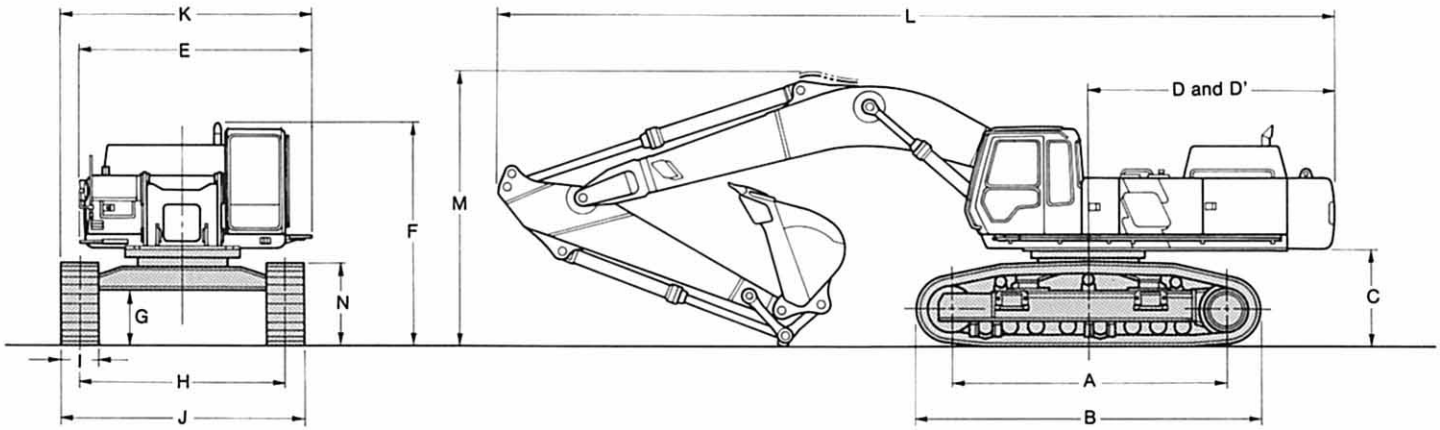
HITACHI

SuperEX

EX550

- **Rated engine HP ..... 272 kW (370 PS)**
- **Operating weight ..... 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)
- **Backhoe bucket ..... PCSA heaped: 1.82 — 3.39 m^3**
  (2.38 — 4.43 yd^3)
  CECE heaped: 1.60 — 3.00 m^3

Specifications



		EX550	EX550LC
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 muffler	3 390 mm (11′1″)/**3 370 mm (11′1″)	3 390 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	12 980 mm (42′7″)	12 980 mm (42′7″)
	With 3.50 m (11′6″) arm	12 900 mm (42′4″)	12 900 mm (42′4″)
	With 4.10 m (13′5″) 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. ** Overall height of cab.

G: Triple grouser shoe.

TECHNICAL DATA

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^{-1} (rpm)
SAE J1349, net ..... 269 kW (361 HP) at 1 800 min^{-1} (rpm)
Maximum flywheel horsepower
DIN 6271, gross .... 294 kW (400 PS) at 2 100 min^{-1} (rpm)
SAE J1349, gross .. 298 kW (400 HP) at 2 100 min^{-1} (rpm)
Maximum torque ..... 1 540 N·m (157 kgf·m, 1 140 lbf·ft) at 1 400 min^{-1} (rpm)
Piston displacement ..... 14.00 L (854 in^3)
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^2, 4 340 psi)
Swing circuit ..... 31.4 MPa (320 kgf/cm^2, 4 550 psi)
Travel circuit ..... 34.3 MPa (350 kgf/cm^2, 4 980 psi)
Pilot circuit ..... 3.9 MPa (40 kgf/cm^2, 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^{-1} (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 Standardization 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
	3	EX550LC/EX550H/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
Brake capability on slope ..... over 25° (47%)

WEIGHTS AND GROUND PRESSURE

EX550/EX550LC:
Equipped with 7.60 m (24′11″) boom, 3.50 m (11′6″) arm, and 2.26 m³ (2.94 yd³; 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/cm², 13.7 psi)
		54 200 kg (119 500 lb)	89.2 kPa (0.91 kgf/cm², 12.9 psi)
	750 mm (30″)	54 000 kg (119 100 lb)	76.5 kPa (0.78 kgf/cm², 11.1 psi)
		55 100 kg (121 500 lb)	72.6 kPa (0.74 kgf/cm², 10.5 psi)
	900 mm (35″)	54 800 kg (120 800 lb)	64.7 kPa (0.66 kgf/cm², 9.39 psi)
		56 000 kg (123 500 lb)	61.8 kPa (0.63 kgf/cm², 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 m³ (2.89 yd³; 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/m², 14.1 psi)
		55 500 kg (122 400 lb)	91.2 kPa (0.93 kgf/m², 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 m³ (4.43 yd³; 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/cm², 13.8 psi)
		55 100 kg (121 500 lb)	90.2 kPa (0.92 kgf/cm², 13.1 psi)
	750 mm (30″)	54 900 kg (121 100 lb)	77.5 kPa (0.79 kgf/cm², 11.2 psi)
		56 000 kg (123 500 lb)	73.6 kPa (0.75 kgf/cm², 10.7 psi)
	900 mm (35″)	55 800 kg (123 000 lb)	65.7 kPa (0.67 kgf/cm², 9.53 psi)
		56 800 kg (125 200 lb)	61.8 kPa (0.63 kgf/cm², 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

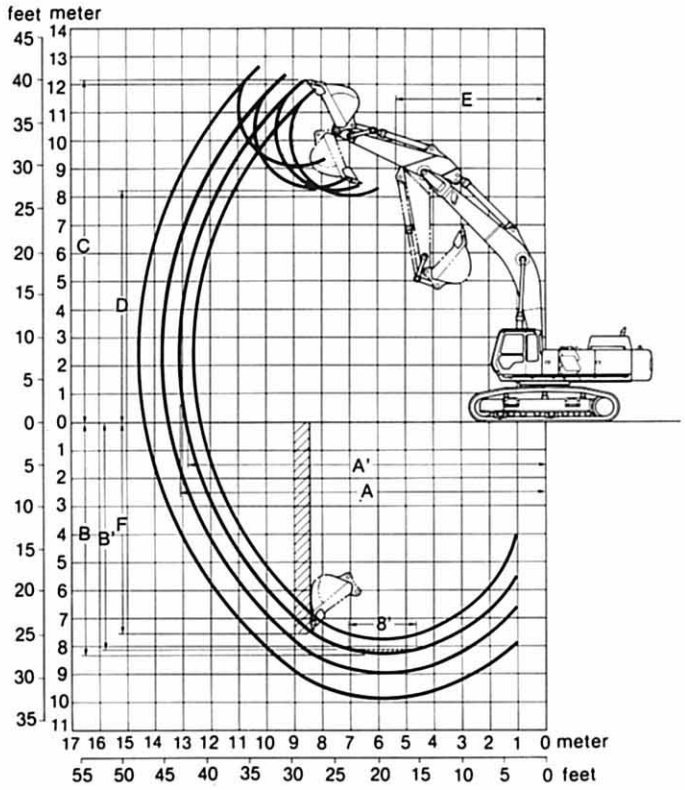
	liters	US gal	Imp gal
Fuel tank	700.0	184.9	154.0
Engine coolant	70.0	18.5	15.4
Engine oil	44.0	11.6	9.7
Pump drive	5.0	1.3	1.1
Swing mechanism (each side)	13.0	3.4	2.9
Travel final device (each side)	14.0	3.7	3.1
Hydraulic system	560.0	148.0	123.2
Hydraulic tank	270.0	71.3	59.4

BACKHOE ATTACHMENTS

Boom 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.

