

HITACHI

NEW
SuperEX
EX400

Rated engine HP: 221 kW (300 PS)

Operating weights

EX400-3: 41 000 kg (90 400 lb)

EX400LC-3: 44 100 kg (97 200 lb)

EX400H-3: 42 100 kg (92 800 lb)

EX400LCH-3: 44 000 kg (97 000 lb)

Bucket capacity

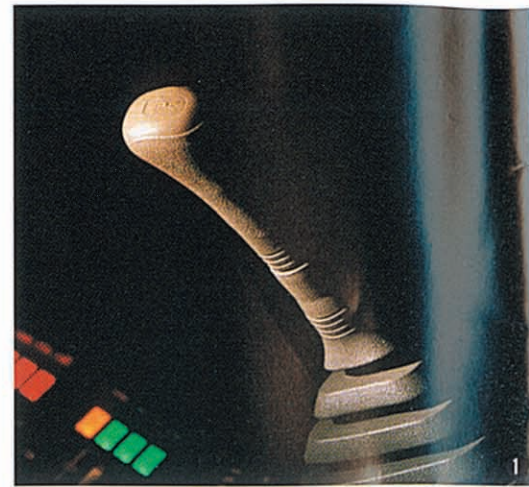
PCSA heaped: 1.36—2.28 m³ (1.78—2.98 yd³)

CECE heaped: 1.20—2.00 m³



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

SuperEX EX400



● Increased Production, Upgraded Performance

The Hitachi EX400-3 gives you the power and speed required for changing job needs. The secret is in its optimum control of the engine and pump, bringing you more power without compromising fuel consumption or low-noise operation.

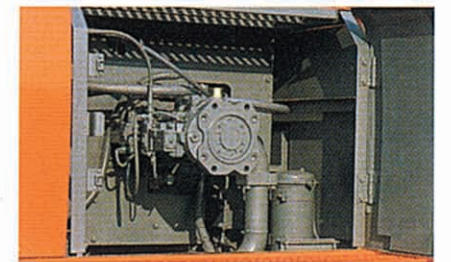
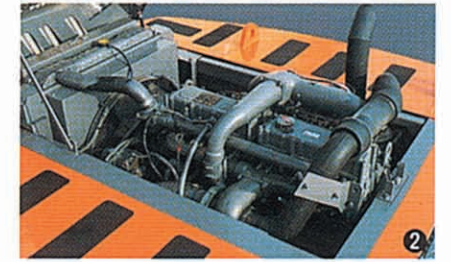
① **Digging Power Boosted on Demand:** And when you need even more power, just press the button ... the EX400-3 can give you the short-term power boost tougher jobs can require.

② **Direct-Injection Turbo-charged Engine:** More power and less fuel consumption ... The Hitachi EX400-3 gives you both with its combustion-efficient, direct-injection 221 kW (300 PS) turbocharged engine and high-pressure pump.

The EX400-3 delivers the big excavating power: Maximum digging force is 23 400 kgf (51 600 lbf) for powerful, efficient excavation under various conditions.

③ **Work Mode Selector:** With the work mode selector, you can select an optimum mode from four work modes — general purpose, trenching, grading and precision modes — to suit job requirements, at one touch of a switch.

The precision mode also serves for powerful crane operation through the heavy lifting system.

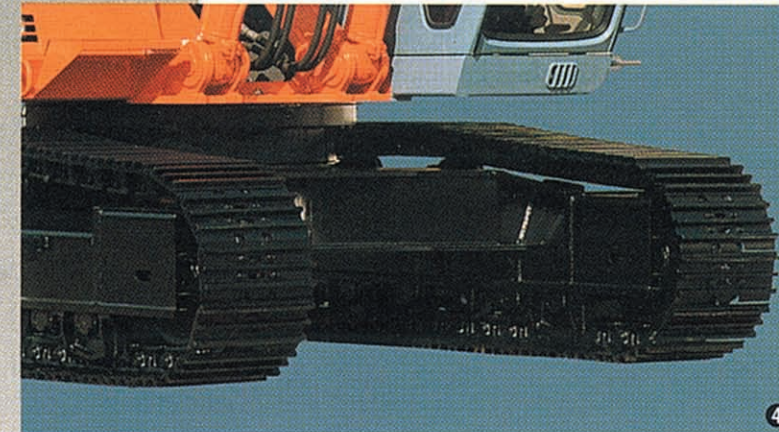


④ **Rapid Job-to-Job Travel:**

Our new travel motor gives you three travel options: a brisk 5.5 km/h (3.4 mph) at the high speed setting, variable high and low speeds using the auto shift setting, and a low speed setting for precision travel. Traction force is increased, too.

● **Smooth, Comfortable Ride:**

Our improved shockless relief valve and damper provide smooth starts and stops of travel, giving you a smooth, comfortable ride that greatly reduces operator fatigue.



- Improved E-P (Engine-Pump) System control for upgraded performance and increased energy savings.
- Time-tested OHS (Optimum Hydraulic System) for efficient combined operation.
- Auto Idle setting for even lower fuel consumption during idling.

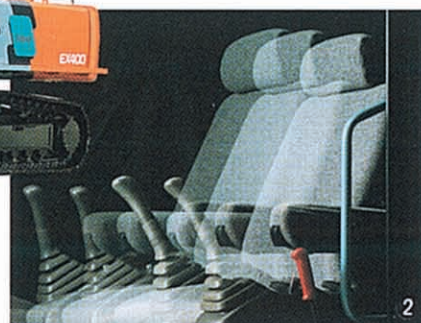
Operator-Friendly Cab for Comfort and Efficiency.



① Low Noise Design:

Machine body is all round-pressed for increased rigidity to avoid resonance. All noise sources are boxed in, using sound-absorbing lining that repels oil.

② **Sliding Cockpit:** The operator seat, termed the sliding cockpit, glides separately, or together with control levers and monitor, panel, adjusting to the proportions of any operator.

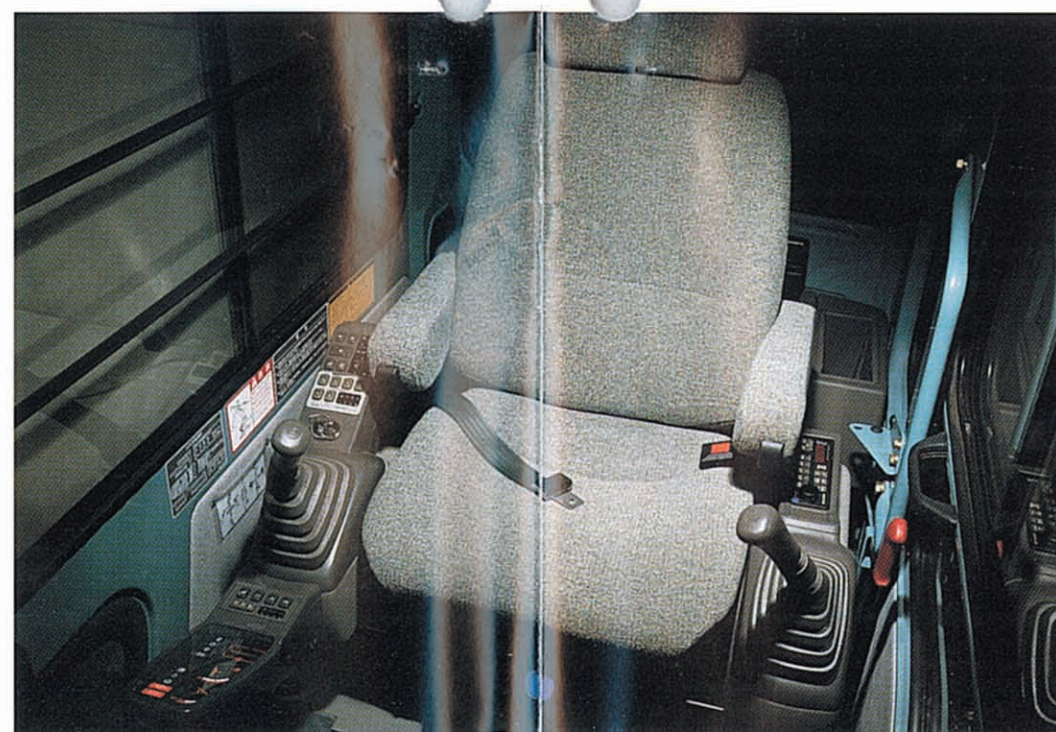
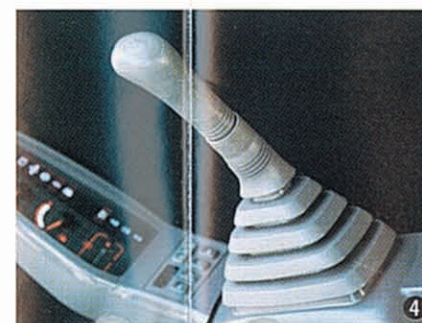
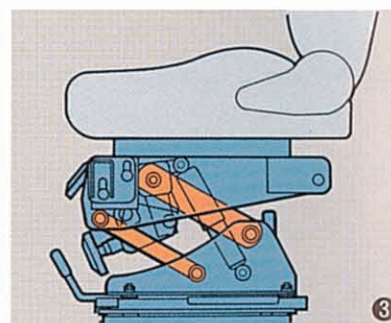


③ Adjustable Suspension

Seat: Seating comfort is further enhanced through the use of I-shaped linkage suspension and cold-foamed seat cushions. This keeps the operator feeling relaxed.

④ **Ergonomically Designed Control Levers:** Pleasant human-touch control is enhanced. Control levers can be shifted with less effort, and lever grips are ergonomically designed.

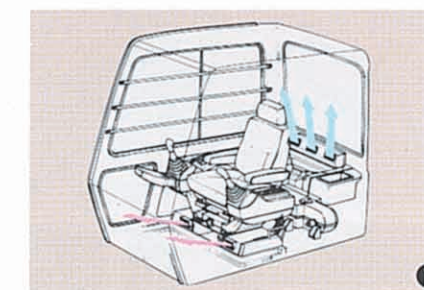
⑤ **Lever Height/Armrest Angle Adjust Mechanisms:** Armrest angle can be adjusted steplessly to operator's proportions, with a choice of two control lever heights for operator comfort and convenience.



⑥ **Easy-to-Read Monitor and Finger-touch Switches:** The monitor is curved for easy reading. Touch switches are resin-molded for dust protection. Each operation can be controlled at the touch of a finger.

⑦ **Air Conditioner (optional):** An air conditioner (internal circulation type), using a freon substitute, maintains the operator comfort all year around, increasing operating efficiency.

