off lever to avoid mishandling when getting in or out of the cab and when not in operation
- Long engine oil replacement intervals of 500 hours

# Rugged Body Gives First-class Dependability



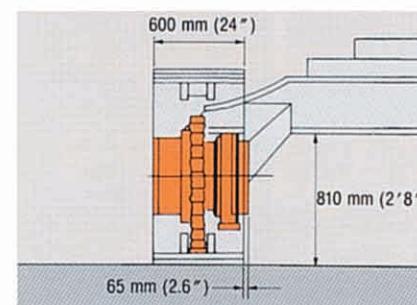
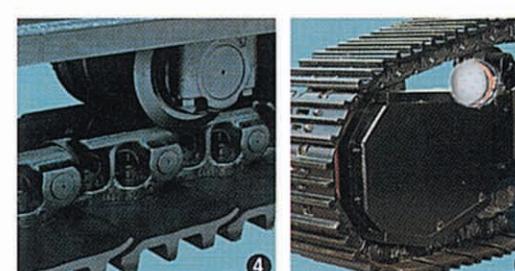
**① The reinforced front attachment** allows the EX550 to tackle tougher jobs than ever. The boom and arm are reinforced throughout, using thickened plates, oversized pins, strategically located bulkheads and backings, and marginal weld beads to resist stress concentration and counteract torsion. The result is ruggedness and durability for heavy-duty excavation and breaker operation. The bucket is built with improved wear resistance.

**② Monolithically cast bucket link A** for high resistance to torsion and strain.

**③ Interlocking mounting cast side cutters** effectively protect the bucket side plates from wear.

**④ Holding valves** are built into the boom and arm circuits to keep the front attachment and lifting load in the air with less lowering, such as when waiting for a coming dump truck or in stand-by mode.

**⑤ Large strut-reinforced track links** are fitted with pin seals that keep dirt out to reduce internal wear. **Travel motor covers** protect the travel motors and piping during travel. **Ample ground clearance** eases travel on rough terrain.



**⑥ Pressurized cab**, effectively sealing dirt out, is provided with **integrated headguard (optional)** that protects the operator from falling objects.

**⑦ H track guards (optional)**, extending over two lower rollers, protect them and prevent disengagement on rough terrain. They are easy to check, service and replace. **Four-place full track guard** is also optionally available.

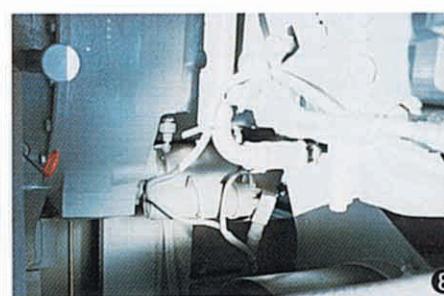
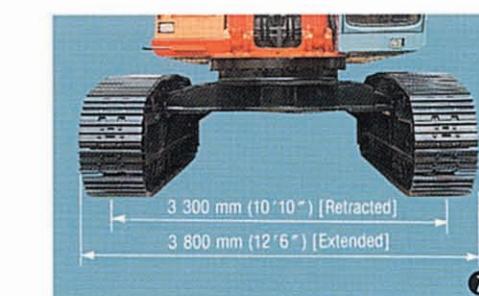
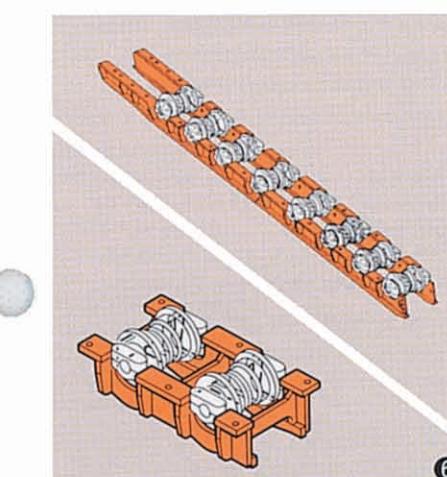
**⑧ Track frame** can be extended [up to 3 800 mm (12'6")] for higher stability at work, and retracted [down to 3 300 mm (10'10")] for easy transportation.



**⑨ Reinforced versions (EX550H and EX550LCH)**, each incorporating further reinforced front attachment and basic machine, are available for heavy-duty excavation.

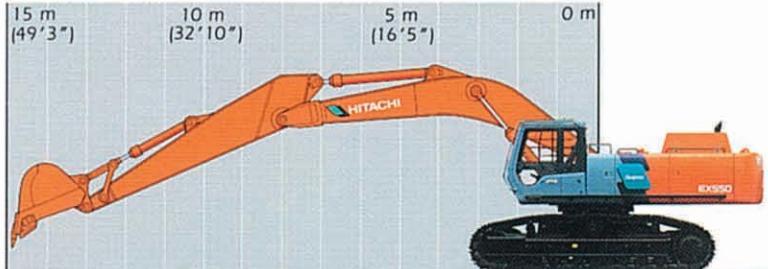
**⑩ Split-type heat-resistant wire harnesses** are employed for increased durability and easy servicing.

- Rugged D-section Frame
- Sturdy X-shaped track frame
- Bucket clearance adjustment mechanism
- TIG welding on piping for fatigue resistance



# Variations of Front Attachments: The Right Tools for Your Job-specific Applications.

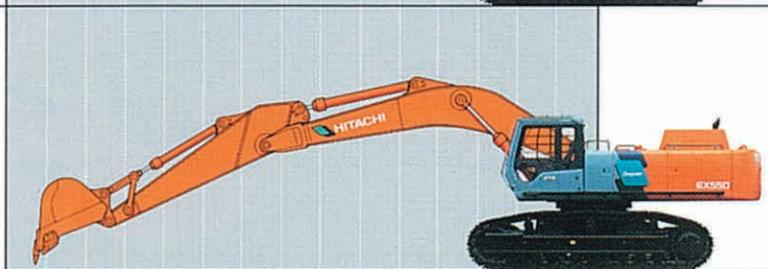
The EX550 is truly versatile, using a variety of front attachments. Take a look at job-specific designs, enhanced with built-in toughness. The long-range front widens working ranges, and the BE front gives added loading power. All these fronts help more than ever to increase production in specific jobs.



## ① Long-range Front:

7.60 m (24'11") boom/5.20 m (17'1") arm/1.82 m<sup>3</sup> (2.38 yd<sup>3</sup>: PCSA heaped) bucket

Well-suited for job sites where expanded working ranges are top priority, such as gravel collection, river maintenance, and deep digging works.



## ② Semi-long Front:

7.60 m (24'11") boom/4.10 m (13'5") arm/2.00 m<sup>3</sup> (2.62 yd<sup>3</sup>: PCSA heaped) bucket

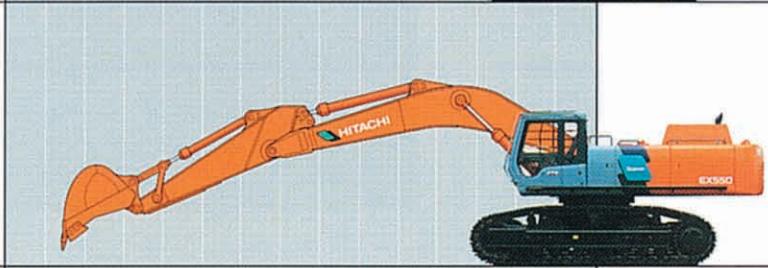
This front offers combined features of the standard and long-range fronts—versatility and expanded working ranges—for trenching and ditching.



## ③ Standard Front:

7.60 m (24'11") boom/3.50 m (11'6") arm/2.26 m<sup>3</sup> (2.96 yd<sup>3</sup>: PCSA heaped) bucket

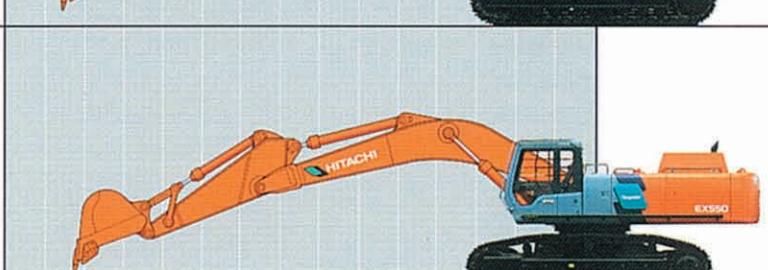
Designed for high productivity in large-scale civil-engineering works. Applicable for general-purpose jobs, including digging, loading and overburden stripping.



## ④ H Front:

7.60 m (24'11") H-boom/3.50 m (11'6") H-arm/2.21 m<sup>3</sup> (2.89 yd<sup>3</sup>: PCSA heaped) rock bucket

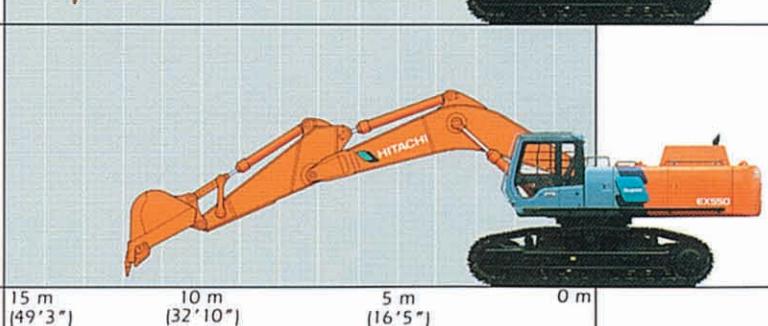
Designed for added durability and toughness for heavy-duty applications, such as quarrying and breaker operation.



## ⑤ Short-range Front:

7.60 m (24'11") boom/2.90 m (9'6") arm/2.47 m<sup>3</sup> (3.23 yd<sup>3</sup>: PCSA heaped) bucket

This front delivers big digging force and expanded working ranges for efficient loading and breaker operation.



## ⑥ BE Front:

6.60 m (21'8") BE-boom/2.90 m (9'6") BE-arm/3.39 m<sup>3</sup> (4.43 yd<sup>3</sup>: PCSA heaped) bucket or 3.00 m<sup>3</sup> (3.92 yd<sup>3</sup>: PCSA heaped) rock bucket

With the big capacity bucket, the BE front, delivering bigger digging force in a higher class, allows efficient digging and loading of soft rock.

# SPECIFICATIONS



## ENGINE

Model	Cummins NTA855
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged
No. of cylinders	6
Rated flywheel horsepower	
DIN 6271, net	272 kW (370 PS) at 1 800 min <sup>-1</sup> (rpm)
SAE J1349, net	269 kW (361 HP) at 1 800 min <sup>-1</sup> (rpm)
Maximum flywheel horsepower	
DIN 6271, gross	294 kW (400 PS) at 2 100 min <sup>-1</sup> (rpm)
SAE J1349, gross	298 kW (400 HP) at 2 100 min <sup>-1</sup> (rpm)
Maximum torque	1 540 N.m (157 kgf.m, 1 140 lbf.ft) at 1 400 min <sup>-1</sup> (rpm)
Piston displacement	14.00 L (854 in <sup>3</sup> )
Bore and stroke	140 mm × 152 mm (5.5" × 6.0")
Batteries	2 × 12 V, 170 AH
Governor	Mechanical, speed control by stepping motor



## HYDRAULIC SYSTEM

Hitachi's new ETS (Electronic Total control System) designed for higher job efficiency with less fuel consumption/noise.	
Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	2 × 382 L/min (100.9 US gpm, 84.0 Imp gpm)
Pilot pump	1 gear pump
Maximum oil flow	30.0 L/min (7.9 US gpm, 6.6 Imp gpm)

### Hydraulic Motors

Travel	2 axial piston motors with parking brake
Swing	2 axial piston motors

### Relief Valve Settings

Implement circuit	29.9 MPa (305 kgf/cm <sup>2</sup> , 4 340 psi)
Swing circuit	31.4 MPa (320 kgf/cm <sup>2</sup> , 4 550 psi)
Travel circuit	34.3 MPa (350 kgf/cm <sup>2</sup> , 4 980 psi)
Pilot circuit	3.9 MPa (40 kgf/cm <sup>2</sup> , 570 psi)

### Hydraulic Cylinders

Cylinder cushion mechanisms are provided for all cylinders to absorb shock when pistons reach their stroke ends.