TECHNICAL DATA

WORKING RANGES



Arm length	EX550/EX550LC 2.90 m (9'6")	3.50 m (11'6")	4.10 m (13'5")	5.20 m (17'1")
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.

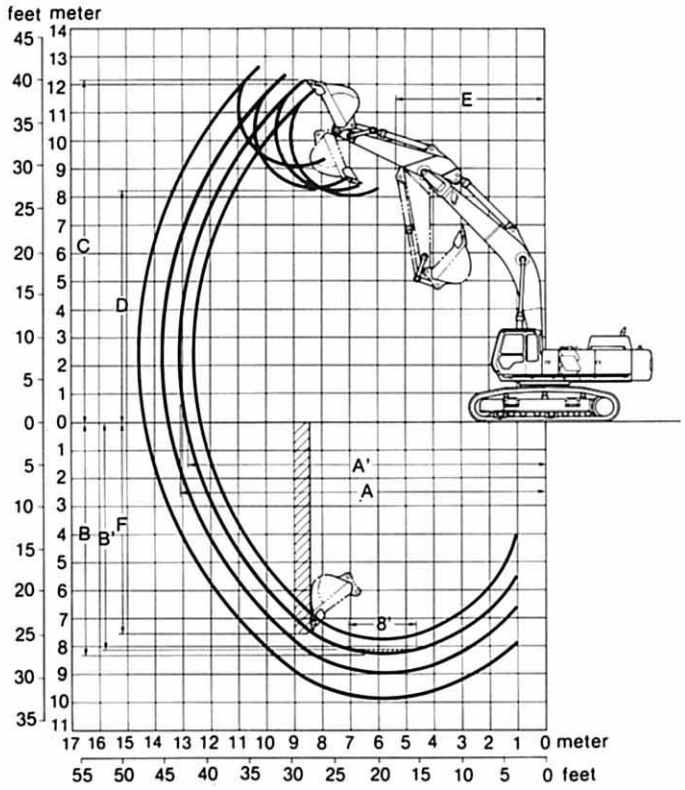
Buckets

Capacity		Width		No. of teeth	Weight	Recommendation							
						EX550				EX550LC			
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
1.82 m^3 (2.38 yd^3)	1.60 m^3	1 360 mm (4'6")	1 500 mm (4'11")	5	1 700 kg (3 750 lb)	—	—	—	◎	—	—	—	◎
2.00 m^3 (2.62 yd^3)	1.80 m^3	1 290 mm (4'3")	1 430 mm (4'8")	5	1 900 kg (4 190 lb)	◎	◎	◎	—	◎	◎	◎	—
2.26 m^3 (2.96 yd^3)	2.00 m^3	1 420 mm (4'8")	1 560 mm (5'1")	5	1 990 kg (4 390 lb)	◎	◎	□	—	◎	◎	◎	—
2.47 m^3 (3.23 yd^3)	2.20 m^3	1 530 mm (5'0")	1 670 mm (5'6")	5	2 070 kg (4 560 lb)	◎	□	—	—	◎	◎	□	—
2.72 m^3 (3.56 yd^3)	2.40 m^3	1 650 mm (5'5")	1 790 mm (5'10")	5	2 160 kg (4 760 lb)	□	—	—	—	◎	□	—	—

◎ Suitable for materials with density of 2 000 kg/m^3 (3 370 lb/yd^3) or less
□ Suitable for materials with density of 1 100 kg/m^3 (1 850 lb/yd^3) or less
— Not recommended

TECHNICAL DATA

WORKING RANGES



Arm length	EX550/EX550LC 2.90 m (9'6")	3.50 m (11'6")	4.10 m (13'5")	5.20 m (17'1")
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.

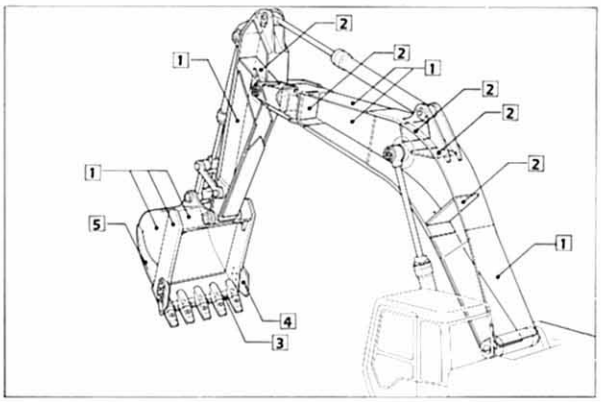
Buckets

Capacity		Width		No. of teeth	Weight	Recommendation							
						EX550				EX550LC			
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
1.82 m^3 (2.38 yd^3)	1.60 m^3	1 360 mm (4'6")	1 500 mm (4'11")	5	1 700 kg (3 750 lb)	—	—	—	◎	—	—	—	◎
2.00 m^3 (2.62 yd^3)	1.80 m^3	1 290 mm (4'3")	1 430 mm (4'8")	5	1 900 kg (4 190 lb)	◎	◎	◎	—	◎	◎	◎	—
2.26 m^3 (2.96 yd^3)	2.00 m^3	1 420 mm (4'8")	1 560 mm (5'1")	5	1 990 kg (4 390 lb)	◎	◎	□	—	◎	◎	◎	—
2.47 m^3 (3.23 yd^3)	2.20 m^3	1 530 mm (5'0")	1 670 mm (5'6")	5	2 070 kg (4 560 lb)	◎	□	—	—	◎	◎	□	—
2.72 m^3 (3.56 yd^3)	2.40 m^3	1 650 mm (5'5")	1 790 mm (5'10")	5	2 160 kg (4 760 lb)	□	—	—	—	◎	□	—	—

◎ Suitable for materials with density of 2 000 kg/m^3 (3 370 lb/yd^3) or less
□ Suitable for materials with density of 1 100 kg/m^3 (1 850 lb/yd^3) or less
— Not recommended