- Spring-assisted front window for easy in-cab storage.
- Automobile-type auto-tuning AM-FM clock radio.
- Window washer and intermittent wiper.
- Seat Belt is provided standard.



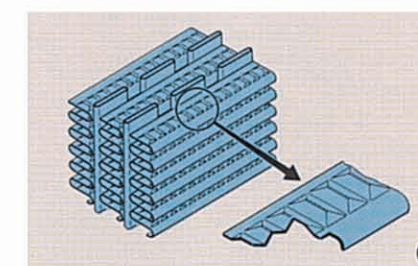
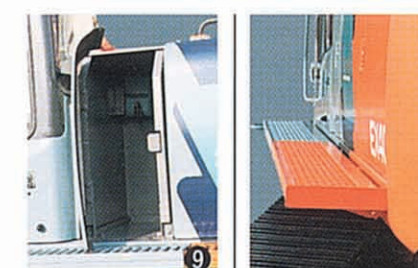
⑧ **Curved Rear Window for Good Rear Visibility** (registered design)

⑨ **Ample Storage Space**

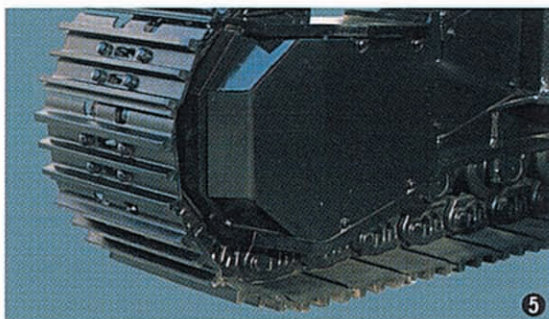
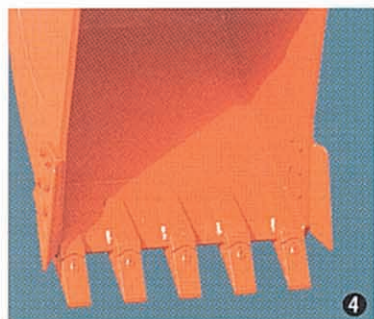
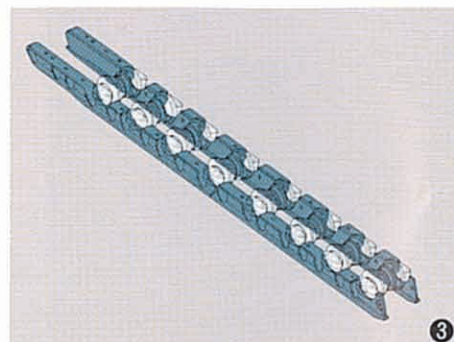
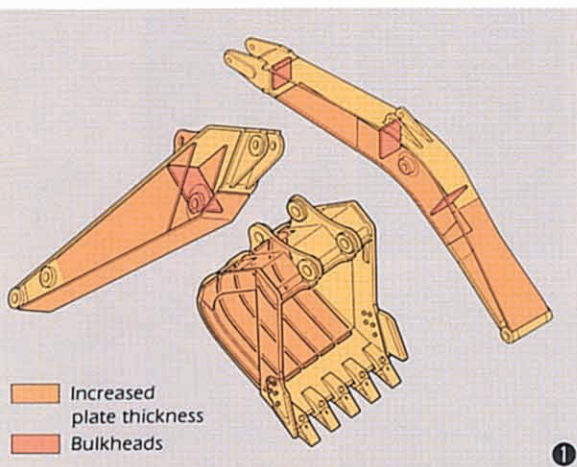
⑩ **Sidewalk for Servicing Convenience:** Sidewalk located on the cab side gives easy access to the engine and hydraulic components for maintenance and servicing.

⑪ **Wave-finned Radiator to Avoid Clogging:** Radiator is fitted with waved fins to prevent clogging and ensure ease of maintenance.

⑫ **Extended Service Intervals:** "Long-life" engine oil filters and full-flow filters as well as long-life coolant make maintenance and servicing simpler and less frequent. The pilot filter keeps dirt out.



Setting New Standard of Dependability



① Reinforced Construction for Tougher Operation:

The boom and arm are reinforced throughout, using new materials and thicker plates to resist stress concentration and strategically-placed internal bulkheads to counteract torsion. Together, they give you more than enough ruggedness for heavy-duty excavation and breaker operation. The bucket is also improved, using thicker plates for added wear resistance.

② Pressurized cab with integrated headguard (optional):

③ Four-split full track guard (optional):

④ Interlocking Mounting for Bucket Side Cutters:

The side cutters are now cast to interlock with the bucket side plates for reduced wear.

⑤ Compact Travel Mechanism:

Compact travel motors and piping are logically arranged inside the track frame for unobstructed travel on rough terrain.

⑥ Rugged D-section Frame Skirt:

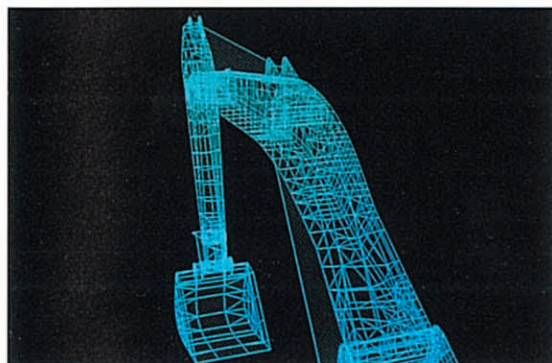
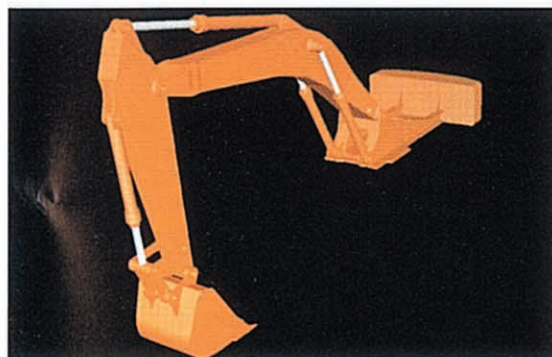
Rugged D-section frame skirt, proven on the EX series, provides high resistance to deformation.

● High Mobility and Stability (EX400LC/LCH):

The side frame can be retracted from 2 990 mm (9'10") to 3 490 mm (11'5") for transport convenience and increase stability.

- Sturdy X-shaped track frame
- Bucket clearance adjustment mechanism
- Rugged, monolithically cast bucket link A
- TIG welding on piping for fatigue resistance
- Strut-reinforced track link
- Electronic devices are all designed for high resistance to shocks, dust and heat
- Positive swing parking brake
- Quick warm-up system for pilot circuit gives quick starts even in cold weather
- Hydraulic warm-up control system for engine and hydraulic oil
- Electric grease gun with hose reel

Heavy-duty type



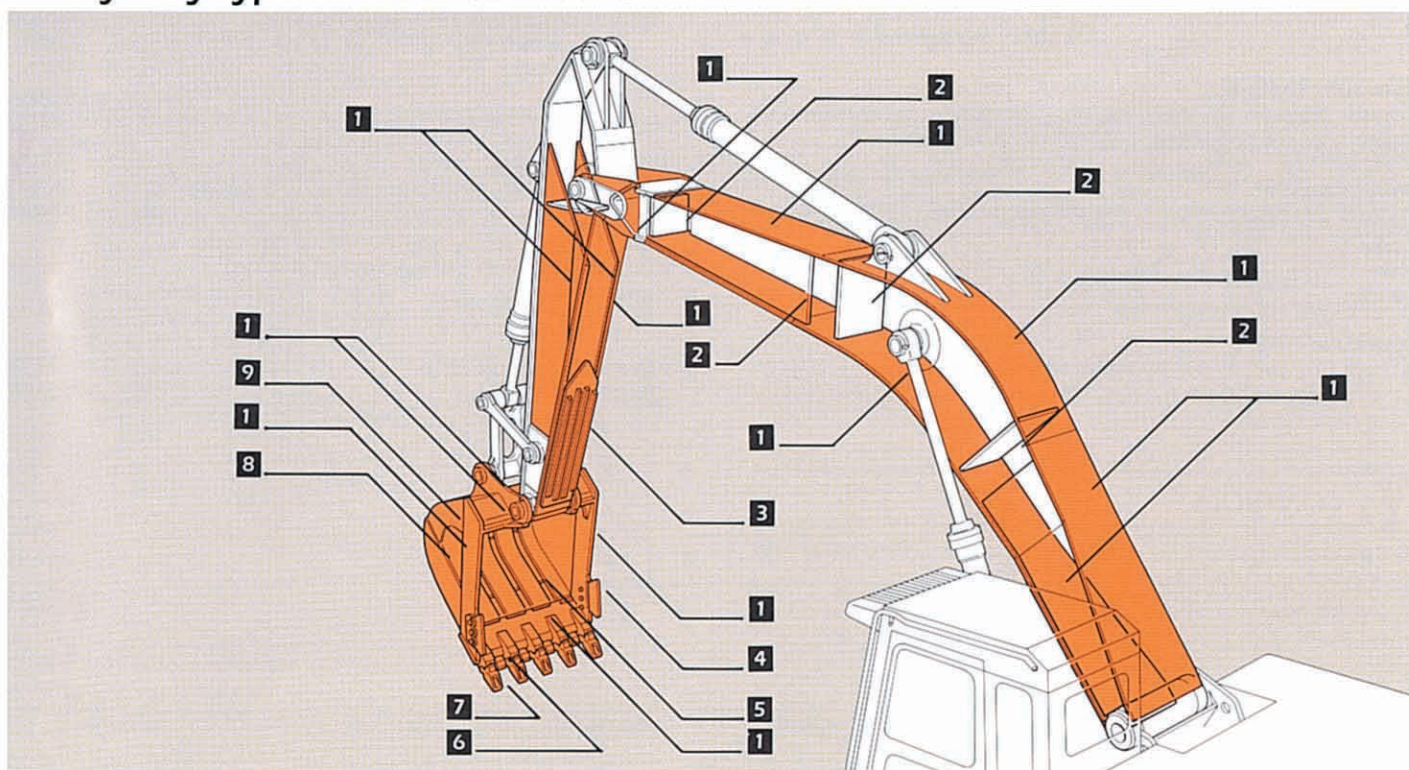
For the EX400H-3 and EX400LCH-3, the front attachment and machine body are reinforced throughout as shown below, while still including the advanced features of the standard EX400-3. As a result, durability is further enhanced for tough jobs such as quarrying and breaker operations.

