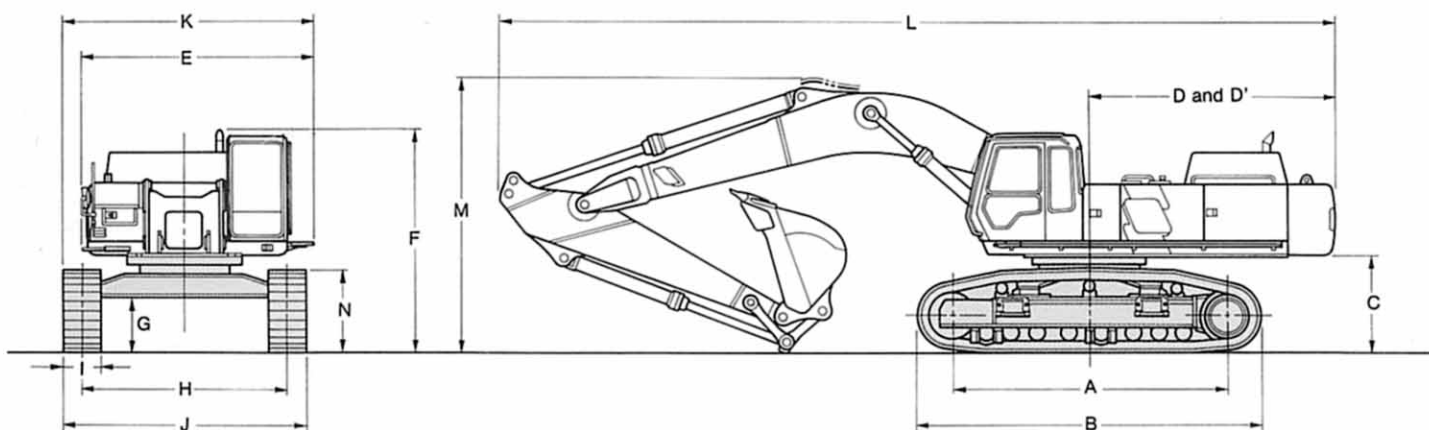


HITACHI

SuperEX EX550/EX600H

- Rated Engine HP: 272 kW (370 PS)
- Operating Weight EX550-3: 53 800 kg (118 600 lb)
EX550LC-3: 54 800 kg (120 800 lb)
EX600H-3: 55 400 kg (122 100 lb)
EX600LCH-3: 56 300 kg (124 100 lb)
- Backhoe Bucket PCSA Heaped: 1.35 — 3.39 m³
(1.76 — 4.43 yd³)
CECE Heaped: 1.20 — 3.00 m³

Specifications



	EX550-3	EX550LC-3
A Distance between tumbler	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.



ENGINE

Model Cummins N14-C400
 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 in³)
 Bore and stroke 142 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/cm², 4 340 psi)
 Swing circuit 31.4 MPa (320 kgf/cm², 4 550 psi)
 Travel circuit 34.3 MPa (350 kgf/cm², 4 980 psi)
 Pilot circuit 3.9 MPa (40 kgf/cm², 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 win-
 dows 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 con-
 trol 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 care-
 fully 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 EX550-3/EX600H-3
 9 EX550LC-3/EX600LCH-3
 Track shoes 49 EX550-3/EX600H-3
 52 EX550LC-3/EX600LCH-3
 Track guard 2 EX550-3
 3 EX550LC-3/EX600H-3/
 EX600LCH-3

Track guard on the EX600H-3 and EX600LCH-3 are rein-
 forced.

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

EX550-3:

Equipped with 7.60 m (24'11") boom, 3.50 m (11'6") arm, and
 2.47 m³ (3.23 yd³; PCSA heaped) bucket.

EX550LC-3

Equipped with 7.60 m (24'11") boom, 3.50 m (11'6") arm, and
 2.72 m³ (3.56 yd³; PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	53 800 kg (118 600 lb)	95 kPa (0.97 kgf/cm ² , 13.8 psi)
		54 800 kg (120 800 lb)	90 kPa (0.92 kgf/cm ² , 13.0 psi)
	750 mm (30")	54 600 kg (120 400 lb)	77 kPa (0.79 kgf/cm ² , 11.2 psi)
		55 700 kg (122 800 lb)	74 kPa (0.75 kgf/cm ² , 10.6 psi)
	900 mm (35")	55 400 kg (122 100 lb)	66 kPa (0.67 kgf/cm ² , 9.53 psi)
		56 600 kg (124 800 lb)	62 kPa (0.63 kgf/cm ² , 8.96 psi)

Figures in are data on the EX550LC-3.