### Dimensions

	Qty	Bore	Rod diameter
Boom	2	180 mm (7.09")	125 mm (4.92")
Arm	1	200 mm (7.87")	140 mm (5.51")
Bucket	1	180 mm (7.09")	130 mm (5.12")

### Hydraulic Filters

All hydraulic circuits use hydraulic filters. A suction filter is built in suction line, and 10 µm full-flow filters in return circuit and swing/travel motor drain lines.



## CONTROLS

Pilot controls for all functions. Hitachi original shockless valve and quick warm-up system built in the pilot circuit. Multi rotary pilot control valve is optionally available for selection of control lever direction.

Implement levers	2
Travel levers with pedals	2



## UPPERSTRUCTURE

### Revolving Frame

Welded, sturdy box construction, using heavy-gauge steel plates for ruggedness. D-section frame for resistance to deformation.

### Swing Mechanism

Axial piston motor with planetary gear is bathed in oil. Swing circle is single-row, shear-type ball bearing with induction-hardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type. Swing cushion valve built in swing motor absorbs shocks when stopping swing.

Swing speed ..... 8.0 min<sup>-1</sup> (rpm)

### Operator's Cab

Independent, roomy cab, 940 mm (37") wide by 1 620 mm (64") high, conforming to ISO\* Standards. Reinforced glass windows on 4 sides for excellent visibility. Front windows (upper and lower) are openable and storable in the cab. Adjustable, reclining seat with armrests; movable with or without control levers and monitor panel.

\* International Standard Organization

EX550H/EX550LCH's cab: wide 940 mm (37"), 1 740 mm (69") high.



## UNDERCARRIAGE

### Tracks

Tractor-type undercarriage. Welded track frame, using carefully selected materials for tough jobs. Side frame bolted to track frame. Lubricated track rollers, idlers, and sprockets with floating seals. Track shoes with triple grouser made of induction-hardened rolled alloy. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

### Numbers of Rollers and Shoes on Each Side

Upper rollers	3
Lower rollers	8 EX550/EX550H 9 EX550LC/EX550LCH
Track shoes	49 EX550/EX550H 52 EX550LC/EX550LCH
Track guard	2 EX550/EX550H 3 EX550LC/EX550LCH

Track guard on the EX550H and EX550LCH are reinforced.

### Traction Device

Each track driven by axial piston motor through reduction gears for counter-rotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type. Travel shockless relief valve built in travel motor absorbs shocks when stopping travel, ensuring smooth stops.

Two-speed travel, and auto speed shifting.

Travel speeds ..... High: 0 to 4.7 km/h (2.9 mph)  
Auto: 3.2 to 4.7 km/h (2.0 – 2.9 mph)  
Low: 0 to 3.2 km/h (2.0 mph)

Maximum traction force ..... 373 kN (38 000 kgf, 83 800 lbf)

Gradeability ..... 35° (70%) continuous

## WEIGHTS AND GROUND PRESSURE

### EX550/EX550LC:

Equipped with 7.60 m (24'11") boom, 3.50 m (11'6") arm, and 2.26 m<sup>3</sup> (2.96 yd<sup>3</sup>; PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	53 200 kg (117 300 lb)	94.1 kPa (0.96 kgf/cm <sup>2</sup> , 13.7 psi)
		54 200 kg (119 500 lb)	89.2 kPa (0.91 kgf/cm <sup>2</sup> , 12.9 psi)
	750 mm (30")	54 000 kg (119 100 lb)	76.5 kPa (0.78 kgf/cm <sup>2</sup> , 11.1 psi)
		55 100 kg (121 500 lb)	72.6 kPa (0.74 kgf/cm <sup>2</sup> , 10.5 psi)
900 mm (35")	54 800 kg (120 800 lb)	64.7 kPa (0.66 kgf/cm <sup>2</sup> , 9.39 psi)	
	56 000 kg (123 500 lb)	61.8 kPa (0.63 kgf/cm <sup>2</sup> , 8.96 psi)	

Figures in are data on the EX550LC.

### EX550H/EX550LCH:

Equipped with 7.60 m (24'11") H-boom, 3.50 m (11'6") H-arm, and 2.21 m<sup>3</sup> (2.89 yd<sup>3</sup>; PCSA heaped) rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	54 700 kg (120 600 lb)	97.1 kPa (0.99 kgf/m <sup>2</sup> , 14.1 psi)
		55 500 kg (122 400 lb)	91.2 kPa (0.93 kgf/m <sup>2</sup> , 13.2 psi)

Figures in are data on the EX550LCH.

### EX550/EX550LC with BE-front:

Equipped with 6.60 m (21'8") BE-boom, 2.90 m (9'6") BE-arm, and 3.39 m<sup>3</sup> (4.43 yd<sup>3</sup>; PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	54 100 kg (119 300 lb)	95.1 kPa (0.97 kgf/cm <sup>2</sup> , 13.8 psi)
		55 100 kg (121 500 lb)	90.2 kPa (0.92 kgf/cm <sup>2</sup> , 13.1 psi)
	750 mm (30")	54 900 kg (121 100 lb)	77.5 kPa (0.79 kgf/cm <sup>2</sup> , 11.2 psi)
		56 000 kg (123 500 lb)	73.6 kPa (0.75 kgf/cm <sup>2</sup> , 10.7 psi)
900 mm (35")	55 800 kg (123 000 lb)	65.7 kPa (0.67 kgf/cm <sup>2</sup> , 9.53 psi)	
	56 800 kg (125 200 lb)	61.8 kPa (0.63 kgf/cm <sup>2</sup> , 8.96 psi)	

Figures in are data on the EX550LC with BE-front.

Note: Depending on the jobsite conditions, 750 mm (30") grouser shoe and 900 mm (35") grouser shoe may not be recommended for rock, hard surface or forestry application.

## SERVICE REFILL CAPACITIES

	liters	US gal	Imp gal
Fuel tank	700.0	184.9	154.0
Engine coolant	70.0	18.5	15.4
Engine oil	44.0	11.6	9.7
Pump drive	5.0	1.3	1.1
Swing mechanism	13.0	3.4	2.9
(each side)			
Travel final device	14.0	3.7	3.1
(each side)			
Hydraulic system	560.0	148.0	123.2
Hydraulic tank	270.0	71.3	59.4

## BACKHOE ATTACHMENTS

Booms and arms of all-welded, box-section design. 7.60 m (24'11") boom, 2.90 m (9'6"), 3.50 m (11'6"), 4.10 m (13'5") and 5.20 m (17'1") arms are available. Bucket is of all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

## Buckets

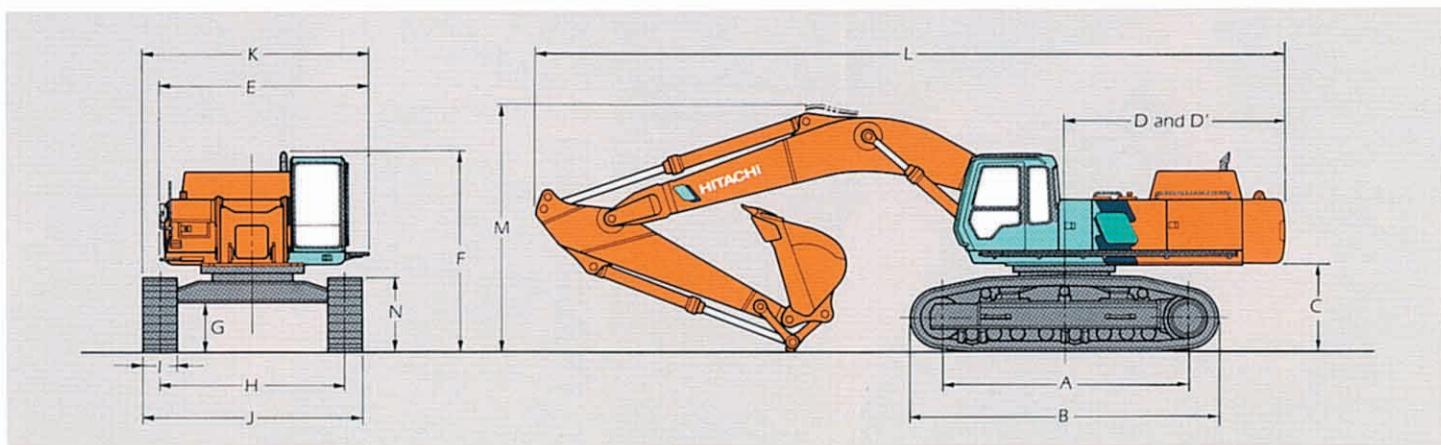
Capacity		Width		No. of teeth	Weight	Recommendation								BE-front			
						EX550		EX550LC		EX550H	EX550LCH	EX550 EX550LC		EX550H EX550LCH		2.90 m (9'6") BE-arm	
PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.90 m (9'6") arm	3.50 m (11'6") arm	4.10 m (13'5") arm	5.20 m (17'1") arm	2.90 m (9'6") arm	3.50 m (11'6") arm	4.10 m (13'5") arm	5.20 m (17'1") arm	3.50 m (11'6") H-arm	3.50 m (11'6") H-arm	2.90 m (9'6") BE-arm	2.90 m (9'6") BE-arm
1.82 m <sup>3</sup> (2.38 yd <sup>3</sup> )	1.60 m <sup>3</sup>	1 360 mm (4'6")	1 500 mm (4'11")	5	1 700 kg (3 750 lb)	—	—	—	◎	—	—	—	—	◎	—	—	—
2.00 m <sup>3</sup> (2.62 yd <sup>3</sup> )	1.80 m <sup>3</sup>	1 290 mm (4'3")	1 430 mm (4'8")	5	1 900 kg (4 190 lb)	◎	◎	◎	—	◎	◎	◎	—	◎	◎	—	—
2.26 m <sup>3</sup> (2.96 yd <sup>3</sup> )	2.00 m <sup>3</sup>	1 420 mm (4'8")	1 560 mm (5'1")	5	1 990 kg (4 390 lb)	◎	◎	□	—	◎	◎	◎	—	◎	◎	—	—
2.47 m <sup>3</sup> (3.23 yd <sup>3</sup> )	2.20 m <sup>3</sup>	1 530 mm (5'0")	1 670 mm (5'6")	5	2 070 kg (4 560 lb)	◎	□	—	—	◎	◎	□	—	□	□	—	—
2.72 m <sup>3</sup> (3.56 yd <sup>3</sup> )	2.40 m <sup>3</sup>	1 650 mm (5'5")	1 790 mm (5'10")	5	2 160 kg (4 760 lb)	□	—	—	—	◎	□	—	—	—	—	—	—
* 2.21 m <sup>3</sup> (2.89 yd <sup>3</sup> )	2.00 m <sup>3</sup>	1 410 mm (4'8")	1 430 mm (4'8")	5	2 450 kg (5 400 lb)	—	—	—	—	—	—	—	—	●	●	—	—
3.39 m <sup>3</sup> (4.43 yd <sup>3</sup> )	3.00 m <sup>3</sup>	1 800 mm (5'11")	1 940 mm (6'4")	5	2 660 kg (5 870 lb)	—	—	—	—	—	—	—	—	—	—	◎	◎
* 3.00 m <sup>3</sup> (3.92 yd <sup>3</sup> )	2.70 m <sup>3</sup>	1 590 mm (5'2")	1 610 mm (5'3")	5	2 820 kg (6 220 lb)	—	—	—	—	—	—	—	—	—	—	●	●