- Headguard-integrated cab (with pressurizer kit)
- H-boom 7.00 m (23'0")
- H-arm 3.40 m (11'2")
- 1.82 m³ (2.38 yd³; PCSA heaped) rock bucket
- Reinforced undercover for upperstructure

- | | |
|-----------------------------|---------------------------------|
| 1 Increased plate thickness | 7 Increase in bucket tooth size |
| 2 Bulkheads | 8 Changes in shape |
| 3 Denting preventing plate | 9 Reinforced plate |
| 4 Side shroud | |
| 5 Additional wear plate | |
| 6 Cutting-edge shroud | |

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

Heavy-duty type EX400H-/EX400LCH





ENGINE

Model	Isuzu 6RB1 TPO
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged
No. of cylinders	6
Rated flywheel	221 kW (300 PS) at 2 000 min ⁻¹ (rpm)
horsepower (DIN 6271, net)	
Rated flywheel	221 kW (296 HP) at 2 000 min ⁻¹ (rpm)
horsepower (SAE J1349, net)	
Maximum torque	1 230 N.m (125 kgf.m, 904 lbf.ft)
	at 1 400 min ⁻¹ (rpm)
Piston displacement	13.74 L (838 in ³)
Bore and stroke	135 mm × 160 mm (5.3" × 6.3")
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 × 360 L/min (95.1 US gpm, 79.3 Imp gpm)
Pilot pump	1 gear pump
Maximum oil flow	33.6 L/min (8.9 US gpm, 7.4 Imp gpm)

Hydraulic Motors

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

Relief Valve Settings

Implement circuit	29.4 MPa (300 kgf/cm ² , 4 270 psi)
Swing circuit	24.5 MPa (250 kgf/cm ² , 3 560 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	170 mm (6.69")	115 mm (4.53")
Arm	1	190 mm (7.48")	130 mm (5.11")
Bucket	1	170 mm (6.69")	115 mm (4.53")

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.

Implement levers	2
Travel levers with pedals	2



UNDERCARRIAGE

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 reduction 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 9.0 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 Standard Organization



UPPERSTRUCTURE

Tracks

Tractor-type undercarriage. Welded track frame, using carefully selected materials for tough jobs. Side frame welded 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	2 EX400-3/EX400H-3
	3 EX400LC-3/EX400LCH-3
Lower rollers	8 EX400-3/EX400H-3
	9 EX400LC-3/EX400LCH-3
Track shoes	47 EX400-3/EX400H-3
	53 EX400LC-3/EX400LCH-3
Track guard (front)	1
(center)	1 EX400-3
	2 EX400H-3/EX400LC-3/EX400LCH-3
(H-type only)	1 EX400H-3/EX400LCH-3

Traction Device

Each track driven by axial piston motor through reduction gears for counterrotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type.

Two-speed travel, and auto speed shifting.

Travel speeds	High: 0 to 5.5 km/h (3.4 mph)
	Auto: 3.4 to 5.5 km/h (3.4-2.1 mph)
	Low: 0 to 3.4 km/h (2.1 mph)

Maximum traction force 319 kN (32 500 kgf, 71 600 lbf)

Gradeability 35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

Backhoe

EX400-3/EX400LC-3:

Equipped with 7.00 m (23'0") boom, 3.40 m (11'2") arm, and 1.82 m³ (2.38 yd³; PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	41 000 kg (90 400 lb)	74.0 kPa (0.75 kgf/cm ² , 10.67 psi)
		43 000 kg (94 800 lb)	72.0 kPa (0.73 kgf/cm ² , 10.38 psi)
	750 mm (30")	42 000 kg (92 600 lb)	63.0 kPa (0.64 kgf/cm ² , 9.10 psi)
		44 100 kg (97 200 lb)	60.0 kPa (0.61 kgf/cm ² , 8.67 psi)
	900 mm (35")	42 200 kg (93 000 lb)	52.0 kPa (0.53 kgf/cm ² , 7.54 psi)
		44 300 kg (97 700 lb)	50.0 kPa (0.51 kgf/cm ² , 7.25 psi)

Figures in are data on the EX400LC-3.

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.

EX400H-3/EX400LCH-3:

Equipped with 7.00 m (23'0") H-boom, 3.40 m (11'2") H-arm, and 1.82 m³ (2.38 yd³; PCSA heaped) rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	42 100 kg (92 800 lb)	75.0 kPa (0.76 kgf/cm ² , 10.80 psi)
		44 000 kg (97 000 lb)	73.0 kPa (0.74 kgf/cm ² , 10.52 psi)
	750 mm (30")	43 100 kg (95 000 lb)	64.0 kPa (0.65 kgf/cm ² , 9.24 psi)
		45 100 kg (99 400 lb)	61.0 kPa (0.62 kgf/cm ² , 8.82 psi)

Figures in are data on the EX400LCH-3.

Loading Shovel

Equipped with 2.6 m³ (3.40 yd³) bottom dump bucket

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	42 800 kg (94 400 lb)	79.4 kPa (0.81 kgf/cm ² , 11.5 psi)

Equipped with 2.8 m³ (3.66 yd³) tilt dump bucket

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grousers	600 mm (24")	42 400 kg (93 500 lb)	78.5 kPa (0.80 kgf/cm ² , 11.4 psi)

Backhoe Buckets

Capacity		Width		No. of teeth	Weight	Recommendation									
PCSA heaped	CECE heaped	without side cutters	With side cutters			EX400-3				EX400LC-3				EX400H-3	EX400LCH-3
						2.90 m (9'6") arm	3.40 m (11'2") arm	3.90 m (12'10") arm	4.90 m (16'1") arm	2.90 m (9'6") arm	3.40 m (11'2") arm	3.90 m (12'10") arm	4.90 m (16'1") arm	3.40 m (11'2") H-arm	3.40 m (11'2") H-arm
1.36 m ³ (1.78 yd ³)	1.20 m ³	1 280 mm (4'2")	1 410 mm (4'8")	5	1 170 kg (2 580 lb)	—	—	—	⊙	—	—	—	⊙	—	—
1.60 m ³ (2.09 yd ³)	1.40 m ³	1 220 mm (4'0")	1 360 mm (4'6")	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	1 550 kg (3 420 lb)	⊙	⊙	○	—	⊙	⊙	⊙	—	⊙	⊙
2.07 m ³ (2.71 yd ³)	1.80 m ³	1 490 mm (4'11")	1 630 mm (5'4")	5	1 630 kg (3 590 lb)	⊙	○	—	—	⊙	⊙	○	—	○	⊙
2.28 m ³ (2.98 yd ³)	2.00 m ³	1 520 mm (5'0")	1 660 mm (5'5")	5	1 730 kg (3 810 lb)	○	—	—	—	⊙	○	—	—	—	○
*1 1.82 m ³ (2.38 yd ³)	1.60 m ³	1 400 mm (4'7")	1 420 mm (4'8")	5	1 970 kg (4 340 lb)	●	●	—	—	●	●	—	—	●	●
**1 1.36 m ³ (1.78 yd ³)	1.20 m ³	1 170 mm (3'10")	—	1	2 330 kg (5 140 lb)	●	●	—	—	●	●	—	—	●	●
One-point ripper					1 260 kg (2 780 lb)	●	●	—	—	●	●	—	—	●	●

*1 Rock bucket

**2 Ripper bucket

1.82 m³ (2.38 yd³) rock bucket equipped with side shroud. EX400H-3 and EX400LCH-3 equipped with H-front.

Loading Shovel Buckets

Capacity	Max. width	No. of teeth	Weight	Type
2.3 m ³ (3.01 yd ³)	1 860 mm (6'1")	6	3 380 kg (7 450 lb)	Bottom dump type rock bucket
2.6 m ³ (3.40 yd ³)	2 030 mm (6'8")	6	3 050 kg (6 730 lb)	Bottom dump type general purpose bucket
2.6 m ³ (3.40 yd ³)	1 900 mm (6'3")	6	2 740 kg (6 040 lb)	Tilt dump type rock bucket
2.8 m ³ (3.66 yd ³)	2 000 mm (6'7")	6	2 820 kg (6 220 lb)	Tilt dump type general purpose bucket



SERVICE REFILL CAPACITIES

	liters	US gal	Imp gal
Fuel tank	590.0	155.9	129.8
Engine coolant	45.0	11.9	9.9
Engine oil	50.0	13.2	11.0
Pump drive	1.6	0.4	0.4
Swing mechanism	8.2	4.3	3.6
(each side)			
Travel final device	10.0	5.3	4.4
(each side)			
Hydraulic system	520.0	137.4	114.4
Hydraulic tank	268.0	70.8	59.0



BACKHOE ATTACHMENTS

Boom and arms of all-welded, box-section design. 7.00 m (23'0") boom, 2.90 m (9'6"), 3.40 m (11'2"), 3.90 m (12'10") and 4.90 m (16'1") arms are available. Bucket is of all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

EX400H-3/EX400LCH-3: The EX400H-3 and EX400LCH-3 are heavy-duty type featuring the reinforced H-boom and H-arm, and 1.82 m³ (2.38 yd³; PCSA heaped) rock bucket.



LOADING SHOVEL ATTACHMENTS

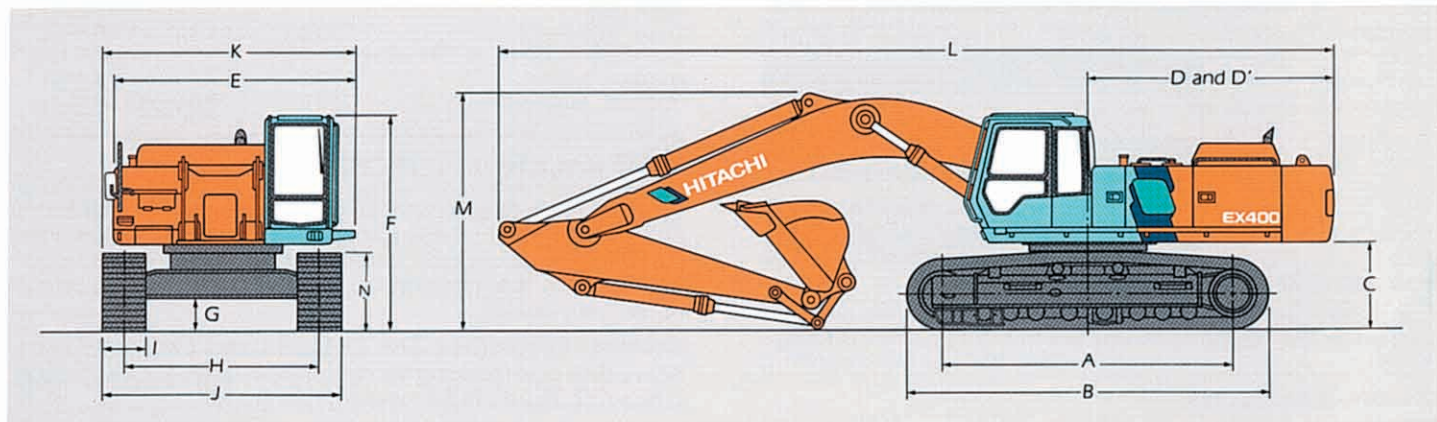
Boom and arm are of all-welded, low-stress full-box section design. Efficient, automatic horizontal crowding achieved by one-lever control because the parallel link mechanism keeps the bucket digging angle constant, and the level cylinder circuit maintains the bucket height constant.