EX600H-3/EX600LCH-3:

Equipped with 7.60 m (24'11") H-boom, 3.50 m (11'6") H-arm,
 and 2.47 m³ (3.23 yd³; PCSA heaped) rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	55 400 kg (122 100 lb)	98 kPa (1.00 kgf/cm ² , 14.2 psi)
		56 300 kg (124 100 lb)	92 kPa (0.94 kgf/cm ² , 13.3 psi)

Figures in are data on the EX600LCH-3.

EX550-3/EX550LC-3 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")	54 600 kg (120 400 lb)	96 kPa (0.98 kgf/cm ² , 13.8 psi)
		55 600 kg (122 600 lb)	91 kPa (0.93 kgf/cm ² , 13.1 psi)
	750 mm (30")	55 400 kg (122 100 lb)	78 kPa (0.80 kgf/cm ² , 11.4 psi)
		56 400 kg (124 300 lb)	75 kPa (0.76 kgf/cm ² , 10.8 psi)
	900 mm (35")	56 300 kg (124 100 lb)	67 kPa (0.68 kgf/cm ² , 9.67 psi)
		57 300 kg (126 300 lb)	63 kPa (0.64 kgf/cm ² , 9.10 psi)

Figures in are data on the EX550LC-3 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

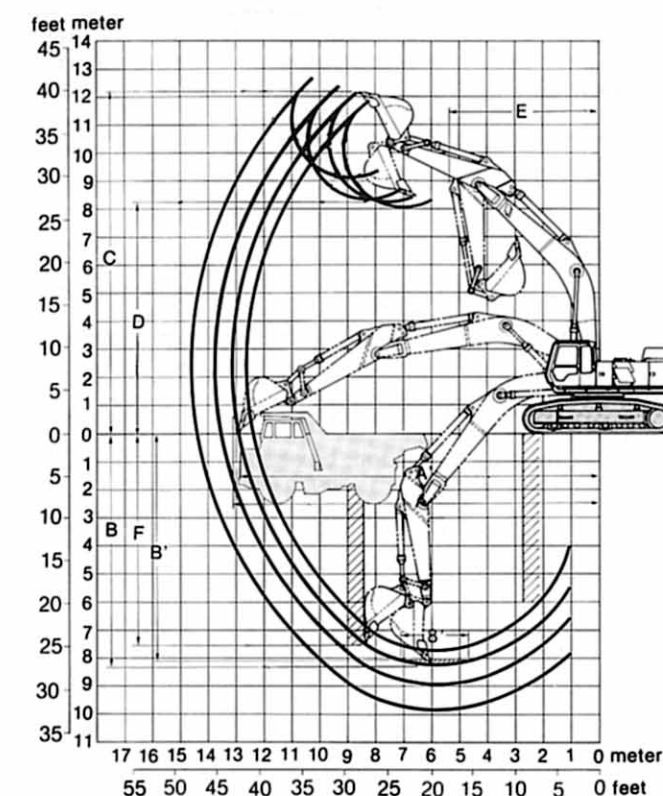


BACKHOE ATTACHMENTS

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

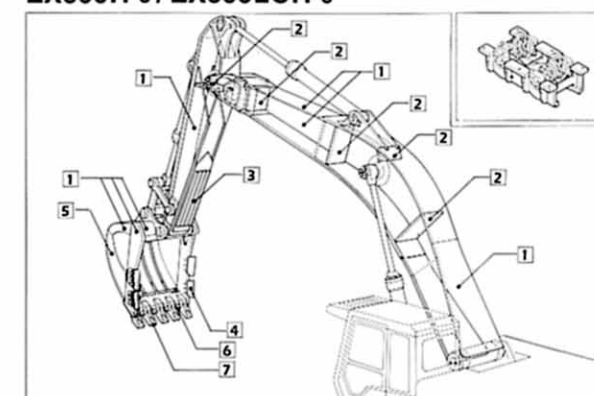


Buckets

Capacity		Width		No. of teeth	Weight	Recommendation							
PCSA heaped	CECE heaped	Without side cutters	With side cutters			EX550-3				EX550LC-3			