TECHNICAL DATA

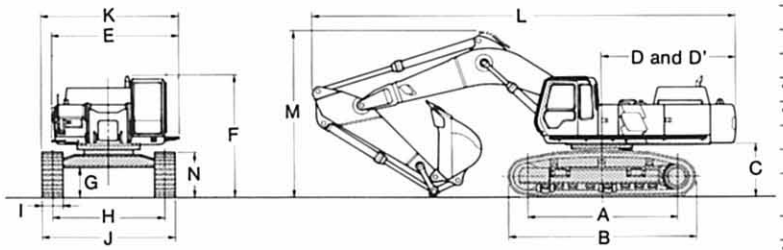
EX550/EX550LC with BE-front



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)

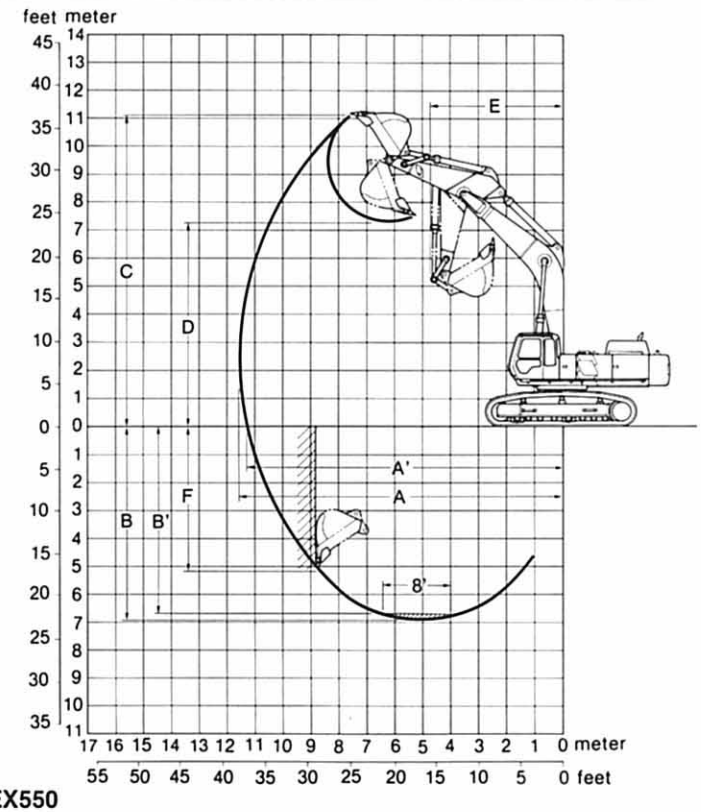
DIMENSIONS



		EX550	EX550LC
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	3 370 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 (10′10″)
K	Overall width	3 930 mm (12′11″)	3 950 mm (12′11″)
*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



	EX550/EX550LC
Boom length	**6.60 m (21′8″) BE-boom**
Arm length	**2.90 m (9′6″) BE-arm**
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.

Buckets

Capacity		Width		No. of teeth	Weight	Recommendation BE-front	
						EX550 EX550LC	EX550H EX550LCH
PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.90 m (9′6″) BE-arm	2.90 m (9′6″) BE-arm
3.39 m³ (4.43 yd³)	3.00 m³	1 800 mm (5′11″)	1 940 mm (6′4″)	5	2 660 kg (5 870 lb)	◎	◎
*3.00 m³ (3.92 yd³)	2.70 m³	1 590 mm (5′2″)	1 610 mm (5′3″)	5	2 820 kg (6 220 lb)	●	●

* Rock bucket
◎ Suitable for materials with density of 2 000 kg/m³ (3 370 lb/yd³) or less
● Heavy-duty service

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 fiter
- 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-idleing system

HYDRAULIC SYSTEM

- ETS (Electronic Total control System)
- E-P control system (power mode selector)
- OHS (Optimum Hydraulic System)
- FPS (Fuel-saving Pump System)
- 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
- 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 assit spring, and lower and both side windows with intermittent windshield wipers, front window washer, curved rear window, adjustable suspension seat with armrests, footrest, electric double horn, auto-turning radio with digital clock, auto-idle switch, seat belt, cigarette lighter, ashtray, parcel pocket, rear tray, floor mat, and pilot control shut-off lever, emergency tool.

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) counterweight
- Fuel level gauge
- Hydraulic oil level gauge
- Tool box
- Utility space
- Rearview mirror
- Swing parking brake
- 24 V power supply

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^3 (2.94 yd^3): PCSA heaped bucket

MISCELLANEOUS

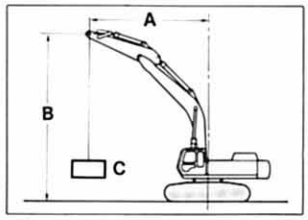
- Standard tool kit
- Lockable machine covers
- Fuel filling cap
- Skid-resistant tapes, left sidewalk and handrails.
- Reflectors

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
- Overload lifting alarm (with cancel switch)
- Swing alarm with lamps
- Travel alarm with cancel switch
- Ladder
- 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^3 (2.88 yd^3: PCSA heaped) rock bucket
- H-track guard
- Reinforced undercover for upperstructure