◎ Suitable for materials with density of 2 000 kg/m<sup>3</sup> (3 370 lb/yd<sup>3</sup>) or less  
 □ Suitable for materials with density of 1 100 kg/m<sup>3</sup> (1 850 lb/yd<sup>3</sup>) or less

● Heavy-duty service  
 — Not recommended

## EX550 / EX550LC

### DIMENSIONS

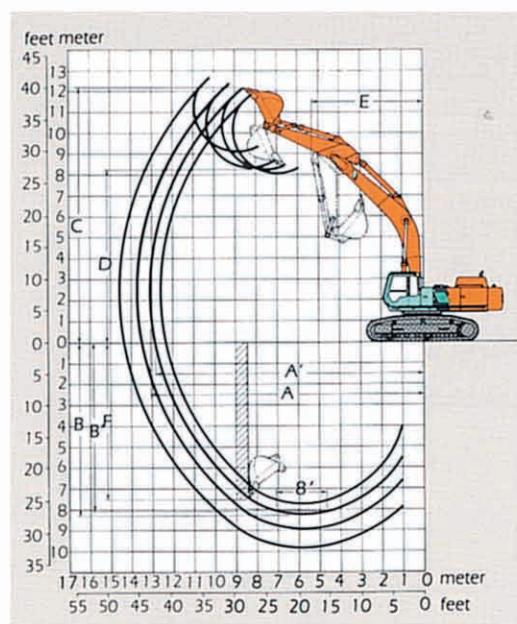


	<b>EX550</b>	<b>EX550LC</b>
A Distance between tumblers	4 250 mm (13'11")	4 600 mm (15'1")
B Undercarriage length	5 330 mm (17'6")	5 680 mm (18'8")
C Counterweight clearance	1 450 mm (4'9")	1 450 mm (4'9")
D Rear-end swing radius	3 800 mm (12'6")	3 800 mm (12'6")
E Overall width of upperstructure	3 800 mm (12'6")	3 800 mm (12'6")
F Overall height of muffler	3 630 mm (11'11")	3 630 mm (11'11")
G Min. ground clearance	3 370 mm (11'1")	3 370 mm (11'1")
H Track gauge	810 mm (2'8")	810 mm (2'8")
I Track shoe width	3 200 mm (10'6")	3 200 mm (10'6")
J Undercarriage width Extended / Retracted	G 600 mm (24")	G 750 mm (30")
K Overall width	3 800 mm (12'6") / 3 300 mm (10'10")	3 950 mm (13'0") / 3 450 mm (11'4")
L Overall length With 2.90 m (9'6") arm	3 930 mm (12'11")	3 950 mm (13'0")
With 3.50 m (11'6") arm	12 980 mm (42'7")	12 980 mm (42'7")
With 4.10 m (13'5") arm	12 900 mm (42'4")	12 900 mm (42'4")
With 5.20 m (17'1") arm	12 890 mm (42'3")	12 890 mm (42'3")
With 5.20 m (17'1") arm	12 590 mm (41'4")	12 590 mm (41'4")
M Overall height of boom With 2.90 m (9'6") arm	4 440 mm (14'7")	4 440 mm (14'7")
With 3.50 m (11'6") arm	4 240 mm (13'11")	4 240 mm (13'11")
With 4.10 m (13'5") arm	4 470 mm (14'8")	4 470 mm (14'8")
With 5.20 m (17'1") arm	5 330 mm (17'6")	5 330 mm (17'6")
N Track height	1 310 mm (4'4")	1 310 mm (4'4")

\* Excluding track shoe lug.

G: Triple grouser shoe

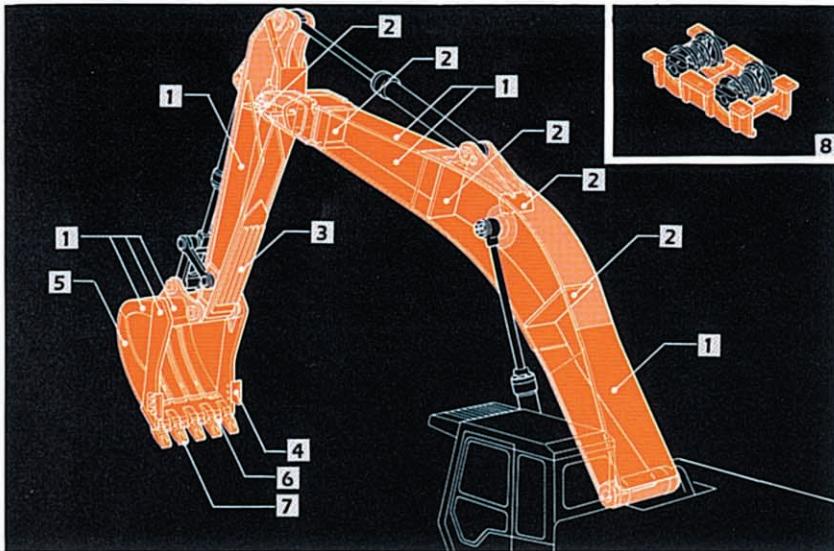
### WORKING RANGES



	<b>EX550 / EX550LC</b>			
<b>Arm length</b>	<b>2.90 m (9'6")</b>	<b>3.50 m (11'6")</b>	<b>4.10 m (13'5")</b>	<b>5.20 m (17'1")</b>
A Max. digging reach	12 500 mm (41'0")	13 050 mm (42'10")	13 570 mm (44'6")	14 450 mm (47'5")
A' Max. digging reach (on ground)	12 260 mm (40'3")	12 820 mm (42'1")	13 350 mm (43'10")	14 240 mm (46'9")
B Max. digging depth	7 700 mm (25'3")	8 300 mm (27'3")	8 890 mm (29'2")	9 810 mm (32'2")
B' Max. digging depth (8' level)	7 550 mm (24'9")	8 170 mm (26'10")	8 770 mm (28'9")	9 710 mm (31'10")
C Max. cutting height	11 900 mm (39'1")	12 190 mm (40'0")	12 360 mm (40'7")	12 670 mm (41'7")
D Max. dumping height	8 010 mm (26'3")	8 260 mm (27'1")	8 440 mm (27'8")	9 160 mm (30'1")
E Min. swing radius	5 420 mm (17'9")	5 260 mm (17'3")	5 240 mm (17'2")	5 270 mm (17'3")
F Max. vertical wall	6 800 mm (22'4")	7 530 mm (24'8")	8 110 mm (26'7")	8 900 mm (29'2")
Bucket digging force	250.1 kN (25 500 kgf, 56 200 lbf)	251.1 kN (25 600 kgf, 56 400 lbf)	251.1 kN (25 600 kgf, 56 400 lbf)	223.6 kN (22 800 kgf, 50 300 lbf)
Arm digging force	256.9 kN (26 200 kgf, 57 800 lbf)	208.9 kN (21 300 kgf, 47 000 lbf)	189.3 kN (19 300 kgf, 42 600 lbf)	168.7 kN (17 200 kgf, 38 000 lbf)

Excluding track shoe lug.

## EX550H / EX550LCH



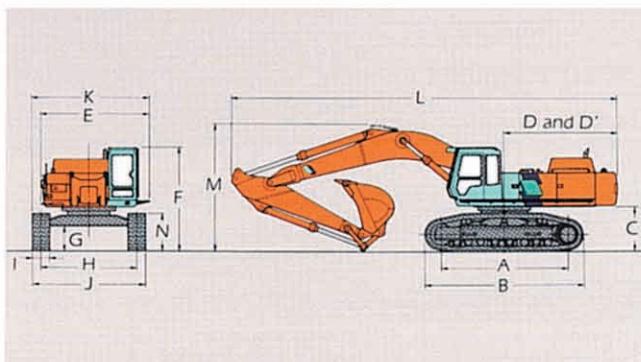
### Heavy-duty type

- Headguard-integrated cab (with pressurizer kit)
- H-boom 7.60 m (24'11")
- H-arm 3.50 m (11'6")
- 2.21 m<sup>3</sup> (2.88 yd<sup>3</sup>: PCSA heaped) rock bucket
- H-track guard
- Reinforced undercover for upperstructure

- 1** Increased plate thickness
- 2** Bulkheads
- 3** Denting preventing plate
- 4** Side shroud
- 5** Additional wear plate
- 6** Cutting-edge shroud
- 7** Unitary vertalok teeth
- 8** H-track guard

Show the reinforced portions of the standard model. (except **2**)

## DIMENSIONS

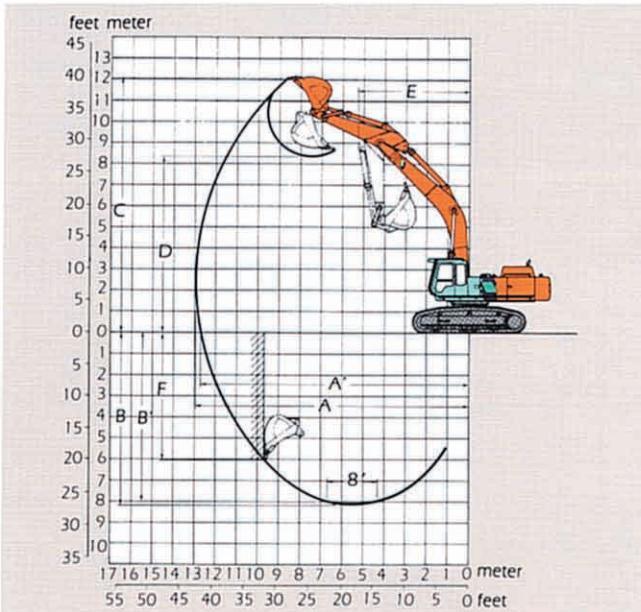


	EX550H	EX550LCH
A Distance between tumblers	4 250 mm (13'11")	4 600 mm (15'1")
B Undercarriage length	5 330 mm (17'6")	5 680 mm (18'8")
*C Counterweight clearance	1 450 mm (4'9")	1 450 mm (4'9")
D Rear-end swing radius	3 800 mm (12'6")	3 800 mm (12'6")
D* Rear-end length	3 800 mm (12'6")	3 800 mm (12'6")
E Overall width of upperstructure	3 630 mm (11'11")	3 630 mm (11'11")
*F Overall height of cab	3 490 mm (11'5")	3 490 mm (11'5")
*G Min. ground clearance	810 mm (2'8")	810 mm (2'8")
H Track gauge	3 200 mm (10'6")	3 200 mm (10'6")
I Track shoe width	G 600 mm (24")	G 600 mm (24")
J Undercarriage width Extended / Retracted	3 800 mm (12'6")/ 3 300 mm (10'10")	3 800 mm (12'6")/ 3 300 mm (10'10")
K Overall width	3 930 mm (12'11")	3 930 mm (12'11")
*L Overall length With 3.50 m (11'6") H-arm	12 900 mm (42'4")	12 900 mm (42'4")
M Overall height of boom With 3.50 m (11'6") H-arm	4 240 mm (13'11")	4 240 mm (13'11")
N Track height	1 310 mm (4'4")	1 310 mm (4'4")

\* Excluding track shoe lug.

G: Triple grouser shoe.