						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
1.35 m ³ (1.76 yd ³)	1.20 m ³	1 080 mm (3'7")	1 220 mm (4'0")	5	1 470 kg (3 240 lb)	—	—	—	—	—	—	—	—
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/m³ (3 370 lb/yd³) or less
□ Suitable for materials with density of 1 100 kg/m³ (1 850 lb/yd³) or less
— Not recommended

EX600H-3 / EX600LCH-3



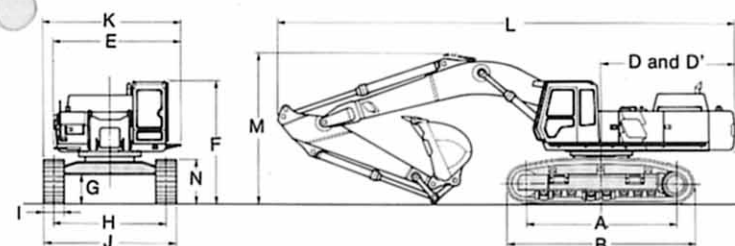
Heavy-duty type

- Headguard-integrated cab (with pressurizer kit)
- H-boom 7.60 m (24'11")
- H-arm 3.50 m (11'6")
- 2.47 m³ (3.23 yd³: PCSA heaped) rock bucket
- H-track guard
- Reinforced undercover for upperstructure

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

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

DIMENSIONS

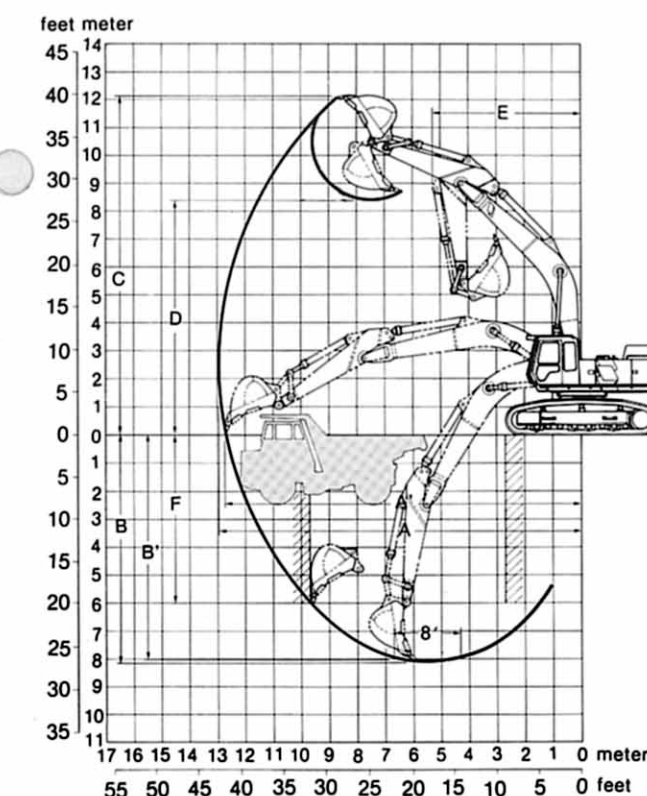


	EX600H-3	EX600LCH-3
A Distance between tumbler	4 250 mm (13'11")	4 600 mm (15'1")
B Undercarriage length	5 330 mm (17'6")	5 680 mm (18'8")
C Counterweight clearance	1 450 mm (4'9")	1 450 mm (4'9")
D Rear-end swing radius	3 800 mm (12'6")	3 800 mm (12'6")
D' Rear-end length	3 800 mm (12'6")	3 800 mm (12'6")
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