⊙ Suitable for materials with density of 2 000 kg/m³ (3 370 lb/yd³) or less
○ Suitable for materials with density of 1 600 kg/m³ (2 700 lb/yd³) or less
● Heavy-duty service
— Not recommended

BACKHOE

EX400-3 / EX400LC-3

DIMENSIONS

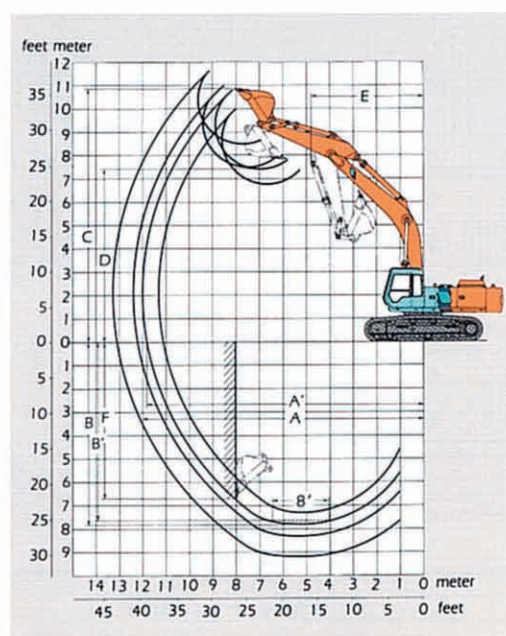


	EX400-3	EX400LC-3
A Distance between tumblers	4 050 mm (13'3")	4 470 mm (14'8")
B Undercarriage length	5 050 mm (16'7")	5 470 mm (17'11")
*C Counterweight clearance	1 230 mm (4'0")	1 350 mm (4'5")
D Rear-end swing radius		3 470 mm (11'5")
D' Rear-end length		3 450 mm (11'4")
E Overall width of upperstructure		3 470 mm (11'5")
F Overall height of cab	3 090 mm (10'2")	3 210 mm (10'6")
*G Min. ground clearance	496 mm (19.5")	735 mm (28.9")
H Track gauge	2 740 mm (9'0")	—
Extended / Retracted	—	2 890 mm (9'6") / 2 390 mm (7'10")
I Track shoe width	G 600 mm (24")	G 750 mm (30")
J Undercarriage width	3 340 mm (10'11")	—
Extended / Retracted	—	3 640 mm (11'11") / 3 140 mm (10'4")
K Overall width	3 510 mm (11'6")	3 660 mm (12'0")
L Overall length	11 820 mm (38'9")	11 790 mm (38'8")
M Overall height of boom	3 450 mm (11'4")	3 480 mm (11'5")
N Track height	1 140 mm (3'9")	1 220 mm (4'0")

Notes: 1. Equipped with 3.40 m (11'2") arm.
2. *Excluding track shoe lug.

G: Triple grouser shoe

WORKING RANGES

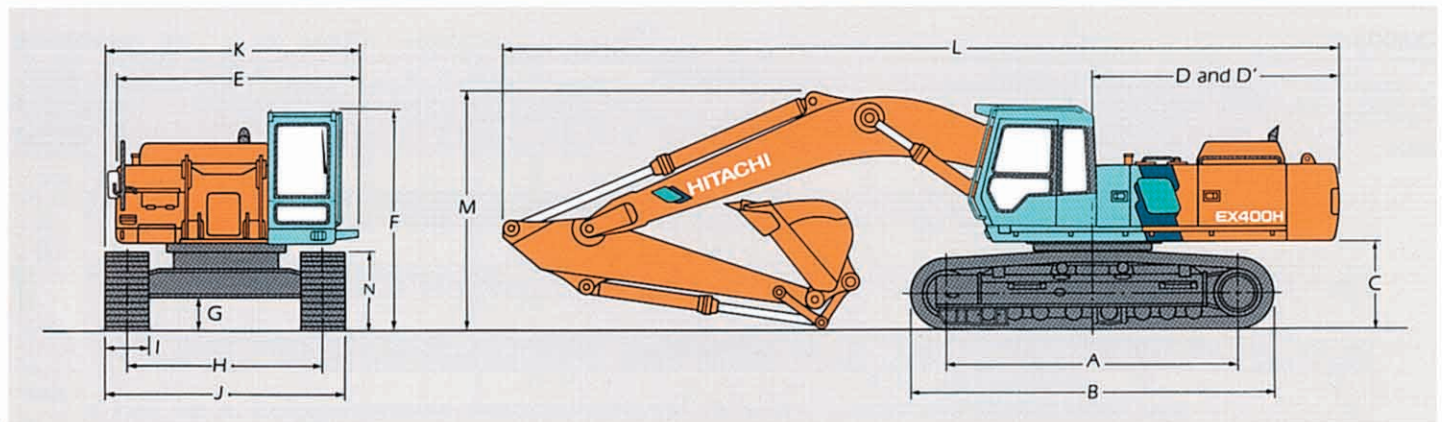


Arm length	2.90 m (9'6")		3.40 m (11'2")		3.90 m (12'10")		4.90 m (16'1")	
Type of undercarriage	EX400-3	EX400LC-3	EX400-3	EX400LC-3	EX400-3	EX400LC-3	EX400-3	EX400LC-3
A Max. digging reach	11 390 mm (37'4")	11 420 mm (37'6")	12 050 mm (39'6")		12 480 mm (40'11")		13 380 mm (43'11")	
A' Max. digging reach (on ground)	11 180 mm (36'8")	11 190 mm (36'9")	11 860 mm (38'11")	11 810 mm (38'9")	12 290 mm (40'4")	12 270 mm (40'3")	13 200 mm (43'4")	13 180 mm (43'3")
B Max. digging depth	7 390 mm (24'3")	7 300 mm (23'11")	7 890 mm (25'11")	7 760 mm (25'6")	8 390 mm (27'6")	8 260 mm (27'1")	9 240 mm (30'4")	9 110 mm (29'11")
B' Max. digging depth (8' level)	7 190 mm (23'7")	7 100 mm (23'4")	7 750 mm (25'5")	7 620 mm (25'0")	8 260 mm (27'1")	8 130 mm (26'8")	9 120 mm (29'11")	9 000 mm (29'6")
C Max. cutting height	10 150 mm (33'4")	10 270 mm (33'8")	10 950 mm (35'11")	11 080 mm (36'4")	11 050 mm (36'3")	11 180 mm (36'8")	11 730 mm (38'6")	11 850 mm (38'11")
D Max. dumping height	6 910 mm (22'8")	7 000 mm (23'0")	7 540 mm (24'9")	7 660 mm (25'2")	7 660 mm (25'2")	7 780 mm (25'6")	8 640 mm (28'4")	8 770 mm (28'9")
E Min. swing radius	4 920 mm (16'2")		4 840 mm (15'11")		4 810 mm (15'9")		4 820 mm (15'10")	
F Max. vertical wall	5 460 mm (17'11")	4 780 mm (15'8")	6 780 mm (22'3")	6 660 mm (21'10")	7 170 mm (23'6")	7 040 mm (23'1")	8 580 mm (28'2")	8 450 mm (27'9")
Bucket digging force	224.5 kN (22 900 kgf, 50 500 lbf)		229.4 kN (23 400 kgf, 51 600 lbf)		225.5 kN (23 000 kgf, 50 700 lbf)		186.3 kN (19 000 kgf, 41 900 lbf)	
Arm digging force	220.6 kN (22 500 kgf, 49 600 lbf)		189.3 kN (19 300 kgf, 42 500 lbf)		171.6 kN (17 500 kgf, 38 600 lbf)		152.0 kN (15 500 kgf, 34 000 lbf)	

Excluding track shoe lug

EX400H-3 / EX400LCH-3

DIMENSIONS

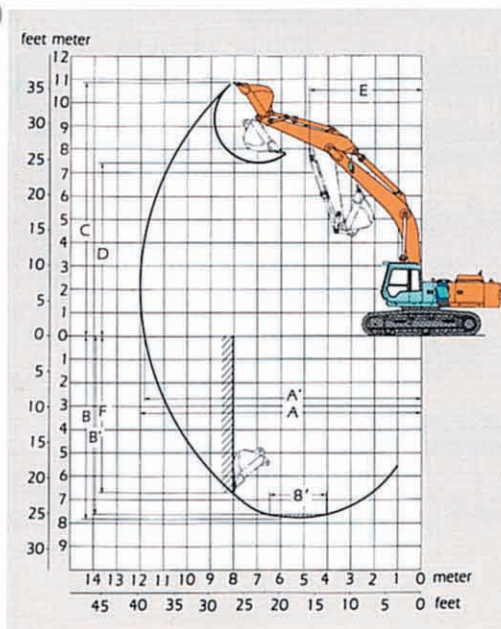


	EX400H-3	EX400LCH-3
A Distance between tumblers	4 050 mm (13'3")	4 470 mm (14'8")
B Undercarriage length	5 050 mm (16'7")	5 470 mm (17'11")
*C Counterweight clearance	1 230 mm (4'0")	1 350 mm (4'5")
D Rear-end swing radius	3 470 mm (11'5")	
D' Rear-end length	3 450 mm (11'4")	
E Overall width of upperstructure	3 470 mm (11'5")	
F Overall height of cab	3 210 mm (10'6")	3 330 mm (10'11")
*G Min. ground clearance	496 mm (19.5")	735 mm (28.9")
H Track gauge	2 740 mm (9'0")	—
I Track shoe width	G 600 mm (24")	
J Undercarriage width	3 340 mm (10'11")	—
Extended / Retracted	—	3 490 mm (11'5") / 2 990 mm (9'10")
K Overall width	3 510 mm (11'6")	3 590 mm (11'9")
L Overall length	11 820 mm (38'9")	11 790 mm (38'8")
M Overall height of boom	3 450 mm (11'4")	3 480 mm (11'5")
N Track height	1 140 mm (3'9")	1 210 mm (4'0")

Notes: 1. Equipped with 3.40 m (11'2") H-arm and H-boom.
2. *Excluding track shoe lug.