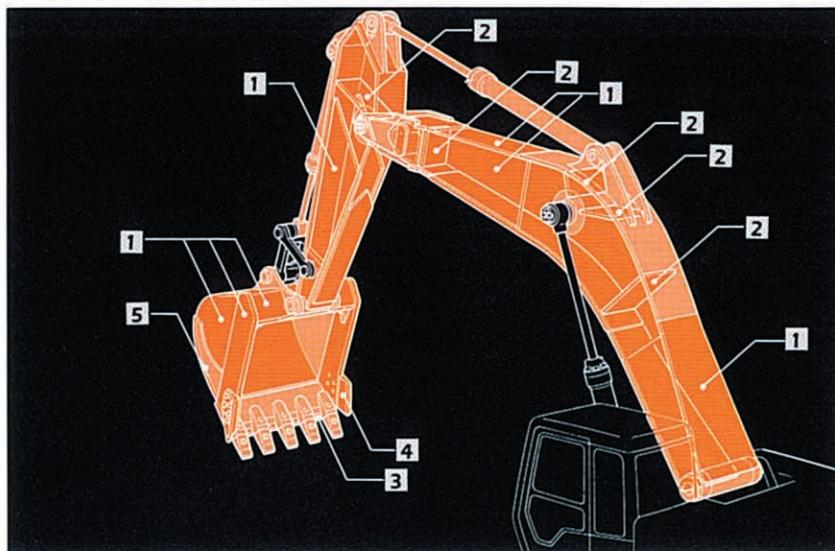
## WORKING RANGES



	EX550H / EX550LCH
<b>Boom length</b>	<b>7.60 m (24'11") H-boom</b>
<b>Arm length</b>	<b>3.50 m (11'6") H-arm</b>
A Max. digging reach	12 980 mm (42'7")
A* Max. digging reach (on ground)	12 750 mm (41'10")
B Max. digging depth	8 230 mm (27'0")
B' Max. digging depth (B' level)	8 100 mm (26'7")
C Max. cutting height	12 020 mm (39'5")
D Max. dumping height	8 330 mm (27'4")
E Min. swing radius	5 260 mm (17'3")
F Max. vertical wall	6 060 mm (19'11")
Bucket digging force	260.9 kN (26 600 kgf, 58 700 lbf)
Arm digging force	213.8 kN (21 800 kgf, 48 100 lbf)

Excluding track shoe lug.

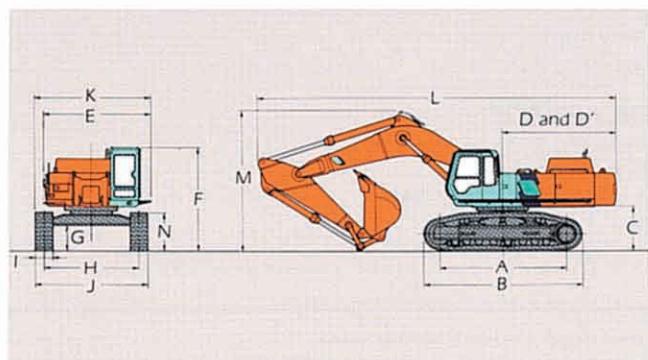
## EX550 / EX550LC with BE-front



- 1** Increased plate thickness
- 2** Bulkheads
- 3** Cutting-edge shroud
- 4** Side shroud
- 5** Additional wear plate (For rock bucket)

Show the reinforced portions of the standard model. (except **2**)

## DIMENSIONS

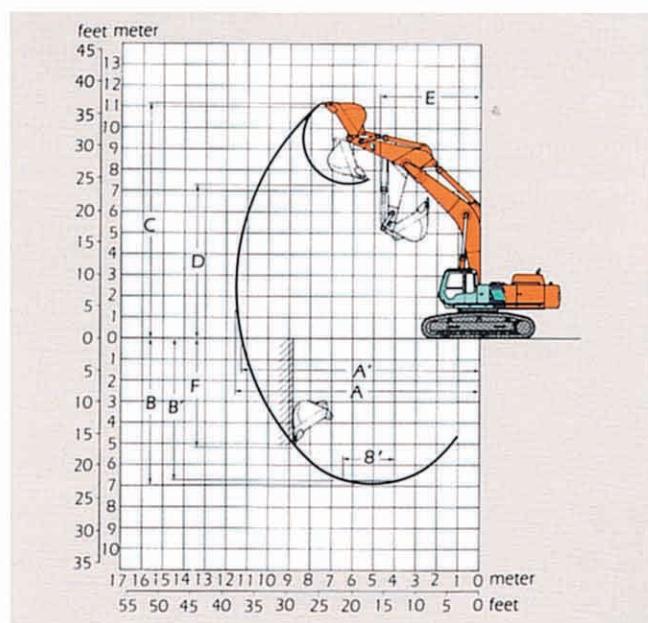


	<b>EX550</b>	<b>EX550LC</b>
A Distance between tumblers	4 250 mm (13'11")	4 600 mm (15'1")
B Undercarriage length	5 330 mm (17'6")	5 680 mm (18'8")
*C Counterweight clearance	1 450 mm (4'9")	1 450 mm (4'9")
D Rear-end swing radius	3 800 mm (12'6")	3 800 mm (12'6")
D'	3 800 mm (12'6")	3 800 mm (12'6")
E Overall width of upperstructure	3 630 mm (11'11")	3 630 mm (11'11")
F Overall height of cab	3 370 mm (11'1")	3 370 mm (11'1")
G Min. ground clearance	810 mm (2'8")	810 mm (2'8")
H Track gauge	3 200 mm (10'6")	3 200 mm (10'6")
I Track shoe width	G 600 mm (24")	G 750 mm (30")
J Undercarriage width Extended / Retracted	3 800 mm (12'6") / 3 300 mm (10'10")	3 950 mm (13'0") / 3 450 mm (11'4")
K Overall width	3 930 mm (12'11")	3 950 mm (13'0")
L Overall length With 2.90 m (9'6") arm	11 990 mm (39'4")	11 990 mm (39'4")
M Overall height of boom With 2.90 m (9'6") arm	4 690 mm (15'5")	4 690 mm (15'5")
N Track height	1 310 mm (4'4")	1 310 mm (4'4")

\* Excluding track shoe lug.

G: Triple grouser shoe.

## WORKING RANGES



	<b>EX550 / EX550LC</b>
<b>Boom length</b>	<b>6.60 m (21'8") BE-boom</b>
<b>Arm length</b>	<b>2.90 m (9'6") BE-arm</b>
A Max. digging reach	11 510 mm (37'9")
A' Max. digging reach (on ground)	11 240 mm (36'11")
B Max. digging depth	6 910 mm (22'8")
B' Max. digging depth (8' level)	6 760 mm (22'2")
C Max. cutting height	11 040 mm (36'3")
D Max. dumping height	7 200 mm (23'7")
E Min. swing radius	4 720 mm (15'6")
F Max. vertical wall	5 170 mm (17'0")
Bucket digging force	281.5 kN (28 700 kgf, 63 300 lbf)
Arm digging force	254.0 kN (25 900 kgf, 57 100 lbf)

Excluding track shoe lug.



## STANDARD EQUIPMENT

Standard equipment may vary by country, so please consult your Hitachi dealer for details.

### ENGINE

- 75 A alternator
- Dry-type air filter with evacuator valve
- Cartridge-type engine oil filter
- Cartridge type engine oil bypass filter
- Cartridge type fuel filter
- Radiator and oil cooler with dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idling system

### HYDRAULIC SYSTEM

- ETS
- E-P control system [power mode selector]
- OHS
- FPS
- Hydraulic warm-up control system for hydraulic oil
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Swing cushion valve in swing circuit
- Accumulator in pilot circuit (except North America)
- Control valve with main relief valve

- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter

### CAB

All-weather sound-suppressed steel cab equipped with reinforced, tinted [bronze color] glass windows, openable front windows-upper, with assist spring, and lower and both side windows with intermittent windshield wipers, front window washer, curved rear window, side mirror (North America only), adjustable suspension seat with armrests, footrest, electric double horn, auto-tuning radio with digital clock, or without digital clock in North America, auto-idle switch, seat belt, cigarette lighter (except North America), ashtray, parcel pocket, rear tray, floor mat, and pilot control shut-off lever, travel alarm with cancel switch (North America only).

### MONITOR SYSTEM

- Meters:  
Hourmeter, engine coolant temperature gauge and fuel meter.

- Warning lamps:  
Alternator charge, engine oil pressure, engine overheat, air cleaner clog and minimum fuel level.

- Pilot lamps:  
Engine preheat, engine oil level, engine coolant level and hydraulic oil level.
- Alarm buzzers:  
Engine oil pressure and engine overheat

### LIGHTS

- 3 working lights and 1 cab light

### UPPERSTRUCTURE

- Undercover
- 10 000 kg (22 100 lb) counter-weight
- Fuel level gauge
- Hydraulic oil level gauge
- Tool box
- Utility space
- Rearview mirror
- Swing parking brake

### UNDERCARRIAGE

- Travel parking brake
- Travel motor covers
- Track guards and hydraulic track adjuster

- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 600 mm (24") triple grouser shoes

### FRONT ATTACHMENTS

- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dirt seals on all bucket pins
- 3.50 m (11'6") arm
- 2.26 m<sup>3</sup> (2.94 yd<sup>3</sup>: PCSA heaped) bucket

### MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- Fuel filling cap
- Skid-resistant tapes, left sidewalk and handrails.



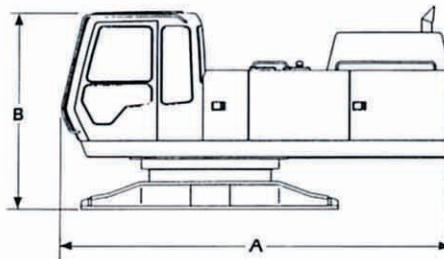
## OPTIONAL EQUIPMENT

Optional equipment may vary by country, so please consult your Hitachi dealer for details.

- 750 mm (30") triple grouser shoes
- 900 mm (35") triple grouser shoes
- Full track guard
- Air conditioner
- Electric grease gun with hose reel

- Hose rupture valve
- Swing alarm with lamps
- Travel alarm with cancel switch
- Ladder
- Right sidewalk
- Electric fuel refilling pump

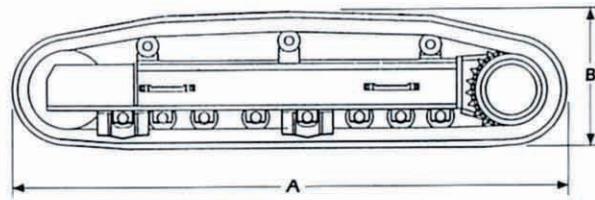
- Headguard-integrated cab (with pressurizer kit)
- H-boom 7.60 m (24'11")
- H-arm 3.50 m (11'6")
- 2.21 m<sup>3</sup> (2.88 yd<sup>3</sup>: PCSA heaped) rock bucket
- H-track guard
- Reinforced undercover for upperstructure



#### Upperstructure

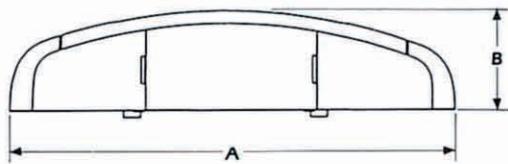
	<b>A</b>	<b>B</b>	<b>Overall width</b>	<b>Weight</b>
EX550	4 950 mm (16'3")	2 550 mm (8'4")	3 290 mm (10'10")	16 600 kg (36 600 lb)
EX550LC				
EX550H*	5 000 mm (16'5")	2 650 mm (8'8")	3 290 mm (10'10")	16 900 kg (37 300 lb)
EX550LCH*				

\* With Headguard-integrated cab.