	EX600H-3 / EX600LCH-3
Boom length	7.60 m (24'11") H-boom
Arm length	3.50 m (11'6") H-arm
A Max. digging reach	13 010 mm (42'8")
A' Max. digging reach (on ground)	12 770 mm (41'11")
B Max. digging depth	8 260 mm (27'1")
B' Max. digging depth (8' level)	8 120 mm (26'7")
C Max. cutting height	12 090 mm (39'8")
D Max. dumping height	8 310 mm (27'3")
E Min. swing radius	5 260 mm (17'3")
F Max. vertical wall	7 100 mm (23'4")
Bucket digging force*	ISO 288 kN (29 400 kgf, 64 800 lbf) SAE: PCSA 261 kN (26 600 kgf, 58 700 lbf)
Arm digging force*	ISO 218 kN (22 200 kgf, 49 000 lbf) SAE: PCSA 214 kN (21 800 kgf, 48 100 lbf)

Excluding track shoe lug.
* At power boost

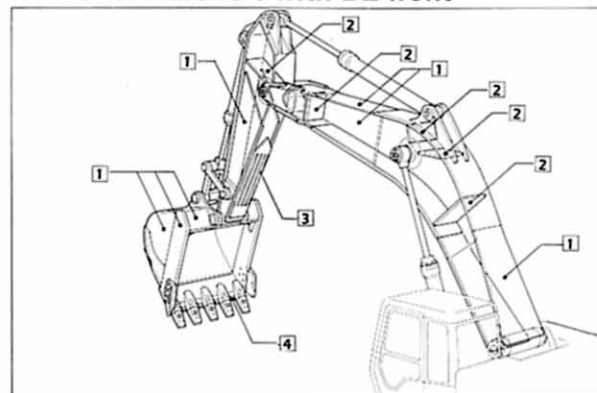
Buckets

Capacity		Width		No. of teeth	Weight	Recommendation	
PCSA heaped	CECE heaped	Without side cutters	With side cutters			EX600H-3 H-arm	EX600LCH-3 H-arm
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)	—	—
*2.47 m ³ (3.23 yd ³)	2.20 m ³	1 530 mm (5'0")	1 530 mm (5'0")	5	2 560 kg (5 640 lb)	—	—

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

TECHNICAL DATA

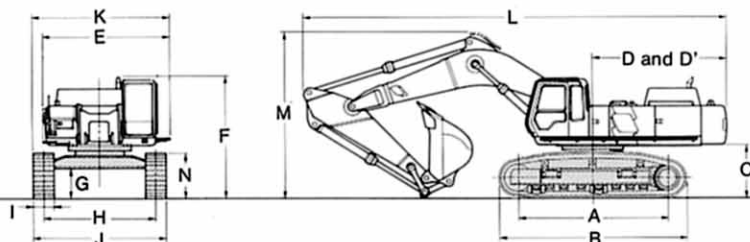
EX550-3/EX550LC-3 with BE-front



- 1 Increased plate thickness
- 2 Bulkheads
- 3 Denting preventing plate with bar
- 4 Cutting-edge shroud