LIFTING CAPACITIES



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

With retracted bucket cylinder
Overload alarm device switch: OFF

METRIC MEASURE

EX550

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

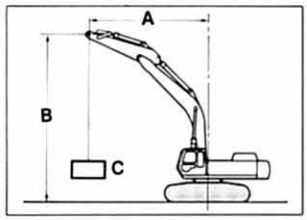
Conditions	Load point height	Load radius 3 m		4 m		6 m		8 m		10 m		12 m		At max. reach		@ m
Boom 7.60 m Arm 2.90 m Without Bucket Shoes 600 mm	10 m													*11.9	*11.9	7.02
														*12.6	*12.6	
	8 m							*11.0	*11.0					10.4	*10.9	8.73
								*11.8	*11.8					10.4	*11.6	
	6 m					*14.3	*14.3	*11.7	*11.7					8.40	*10.6	9.74
						*15.2	*15.2	11.7	11.7					8.40	11.1	
	4 m					16.7	*17.1	11.0	*12.7	7.79	10.4			7.47	9.94	10.3
						16.7	*18.2	11.0	*13.6	7.79	10.4			7.47	9.94	
	2 m							10.4	*13.7	7.53	10.1			7.13	9.56	10.4
								10.4	14.0	7.53	10.1			7.13	9.56	
	0 (Ground)					15.0	*19.0	10.0	13.6	7.38	9.93			7.31	9.83	10.1
						15.0	*20.3	10.0	13.6	7.38	9.93			7.31	9.83	
	−2 m					15.1	*17.6	9.96	*13.2					8.13	*10.6	9.35
						15.1	*18.8	9.96	13.6					8.13	10.9	
	−4 m			*18.5	*18.5	*14.6	*14.6	*10.3	*10.3					*10.1	*10.1	8.08
				*19.8	*19.8	*15.6	*15.6	10.3	*11.1					10.2	*10.9	
Boom 7.60 m Arm 3.50 m Without Bucket Shoes 600 mm	10 m													*8.89	*8.89	7.82
														*9.39	*9.39	
	8 m							*10.4	*10.4					*8.19	*8.19	9.38
								*11.1	*11.1					*8.66	*8.66	
	6 m							*11.2	*11.2	8.31	*10.0			7.83	*8.05	10.3
								*11.9	*11.9	8.31	*10.7			7.83	*8.51	
	4 m					*16.4	*16.4	11.4	*12.5	8.03	*10.5			7.04	*8.29	10.8
						17.4	*17.5	11.4	*13.3	8.03	10.6			7.04	*8.76	
	2 m					16.1	*18.8	10.7	*13.6	7.72	10.3			6.75	*8.90	10.9
						16.1	*20.0	10.7	14.3	7.72	10.3			6.75	9.00	
	0 (Ground)					15.4	*19.4	10.3	13.9	7.51	10.1			6.88	9.21	10.6
						15.4	*20.7	10.3	13.9	7.51	10.1			6.88	9.21	
	−2 m	*13.5	*13.5	*18.6	*18.6	15.3	*18.6	10.1	13.7					7.54	10.1	9.96
		*14.2	*14.2	*19.6	*19.6	15.3	*19.8	10.1	13.7					7.54	10.1	
	−4 m	*24.5	*24.5	*21.4	*21.4	15.5	*16.1	10.3	*11.8					9.14	*10.1	8.78
		*26.2	*26.2	*22.9	*22.9	15.5	*17.2	10.3	*12.6					9.14	*10.8	
	−6 m					*10.6	*10.6							*8.70	*8.70	6.82
						*11.4	*11.4							*9.37	*9.37	
Boom 7.60 m Arm 4.10 m Without Bucket Shoes 600 mm	10 m													*7.18	*7.18	8.54
														*7.60	*7.60	
	8 m													*6.68	*6.68	9.99
														*7.08	*7.08	
	6 m							*10.4	*10.4	8.36	*9.39			*6.59	*6.59	10.9
								*11.1	*11.1	8.36	*10.0			*6.98	*6.98	
	4 m					*15.3	*15.3	11.4	*11.8	8.03	*9.95			6.46	*6.78	11.3
						*16.3	*16.3	11.4	*12.6	8.03	10.6			6.46	*7.19	
	2 m					16.2	*18.0	10.7	*13.1	7.66	10.2			6.19	*7.27	11.4
						16.2	*19.1	10.7	*14.0	7.66	10.2			6.19	*7.70	
	0 (Ground)			*10.6	*10.6	15.3	*19.2	10.2	13.8	7.38	9.94			6.28	*8.15	11.2
				*11.2	*11.2	15.3	*20.4	10.2	13.8	7.38	9.94			6.28	8.45	
	−2 m	*13.0	*13.0	*17.9	*17.9	15.0	*18.8	9.92	13.5	7.28	9.83			6.80	9.16	10.5
		*13.7	*13.7	*18.9	*18.9	15.0	*20.0	9.92	13.5	7.28	9.83			6.80	9.16	
	−4 m	*22.1	*22.1	*23.4	*23.4	15.2	*16.8	10.0	*12.4					8.06	*9.67	9.42
		*23.3	*23.3	*25.0	*25.0	15.2	*18.0	10.0	*13.3					8.06	*10.4	
	−6 m			*16.9	*16.9	*12.5	*12.5							*8.96	*8.96	7.63
				*18.1	*18.1	*13.5	*13.5							*9.64	*9.64	
Boom 7.60 m Arm 5.20 m Without Bucket Shoes 600 mm	10 m													*5.85	*5.85	9.92
														*6.19	*6.19	
	8 m									*8.19	*8.19			*5.51	*5.51	11.2
										*8.65	*8.65			*5.84	*5.84	
	6 m									*8.66	*8.66			*5.44	*5.44	12.0
										8.86	*9.24			*5.77	*5.77	
	4 m					*13.5	*13.5	*10.9	*10.9	8.46	*9.40	6.20	*7.45	*5.56	*5.56	12.4
						*14.4	*14.4	*11.6	*11.6	8.46	*10.0	6.20	*7.88	5.83	*5.90	
	2 m					*16.8	*16.8	11.2	*12.5	8.02	*10.2	6.00	7.97	5.60	*5.88	12.5
						17.1	*17.9	11.2	*13.3	8.02	10.6	6.00	7.97	5.60	*6.23	
	0 (Ground)			*12.0	*12.0	15.9	*18.8	10.5	*13.6	7.65	10.2	5.83	7.79	5.64	*6.45	12.3
				*12.7	*12.7	15.9	*20.0	10.5	14.2	7.65	10.2	5.83	7.79	5.64	*6.84	
	−2 m	*11.6	*11.6	*16.3	*16.3	15.3	*19.3	10.1	13.7	7.42	9.96			5.99	*7.43	11.7
		*12.2	*12.2	*17.1	*17.1	15.3	*20.6	10.1	13.7	7.42	9.96			5.99	*7.86	
	−4 m	*18.0	*18.0	*23.4	*23.4	15.2	*18.3	10.0	*13.5	7.40	9.95			6.81	*9.05	10.7
		*19.0	*19.0	*24.6	*24.6	15.2	*19.6	10.0	13.6	7.40	9.95			6.81	9.13	
	−6 m	*26.8	*26.8	*21.8	*21.8	*15.5	*15.5	10.3	*11.3					8.63	*8.89	9.15
		*28.6	*28.6	*23.3	*23.3	15.5	*16.6	10.3	*12.1					8.63	*9.55	

Equipped with heavy lifting system (option)