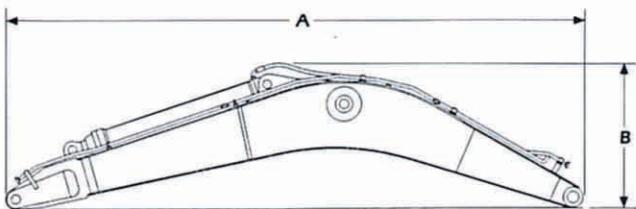
#### Side frame

	<b>Shoe width</b>	<b>A</b>	<b>B</b>	<b>Overall width</b>	<b>Weight</b>
EX550	600 mm (24")	5 330 mm (17'6")	1 310 mm (4'4")	720 mm (2'4")	7 600 kg (16 800 lb)
	750 mm (30")	5 330 mm (17'6")	1 310 mm (4'4")	750 mm (2'6")	8 000 kg (17 600 lb)
	900 mm (35")	5 330 mm (17'6")	1 310 mm (4'4")	900 mm (2'11")	8 370 kg (18 500 lb)
EX550LC	600 mm (24")	5 680 mm (18'8")	1 310 mm (4'4")	720 mm (2'4")	8 100 kg (17 900 lb)
	750 mm (30")	5 680 mm (18'8")	1 310 mm (4'4")	750 mm (2'6")	8 500 kg (18 700 lb)
	900 mm (35")	5 680 mm (18'8")	1 310 mm (4'4")	900 mm (2'11")	8 880 kg (19 600 lb)
EX550H	600 mm (24")	5 330 mm (17'6")	1 310 mm (4'4")	720 mm (2'4")	7 700 kg (17 000 lb)
EX550LCH	600 mm (24")	5 680 mm (18'8")	1 310 mm (4'4")	720 mm (2'4")	8 100 kg (17 900 lb)



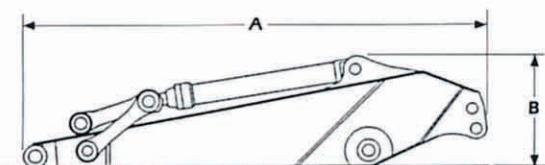
#### Counterweight

<b>A</b>	<b>B</b>	<b>Overall height</b>	<b>Weight</b>
3 160 mm (10'4")	790 mm (2'7")	1 250 mm (4'1")	10 000 kg (22 100 lb)



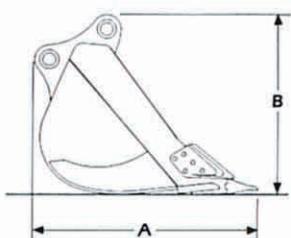
#### Boom

	A	B	Overall width	Weight
6.60 m [21'8"] BE-boom	6 880 mm (22'7")	2 320 mm (7'7")	1 180 mm (3'10")	5 250 kg (11 600 lb)
7.60 m [24'11"]	7 880 mm (25'10")	2 020 mm (6'8")	1 180 mm (3'10")	5 250 kg (11 600 lb)
7.60 m [24'11"] H-boom	7 880 mm (25'10")	2 020 mm (6'8")	1 180 mm (3'10")	5 600 kg (12 300 lb)



#### Arm

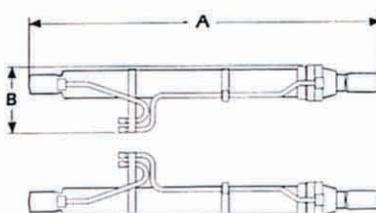
	A	B	Overall width	Weight
2.90 m [9'6"] BE-arm	4 290 mm (14'1")	1 440 mm (4'9")	790 mm (2'7")	3 210 kg (7 080 lb)
2.90 m [9'6"]	4 290 mm (14'1")	1 440 mm (4'9")	790 mm (2'7")	3 160 kg (6 970 lb)
3.50 m [11'6"]	4 880 mm (16'0")	1 200 mm (3'11")	790 mm (2'7")	2 970 kg (6 550 lb)
3.50 m [11'6"] H-arm	4 880 mm (16'0")	1 200 mm (3'11")	790 mm (2'7")	3 140 kg (6 920 lb)
4.10 m [13'5"]	5 450 mm (17'11")	1 200 mm (3'11")	790 mm (2'7")	3 220 kg (7 000 lb)
5.20 m [17'1"]	6 540 mm (21'5")	1 140 mm (3'9")	790 mm (2'7")	3 110 kg (6 860 lb)



#### Bucket

Capacity		A	B	Overall width	Weight
PCSA heaped	CECE heaped				
1.82 m <sup>3</sup> (2.38 yd <sup>3</sup> )	1.60 m <sup>3</sup>	2 010 mm (6'7")	1 570 mm (5'2")	1 500 mm (4'11")	1 700 kg (3 750 lb)
2.00 m <sup>3</sup> (2.62 yd <sup>3</sup> )	1.80 m <sup>3</sup>	2 140 mm (7'0")	1 750 mm (5'9")	1 430 mm (4'8")	1 900 kg (4 190 lb)
2.26 m <sup>3</sup> (2.96 yd <sup>3</sup> )	2.00 m <sup>3</sup>	2 140 mm (7'0")	1 750 mm (5'9")	1 560 mm (5'1")	1 990 kg (4 390 lb)
2.47 m <sup>3</sup> (3.23 yd <sup>3</sup> )	2.20 m <sup>3</sup>	2 140 mm (7'0")	1 750 mm (5'9")	1 670 mm (5'6")	2 070 kg (4 560 lb)
2.72 m <sup>3</sup> (3.56 yd <sup>3</sup> )	2.40 m <sup>3</sup>	2 140 mm (7'0")	1 750 mm (5'9")	1 790 mm (5'10")	2 160 kg (4 760 lb)
*2.21 m <sup>3</sup> (2.89 yd <sup>3</sup> )	2.00 m <sup>3</sup>	2 150 mm (7'1")	1 840 mm (6'0")	1 430 mm (4'8")	2 450 kg (5 400 lb)
3.39 m <sup>3</sup> (4.43 yd <sup>3</sup> )	3.00 m <sup>3</sup>	2 160 mm (7'1")	1 840 mm (6'0")	1 940 mm (6'4")	2 660 kg (5 870 lb)
*3.00 m <sup>3</sup> (3.92 yd <sup>3</sup> )	2.70 m <sup>3</sup>	2 240 mm (7'4")	1 900 mm (6'3")	1 610 mm (5'3")	2 820 kg (6 220 lb)

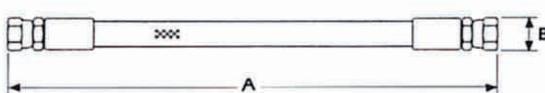
\* Rock bucket



#### Boom cylinders

520 kg (1 150 lb) × 2

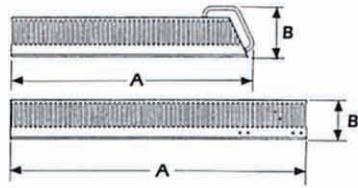
A	B	Overall height
2 660 mm (8'9")	520 mm (1'8")	360 mm (1'2")



#### Hose of Boom cylinders

3 kg (7 lb) × 4

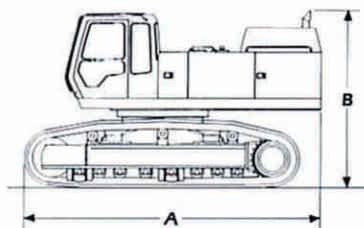
A	B	Overall height
1 120 mm (3'8")	90 mm (3.5")	90 mm (3.5")



#### Left sidewalk

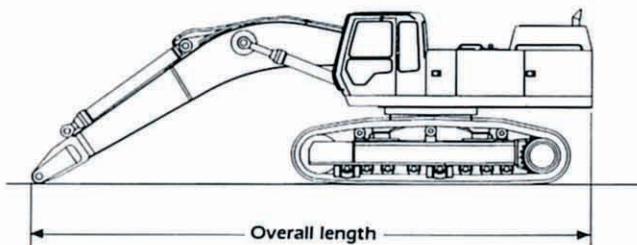
	A	B	Overall height	Weight
Front	1 970 mm (6'6")	430 mm (1'5")	130 mm (5.1")	18 kg (40 lb)
Reverse	2 410 mm (7'11")	340 mm (1'1")	130 mm (5.1")	20 kg (44 lb)

#### Basic machine (without counterweight)



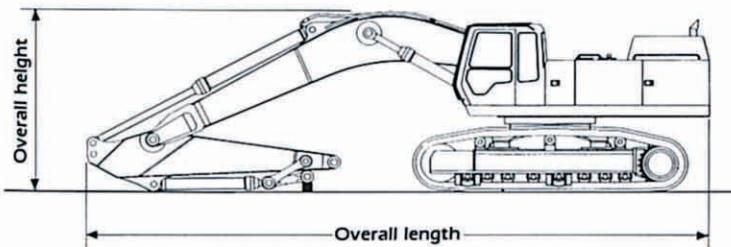
	Shoe width	A	B	Overall width	Weight
EX550	600 mm (24")	5 730 mm (18'10")	3 390 mm (11'1")	3 390 mm (11'1")	31 800 kg (70 100 lb)
	750 mm (30")	5 730 mm (18'10")	3 390 mm (11'1")	3 450 mm (11'4")	32 600 kg (71 190 lb)
	900 mm (35")	5 730 mm (18'10")	3 390 mm (11'1")	3 600 mm (11'10")	33 300 kg (73 400 lb)
EX550LC	600 mm (24")	5 900 mm (19'4")	3 390 mm (11'1")	3 390 mm (11'1")	32 800 kg (72 300 lb)
	750 mm (30")	5 900 mm (19'4")	3 390 mm (11'1")	3 450 mm (11'4")	33 600 kg (74 100 lb)
	900 mm (35")	5 900 mm (19'4")	3 390 mm (11'1")	3 600 mm (11'10")	34 400 kg (75 900 lb)
EX550H	600 mm (24")	5 730 mm (18'10")	3 490 mm* (11'5")	3 390 mm (11'1")	32 300 kg (71 200 lb)
EX550LCH	600 mm (24")	5 900 mm (19'4")	3 490 mm* (11'5")	3 390 mm (11'1")	33 100 kg (73 000 lb)

\* With Headguard-integrated cab.



#### Basic machine (with boom)

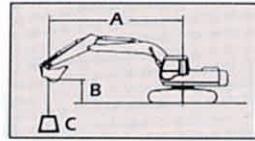
	Boom length	Overall length
EX550 (H) EX550LC (H)	7.60 m (24'11") 7.60 m (24'11") H-boom	10 630 mm (34'11")
EX550 EX550LC	6.60 m (21'8") BE-boom	9 570 mm (31'5")



#### Basic machine (with boom and arm)

	Front	Overall height	Overall length
EX550(LC)	7.60 m (24'11") boom & 3.50 m (11'6") arm 7.60 m (24'11") H-boom & 3.50 m (11'6") H-arm	3 600 mm (11'10")	11 980 mm (39'4")