G: Triple grouser shoe

WORKING RANGES

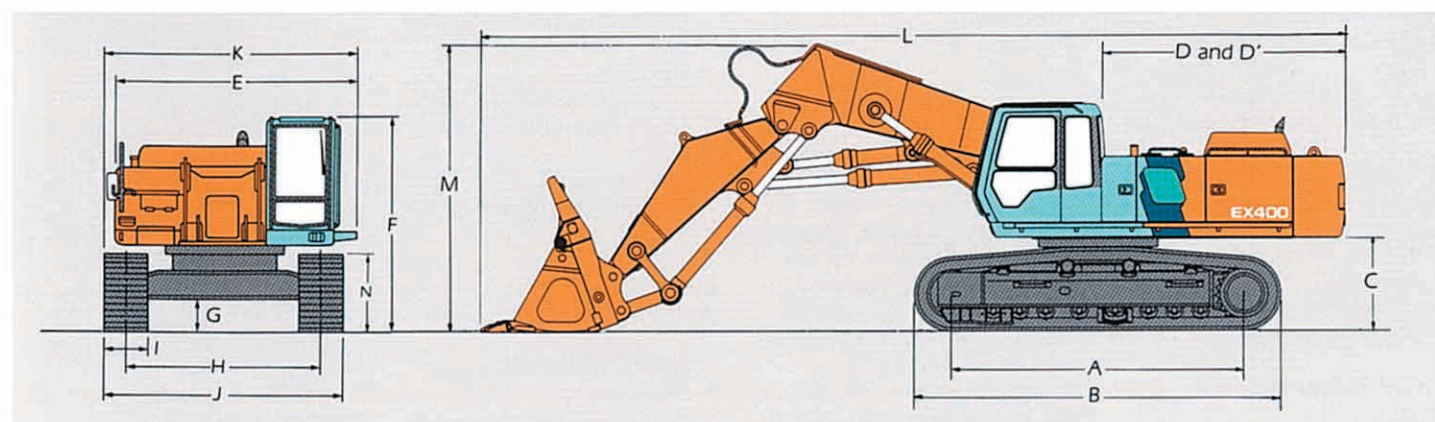


Arm length	3.40 m (11'2") H-arm	
Type of undercarriage	EX400H-3	EX400LCH-3
A Max. digging reach	12 050 mm (39'6")	
A' Max. digging reach (on ground)	11 860 mm (38'11")	11 810 mm (38'9")
B Max. digging depth	7 890 mm (25'11")	7 760 mm (25'6")
B' Max. digging depth (8° level)	7 750 mm (25'5")	7 620 mm (25'0")
C Max. cutting height	10 950 mm (35'11")	11 080 mm (36'4")
D Max. dumping height	7 540 mm (24'9")	7 660 mm (25'2")
E Min. swing radius	4 840 mm (15'11")	
F Max. vertical wall	6 780 mm (22'3")	6 660 mm (21'10")
Bucket digging force	233.4 kN (23 800 kgf, 52 500 lbf)	
Arm digging force	191.3 kN (19 500 kgf, 42 500 lbf)	

Excluding track shoe lug.

LOADING SHOVEL EX400-3

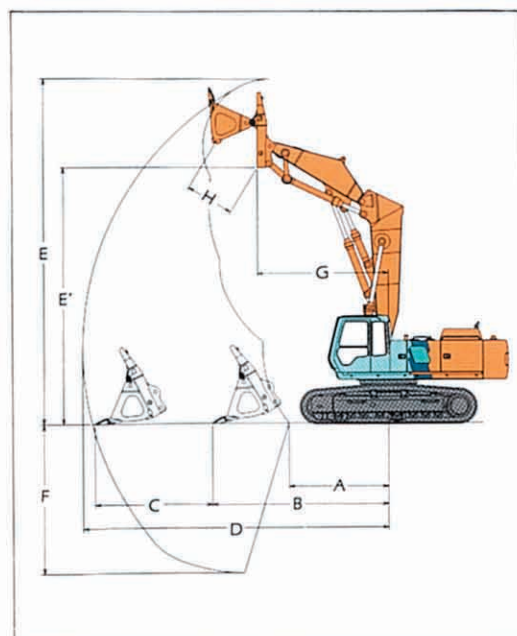
DIMENSIONS



	EX400-3
A Distance between tumbler	4 050 mm (13'3")
B Undercarriage length	5 050 mm (16'7")
*C Counterweight clearance	1 230 mm (4'0")
D Rear-end swing radius	3 470 mm (11'5")
D' Rear-end length	3 450 mm (11'4")
E Overall width of upperstructure	3 470 mm (11'5")
F Overall height of cab	3 090 mm (10'2")
*G Min. ground clearance	496 mm (19.5")
H Track gauge	2 740 mm (9'0")
I Track shoe width	G 600 mm (24")
J Undercarriage width	3 340 mm (10'11")
Extended / Retracted	—
K Overall width	3 510 mm (11'6")
*L Overall length	11 900 mm (39'1")
M Overall height of boom	4 000 mm (13'1")
N Track height	1 140 mm (3'9")

Notes: *Excluding track shoe lug.

WORKING RANGES



Type of bucket	Bottom dump type	Tilt dump type
A Min. digging distance	2 860 mm (9'5")	2 360 mm (7'9")
B Min. level crowding distance	5 070 mm (16'8")	5 030 mm (16'6")
C Level crowding distance	3 340 mm (10'11")	3 370 mm (11'1")
D Max. digging reach	8 760 mm (28'9")	8 720 mm (28'7")
E Max. cutting height	9 940 mm (32'7")	9 900 mm (32'6")
E' Max. dumping height	7 370 mm (24'2")	4 290 mm (14'1")
F Max. digging depth	4 260 mm (14'0")	4 230 mm (13'10")
G Working radius at max. dumping height	3 760 mm (12'4")	4 460 mm (14'8")
H Max. bucket opening width	1 390 mm (4'7")	—
Crowding force	296.2 kN (30 200 kgf, 66 600 lbf)	305.0 kN (31 100 kgf, 68 600 lbf)
Breakout force	270.7 kN (27 600 kgf, 60 900 lbf)	258.9 kN (26 400 kgf, 58 200 lbf)

STANDARD EQUIPMENT

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

ENGINE

- 40 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
- 8 800 kg (19 400 lb) counterweight
- 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:
- Track guard

FRONT ATTACHMENTS

- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dirt seals on all bucket pins
- 3.40 m (11'2") arm
- 1.82 m³ (2.38 yd³: PCSA heaped) bucket

MISCELLANEOUS

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

OPTIONAL EQUIPMENT

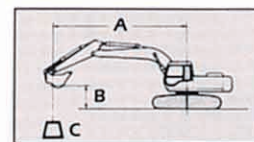
Optional equipment may vary by country, so please consult your Hitachi dealer for details.

- 750 mm (30") triple grouser shoes
- 900 mm (35") triple grouser shoes
- Track guard for H (for STD & LC)
- Full track guard
- Air conditioner
- Hose rupture valve

- Swing alarm with lamps
- Travel alarm with cancel switch
- Ladder
- Right-side walkway
- Electric fuel refilling pump
- Electric grease gun with hose reel

- Headguard-integrated cab (with pressurizer kit)
- H-boom 7.00 m (23'0")
- H-arm 3.40 m (11'2")
- 1.82 m³ (2.38 yd³: PCSA heaped) rock bucket
- Reinforced undercover for upperstructure

LIFTING CAPACITIES



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

METRIC MEASURE

EX400-3



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 kg (1 000 lb)

Conditions	Load point height m (ft in)	Load radius																m (ft in)		At max. reach		
		4 (13'1")	5 (16'5")	6 (19'8")	7 (23'0")	8 (26'3")	9 (29'6")	10 (32'10")	11 (36'1")	12 (39'4")											@ m (ft in)	
Boom 7.00 m (23'0") Arm 2.90 m (9'6") Bucket PCSA: 2.07 m³ (2.71 yd³) CECE: 1.80 m³ Shoes 600 mm (24")	8 (26'3")																			5.49 (12.1)	*5.98 (13.2)	9.21 (30'3")
	7 (23'0")								6.95 (15.3)	*8.11 (17.9)										4.71 (10.4)	*5.96 (13.1)	9.82 (32'2")
	6 (19'8")								6.95 (15.3)	*8.69 (19.2)										4.71 (10.4)	*4.08 (9.0)	
																			4.18 (9.2)	*6.01 (13.3)	10.27 (33'8")	
																			4.18 (9.2)	*4.07 (9.0)		
	4 (13'1")		14.07 (31.0)	*14.51 (32.0)	10.53 (23.2)	*11.78 (26.0)	8.15 (18.0)	*10.14 (22.4)	6.44 (14.2)	*9.05 (19.9)	5.14 (11.3)	8.19 (18.1)							3.57 (7.9)	*5.90 (13.0)	10.79 (35'5")	
			14.07 (31.0)	*15.47 (34.1)	10.53 (23.2)	*12.59 (27.8)	8.15 (18.0)	*10.85 (23.9)	6.44 (14.2)	*9.70 (21.4)	5.14 (11.3)	8.19 (18.1)							3.57 (7.9)	*4.19 (9.2)		
	2 (6'7")																					

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.