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

With retracted bucket cylinder
Overload alarm device switch: OFF

METRIC MEASURE



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

EX550LC

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

Conditions	Load point height	Load radius 3 m		4 m		6 m		8 m		10 m		12 m		At max. reach		
																@ m
Boom 7.60 m Arm 2.90 m Without Bucket Shoes 750 mm	10 m													*11.9	*11.9	7.02
														*12.6	*12.6	
	8 m							*11.0	*11.0					10.7	*10.9	8.73
								*11.8	*11.8					10.7	*11.6	
	6 m					*14.3	*14.3	*11.7	*11.7					8.69	*10.6	9.74
						*15.2	*15.2	12.1	*12.4					8.69	*11.3	
	4 m					*17.1	*17.1	11.4	*12.7	8.07	*10.7			7.74	*10.5	10.3
						17.3	*18.2	11.4	*13.6	8.07	*11.4			8.07	*11.4	
	2 m							10.7	*13.7	7.81	*11.0			7.40	*10.6	10.4
								10.7	*14.6	7.81	11.6			7.81	11.6	
	0 (Ground)					15.6	*19.0	10.4	*14.0	7.66	*10.8			7.59	*10.7	10.1
						15.6	*20.3	10.4	*14.9	7.66	11.5			7.66	11.5	
	−2 m					15.6	*17.6	10.3	*13.2					8.43	*10.6	9.35
						15.6	*18.8	10.3	*14.1					8.43	*11.4	
	−4 m			*18.5	*18.5	*14.6	*14.6	*10.3	*10.3					*10.1	*10.1	8.08
				*19.8	*19.8	*15.6	*15.6	10.7	*11.1					10.6	*10.9	
Boom 7.60 m Arm 3.50 m Without Bucket Shoes 750 mm	10 m													*8.89	*8.89	7.82
														*9.39	*9.39	
	8 m							*10.4	*10.4					*8.19	*8.19	9.38
								*11.1	*11.1					*8.66	*8.66	
	6 m							*11.2	*11.2	8.59	*10.0			8.05	*8.05	10.3
								*11.9	*11.9	8.59	*10.7			8.10	*8.51	
	4 m					*16.4	*16.4	11.7	*12.5	8.32	*10.5			7.30	*8.29	10.8
						*17.5	*17.5	11.7	*13.3	8.32	*11.2			7.30	*8.76	
	2 m					16.6	*18.8	11.1	*13.6	8.01	*11.0			7.00	*8.90	10.9
						16.6	*20.0	11.1	*14.5	8.01	*11.7			7.00	*9.40	
	0 (Ground)					15.9	*19.4	10.6	*14.2	7.79	*11.1			7.14	*10.0	10.6
						15.9	*20.7	10.6	*15.1	7.79	11.6			7.14	*10.6	
	−2 m	*13.5	*13.5	*18.6	*18.6	15.8	*18.6	10.5	*13.8					7.82	*10.3	9.96
		*14.2	*14.2	*19.6	*19.6	15.8	*19.8	10.5	*14.7					7.82	*11.0	
	−4 m	*24.5	*24.5	*21.4	*21.4	*16.1	*16.1	10.7	*11.8					9.47	*10.1	8.78
		*26.2	*26.2	*22.9	*22.9	16.1	*17.2	10.7	*12.6					9.47	*10.8	
	−6 m					*10.6	*10.6							*8.70	*8.70	6.82
						*11.4	*11.4							*9.37	*9.37	
Boom 7.60 m Arm 4.10 m Without Bucket Shoes 750 mm	10 m													*7.18	*7.18	8.54
														*7.60	*7.60	
	8 m													*6.68	*6.68	9.99
														*7.08	*7.08	
	6 m							*10.4	*10.4	8.64	*9.39			*6.59	*6.59	10.9
								*11.1	*11.1	8.64	*10.0			*6.98	*6.98	
	4 m					*15.3	*15.3	*11.8	*11.8	8.31	*9.95			6.71	*6.78	11.3
						*16.3	*16.3	11.8	*12.6	8.31	*10.6			6.71	*7.19	
	2 m					16.7	*18.0	11.1	*13.1	7.95	*10.6			6.43	*7.27	11.4
						16.7	*19.1	11.1	*14.0	7.95	*11.3			6.43	*7.70	
	0 (Ground)			*10.6	*10.6	15.9	*19.2	10.5	*13.9	7.67	*10.9			6.52	*8.15	11.2
				*11.2	*11.2	15.9	*20.4	10.5	*14.8	7.67	11.5			6.52	*8.63	
	−2 m	*13.0	*13.0	*17.9	*17.9	15.6	*18.8	10.3	*13.8	7.56	*10.5			7.06	*9.69	10.5
		*13.7	*13.7	*18.8	*18.8	15.6	*20.0	10.3	*14.7	7.56	*11.3			7.06	*10.3	
	−4 m	*22.1	*22.1	*23.4	*23.4	15.7	*16.8	10.4	*12.4					8.36	*9.67	9.42
		*23.3	*23.3	*25.0	*25.0	15.7	*18.0	10.4	*13.3					8.36	*10.4	
	−6 m			*16.9	*16.9	*12.5	*12.5							*8.96	*8.96	7.63
				*18.1	*18.1	*13.5	*13.5							*9.64	*9.64	
Boom 7.60 m Arm 5.20 m Without Bucket Shoes 750 mm	10 m													*5.85	*5.85	9.92
														*6.19	*6.19	
	8 m									*8.19	*8.19			*5.51	*5.51	11.2
										*8.65	*8.65			*5.84	*5.84	
	6 m									*8.66	*8.66			*5.44	*5.44	12.0
										9.14	*9.24			*5.77	*5.77	
	4 m					*13.5	*13.5	*10.9	*10.9	8.74	*9.40	6.43	*7.45	*5.56	*5.56	12.4
						*14.4	*14.4	*11.6	*11.6	8.74	*10.0	6.43	*7.88	*5.90	*5.90	
	2 m					*16.8	*16.8	11.6	*12.5	8.31	*10.2	6.23	*8.50	5.82	*5.88	12.5
						17.7	*17.9	11.6	*13.3	8.31	*10.9	6.23	*8.98	5.82	*6.23	
	0 (Ground)			*12.0	*12.0	16.4	*18.8	10.9	*13.6	7.93	*10.8	6.05	*8.27	5.86	*6.45	12.3
				*12.7	*12.7	16.4	*20.0	10.9	*14.6	7.93	*11.6	6.05	*8.74	5.86	*6.84	
	−2 m	*11.6	*11.6	*16.3	*16.3	15.8	*19.3	10.5	*14.1	7.70	*11.0			6.22	*7.43	11.7
		*12.2	*12.2	*17.1	*17.1	15.8	*20.6	10.5	*15.0	7.70	11.5			6.22	*7.86	
	−4 m	*18.0	*18.0	*23.4	*23.4	15.7	*18.3	10.4	*13.5	7.69	*10.2			7.07	*9.05	10.7
		*19.0	*19.0	*24.6	*24.6	15.7	*19.6	10.4	*14.4	7.69	*10.9			7.07	*9.70	
	−6 m	*26.8	*26.8	*21.8	*21.8	*15.5	*15.5	10.6	*11.3					*8.89	*8.89	9.15
		*28.6	*28.6	*23.3	*23.3	16.1	*16.6	10.6	*12.1					8.94	*9.55	

Equipped with heavy lifting system (option)