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

DIMENSIONS

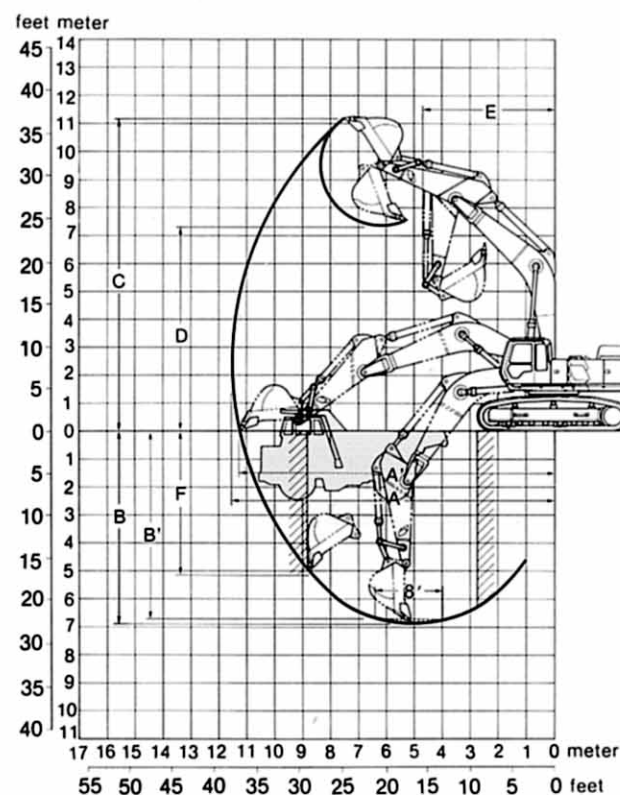


	EX550-3	EX550LC-3
A Distance between tumbler	4 250 mm (13'11")	4 600 mm (15'1")
B Undercarriage length	5 330 mm (17'6")	5 680 mm (18'8")
*C Counterweight clearance	1 450 mm (4'9")	1 450 mm (4'9")
D Rear-end swing radius	3 800 mm (12'6")	3 800 mm (12'6")
D' Rear-end length	3 800 mm (12'6")	3 800 mm (12'6")
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



	EX550-3/EX550LC-3
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*	ISO 313 kN (31 900 kgf, 70 300 lbf)
	SAE: PCSA 281 kN (28 700 kgf, 63 300 lbf)
Arm digging force*	ISO 263 kN (26 800 kgf, 59 100 lbf)
	SAE: PCSA 254 kN (25 900 kgf, 57 100 lbf)

* Excluding track shoe lug.
* At power boost

Buckets

Capacity	Width	No. of teeth	Weight	Recommendation	
				EX550-3 EX550LC-3	EX600H-3 EX600LC-3
PCSA heaped	Without side cutters	5	2 660 kg (5 870 lb)	2.90 m (9'6") BE-arm	2.90 m (9'6") BE-arm
CECE heaped	With side cutters	5	2 820 kg (6 220 lb)	2.90 m (9'6") BE-arm	2.90 m (9'6") BE-arm
3.39 m ³ (4.43 yd ³)	1 800 mm (5'11")	5	2 660 kg (5 870 lb)	●	●
*3.00 m ³ (3.92 yd ³)	1 590 mm (5'2")	5	2 820 kg (6 220 lb)	●	●

* Rock bucket
● Suitable for materials with density of 2 000 kg/m³ (3 370 lb/ft³) or less
● Heavy-duty service

SuperEX

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-idleing system

- 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, 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.

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

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
- 2.47 m³ (3.23 yd³): PCSA heaped bucket: EX550-3
- 2.72 m³ (3.56 yd³): PCSA heaped bucket: EX550LC-3

MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- Fuel filling cap
- Skid-resistant tapes, left side-walk 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 (fresh air induction)
- Air conditioner (internal circulation)
- 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")

- 2.47 m³ (3.23 yd³): PCSA heaped) rock bucket
- H-track guard
- Reinforced undercover for upperstructure
- 9.20 m (30'2") boom

LIFTING CAPACITIES

With retracted bucket cylinder
Overload alarm device switch: OFF

METRIC MEASURE

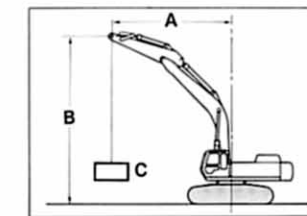
EX550-3

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

Conditions	Load point height	Load radius										At max. reach	
		3 m	4 m	6 m	8 m	10 m	12 m	14 m	16 m	18 m	20 m	22 m	@ m
Boom 7.60 m Arm 2.90 m Without Bucket Shoes 600 mm	10 m											*11.9	7.02
	8 m											*12.6	8.73
	6 m											*10.4	9.74
	4 m											*10.9	10.3
	2 m											*11.6	10.4
	0 (Ground)											*10.6	10.1
	-2 m											*11.1	9.35
	-4 m											*10.1	8.08
	-6 m											*10.9	
	-8 m											*10.9	
Boom 7.60 m Arm 3.50 m Without Bucket Shoes 600 mm	10 m											*8.89	7.82
	8 m											*9.39	9.38
	6 m											*8.19	10.3
	4 m											*8.66	10.8
	2 m											*8.05	10.9
	0 (Ground)											*8.51	10.6
	-2 m											*8.29	9.96
	-4 m											*8.70	8.78
	-6 m											*8.70	6.82
	-8 m											*9.37	
Boom 7.60 m Arm 4.10 m Without Bucket Shoes 600 mm	10 m											*7.18	8.54
	8 m											*7.60	9.99
	6 m											*6.68	10.9
	4 m											*7.08	11.3
	2 m											*6.59	11.4
	0 (Ground)											*6.98	11.2
	-2 m											*6.78	10.5
	-4 m											*6.78	9.42
	-6 m											*8.96	7.63
	-8 m											*9.64	
Boom 7.60 m Arm 5.20 m Without Bucket Shoes 600 mm	10 m											*5.85	9.92
	8 m											*6.19	11.2
	6 m											*5.51	12.0
	4 m											*5.84	12.4
	2 m											*5.44	12.5
	0 (Ground)											*5.77	12.3
	-2 m											*5.56	11.7
	-4 m											*5.99	10.7
	-6 m											*8.63	9.15
	-8 m											*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.