METRIC MEASURE

EX400-3



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 kg (1 000 lb)

Conditions	Load point height m (ft in)	Load radius																m (ft in)		At max. reach																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		4 (13'1")		5 (16'5")		6 (19'8")		7 (23'0")		8 (26'3")		9 (29'6")		10 (32'10")		11 (36'1")		12 (39'4")																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Boom 7.00 m (23'0") Arm 3.90 m (12'10") Bucket PCSA: 1.60 m ³ (2.09 yd ³) CECE: 1.40 m ³ Shoes 600 mm (24")	8 (26'3")																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

Boom 7.00 m (23'0") Arm 4.90 m (16'1") Bucket PCSA: 1.36 m ³ (1.78 yd ³) CECE: 1.20 m ³ Shoes 600 mm (24")	8 (26'3")																			
	7 (23'0")																			
	6 (19'8")																			
	4 (13'1")																			
	2 (6'7")																			
	0 (Ground)																			
	-2 (-6'7")																			
	-4 (-13'1")																			
	-6 (-19'8")																			
	-8 (-26'3")																			
	-10 (-32'10")																			

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

EX400LC-3

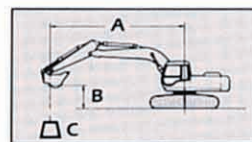


Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 lb (1 000 kg)



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

Conditions	Load point height	Load radius												At max. reach		
		10 ft (3.05 m)		15 ft (4.57 m)		20 ft (6.10 m)		25 ft (7.62 m)		30 ft (9.14 m)		35 ft (10.67 m)		At max. reach		ft in (m)
Boom 23'0" (7.00 m) Arm 9'6" (2.90 m) Bucket PCSA: 2.98 yd ³ (2.28 m ³) Shoes 30" (750 mm)	25 ft (7.62 m)							*17.7 (8.0)	*17.7 (8.0)					*11.8 (5.4)	*11.8 (5.4)	31'7" (9.6)
	20 ft (6.10 m)							*19.0 (8.6)	*19.0 (8.6)					*12.6 (5.7)	*12.6 (5.7)	34'0" (10.4)
	15 ft (4.57 m)			*32.8 (14.9)	*32.8 (14.9)	*24.1 (10.9)	*24.1 (10.9)	18.1 (8.2)	*19.9 (9.0)	12.8 (5.8)	*17.6 (8.0)			9.4 (4.2)	*12.4 (5.6)	35'5" (10.8)
	10 ft (3.05 m)					24.4 (11.1)	*28.3 (12.8)	17.0 (7.7)	*21.9 (9.9)	12.3 (5.6)	*18.5 (8.4)			8.8 (4.0)	*13.2 (6.0)	36'0" (11.0)
	5 ft (1.52 m)					22.7 (10.3)	*31.4 (14.3)	16.1 (7.3)	*23.8 (10.8)	11.8 (5.4)	*19.4 (8.8)			8.7 (3.9)	*14.4 (6.5)	35'8" (10.9)
	0 (Ground)					21.9 (9.9)	*32.5 (14.7)	15.4 (7.0)	*24.8 (11.2)	11.4 (5.2)	*19.9 (9.0)			9.0 (4.1)	*16.2 (7.4)	34'7" (10.5)
	-5 ft (-1.52 m)			35.1 (15.9)	*40.1 (18.2)	21.6 (9.8)	*31.6 (14.3)	15.1 (6.9)	*24.5 (11.1)	11.3 (5.1)	*19.3 (8.8)			10.1 (4.6)	*16.3 (7.4)	32'6" (9.9)
	-10 ft (-3.05 m)	*41.5 (18.8)	*41.5 (18.8)	35.5 (16.1)	*35.9 (16.3)	21.8 (9.9)	*28.9 (13.1)	15.2 (6.9)	*22.6 (10.3)							
	-15 ft (-4.57 m)					22.3 (10.1)	*29.2 (13.3)	15.7 (7.1)	*23.9 (10.8)							
	-20 ft (-6.10 m)					22.3 (10.1)	*31.4 (14.3)	15.7 (7.1)	*25.7 (11.7)							
	-25 ft (-7.62 m)															
Boom 23'0" (7.00 m) Arm 11'2" (3.40 m) Bucket PCSA: 2.71 yd ³ (2.07 m ³) Shoes 30" (750 mm)	25 ft (7.62 m)													*8.3 (3.8)	*8.4 (3.8)	33'10" (10.3)
	20 ft (6.10 m)							*17.4 (7.9)	*17.4 (7.9)	13.7 (6.2)	*16.4 (7.4)			*8.2 (3.7)	*8.2 (3.7)	36'0" (11.0)
	15 ft (4.57 m)					*22.8 (10.4)	*22.8 (10.4)	18.7 (8.5)	*19.1 (8.7)	13.4 (6.1)	*17.1 (7.7)			*8.4 (3.8)	*8.4 (3.8)	37'4" (11.4)
	10 ft (3.05 m)					25.4 (11.5)	*27.2 (12.3)	17.7 (8.0)	*21.5 (9.7)	12.8 (5.8)	*18.2 (8.3)			8.2 (3.7)	*8.8 (4.0)	37'10" (11.5)
	5 ft (1.52 m)					23.6 (10.7)	*30.9 (14.0)	16.7 (7.6)	*23.6 (10.7)	12.3 (5.6)	*19.3 (8.8)			8.1 (3.7)	*9.5 (4.3)	37'7" (11.1)
	0 (Ground)			*23.0 (10.4)	*23.0 (10.4)	22.5 (10.2)	*32.7 (14.8)	15.9 (7.2)	*24.9 (11.3)	11.8 (5.4)	*20.1 (9.1)			8.4 (3.8)	*10.5 (4.8)	36'7" (11.1)
	-5 ft (-1.52 m)			35.3 (16.0)	*39.3 (17.8)	22.0 (10.0)	*34.8 (15.8)	15.5 (7.0)	*25.1 (11.4)	11.5 (5.2)	*20.0 (9.1)			9.2 (4.2)	*12.1 (5.5)	32'10" (9.7)
	-10 ft (-3.05 m)	*35.3 (16.0)	*35.3 (16.0)	35.6 (16.2)	*39.2 (17.8)	22.0 (10.0)	*30.6 (13.9)	15.4 (7.0)	*23.8 (10.8)	11.6 (5.2)	*18.4 (8.3)			10.9 (4.9)	*14.6 (6.6)	31'9" (9.7)
	-15 ft (-4.57 m)	*39.7 (18.0)	*39.7 (18.0)	33.2 (15.1)	*33.2 (15.1)	22.4 (10.2)	*26.4 (12.0)	15.7 (7.1)	*20.3 (9.2)					*13.3 (6.0)	*13.3 (6.0)	27'3" (8.3)
	-20 ft (-6.10 m)					23.5 (10.7)	*23.5 (10.7)	18.5 (8.4)								
	-25 ft (-7.62 m)					25.3 (11.5)	*25.3 (11.5)	20.0 (9.1)								

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.

ENGLISH MEASURE

EX400LC-3



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 lb (1 000 kg)