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

With retracted bucket cylinder
Overload alarm device switch: OFF

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 3 m		4 m		6 m		8 m		10 m		12 m		At max. reach		
																@ m
EX550 Boom 6.60 m BE-boom Arm 2.90 m BE-arm Without Bucket Shoes 600 mm	9 m													*13.4	*13.4	6.57
														*14.1	*14.1	
	8 m													*12.7	*12.7	7.46
														*13.3	*13.3	
	6 m					*14.5	*14.5	12.1	*12.6					10.7	*12.2	8.62
						*15.4	*15.4	12.1	*13.3					10.7	*12.9	
	4 m					*17.1	*17.1	11.6	*13.4					9.28	*12.2	9.21
						18.1	*18.1	11.6	*14.2					9.28	12.2	
	2 m					16.8	*19.2	11.1	*14.3					8.82	11.7	9.33
						16.8	*20.5	11.1	14.8					8.82	11.7	
	0 (Ground)					16.1	*19.8	10.7	14.4					9.11	12.1	9.01
						16.1	*21.1	10.7	14.4					9.11	12.1	
	−2 m	*24.3	*24.3	*25.7	*25.7	16.0	*18.3	10.7	*13.0					10.4	*12.5	8.19
		*25.6	*25.6	*27.3	*27.3	16.0	*19.5	10.7	*13.9					10.4	*13.3	
	−4 m			*19.0	*19.0	*13.7	*13.7							*11.5	*11.5	6.68
				*20.3	*20.3	*14.6	*14.6							*12.4	*12.4	
EX550LC Boom 6.60 m BE-boom Arm 2.90 m BE-arm Without Bucket Shoes 750 m	9 m													*13.4	*13.4	6.57
														*14.1	*14.1	
	8 m													*12.7	*12.7	7.46
														*13.3	*13.3	
	6 m					*14.5	*14.5	12.5	*12.6					11.0	*12.2	8.62
						*15.4	*15.4	12.5	*13.4					11.0	*12.9	
	4 m					*17.1	*17.1	12.0	*13.4					9.59	*12.2	9.21
						*18.1	*18.1	12.0	*14.2					9.59	*13.0	
	2 m					17.3	*19.2	11.4	*14.3					9.13	12.3	9.33
						17.3	*20.5	11.4	*15.2					9.13	*13.1	
	0 (Ground)					16.7	*19.8	11.1	*14.5					9.43	*12.5	9.01
						16.7	*21.1	11.1	*15.4					9.43	*13.3	
	−2 m	*24.3	*24.3	*25.7	*25.7	16.6	*18.3	11.1	*13.0					10.8	*12.5	8.19
		*25.6	*25.6	*27.3	*27.3	16.6	*19.5	11.1	*13.9					10.8	*13.3	
	−4 m			*19.0	*19.0	*13.7	*13.7							*11.5	*11.5	6.68
				*20.3	*20.3	*14.6	*14.6							*12.4	*12.4	

EX550H/EX550LCH

Conditions	Load point height	Load radius 3 m		4 m		6 m		8 m		10 m		12 m		At max. reach		
																@ m
EX550H Boom 7.60 m H-boom Arm 3.50 m H-arm Without Bucket Shoes 600 mm	10 m													*8.81	*8.81	7.82
														*9.31	*9.31	
	8 m							*10.2	*10.2					*8.11	*8.11	9.38
								*10.9	*10.9					*8.58	*8.58	
	6 m							*11.0	*11.0	8.16	*9.83			7.68	*7.97	10.3
								*11.7	*11.7	8.16	*10.5			7.68	*8.43	
	4 m					*16.2	*16.2	11.2	*12.2	7.88	*10.2			6.88	*8.21	10.8
						*17.2	*17.2	11.2	*13.0	7.88	10.5			6.88	*8.68	
	2 m					15.8	*18.4	10.5	*13.3	7.55	10.1			6.58	*8.82	10.9
						15.8	*19.6	10.5	14.2	7.55	10.1			6.58	8.84	
	0 (Ground)					15.1	*19.1	10.0	13.7	7.32	9.88			6.70	9.04	10.6
						15.1	*20.3	10.0	13.7	7.32	9.88			6.70	9.04	
	−2 m	*13.4	*13.4	*18.6	*18.6	15.0	*18.2	9.88	*13.5					7.35	9.92	9.96
		*14.1	*14.1	*19.5	*19.5	15.0	*19.4	9.88	13.5					7.35	9.92	
	−4 m	*23.9	*23.9	*20.9	*20.9	15.3	*15.7	10.1	*11.5					8.95	*9.82	8.78
		*25.6	*25.6	*22,4	*22.4	15.3	*16.8	10.1	*12.3					8.95	*10.5	
	−6 m					*10.3	*10.3							*8.41	*8.41	6.82
						*11.1	*11.1							*9.08	*9.08	
EX550LCH Boom 7.60 m H-boom Arm 3.50 m H-arm Without Bucket Shoes 600 mm	10 m													*8.81	*8.81	7.82
														*9.31	*9.31	
	8 m							*10.2	*10.2					*8.11	*8.11	9.38
								*10.9	*10.9					*8.58	*8.58	
	6 m							*11.0	*11.0	8.31	*9.83			7.82	*7.97	10.3
								*11.7	*11.7	8.31	*10.5			7.82	*8.43	
	4 m					*16.2	*16.2	11.4	*12.2	8.02	*10.2			7.02	*8.21	10.8
						*17.2	*17.2	11.4	*13.0	8.02	*10.9			7.02	*8.68	
	2 m					16.1	*18.4	10.7	*13.3	7.70	*10.7			6.71	*8.82	10.9
						16.1	*19.6	10.7	*14.2	7.70	*11.4			6.71	*9.32	
	0 (Ground)					15.4	*19.1	10.2	*13.9	7.47	*10.8			6.84	9.95	10.6
						15.4	*20.3	10.2	*14.8	7.47	11.2			6.84	10.3	
	−2 m	*13.4	*13.4	*18.6	*18.6	15.3	*18.2	10.1	*13.5					7.50	*10.1	9.96
		*14.1	*14.1	*19.5	*19.5	15.3	*19.4	10.1	*14.4					7.50	*10.8	
	−4 m	*23.9	*23.9	*20.9	*20.9	15.5	*15.7	10.3	*11.5					9.12	*9.82	8.78
		*25.6	*25.6	*22.4	*22.4	15.5	*16.8	10.3	*12.3					9.12	*10.5	
	−6 m					*10.3	*10.3							*8.41	*8.41	6.82
						*11.1	*11.1							*9.08	*9.08	

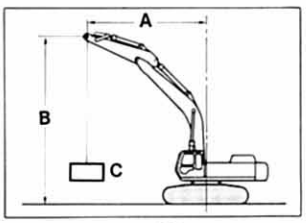
Equipped with heavy lifting system (option)

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

LIFTING CAPACITIES

The lifting capacity is defined by the overload alarm device set pressure. When hydraulic pressure reaches the set pressure, the alarm buzzer sounds.