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

With retracted bucket cylinder
Overload alarm device switch: OFF

METRIC MEASURE

EX550LC-3

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

Conditions	Load point height	Load radius										At max. reach	
		3 m	4 m	6 m	8 m	10 m	12 m	14 m	16 m	18 m	20 m	22 m	@ m
Boom 7.60 m Arm 2.90 m Without Bucket Shoes 750 mm	10 m												7.02
	8 m												8.73
	6 m												9.74
	4 m												10.3
	2 m												10.4
	0 (Ground)												10.1
	-2 m												9.35
	-4 m												8.08
	-6 m												
	-8 m												
Boom 7.60 m Arm 3.50 m Without Bucket Shoes 750 mm	10 m												7.82
	8 m												9.38
	6 m												10.3
	4 m												10.8
	2 m												10.9
	0 (Ground)												10.6
	-2 m												9.96
	-4 m												8.78
	-6 m												6.82
	-8 m												
Boom 7.60 m Arm 4.10 m Without Bucket Shoes 750 mm	10 m												8.54
	8 m												9.99
	6 m												10.9
	4 m												11.3
	2 m												11.4
	0 (Ground)												11.2
	-2 m												10.5
	-4 m												9.42
	-6 m												7.63
	-8 m												
Boom 7.60 m Arm 5.20 m Without Bucket Shoes 750 mm	10 m												9.92
	8 m												11.2
	6 m												12.0
	4 m												12.4
	2 m												12.5
	0 (Ground)												12.3
	-2 m												11.7
	-4 m												10.7
	-6 m												9.15
	-8 m												

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

EX550-3/EX550LC-3 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		
		3 m		4 m		6 m		8 m		10 m		12 m		At max. reach		@ m
EX550-3 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	
EX550LC-3 Boom 6.60 m BE-boom Arm 2.90 m BE-arm Without Bucket Shoes 750 mm	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	
	9 m													*13.4	*13.4	6.57
														*14.1	*14.1	
	8 m													*12.7	*12.7	7.46
														*13.3	*13.3	

EX600H-3/EX600LCH-3

Conditions	Load point height	Load radius												At max. reach		
		3 m		4 m		6 m		8 m		10 m		12 m		At max. reach		@ m
EX600H-3 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	
EX600LCH-3 Boom 7.60 m H-boom Arm 3.50 m H-arm Without Bucket Shoes 600 mm	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	
	10 m													*8.81	*8.81	7.82
														*9.31	*9.31	

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.

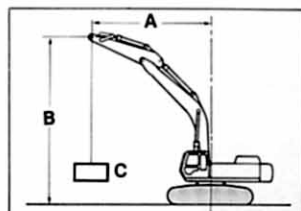
LIFTING CAPACITIES

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

METRIC MEASURE

EX550-3/EX550LC-3



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

Rating 360 degrees Unit: 1 000 kg

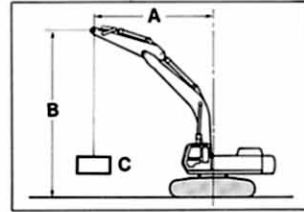
Condition	Load point height	Load radius						At max reach	
		3 m	4 m	6 m	8 m	10 m	12 m		@ m
Boom 7.60 m Arm 2.90 m Without Bucket Shoes 600 mm Setting pressure: 200 kgf/cm ² (19.6 MPa)	10 m							6.69	7.02
	8 m				6.08			5.92	8.73
	6 m			8.03	6.34			5.63	9.74
	4 m			9.34	6.85	5.63		5.52	10.3
	2 m				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/cm ² (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
Boom 7.60 m Arm 4.10 m Without Bucket Shoes 600 mm Setting pressure: 175 kgf/cm ² (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
Boom 7.60 m Arm 5.20 m Without Bucket Shoes 600 mm Setting pressure: 175kgf/cm ² (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
Boom 7.60 m Arm 5.20 m Without Bucket Shoes 600 mm Setting pressure: 175 kgf/cm ² (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