Conditions	Load point height	Load radius										At max. reach		
		10 ft (3.05 m)		15 ft (4.57 m)		20 ft (6.10 m)		25 ft (7.62 m)		30 ft (9.14 m)		35 ft (10.67 m)		ft in (m)
Boom 23'0" (7.00 m) Arm 12'10" (3.90 m) Bucket PCSA: 2.38 yd ³ (1.82 m ³) Shoes 30" (750 mm)	25 ft (7.62 m)									*10.1 (4.6)	*10.1 (4.6)			35'5" (10.8)
										*10.8 (4.9)	*10.8 (4.9)			
	20 ft (6.10 m)									14.0 (6.4)	*15.3 (6.9)			37'6" (11.4)
										14.0 (6.4)	*16.4 (7.5)			
	15 ft (4.57 m)							*18.0 (8.2)	*18.0 (8.2)	13.6 (6.2)	*16.2 (7.3)	9.0 (4.1)	9.0 (4.1)	38'9" (11.8)
								19.0 (8.6)	*19.3 (8.8)	13.6 (6.2)	*17.4 (7.9)	9.0 (4.1)	9.7 (4.4)	
	10 ft (3.05 m)			*36.3 (16.5)	*36.3 (16.5)	*25.9 (11.7)	*25.9 (11.7)	17.9 (8.1)	*20.4 (9.3)	13.0 (5.9)	*17.4 (7.9)	9.5 (4.3)	13.9 (6.3)	39'3" (12.0)
				*38.7 (17.5)	*38.7 (17.5)	25.9 (11.8)	*27.3 (12.4)	17.9 (8.1)	*21.8 (9.9)	13.0 (5.9)	*18.7 (8.5)	9.5 (4.3)	14.8 (6.7)	
	5 ft (1.52 m)			*32.1 (14.6)	*32.1 (14.6)	23.9 (10.9)	*29.7 (13.5)	16.8 (7.6)	*22.8 (10.3)	12.3 (5.6)	*18.7 (8.5)	9.2 (4.2)	16.1 (7.3)	39'0" (11.9)
				*34.0 (15.4)	*34.0 (15.4)	23.9 (10.9)	*31.7 (14.4)	16.8 (7.6)	*24.4 (11.1)	12.3 (5.6)	*20.2 (9.1)	9.2 (4.2)	16.4 (7.4)	
	0 (ground)			*29.7 (13.5)	*29.7 (13.5)	22.6 (10.3)	*32.2 (14.6)	16.0 (7.2)	*24.4 (11.1)	11.8 (5.4)	*19.7 (8.9)	8.9 (4.1)	16.1 (7.3)	38'0" (11.6)
				*31.5 (14.3)	*31.5 (14.3)	22.6 (10.3)	*34.4 (15.6)	16.0 (7.2)	*26.2 (11.9)	11.8 (5.4)	20.8 (9.4)	8.9 (4.1)	16.1 (7.3)	
Boom 23'0" (7.00 m) Arm 16'1" (4.90 m) Bucket PCSA: 1.78 yd ³ (1.36 m ³) Shoes 30" (750 mm)	-5 ft (-1.52 m)	*17.6 (8.0)	*17.6 (8.0)	35.0 (15.9)	*40.2 (18.3)	22.0 (10.0)	*32.7 (14.8)	15.5 (7.0)	*25.0 (11.4)	11.5 (5.2)	*20.0 (9.1)			36'3" (11.0)
		*18.7 (8.5)	*18.7 (8.5)	35.0 (15.9)	*42.5 (19.3)	22.0 (10.0)	*34.8 (15.8)	15.5 (7.0)	*26.9 (12.2)	11.5 (5.2)	20.4 (9.3)			
	-10 ft (-3.05 m)	*33.6 (15.2)	*33.6 (15.2)	35.2 (16.0)	*41.2 (18.7)	21.8 (9.9)	*31.3 (14.2)	15.3 (6.9)	*24.3 (11.0)	11.4 (5.2)	*19.0 (8.6)			33'5" (10.2)
		*35.5 (16.1)	*35.5 (16.1)	35.2 (16.0)	*44.0 (20.0)	21.8 (9.9)	*33.5 (15.2)	15.3 (6.9)	*26.1 (11.8)	11.4 (5.2)	20.3 (9.2)			
	-15 ft (-4.57 m)	*45.9 (20.8)	*45.9 (20.8)	35.8 (16.2)	*36.0 (16.3)	22.1 (10.0)	*28.0 (12.7)	15.5 (7.0)	*21.7 (9.8)					29'4" (8.9)
		*49.1 (22.3)	*49.1 (22.3)	35.8 (16.2)	*38.5 (17.5)	22.1 (10.0)	*30.0 (13.6)	15.5 (7.0)	*23.3 (10.6)					
	-20 ft (-6.10 m)			*27.5 (12.5)	*27.5 (12.5)	21.6 (9.8)	*21.6 (9.8)	*15.2 (6.9)	*15.2 (6.9)					
				*29.5 (13.4)	*29.5 (13.4)	22.8 (10.4)	*23.2 (10.5)	16.2 (7.3)	*16.5 (7.5)					
	30 ft (9.14 m)											*7.1 (3.2)	*7.1 (3.2)	36'0" (11.0)
												*7.6 (3.5)	*7.6 (3.5)	
	25 ft (7.62 m)											*6.8 (3.1)	*6.8 (3.1)	38'10" (11.8)
												*7.3 (3.3)	*7.3 (3.3)	
Boom 23'0" (7.00 m) Arm 16'1" (4.90 m) Bucket PCSA: 1.78 yd ³ (1.36 m ³) Shoes 30" (750 mm)	20 ft (6.10 m)									*14.4 (6.5)	*14.4 (6.5)	11.5 (5.2)	*12.4 (5.6)	40'9" (12.4)
										*15.4 (7.0)	*15.4 (7.0)	11.5 (5.2)	13.2 (6.2)	
	15 ft (4.57 m)									15.1 (6.8)	*15.5 (7.0)	11.2 (5.1)	*14.6 (6.6)	41'10" (12.8)
										15.1 (6.8)	*16.6 (7.5)	11.2 (5.1)	15.7 (7.1)	
	10 ft (3.05 m)							*19.4 (8.8)	*19.4 (8.8)	14.4 (6.5)	*17.0 (7.7)	10.9 (4.9)	*15.5 (7.0)	42'4" (12.8)
								19.6 (8.9)	*20.7 (9.4)	14.4 (6.5)	*18.2 (8.3)	10.9 (4.9)	16.6 (7.5)	
	5 ft (1.52 m)			*39.8 (18.1)	*39.8 (18.1)	26.0 (11.8)	*28.1 (12.7)	18.4 (8.3)	*22.1 (10.0)	13.7 (6.2)	*18.6 (8.5)	10.4 (4.7)	*16.4 (7.4)	42'2" (12.8)
				40.3 (18.3)	*42.4 (19.2)	26.0 (11.8)	*29.9 (13.6)	18.4 (8.3)	*23.7 (10.7)	13.7 (6.2)	*20.0 (9.1)	10.4 (4.7)	17.6 (8.0)	
	0 (Ground)			37.3 (16.9)	*38.8 (17.6)	24.2 (11.0)	*31.7 (14.4)	17.3 (7.9)	*24.4 (11.1)	13.0 (5.9)	*20.0 (9.1)	10.0 (4.6)	*17.1 (7.8)	41'3" (12.6)
				37.3 (16.9)	*41.0 (18.6)	24.2 (11.0)	*33.8 (15.3)	17.3 (7.9)	*26.1 (11.8)	13.0 (5.9)	*21.5 (9.7)	10.0 (4.6)	17.2 (7.8)	
	-5 ft (-1.52 m)	*17.3 (7.8)	*17.3 (7.8)	36.0 (16.3)	*39.7 (18.0)	23.2 (10.5)	*33.5 (15.2)	16.6 (7.5)	*25.8 (11.7)	12.5 (5.7)	*20.9 (9.5)	9.7 (4.4)	16.9 (7.6)	39'8" (12.1)
		*18.4 (8.3)	*18.4 (8.3)	36.0 (16.3)	*41.9 (19.0)	23.2 (10.5)	*35.7 (16.2)	16.6 (7.5)	*27.5 (12.5)	12.5 (5.7)	*21.5 (9.7)	9.7 (4.4)	16.9 (7.6)	
Boom 23'0" (7.00 m) Arm 16'1" (4.90 m) Bucket PCSA: 1.78 yd ³ (1.36 m ³) Shoes 30" (750 mm)	-10 ft (-3.05 m)	*27.3 (12.4)	*27.3 (12.4)	35.7 (16.2)	*45.3 (20.6)	22.7 (10.3)	*33.4 (15.2)	16.2 (7.3)	*25.0 (11.3)	12.2 (5.6)	*20.8 (9.4)	9.6 (4.4)	16.7 (7.6)	37'3" (11.4)
		*28.9 (13.1)	*28.9 (13.1)	35.7 (16.2)	*48.3 (21.9)	22.7 (10.3)	*35.7 (16.2)	16.2 (7.3)	*27.7 (12.6)	12.2 (5.6)	21.2 (9.6)	9.6 (4.4)	16.7 (7.6)	
	-15 ft (-4.57 m)	*39.9 (18.1)	*39.9 (18.1)	35.9 (16.3)	*41.7 (18.9)	22.6 (10.3)	*31.5 (14.3)	16.1 (7.3)	*24.6 (11.2)	12.2 (5.6)	*19.4 (8.8)			33'10" (10.3)
		*42.1 (19.1)	*42.1 (19.1)	35.9 (16.3)	*44.5 (20.2)	22.6 (10.3)	*33.7 (15.3)	16.1 (7.3)	*26.4 (12.0)	12.2 (5.6)	*20.8 (9.4)			
	-20 ft (-6.10 m)	*47.6 (21.6)	*47.6 (21.6)	35.4 (16.1)	*35.4 (16.1)	23.1 (10.5)	*27.3 (12.4)	16.4 (7.5)	*21.1 (9.6)					28'11" (8.8)
		*50.9 (23.1)	*50.9 (23.1)	36.7 (16.6)	*37.9 (17.2)	23.1 (10.5)	*29.3 (13.3)	16.4 (7.5)	*22.6 (10.3)					
	-25 ft (-7.62 m)			*25.0 (11.3)	*25.0 (11.3)	*19.1 (8.7)	*19.1 (8.7)							
				*26.9 (12.2)	*26.9 (12.2)	*20.6 (9.3)	*20.6 (9.3)							

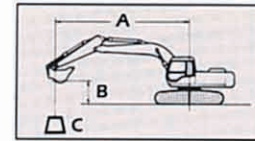
with heavy-lifting system

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

EX400H-3



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 kg (1 000 lb)

Conditions	Load point height m (ft in)	Load radius																m (ft in)		At max. reach				
		4 (13'1")		5 (16'5")		6 (19'8")		7 (23'0")		8 (26'3")		9 (29'6")		10 (32'10")		11 (36'1")		12 (39'4")		m (ft in)	@			
Boom 7.00 m (23'0") H-boom Arm 3.40 m (11'2") H-arm Bucket PCSA: 1.82 m³ (2.38 yd³) CECE: 1.60 m³ Rock bucket Shoes 600 mm (24")	8 (26'3")									*6.77 (14.9)	*6.77 (14.9)									*3.41 (7.5)	*3.41 (7.5)	10.13 (33'3")		
	7 (23'0")									6.87 (15.1)	*7.22 (15.9)									*3.69 (8.1)	*3.69 (8.1)	10.67 (35'0")		
	6 (19'8")									6.85 (15.1)	*7.04 (15.5)	5.24 (11.6)	*5.63 (12.4)							*3.35 (7.4)	*3.35 (7.4)	10.67 (35'0")		
	4 (13'1")									6.85 (15.1)	*7.58 (16.7)	5.24 (11.6)	*6.03 (13.3)							*3.63 (8.0)	*3.63 (8.0)	11.08 (36'4")		
	2 (6'7")									6.72 (14.8)	*7.28 (16.0)	5.21 (11.5)	*6.97 (15.4)							3.27 (7.2)	*3.34 (7.4)	11.54 (37'10")		
	0 (Ground)									6.72 (14.8)	*7.83 (17.3)	5.21 (11.5)	*7.52 (16.6)							3.27 (7.2)	*3.62 (8.0)	11.59 (38'0")		
	-2 (-6'7")									11.27 (24.8)	*15.65 (34.5)	8.44 (18.6)	14.33 (31.6)	6.58 (14.5)	11.08 (24.4)	5.24 (11.6)	8.86 (19.5)	4.21 (9.3)	7.24 (16.0)	3.42 (7.5)	6.01 (13.2)	2.73 (6.0)	*4.34 (9.6)	11.23 (36'10")
	-4 (-13'1")									11.27 (24.8)	*16.58 (36.6)	8.44 (18.6)	14.33 (31.6)	6.58 (14.5)	11.08 (24.4)	5.24 (11.6)	8.86 (19.5)	4.21 (9.3)	7.24 (16.0)	3.42 (7.5)	6.01 (13.2)	2.73 (6.0)	*4.66 (10.3)	10.42 (34'2")
	-6 (-19'8")									11.27 (24.8)	*17.14 (37.8)	8.21 (18.1)	14.07 (31.0)	6.34 (14.0)	10.80 (23.8)	5.03 (11.1)	8.63 (19.0)	4.01 (9.0)	7.08 (15.6)	3.35 (7.4)	5.93 (13.1)	2.73 (6.0)	*5.31 (11.7)	
										11.27 (24.8)	*18.35 (40.5)	8.21 (18.1)	14.07 (31.0)	6.34 (14.0)	10.80 (23.8)	5.03 (11.1)	8.63 (19.0)	4.01 (9.0)	7.08 (15.6)	3.35 (7.4)	5.93 (13.1)	2.73 (6.0)	*5.64 (12.4)	
										11.27 (24.8)	*19.95 (43.9)	8.21 (18.1)	14.07 (31.0)	6.34 (14.0)	10.80 (23.8)	5.03 (11.1)	8.63 (19.0)	4.01 (9.0)	7.08 (15.6)	3.35 (7.4)	5.93 (13.1)	2.73 (6.0)	*6.71 (14.8)	
										11.27 (24.8)	*20.77 (45.8)	8.21 (18.1)	14.07 (31.0)	6.34 (14.0)	10.80 (23.8)	5.03 (11.1)	8.63 (19.0)	4.01 (9.0)	7.08 (15.6)	3.35 (7.4)	5.93 (13.1)	2.73 (6.0)	*7.32 (16.1)	

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.