# LIFTING CAPACITIES



A: Load radius  
B: Load point height  
C: Lifting capacity

## METRIC MEASURE

### EX550

Rating over-side or 360 degrees    Rating over-front    Unit: 1 000 kg

Conditions	Load point height	Load radius														At max. reach					
		4 m		6 m		7 m		8 m		9 m		10 m		12 m							
Boom 7.60 m Arm 2.90 m Bucket PCSA 2.47 m <sup>3</sup> Shoes 600 mm	9 m							*8.33	*8.33							*7.17	*7.17	9.97			
	8 m							*8.73	*8.73							7.56	*7.63				
	6 m							*8.84	*8.84							6.54	*7.02	10.6			
	4 m							*9.50	*9.50							6.54	*7.47				
	2 m							*10.2	*10.2	*9.33	*9.33	8.66	*8.72			5.34	*6.97	11.5			
	0 (Ground)							*11.0	*11.0	*10.0	*10.0	8.66	*9.39			4.76	6.77				
	-2 m							*12.1	*12.1	10.1	*10.5	8.17	*9.44	6.68	*8.66	4.76	6.77	11.9			
	-4 m							12.6	*13.0	10.1	*11.3	8.17	*10.2	6.68	9.28	4.59	6.60				
	-6 m							11.5	*13.9	9.29	*11.8	7.64	*10.3	6.33	8.91	4.59	6.60	11.9			
	-8 m							11.5	*15.0	9.29	*12.7	7.64	10.7	6.33	8.91	4.82	6.93				
Boom 7.60 m Arm 3.50 m Bucket PCSA 2.26 m <sup>3</sup> Shoes 600 mm	0 (Ground)							10.9	*14.7	8.79	*12.4	7.25	10.3	6.07	8.63	4.82	6.93	11.5			
	-2 m							10.9	15.4	8.79	12.4	7.25	10.3	6.07	8.63	5.60	*7.30				
	-4 m							13.9	*16.4	10.7	*14.1	8.62	*12.1	7.12	10.1	6.01	8.57	5.60			
	-6 m							13.9	*17.6	10.7	*15.1	8.62	12.2	7.12	10.1	6.01	8.57	*7.93			
	-8 m							*16.6	*16.6	*13.9	*13.9	8.79	*10.3	7.33	*8.47		*6.36	*6.36			
	-10 m							*17.9	*17.9	14.2	*15.0	10.9	*13.1	8.79	*11.2	7.33	*9.19	*6.96	*6.96		
	-12 m							*9.11	*9.11	*7.47	*7.47							9.12			
	-14 m							*9.92	*9.92	*8.17	*8.17										
	-16 m																				
	-18 m																				
Boom 7.60 m Arm 4.10 m Bucket PCSA 2.00 m <sup>3</sup> Shoes 600 mm	0 (Ground)															*4.14	*4.14	11.2			
	-2 m															4.46	*4.46				
	-4 m															4.12	*4.12				
	-6 m															4.43	*4.43	12.1			
	-8 m															4.28	*4.28				
	-10 m															4.52	*4.60	12.4			
	-12 m															4.37	*4.63				
	-14 m															4.55	*5.24				
	-16 m															4.55	*5.61	12.0			
	-18 m															5.18	*6.26				
	-20 m															5.18	*6.68	11.2			
Boom 7.60 m Arm 4.10 m Bucket PCSA 2.00 m <sup>3</sup> Shoes 600 mm	-2 m															6.66	*6.68				
	-4 m															*6.66	*7.28	9.87			
	-6 m																				
	-8 m																				
	-10 m																				
	-12 m																				
	-14 m																				
	-16 m																				
	-18 m																				
	-20 m																				
Boom 7.60 m Arm 5.20 m Bucket PCSA 1.82 m <sup>3</sup> Shoes 600 mm	0 (Ground)															*3.44	*3.44	11.3			
	-2 m															3.73	*3.73				
	-4 m															3.37	*3.37				
	-6 m															3.65	*3.65	11.8			
	-8 m															3.35	*3.35				
	-10 m															3.64	*3.64	12.6			
	-12 m															3.50	*3.50				
	-14 m															3.79	*3.79				
	-16 m															3.81	*3.81				
	-18 m															3.99	*4.12	13.0			
Boom 7.60 m Arm 5.20 m Bucket PCSA 1.82 m <sup>3</sup> Shoes 600 mm	-20 m															4.12	*4.34				
	-22 m															4.64	*5.21	11.8			
	-24 m															4.64	*5.59				
	-26 m															5.81	*6.59				
	-28 m															5.81	*7.18	10.5			
	-30 m															*5.28	*5.28				
	-32 m															*5.82	*5.82	8.48			
	-34 m																				
	-36 m																				
	-38 m																				
Boom 7.60 m Arm 5.20 m Bucket PCSA 1.82 m <sup>3</sup> Shoes 600 mm	-40 m															*3.16	*3.16	11.7			
	-42 m															*3.43	*3.43				
	-44 m															*3.25	*3.25				
	-46 m															3.25	*3.25	13.5			
	-48 m															3.34	*3.34				
	-50 m															3.34	*3.34				
	-52 m															3.32	*3.32				
	-54 m															3.60	*3.60				
	-56 m															3.73	*3.73				
	-58 m															3.82	*4.03				
Boom 7.60 m Arm 5.20 m Bucket PCSA 1.82 m <sup>3</sup> Shoes 600 mm	-60 m															4.17	*4.39				
	-62 m															4.17	*4.72				
	-64 m															4.96	*5.52				
	-66 m															4.96	*5.90	11.7			
	-68 m															*6.11	*6.11				
	-70 m															*6.67	*6.67				
	-72 m																				
	-74 m																				
	-76 m																				
	-78 m																				
Boom 7.60 m Arm 5.20 m Bucket PCSA 1.82 m <sup>3</sup> Shoes 600 mm	-80 m																				
	-82 m																				
	-84 m																				
	-86 m																				
	-88 m																				
	-90 m																				
	-92 m																				
	-94 m																				
	-96 m																				
	-98 m																				
Boom 7.60 m Arm 5.20 m Bucket PCSA 1.82 m <sup>3</sup> Shoes 600 mm	-100 m																				
	-102 m	</td																			

## METRIC MEASURE

### EX550LC

Rating over-side or 360 degrees

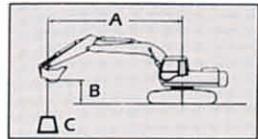
Rating over-front

Unit: 1 000 kg

Conditions	Load point height	Load radius												At max. reach				
		4 m		6 m		7 m		8 m		9 m		10 m		12 m				
Boom 7.60 m Arm 2.90 m Bucket PCSA 2.72 m <sup>3</sup> Shoes 750 mm	9 m							*8.33	*8.33							*7.10	*7.10	9.97
	8 m							*8.74	*8.74							*7.56	*7.56	
	6 m							*8.77	*8.77							6.74	*6.95	
	4 m							*9.43	*9.43							6.74	*7.40	10.6
	2 m							*10.2	*10.2	*9.26	*9.26	*8.65				5.51	*6.91	
	0 (Ground)							*10.9	*10.9	*9.96	*9.96	*8.92	*9.32			5.51	*7.36	11.5
	-2 m							11.9	*13.9	9.61	*11.7	7.90	*10.2	6.55		4.92	*7.14	11.9
	-4 m							11.9	*14.9	9.61	*12.6	7.90	*11.0	6.55		4.76	*7.42	11.9
	-6 m							11.2	*14.6	9.10	*12.3	7.51	*10.6	6.29		5.00	*7.43	
								11.2	*15.7	9.10	*13.3	7.51	*11.5	6.29		5.00	*8.07	11.5
Boom 7.60 m Arm 3.50 m Bucket PCSA 2.47 m <sup>3</sup> Shoes 750 mm	8 m															*4.08	*4.08	
	6 m															*4.39	*4.39	
	4 m															*4.05	*4.05	
	2 m															*4.37	*4.37	12.1
	0 (Ground)															*4.21	*4.21	
	-2 m															*4.54	*4.54	12.4
	-4 m															4.53	*4.57	
	-6 m															4.72	*5.18	
																5.37	*6.20	
																5.37	*6.62	11.2
Boom 7.60 m Arm 4.10 m Bucket PCSA 2.26 m <sup>3</sup> Shoes 750 mm	9 m															*3.37	*3.37	
	8 m															*3.66	*3.66	
	6 m															*3.29	*3.29	
	4 m															*3.58	*3.58	11.8
	2 m															*3.28	*3.28	
	0 (Ground)															*3.57	*3.57	12.6
	-2 m															*3.43	*3.43	
	-4 m															*3.72	*3.72	
	-6 m															*3.74	*3.74	13.0
																*4.05	*4.05	
Boom 7.60 m Arm 5.20 m Bucket PCSA 1.82 m <sup>3</sup> Shoes 750 mm	9 m															*4.27	*4.27	
	8 m															4.28	*4.60	
	6 m															4.80	*5.15	
	4 m															4.80	*5.52	
	2 m															6.01	*6.51	
	0 (Ground)															6.01	*7.10	10.5
	-2 m															5.20	*5.20	
	-4 m															5.74	*5.74	8.48
	-6 m																	
Boom 7.60 m Arm 5.20 m Bucket PCSA 1.82 m <sup>3</sup> Shoes 750 mm	10 m															*3.16	*3.16	11.7
	8 m															*3.43	*3.43	
	6 m															*2.99	*2.99	
	4 m															*3.25	*3.25	12.8
	2 m															*3.23	*3.23	
	0 (Ground)															*3.28	*3.28	13.5
	-2 m															*3.34	*3.34	
	-4 m															*3.34	*3.34	
	-6 m															*3.32	*3.32	
																*3.60	*3.60	

with heavy-lifting system

- Notes: 1. Ratings are based on SAE J1097.  
 2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.  
 3. The load point is a hook (not standard equipment) loaded on the back of the bucket.  
 4. \*Indicates load limited by hydraulic capacity.



A: Load radius  
B: Load point height  
C: Lifting capacity

## METRIC MEASURE

### EX550/EX550LC with BE-front

Rating over-side or 360 degrees

Rating over-front

Unit: 1 000 kg

Conditions	Load point height	Load radius												At max. reach				
		4 m		6 m		7 m		8 m		9 m		10 m		12 m			@ m	
EX550 Boom 6.60 m BE-boom Arm 2.90 m BE-arm Bucket PCSA 3.39 m <sup>3</sup> Shoes 600 mm	8 m					*9.93	*9.93									*5.99	*5.99	9.50
	6 m					*10.6	*10.6									*6.42	*6.42	
	4 m			*13.8	*13.8	*11.9	*11.9	10.3	*10.6	8.23	*9.72					5.62	*6.13	10.9
				*14.8	*14.8	*12.8	*12.8	10.3	*11.4	8.23	*10.5					5.62	*6.56	
	2 m			15.6	*16.7	12.1	*13.8	9.64	*11.8	7.79	*10.4					5.41	*6.68	
	0 (Ground)			15.6	*17.9	12.1	*14.8	9.64	*12.7	7.79	10.9					5.41	*7.15	10.9
	-2 m			14.6	*17.9	11.4	*14.8	9.12	*12.5	7.45	10.5					5.76	*7.70	10.4
				14.6	*19.2	11.4	*15.8	9.12	12.8	7.45	10.5					5.76	*8.20	
	-4 m			*23.4	*23.4	14.4	*16.9	11.2	*14.2	8.94	*11.9	7.37	*9.83			6.96	*8.01	
				*25.1	*25.1	14.4	*18.2	11.2	*15.2	8.94	12.6	7.37	10.4			6.96	*8.70	9.45
	-5 m			*18.1	*18.1	*13.7	*13.7	*11.3	*11.3									
				*19.5	*19.5	*14.7	*14.7	11.4	*12.2									
						*10.5	*10.5											
						*11.4	*11.4											
EX550LC Boom 6.60 m BE-boom Arm 2.90 m BE-arm Bucket PCSA 3.39 m <sup>3</sup> Shoes 750 mm	8 m					*9.93	*9.93									*5.99	*5.99	9.50
	6 m					*10.6	*10.6									*6.42	*6.42	
	4 m			*13.8	*13.8	*11.9	*11.9	*10.6	*10.6	8.55	*9.72					*5.87	*6.13	10.9
				*14.8	*14.8	*12.8	*12.8	10.7	*11.4	8.55	*10.5					5.87	*6.56	
	2 m			16.1	*16.7	12.5	*13.8	10.0	*11.8	8.11	*10.4					5.67	*6.68	
	0 (Ground)			16.1	*17.9	12.5	*14.8	10.0	*12.7	8.11	*11.2					5.67	*7.15	10.9
	-2 m			15.2	*19.2	11.8	*15.8	9.50	*13.4	7.77	*10.7					6.03	*7.70	
				15.2	*19.2	11.8	*15.8	9.50	*13.4	7.77	*11.5					6.03	*8.21	10.4
	-4 m			*23.4	*23.4	15.0	*16.9	11.6	*14.2	9.31	*11.9	7.69	*9.83			7.26	*8.01	
				*25.1	*25.1	15.0	*18.2	11.6	*15.2	9.31	*12.8	7.69	*10.6			7.26	*8.70	9.45
	-5 m			*18.1	*18.1	*13.7	*13.7	*11.3	*11.3									
				*19.5	*19.5	*14.7	*14.7	11.8	*12.2									
						*10.5	*10.5											
						*11.4	*11.4											