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

METRIC MEASURE

EX550-3/EX550LC-3 with BE-front



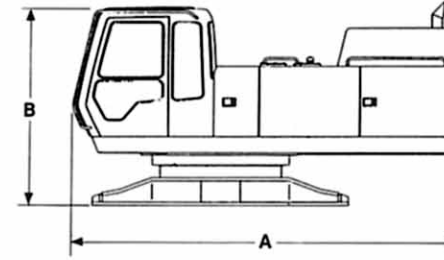
A: Load radius
B: Load point height
C: Lifting capacity

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/cm ² (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
Boom 7.60 m H-boom Arm 3.50 m H-arm Without Bucket Shoes 600 mm Setting pressure: 175 kgf/cm ² (17.2 MPa)	-4 m		7.59	5.45				4.47	6.68
	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

TRANSPORTATION

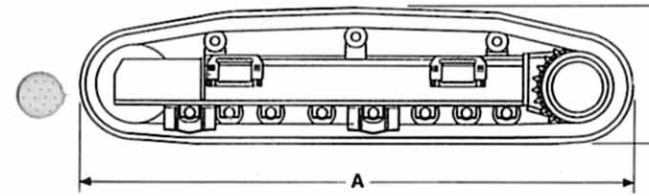
Super EX



Upperstructure

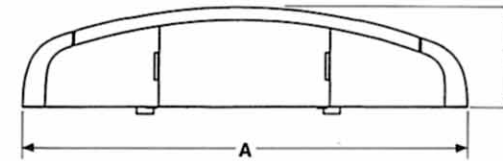
	A	B	Overall width	Weight
EX550-3	4 950 mm (16'3")	2 550 mm (8'4")	3 290 mm (10'10")	16 600 kg (36 600 lb)
EX550LC-3	5 000 mm (16'5")	2 650 mm (8'8")	3 290 mm (10'10")	16 900 kg (37 300 lb)

*With Headguard-integrated cab.



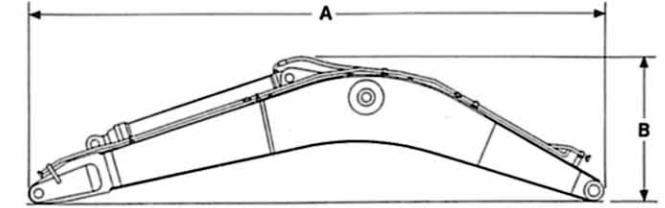
Side frame

	Shoe width	A	B	Overall width	Weight
EX550-3	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-3	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)
EX600H-3	600 mm (24")	5 330 mm (17'6")	1 310 mm (4'4")	795 mm (2'7")	7 700 kg (17 000 lb)
EX600LCH-3	600 mm (24")	5 680 mm (18'8")	1 310 mm (4'4")	795 mm (2'7")	8 100 kg (17 900 lb)



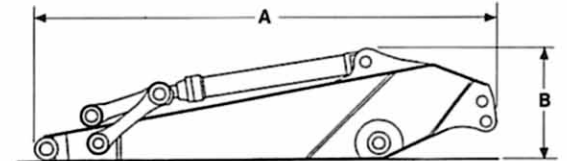
Counterweight

A	B	Overall height	Weight
3 160 mm (10'4")	790 mm (2'7")	1 250 mm (4'1")	10 500 kg (23 200 lb)



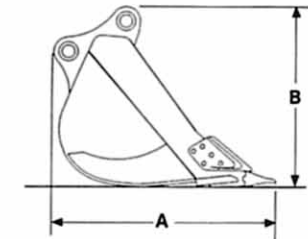
Boom

	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") H-boom	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