With retracted bucket cylinder
Overload alarm device switch: ON



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

METRIC MEASURE

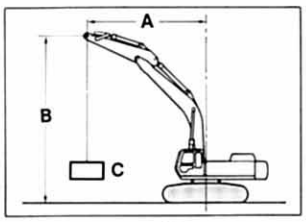
EX550/EX550LC

Rating 360 degrees Unit: 1 000 kg

Condition	Load point height	Load radius						At max reach	
		3 m	4 m	6 m	8 m	10 m	12 m		@ m
Boom 7.60 m Arm 2.90 m Without Bucket Shoes 600 mm Setting pressure: 200 kgf/cm² (19.6 MPa)	10 m							6.69	7.02
	8 m				6.08			5.92	8.73
	6 m			8.03	6.34			5.63	9.74
	4 m			9.34	6.85	5.63		5.52	10.3
	2 m				7.29	5.73		5.50	10.4
	0 (Ground)			10.1	7.37	5.57		5.50	10.1
	−2 m			9.27	6.85			5.41	9.35
	−4 m		9.19	7.38	5.08			4.96	8.08
Boom 7.60 m Arm 3.50 m Without Bucket Shoes 600 mm Setting pressure: 175 kgf/cm² (17.2 MPa)	10 m							4.92	7.82
	8 m				4.70			4.41	9.38
	6 m				4.98	4.27		4.21	10.3
	4 m			7.41	5.44	4.41		4.14	10.8
	2 m			8.26	5.85	4.57		4.13	10.9
	0 (Ground)			8.43	6.01	4.56		4.14	10.6
	−2 m	11.8	10.9	7.90	5.73			4.11	9.96
	−4 m	9.60	8.70	6.57	4.68			3.88	8.78
	−6 m			3.73				2.88	6.82
Boom 7.60 m Arm 4.10 m Without Bucket Shoes 600 mm Setting pressure: 175 kg/cm² (17.2 MPa)	10 m							4.26	8.54
	8 m							3.88	9.99
	6 m				4.56	3.90		3.73	10.9
	4 m			6.85	5.05	4.09		3.68	11.3
	2 m			7.83	5.52	4.30		3.69	11.4
	0 (Ground)			8.21	5.78	4.37		3.72	11.2
	−2 m	13.0	11.5	7.91	5.65	4.13		3.73	10.5
	−4 m	11.2	9.57	6.85	4.90			3.62	9.42
	−6 m		6.19	4.61				3.04	7.63
Boom 7.60 m Arm 5.20 m Without Bucket Shoes 600 mm Setting pressure: 175kgf/cm² (17.2 MPa)	10 m							3.70	9.92
	8 m					3.55		3.47	11.2
	6 m					3.69		3.38	12.0
	4 m				4.79	3.95	3.44	3.36	12.4
	2 m			7.48	5.37	4.25	3.53	3.38	12.5
	0 (Ground)		12.0	8.22	5.80	4.46	3.55	3.43	12.3
	−2 m	11.5	12.8	8.32	5.91	4.45		3.47	11.7
	−4 m	14.5	11.4	7.72	5.54	4.00		3.46	10.7
	−6 m	10.7	8.83	6.22	4.35			3.24	9.15

The lifting capacity is defined by the overload alarm device set pressure. When hydraulic pressure reaches the set pressure, the alarm buzzer sounds.

With retracted bucket cylinder
Overload alarm device switch: ON



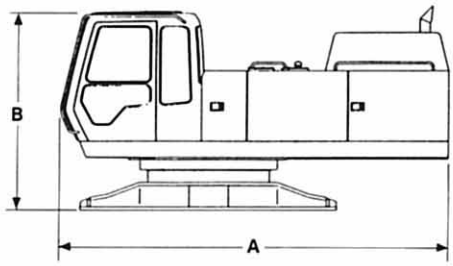
A: Load radius
B: Load point height
C: Lifting capacity

METRIC MEASURE

EX550/EX550LC with BE-front

Rating 360 degrees Unit: 1 000 kg

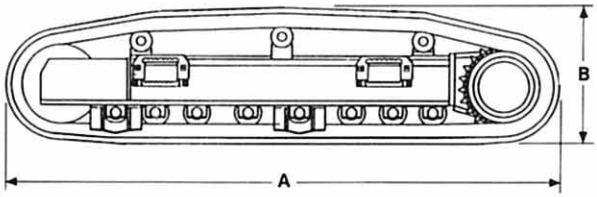
Condition	Load point height	Load radius						At max reach	
		3 m	4 m	6 m	8 m	10 m	12 m		@ m
Boom 6.60 m BE-boom Arm: 2.90 m BE-arm Without Bucket Shoes 600 mm Setting pressure: 175 kgf/cm² (17.2 MPa)	9 m							6.41	6.57
	8 m							5.95	7.46
	6 m			6.93	5.72			5.52	8.62
	4 m			7.88	6.01			5.37	9.21
	2 m			8.70	6.31			5.34	9.33
	0 (Ground)			8.80	6.29			5.33	9.01
	−2 m	12.5	11.1	7.93	5.45			5.19	8.19
	−4 m		7.59	5.45				4.47	6.68
Boom 7.60 m H-boom Arm 3.50 m H-arm Without Bucket Shoes 600 mm Setting pressure: 175 kgf/cm² (17.2 MPa)	10 m							4.73	7.82
	8 m				4.52			4.21	9.38
	6 m				4.77	4.06		3.99	10.3
	4 m			7.13	5.20	4.19		3.91	10.8
	2 m			7.92	5.58	4.32		3.89	10.9
	0 (Ground)			8.06	5.72	4.30		3.90	10.6
	−2 m	11.2	10.3	7.52	5.43			3.85	9.96
	−4 m	9.00	8.21	6.20	4.39			3.61	8.78
	−6 m			3.40				2.59	6.82



Upperstructure

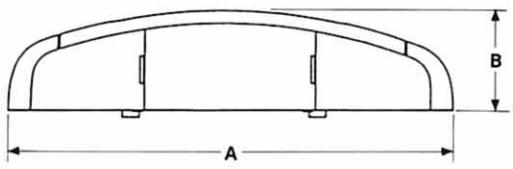
	A	B	Overall width	Weight
EX550 EX550LC	4 950 mm (16'3")	2 550 mm (8'4")	3 290 mm (10'10")	16 600 kg (36 600 lb)
EX550H* EX550LCH*	5 000 mm (16'5")	2 650 mm (8'8")	3 290 mm (10'10")	16 900 kg (37 300 lb)

*With Headguard-integrated cab.