### EX550H

Unit: 1 000 kg

Conditions	Load point height	Load radius												At max. reach				
		4 m		6 m		7 m		8 m		9 m		10 m		12 m			@ m	
Boom 7.60 m H-boom Arm 3.50 m H-arm Bucket PCSA 2.21 m <sup>3</sup> Rock bucket Shoes 600 mm	8 m									*7.37	*7.37					*3.65	*3.65	11.4
	6 m									*7.97	*7.97					*3.96	*3.96	
	4 m			*13.4	*13.4	*11.2	*11.2	*9.67	*9.67	8.06	8.61	6.53	*7.85			*3.81	*3.81	12.5
				*14.4	*14.4	*12.0	*12.0	10.0	*10.4	8.06	*9.32	6.53	*8.51			4.00	*4.13	
	2 m			14.5	*16.4	11.4	*13.2	9.17	*11.1	7.46	*9.59	6.11	*8.50			3.86	*4.17	12.5
	0 (Ground)			14.1	*17.6	11.4	*14.2	9.17	*11.9	7.46	*10.4	6.11	8.71			3.86	*4.51	
	-2 m			13.7	*17.3	10.7	*14.2	8.57	*11.9	7.00	10.0	5.78	8.36			4.06	*4.79	12.1
				13.7	*18.6	10.7	15.2	8.57	12.2	7.00	10.0	5.78	8.36			4.06	*5.16	
	-4 m			*10.7	*10.7	13.5	*16.5	10.4	*13.9	8.32	*11.8	6.79	9.80	5.64	8.21	4.71	*5.82	11.2
				*11.4	13.5	*17.7	10.4	15.0	8.32	11.9	6.79	9.80	5.64	8.21		4.71	*6.24	
	-6 m			*18.4	*18.4	13.8	*14.3	10.5	*12.3	8.39	*10.5	6.88	*8.82			*5.96	*5.96	
				*19.4	*19.4	13.8	*15.5	10.5	*13.3	8.39	*11.4	6.88	*9.59			6.25	*6.36	9.84
						*10.2	*10.2	*8.65	*8.65	*6.78	*6.78							
						*11.1	*11.1	*9.43	*9.43	*7.44	*7.44							

with heavy-lifting system

Notes: 1. Ratings are based on SAE J1097.

2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (not standard equipment) loaded on the back of the bucket.

4. \*Indicates load limited by hydraulic capacity.

# ENGLISH MEASURE

## EX550LC

Rating over-side or 360 degrees

Rating over-front

Unit: 1 000 lb

Conditions	Load point height	Load radius										At max. reach			
		10 ft		15 ft		20 ft		25 ft		30 ft		35 ft		40 ft	
Boom 24'11" (7.60 m) Arm 9'6" (2.90 m) Bucket PCSA 3.54 yd <sup>3</sup> (2.72 m <sup>3</sup> ) Shoes 30" (750 mm)	20 ft							*21.0	*21.0	*18.9	*18.9				12.2 *15.2
	15 ft							*22.5	*22.5	19.1	*20.4				12.2 *16.2
	10 ft							*23.3	*23.3	18.4	*19.9				11.1 *15.5
	5 ft							*25.0	*25.0	18.4	*21.4				11.1 *16.6
	0 (Ground)							23.9	*25.9	17.5	*21.2	13.1	*18.4		10.6 *16.2
	- 5 ft							22.5	*30.1	16.7	*24.1	12.7	*18.8		10.5 *16.4
	- 10 ft							21.7	*28.9	16.1	*23.0	12.4	*18.7		11.0 *16.4
	- 15 ft							21.7	*31.1	16.1	*24.8	12.4	20.0		11.0 *17.8
	- 20 ft							30.7	*36.3	21.3	*28.5	15.9	*22.6		12.2 *16.1
								30.7	*39.0	21.3	*30.6	15.9	*24.4		12.2 *17.5
								30.7	*32.7	*27.9	*27.9	22.0	*22.1		14.6 *15.2
								30.7	*35.3	*30.1	*30.1	22.0	*24.0		14.6 *16.6
Boom 24'11" (7.60 m) Arm 11'6" (3.50 m) Bucket PCSA 3.22 yd <sup>3</sup> (2.47 m <sup>3</sup> ) Shoes 30" (750 mm)	25 ft									*17.6	*17.6				*8.94 *8.94
	20 ft									*18.9	*18.9				*9.64 *9.64
	15 ft									*18.0	*18.0				*8.93 *8.93
	10 ft									*19.4	*19.4				*9.63 *9.63
	5 ft									*27.7	*27.7	*22.4	*22.4	19.2	*19.3 14.1 *17.5
	0 (Ground)									*29.7	*29.7	*24.1	*24.1	19.2	*20.8 14.1 *18.9
	- 5 ft									*33.2	*33.2	24.9	*25.3	18.3	*20.9 13.7 *18.2
	- 10 ft									*35.5	*35.5	24.9	*27.2	18.3	*22.5 13.7 *19.6
	- 15 ft									33.1	*39.9	23.5	*29.9	17.4	*24.4 13.2 *18.9
	- 20 ft									31.9	*41.6	22.5	*31.5	16.8	*25.1 12.8 *20.5
										*27.9	*27.9	31.4	*38.2	22.0	*29.5 16.4 *23.4 12.7 *18.7
										*29.7	*29.7	31.4	*40.9	22.0	*31.6 16.4 *25.2 12.7 *20.3
Boom 24'11" (7.60 m) Arm 13'5" (4.10 m) Bucket PCSA 2.94 yd <sup>3</sup> (2.26 m <sup>3</sup> ) Shoes 30" (750 mm)	30 ft									*12.3	*12.3				*7.46 *7.46
	25 ft									*13.2	*13.2				*8.10 *8.10
	20 ft									*15.9	*15.9				*7.23 *7.23
	15 ft									*17.2	*17.2				*7.86 *7.86
	10 ft									*16.6	*16.6	*14.2	*14.2	18.0	*14.3 *16.3
	5 ft									*20.7	*20.7	*18.0	*18.0	19.4	*19.5 14.3 *17.7
	0 (Ground)									*22.3	*22.3	19.4	*19.5	14.3	*17.7 *17.2
	- 5 ft									*30.8	*30.8	*23.8	*23.8	18.5	*19.8 13.8 *17.2
	- 10 ft									*33.0	*33.0	25.3	*25.6	18.5	*21.3 13.8 *18.6
	- 15 ft									33.7	*35.6	23.7	*26.6	17.5	*21.5 13.2 *18.1
	- 20 ft									32.0	*38.1	23.7	*28.6	17.5	*23.1 13.2 *19.6
										*30.0	*30.0	31.2	*38.3	21.8	*29.2 16.2 *23.2 12.4 *18.8
										*31.8	*31.8	31.2	*41.1	21.8	*31.4 16.2 *25.0 12.4 *20.1
Boom 24'11" (7.60 m) Arm 13'5" (4.10 m) Bucket PCSA 2.94 yd <sup>3</sup> (2.26 m <sup>3</sup> ) Shoes 30" (750 mm)	30 ft									*12.3	*12.3				*10.2 *10.8
	25 ft									*13.2	*13.2				*10.2 *11.6
	20 ft									*15.9	*15.9				*11.7 *12.9
	15 ft									*17.2	*17.2				*11.7 *13.8
	10 ft									*16.6	*16.6	*14.2	*14.2	18.0	*14.3 *16.3
	5 ft									*20.7	*20.7	*18.0	*18.0	19.4	*19.5 14.3 *17.7
	0 (Ground)									*22.3	*22.3	19.4	*19.5	14.3	*17.7 *17.2
	- 5 ft									*30.8	*30.8	31.2	*38.3	21.8	*29.2 16.2 *23.2 12.4 *18.8
	- 10 ft									*33.0	*33.0	31.1	*36.7	21.6	*28.5 16.0 *22.5 12.4 *17.7
	- 15 ft									33.7	*38.1	31.1	*39.4	21.6	*30.7 16.0 *24.3 12.4 *19.1
	- 20 ft									32.0	*40.8	31.4	*33.2	21.7	*26.0 16.2 *20.2 16.7 *21.9
										*30.0	*30.0	31.2	*38.3	21.8	*29.2 16.2 *23.2 12.4 *18.8
										*31.8	*31.8	31.2	*41.1	21.8	*31.4 16.2 *25.0 12.4 *20.1
Boom 24'11" (7.60 m) Arm 17'1" (5.20 m) Bucket PCSA 2.38 yd <sup>3</sup> (1.82 m <sup>3</sup> ) Shoes 30" (750 mm)	25 ft									*12.9	*12.9				*6.55 *6.55
	20 ft									*13.8	*13.8				*7.13 *7.13
	15 ft									*14.7	*14.7	*8.67	*8.67	18.0	*8.67 *8.67
	10 ft									*16.9	*16.9	*15.6	*15.6	11.8	*12.2 *6.69 *6.69
	5 ft									*18.2	*18.2	15.6	*16.8	11.8	*13.1 *7.27 *7.27
	0 (Ground)									*27.7	*27.7	*22.2	*22.2	18.0	*18.0 *18.0
	- 5 ft									*33.3	*33.3	25.4	*25.5	18.8	*20.9 14.3 *18.0 11.1 *15.9 *7.49 *7.49
	- 10 ft									*35.6	*35.6	25.4	*27.4	18.8	*22.5 14.3 *19.4 11.1 *17.2 *8.12 *8.12
	- 15 ft									33.8	*37.3	23.9	*28.1	17.9	*22.6 13.7 *19.0 10.7 *16.4 *8.22 *8.22
	- 20 ft									33.8	*39.9	23.9	*30.2	17.9	*24.4 13.7 *20.5 10.7 17.0 *8.86 *8.86
										*31.9	*31.9	32.4	*39.1	22.9	*29.7 17.2 *25.5 13.3 *20.9 10.5 *16.8 *9.40 *9.40
										*33.7	*33.7	32.4	*41.8	22.9	*31.8 17.2 *25.5 13.3 *20.9 10.5 *16.8 *9.40 *9.40
Boom 24'11" (7.60 m) Arm 17'1" (5.20 m) Bucket PCSA 2.38 yd <sup>3</sup> (1.82 m <sup>3</sup> ) Shoes 30" (750 mm)	25 ft									*24.5	*24.5	*42.2	*42.2	31.8	*38.9 22.4 *29.9 16.8 *23.9 13.0 *19.4 10.4 *10.8
	20 ft									*26.1	*26.1	*44.6	*44.6	31.8	*41.7 22.4 *32.1 16.8 *25.7 13.0 *20.7 10.4 *11.6 *40.5*
	15 ft									*36.8	*36.8	*48.8	*48.8	31.8	*36.8 22.2 *28.7 16.7 *22.8 13.1 *17.9 12.2 *13.2 *37.1*
	10 ft									*38.9	*38.9	51.8	*52.2	31.8	*39.5 22.2 *30.8 16.7 *24.5 13.1 *19.4 12.2 *14.1 *37.1*
	5 ft									*52.7	*52.7	*42.2	*42.2	32.3	*32.6 22.5 *25.5 17.0 *19.7 10.5 *15.7 *9.26 *9.26
	0 (Ground)									*55.6	*55.6	*45.3	*45.3	32.3	*35.0 22.5 *27.5 17.0 *21.3 10.5 *16.8 *9.40 *9.40
	- 5 ft									*32.1	*32.1	*25.2	*25.2	*19.0	*19.0 10.4 *14.6 *14.6
	- 10 ft									*34.5	*34.5	*27.2	*27.2	*20.6	*20.6 10.4 *14.6 *14.6

with heavy-lifting system

Notes: 1. Ratings are based on SAE J1097.

2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (not standard equipment) loaded on the back of the bucket.

4. \*Indicates load limited by hydraulic capacity.