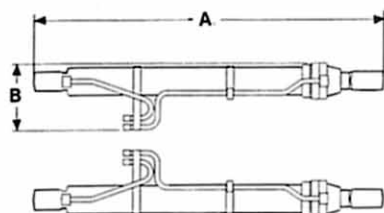
	A	B	Overall width	Weight
2.90 m (9'6") BE-arm	4 290 mm (14'1")	1 440 mm (4'9")	790 mm (2'7")	3 210 kg (7 080 lb)
2.90 m (9'6") H-arm	4 290 mm (14'1")	1 440 mm (4'9")	790 mm (2'7")	3 160 kg (6 970 lb)
3.50 m (11'6") H-arm	4 880 mm (16'0")	1 200 mm (3'11")	790 mm (2'7")	2 970 kg (6 550 lb)
3.50 m (11'6") 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		A	B	Overall width	Weight
PCSA heaped	CECE heaped				
1.35 m ³ (1.76 yd ³)	1.20 m ³	2 010 mm (6'7")	1 570 mm (5'2")	1 220 mm (4'0")	1 470 kg (3 240 lb)
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 (5'9")	2 160 kg (4 760 lb)
*2.47 m ³ (3.23 yd ³)	2.20 m ³	2 150 mm (7'1")	1 840 mm (6'0")	1 530 mm (5'0")	2 580 kg (5 640 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)

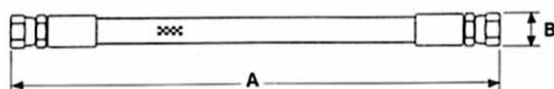
* Rock bucket



Boom cylinders

520 kg (1 150 lb) × 2

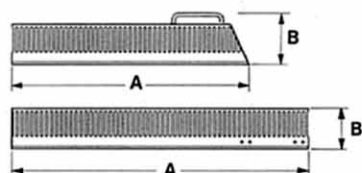
A	B	Overall height
2 660 mm (8'9")	520 mm (1'8")	360 mm (1'2")



Hose of Boom cylinders

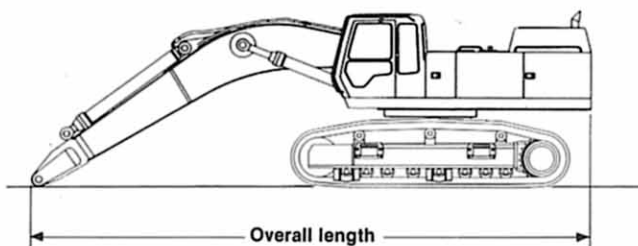
3 kg (7 lb) × 4

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



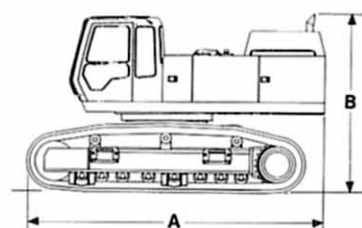
Left Service walkway

	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 (with boom)

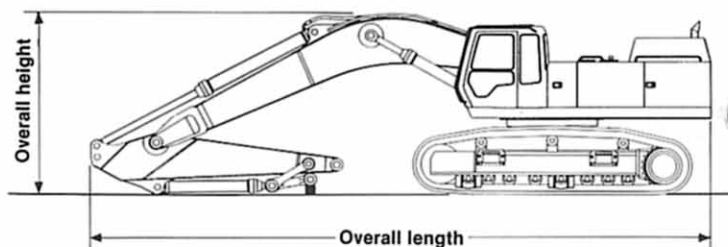
Boom length	Overall length	
EX550(LC)-3	7.60 m (24'11")	
EX600(LC)H-3	7.60 m (24'11") H-boom	10 630 mm (34'11")
EX550-3		
EX550LC-3	6.60 m (21'8") BE-boom	9 570 mm (31'5")



Basic machine (without counterweight)

	Shoe width	A	B	Overall width	Weight
EX550-3	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-3	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)
EX600H-3*	600 mm (24")	5 730 mm (18'10")	3 490 mm (11'5")	3 390 mm (11'1")	32 300 kg (71 200 lb)
EX600LCH-3*	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 and arm)

	Front	Overall height	Overall length
EX550(LC)-3	7.60 m (24'11") boom & 3.50 m (11'6") arm	3 600 mm (11'10")	11 980 mm (39'4")
EX600(LC)H-3	7.60 m (24'11") H-boom & 3.50 m (11'6") H-arm		

These specifications are subject to change without notice.

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