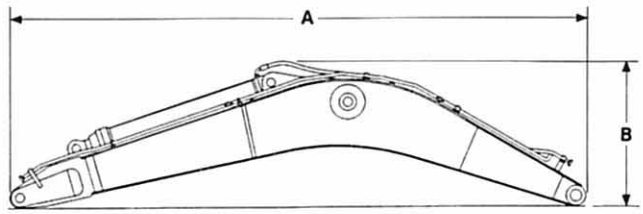
Side frame

	Shoe width	A	B	Overall width	Weight
EX550	600 mm (1'24")	5 330 mm (17'6")	1 310 mm (4'4")	795 mm (2'7")	7 600 kg (16 800 lb)
	750 mm (30")	5 330 mm (17'6")	1 310 mm (4'4")	800 mm (2'7")	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")	795 mm (2'7")	8 100 kg (17 900 lb)
	750 mm (30")	5 680 mm (18'8")	1 310 mm (4'4")	800 mm (2'7")	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")	795 mm (2'7")	7 700 kg (17 000 lb)
EX550LCH	600 mm (24")	5 680 mm (18'8")	1 310 mm (4'4")	795 mm (2'7")	8 100 kg (17 900 lb)



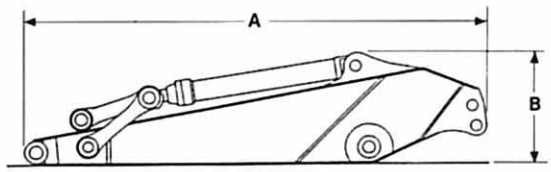
Counterweight

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



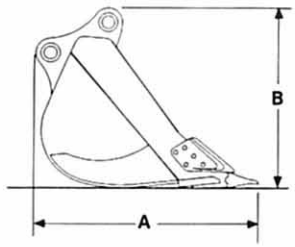
Boom

	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

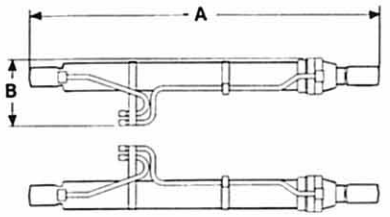
	A	B	Overall width	Weight
2.90 m (9'6") BE-arm	4 290 mm (14'1")	1 440 mm (4'9")	790 mm (2'7")	3 210 kg (7 080 lb)
2.90 m (9'6")	4 290 mm (14'1")	1 440 mm (4'9")	790 mm (2'7")	3 160 kg (6 970 lb)
3.50 m (11'6")	4 880 mm (16'0")	1 200 mm (3'11")	790 mm (2'7")	2 970 kg (6 550 lb)
3.50 m (11'6") H-arm	4 880 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 (7 100 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 PCSA heaped	Capacity CECE heaped	A	B	Overall width	Weight
1.82 m^3 (2.38 yd^3)	1.60 m^3	2 010 mm (6'7")	1 570 mm (5'2")	1 500 mm (4'11")	1 700 kg (3 750 lb)
2.00 m^3 (2.62 yd^3)	1.80 m^3	2 140 mm (7'0")	1 750 mm (5'9")	1 430 mm (4'8")	1 900 kg (4 190 lb)
2.26 m^3 (2.96 yd^3)	2.00 m^3	2 140 mm (7'0")	1 750 mm (5'9")	1 560 mm (5'1")	1 990 kg (4 390 lb)
2.47 m^3 (3.23 yd^3)	2.20 m^3	2 140 mm (7'0")	1 750 mm (5'9")	1 670 mm (5'6")	2 070 kg (4 560 lb)
2.72 m^3 (3.56 yd^3)	2.40 m^3	2 140 mm (7'0")	1 750 mm (5'9")	1 790 mm (5'6")	2 160 kg (4 760 lb)
*2.21 m^3 (2.89 yd^3)	2.00 m^3	2 150 mm (7'1")	1 840 mm (6'0")	1 430 mm (4'8")	2 450 kg (5 400 lb)
3.39 m^3 (4.43 yd^3)	3.00 m^3	2 160 mm (7'1")	1 840 mm (6'0")	1 940 mm (6'4")	2 660 kg (5 870 lb)
*3.00 m^3 (3.92 yd^3)	2.70 m^3	2 240 mm (7'4")	1 900 mm (6'3")	1 610 mm (5'3")	2 820 kg (6 220 lb)

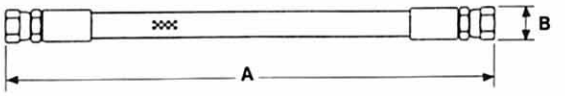
* Rock bucket



Boom cylinders

520 kg (1 150 lb) × 2

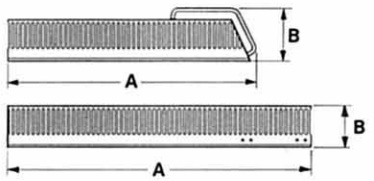
A	B	Overall height
2 660 mm (8′9″)	520 mm (1′8″)	360 mm (1′2″)



Hose of Boom cylinders

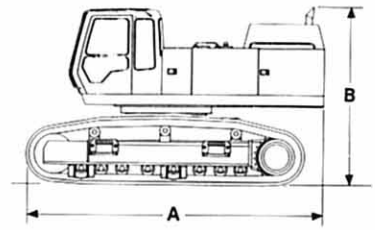
3 kg (7 lb) × 4

A	B	Overall height
1 120 mm (3′8″)	90 mm (3.5″)	90 mm (3.5″)



Left Service walkway

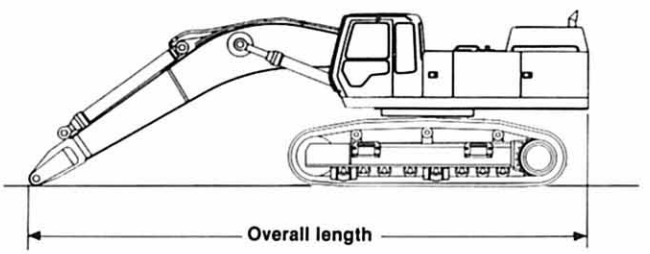
	A	B	Overall height	Weight
Front	1 920 mm (6′4″)	430 mm (1′5″)	130 mm (5.1″)	18 kg (40 lb)
Rear	2 410 mm (7′11″)	340 mm (1′1″)	130 mm (5.1″)	20 kg (44 lb)



Basic machine (without counterweight)

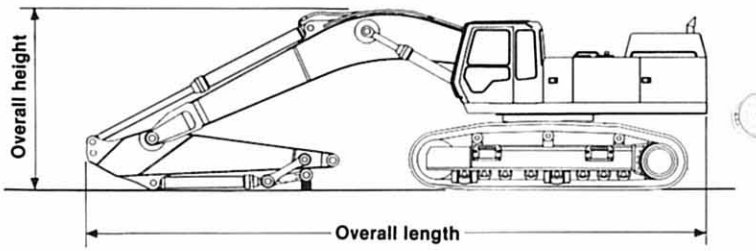
	Shoe width	A	B	Overall width	Weight
EX550	600 mm (24″)	5 730 mm (18′10″)	3 390 mm (11′1″)	3 390 mm (11′1″)	31 800 kg (70 100 lb)
	750 mm (30″)	5 730 mm (18′10″)	3 390 mm (11′1″)	3 450 mm (11′4″)	32 600 kg (71 190 lb)
	900 mm (35″)	5 730 mm (18′10″)	3 390 mm (11′1″)	3 600 mm (11′10″)	33 300 kg (73 400 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) EX55LC(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″)

These specifications are subject to change without notice.

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