# ENGLISH MEASURE

## EX550LC

Rating over-side or 360 degrees

Rating over-front

Unit: 1 000 lb

Conditions	Load point height	Load radius										At max. reach					
		10 ft		15 ft		20 ft		25 ft		30 ft		35 ft		40 ft			
Boom 24'11" (7.60 m) Arm 9'6" (2.90 m) Bucket PCSA 3.54 yd <sup>3</sup> (2.72 m <sup>3</sup> ) Shoes 35" (900 mm)	20 ft							*21.0	*21.0	*18.9	*18.9			12.5	*15.2	37'7"	
	15 ft					*29.4	*29.4	*23.3	*23.3	18.7	*19.9			12.5	*16.2		
	10 ft							24.3	*25.9	17.8	*21.2	13.3	*18.4	11.4	*15.5		
	5 ft							22.9	*28.0	17.0	*22.4	12.9	*18.8	10.8	*16.4	38'9"	
	0 (Ground)							22.9	*30.1	17.0	*24.1	12.9	*20.3	10.8	*17.5		
	- 5 ft					31.3	*36.3	21.7	*28.5	16.2	*22.6			11.3	*16.4	37'7"	
	- 10 ft					31.3	*39.0	21.7	*30.6	16.2	*24.4			12.5	*16.1	35'7"	
	- 15 ft					*39.1	*39.1	31.6	*33.1	21.8	*26.4	16.3	*20.6	14.9	*15.2	32'7"	
	- 20 ft					*42.0	*42.0	31.6	*35.6	21.8	*28.5	16.3	*22.3	14.9	*16.6		
						*32.7	*27.9	*27.9	*22.1	*22.1				*12.6	*12.6	28'0"	
Boom 24'11" (7.60 m) Arm 11'6" (3.50 m) Bucket PCSA 3.22 yd <sup>3</sup> (2.47 m <sup>3</sup> ) Shoes 35" (900 mm)	- 20 ft					*35.3	*35.3	*30.1	*30.1	22.4	*24.0			*13.8	*13.8		
								*18.9	*18.9								
								*20.6	*20.6								
	25 ft									*17.6	*17.6			*8.94	*8.94		
	20 ft									*18.9	*18.9			*9.64	*9.64	37'6"	
	15 ft									*18.0	*18.0			*8.93	*8.93		
	10 ft									*19.4	*19.4			*9.63	*9.63	39'5"	
	5 ft									*27.7	*27.7	*22.4	*22.4	*19.3	*19.3	14.5	
	0 (Ground)									*29.7	*29.7	*24.1	*24.1	19.6	*20.8	14.5	
	- 5 ft									*33.2	*33.2	*25.3	*25.3	18.7	*20.9	14.0	
	- 10 ft									*35.5	*35.5	*25.5	*27.2	18.7	*22.5	14.0	
	- 15 ft									33.8	*37.3	24.0	*27.8	17.8	*22.4	13.5	
	- 20 ft									33.8	*39.9	24.0	*29.9	17.8	*24.1	13.5	
Boom 24'11" (7.60 m) Arm 13'5" (4.10 m) Bucket PCSA 2.94 yd <sup>3</sup> (2.26 m <sup>3</sup> ) Shoes 35" (900 mm)	0 (Ground)									32.5	*38.8	23.0	*29.3	17.2	*23.3	13.2	
	- 5 ft									32.5	*41.6	23.0	*31.5	17.2	*25.1	13.2	
	- 10 ft									*27.9	*27.9	32.1	*38.2	22.5	*29.5	16.8	
	- 15 ft									*29.7	*29.7	32.1	*40.9	22.5	*31.6	16.8	
	- 20 ft									*28.8	*28.8	*44.7	32.2	*35.7	22.4	*28.1	
										*30.5	*30.5	*47.9	*47.9	32.2	*38.3	22.4	
										*38.5	*38.5	*31.3	*31.3	22.7	*24.8	17.1	
										*41.3	*41.3	32.7	*33.7	22.7	*26.7	17.1	
										*28.9	*28.9	*23.9	*23.9	*18.0	*18.0		
										*31.3	*31.3	*25.9	*25.9	*19.6	*19.6		
Boom 24'11" (7.60 m) Arm 13'5" (4.10 m) Bucket PCSA 2.94 yd <sup>3</sup> (2.26 m <sup>3</sup> ) Shoes 35" (900 mm)	30 ft									*12.3	*12.3			*7.46	*7.46		
	25 ft									*13.2	*13.2			*8.10	*8.10	36'8"	
	20 ft									*15.9	*15.9			*7.23	*7.23		
	15 ft									*17.2	*17.2			*7.86	*7.86	39'5"	
	10 ft									*16.6	*16.6	*14.2	*14.2	*18.0	*18.0	15.0	
	5 ft									*20.7	*20.7	*18.0	*18.0	14.6	*16.3	16.3	
	0 (Ground)									*22.3	*22.3	*19.5	*19.5	14.6	*17.7	17.7	
	- 5 ft									*30.8	*30.8	*23.8	*23.8	18.8	*19.8	14.0	
	- 10 ft									*33.0	*33.0	*25.6	*25.6	18.8	*21.3	14.0	
	- 15 ft									34.3	*35.6	24.2	*26.6	17.8	*21.5	13.5	
Boom 24'11" (7.60 m) Arm 17'1" (5.20 m) Bucket PCSA 2.38 yd <sup>3</sup> (1.82 m <sup>3</sup> ) Shoes 35" (900 mm)	- 20 ft									34.3	*38.1	24.2	*28.6	17.8	*23.1	13.5	
	0 (Ground)									32.5	*38.1	23.0	*28.5	17.1	*22.7	13.0	
	- 5 ft									*30.0	*30.0	31.8	*38.3	22.2	*29.2	16.5	
	- 10 ft									*31.8	*31.8	31.8	*41.1	22.2	*31.4	16.5	
	- 15 ft									*28.0	*28.0	*46.9	31.6	*36.7	22.0	*28.5	
	- 20 ft									*29.8	*29.8	*49.5	*49.5	31.6	*39.4	22.0	
										*46.0	*46.0	*42.2	*42.2	32.0	*33.2	22.2	
										*48.6	*48.6	*45.3	*45.3	32.0	*35.7	22.2	
										*33.7	*33.7	*27.1	*27.1	*21.0	*21.0		
										*36.4	*36.4	*29.2	*29.2	*22.7	*22.7		
Boom 24'11" (7.60 m) Arm 17'1" (5.20 m) Bucket PCSA 2.38 yd <sup>3</sup> (1.82 m <sup>3</sup> ) Shoes 35" (900 mm)	25 ft										*12.9	*12.9			*6.55	*6.55	
	20 ft										*13.8	*13.8			*7.13	*7.13	42'6"
	15 ft										*14.7	*14.7			*8.67	*8.67	
	10 ft										*15.9	*15.9			*6.54	*6.54	
	5 ft										*16.9	*16.9	*15.6	*15.6	12.0	*12.2	*6.69
	0 (Ground)										*18.2	*18.2	15.9	*16.8	12.0	*13.1	*7.27
	- 5 ft										*27.7	*27.7	*22.2	*22.2	11.7	*14.5	*7.43
	- 10 ft										*29.6	*29.6	*23.8	*23.8	20.2	*20.4	*7.84
	- 15 ft										*33.3	*33.3	*25.5	*25.5	19.1	*20.9	*7.47
	- 20 ft										*35.6	*35.6	*25.8	*27.4	19.1	*22.5	*7.47
Boom 24'11" (7.60 m) Arm 17'1" (5.20 m) Bucket PCSA 2.38 yd <sup>3</sup> (1.82 m <sup>3</sup> ) Shoes 35" (900 mm)	- 25 ft										34.3	*37.3	24.3	*28.1	18.2	*22.6	14.0
	0 (Ground)										*31.9	*31.9	23.3	*29.7	17.5	*23.7	13.5
	- 5 ft										*33.7	32.9	*41.8	23.3	*31.8	*25.5	13.5
	- 10 ft										*24.5	*24.5	*42.2	32.4	*38.9	22.8	
	- 15 ft										*26.1	*26.1	*44.6	*44.6	32.4	*41.7	22.8
	- 20 ft										*36.8	*36.8	*48.8	*48.8	32.3	*36.8	22.7
	- 25 ft										*38.9	*38.9	*52.2	*52.2	32.3	*39.5	22.7
											*52.7	*52.7	*42.2	*42.2	*32.6	*32.6	23.0
											*55.6	*55.6	*45.3	*45.3	32.8	*35.0	23.0
											*32.1	*32.1	*25.2	*25.2	*19.0	*19.0	

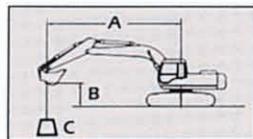
with heavy-lifting system

Notes: 1. Ratings are based on SAE J1097.

2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (not standard equipment) loaded on the back of the bucket.

4. \*Indicates load limited by hydraulic capacity.



A: Load radius  
B: Load point height  
C: Lifting capacity

## ENGLISH MEASURE

### EX550LC with BE-front

Conditions	Load point height	Load radius								At max. reach						
		10 ft		15 ft		20 ft		25 ft								
Boom 21'8" (6.60 m) BE-boom Arm 9'6" (2.90 m) BE-arm Bucket PCSA 4.43 yd <sup>3</sup> (3.39 m <sup>3</sup> ) Shoes 30" (750 mm)	25 ft							*21.5	*21.5					*13.1	*13.1	31'11"
	20 ft							*23.1	*23.1					*14.0	*14.0	
	15 ft							*21.7	*21.7					*13.0	*13.0	34'3"
	10 ft							*30.1	*30.1	*25.2	*25.2	18.5	*22.5			
	5 ft							*35.5	*35.5	24.9	*25.9	17.8	*21.8			
	0 (Ground)							34.0	*37.2	23.6	*28.1	17.2	*22.8			
	-5 ft							34.0	*39.8	23.6	*30.2	17.2	*24.6			
	-10 ft							32.6	*38.7	22.7	*29.2	16.7	*23.1			
	-15 ft							32.6	*41.5	22.7	*31.4	16.7	*24.9			
								*49.2	*49.2	32.2	*37.6	22.3	*28.7	16.5	*21.9	
Boom 21'8" (6.60 m) BE-boom Arm 9'6" (2.90 m) BE-arm Bucket PCSA 4.43 yd <sup>3</sup> (3.39 m <sup>3</sup> ) Shoes 35" (900 mm)	-5 ft							*52.7	*52.7	32.2	*40.3	22.3	*30.9	16.5	*23.7	
	-10 ft							*51.6	*51.6	*43.0	32.4	*33.8	22.4	*25.7		
	-15 ft							*55.3	*55.3	*46.2	32.4	*36.3	22.4	*27.7		
								*33.0	*33.0	*26.1						
								*35.6	*35.6	*28.2	*28.2					

### EX550LCH

Conditions	Load point height	Load radius								At max. reach							
		10 ft		15 ft		20 ft		25 ft									
Boom 24'11" (7.60 m) H-boom Arm 11'6" (3.50 m) H-arm Bucket PCSA 2.88 yd <sup>3</sup> (2.21 m <sup>3</sup> ) Rock bucket Shoes 24" (600 mm)	25 ft									*16.2	*16.2			*8.01	*8.01	37'11"	
	20 ft									*17.5	*17.5			*8.70	*8.70		
	15 ft									*16.8	*16.8	*11.8	*11.8				
	10 ft									*18.2	*18.2	*12.7	*12.7				
	5 ft									*32.4	*32.4	23.5	*24.2	17.0	*19.7	12.5	*16.9
	0 (Ground)									*33.8	*34.7	23.5	*26.1	17.0	*21.3	12.5	*18.4
	-5 ft									*31.2	*36.2	22.0	*26.7	16.1	*21.2	12.0	*17.6
	-10 ft									*31.2	*38.9	22.0	*28.7	16.1	*22.9	12.0	*19.2
	-15 ft									*30.0	*37.4	20.9	*28.0	15.4	*22.1	11.6	*18.0
	-20 ft									*26.9	*26.9	29.6	*36.4	20.4	*28.0	15.0	*22.1

with heavy-lifting system

Notes: 1. Ratings are based on SAE J1097.  
2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (not standard equipment) loaded on the back of the bucket.

4. \*Indicates load limited by hydraulic capacity.

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Illustrations and photos show the standard models, and may or may not include optional  
equipment, accessories, and all standard equipment, with some differences in color and  
features, such as side mirror, for the models sold in North America.

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