ENGLISH MEASURE

EX400LCH-3



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 lb (1 000 kg)

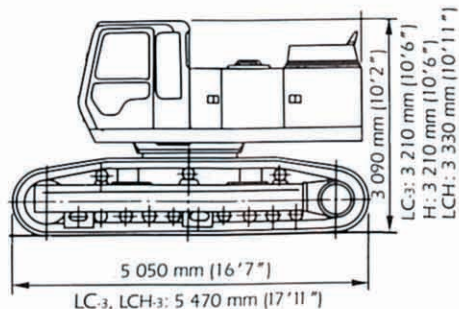
Conditions	Load point height	Load radius												At max. reach			
		10 ft (3.05 m)		15 ft (4.57 m)		20 ft (6.10 m)		25 ft (7.62 m)		30 ft (9.14 m)		35 ft (10.67 m)		ft in (m)			
																	
Boom 23'0" (7.00 m) H-boom Arm 11'2" (3.40 m) H-arm Bucket PCSA: 2.38 yd ³ (1.82 m ³) Rock bucket Shoes 24" (600 mm)	25 ft (7.62 m)													*7.4 (3.4)	*7.4 (3.4)	34'2" (10.4)	
														*8.0 (3.6)	*8.0 (3.6)		
	20 ft (6.10 m)							*16.4 (7.4)	*16.4 (7.4)	12.7 (5.8)	*15.3 (6.9)			*7.4 (3.3)	*7.4 (3.3)	36'5" (11.1)	
								16.4 (7.4)	*17.7 (8.0)	12.7 (5.8)	*16.5 (7.5)			*8.0 (3.6)	*8.0 (3.6)		
	15 ft (4.57 m)					22.0 (10.0)	*22.0 (10.0)	17.5 (7.9)	*18.3 (8.3)	12.3 (5.6)	*16.1 (7.3)			7.5 (3.4)	*7.6 (3.4)	37'8" (11.5)	
						*23.6 (10.7)	*23.6 (10.7)	17.5 (7.9)	*19.6 (8.9)	12.3 (5.6)	*17.3 (7.9)			7.5 (3.4)	*8.2 (3.7)		
	10 ft (3.05 m)					23.9 (10.8)	*26.4 (12.0)	16.4 (7.4)	*20.6 (9.3)	11.7 (5.3)	*17.2 (7.8)			7.1 (3.2)	*8.0 (3.6)	38'1" (11.6)	
						23.9 (10.8)	*28.3 (12.8)	16.4 (7.4)	*22.1 (10.0)	11.7 (5.3)	*18.6 (8.4)			7.1 (3.2)	*8.6 (3.9)		
	5 ft (1.52 m)					22.0 (10.0)	*30.1 (13.6)	15.3 (7.0)	*22.6 (10.3)	11.1 (5.0)	*18.4 (8.3)	8.1 (3.7)	*12.7 (5.8)	7.0 (3.2)	*8.6 (3.9)	37'10" (11.5)	
						22.0 (10.0)	*32.2 (14.6)	15.3 (7.0)	*24.3 (11.0)	11.1 (5.0)	*19.8 (9.0)	8.1 (3.7)	*13.6 (6.2)	7.0 (3.2)	*9.3 (4.2)		
	0 (Ground)				*21.7 (9.9)	*21.7 (9.9)	20.9 (9.5)	*31.7 (14.4)	14.6 (6.6)	*23.9 (10.9)	10.6 (4.8)	*19.1 (8.7)			7.3 (3.3)	*9.7 (4.4)	36'9" (11.2)
					*23.2 (10.5)	*23.2 (10.5)	20.9 (9.5)	*34.0 (15.4)	14.6 (6.6)	*25.7 (11.7)	10.6 (4.8)	19.4 (8.8)			7.3 (3.3)	*10.4 (4.7)	
	- 5 ft (- 1.52 m)				33.4 (15.1)	*39.0 (17.7)	20.5 (9.3)	*31.4 (14.2)	14.2 (6.4)	*24.1 (10.9)	10.3 (4.7)	*18.9 (8.6)			8.1 (3.7)	*11.2 (5.1)	34'9" (10.6)
					33.4 (15.1)	*41.3 (18.7)	20.5 (9.3)	*33.6 (15.3)	14.2 (6.4)	*26.0 (11.8)	10.3 (4.7)	19.1 (8.7)			8.1 (3.7)	*12.0 (5.5)	
	- 10 ft (- 3.05 m)		*34.5 (15.6)	*34.5 (15.6)	33.8 (15.3)	*37.4 (17.0)	20.5 (9.3)	*29.2 (13.3)	14.1 (6.4)	*22.7 (10.3)	10.4 (4.7)	*17.3 (7.9)			9.8 (4.4)	*13.8 (6.2)	31'9" (9.7)
			*36.5 (16.6)	*36.5 (16.6)	33.8 (15.3)	*40.1 (18.2)	20.5 (9.3)	*31.4 (14.2)	14.1 (6.4)	*24.4 (11.1)	10.4 (4.7)	*18.7 (8.5)			9.8 (4.4)	14.7 (6.7)	
- 15 ft (- 4.57 m)		*36.9 (16.7)	*36.9 (16.7)	31.3 (14.2)	*31.3 (14.2)	21.0 (9.5)	*24.9 (11.3)	14.5 (6.6)	*19.1 (8.6)								
		*39.7 (18.0)	*39.7 (18.0)	33.6 (15.3)	*33.6 (15.3)	21.0 (9.5)	*26.8 (12.2)	14.5 (6.6)	*20.6 (9.3)								
- 20 ft (- 6.10 m)				*21.4 (9.7)	*21.4 (9.7)	*16.8 (7.6)	*16.8 (7.6)										
				*23.2 (10.5)	*23.2 (10.5)	*18.3 (8.3)	*18.3 (8.3)										

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.

BACKHOE

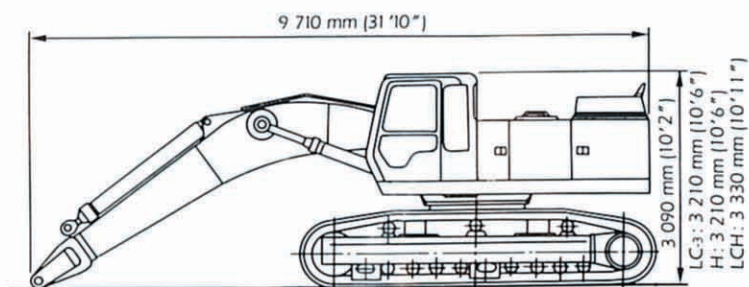
Basic machine without sidewalk



	Shoe width	Overall width*	Weight
EX400-3	600 mm (24")	3 340 mm (10'11")	23 400 kg (51 600 lb)
	750 mm (30")	3 490 mm (11'5")	24 400 kg (53 800 lb)
	900 mm (35")	3 640 mm (11'11")	24 500 kg (54 000 lb)
EX400LC-3	600 mm (24")	3 160 mm (10'4")	25 400 kg (56 000 lb)
	750 mm (30")	3 200 mm (10'6")	26 500 kg (58 400 lb)
	900 mm (35")	3 290 mm (10'10")	26 600 kg (58 700 lb)
EX400H-3	600 mm (24")	3 340 mm (10'11")	23 700 kg (52 300 lb)
	750 mm (30")	3 490 mm (11'5")	24 700 kg (54 500 lb)
	900 mm (35")	3 640 mm (11'11")	24 800 kg (54 700 lb)
EX400 LCH-3	600 mm (24")	3 160 mm (10'4")	25 600 kg (56 400 lb)
	750 mm (30")	3 200 mm (10'6")	26 700 kg (58 900 lb)
	900 mm (35")	3 290 mm (10'10")	26 800 kg (59 100 lb)

* LC-type undercarriage retracted

Basic machine fitted with boom and no sidewalk

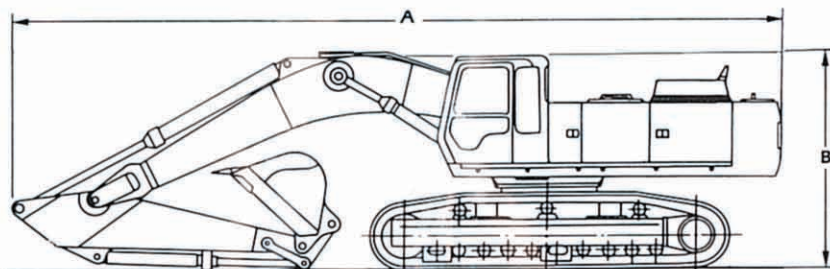


	Shoe width	Overall width* ²	Weight
EX400-3	600 mm (24")	3 340 mm (10'11")	28 300 kg (62 400 lb)
	750 mm (30")	3 490 mm (11'5")	29 300 kg (64 600 lb)
	900 mm (35")	3 640 mm (11'11")	29 400 kg (64 800 lb)
EX400LC-3	600 mm (24")	3 160 mm (10'4")	30 300 kg (66 800 lb)
	750 mm (30")	3 200 mm (10'6")	31 400 kg (69 200 lb)
	900 mm (35")	3 290 mm (10'10")	31 500 kg (69 500 lb)
EX400H-3* ¹	600 mm (24")	3 340 mm (10'11")	28 900 kg (63 700 lb)
	750 mm (30")	3 490 mm (11'5")	29 900 kg (65 900 lb)
	900 mm (35")	3 640 mm (11'11")	30 000 kg (66 200 lb)
EX400 LCH-3* ¹	600 mm (24")	3 160 mm (10'4")	30 800 kg (67 900 lb)
	750 mm (30")	3 200 mm (10'6")	31 900 kg (70 300 lb)
	900 mm (35")	3 290 mm (10'10")	32 000 kg (70 600 lb)

*¹ With H-boom

*² LC-type undercarriage retracted

Basic machine with front and sidewalk EX400-3: 41 000 kg (90 400 lb) EX400H-3: 42 100 kg (92 800 lb)
EX400LC-3: 44 100 kg (97 200 lb) EX400LCH-3: 44 000 kg (97 000 lb)

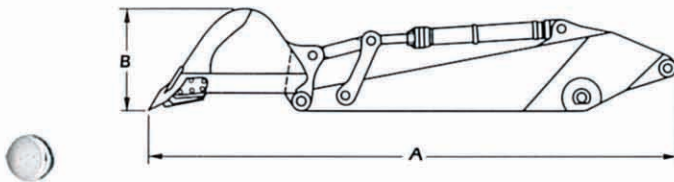


Overall length and overall height

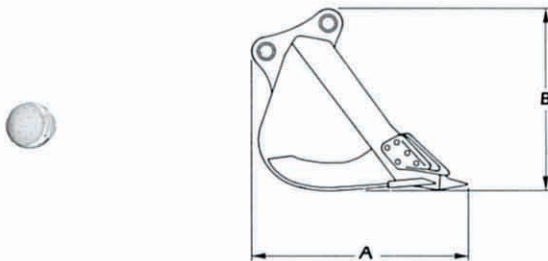
Arm		2.90 m (9'6")	3.40 m (11'2")	*3.40 m (11'2")	3.90 m (12'10")	4.90 m (16'10")
EX400-3	A	11 900 mm (39'1")	11 820 mm (38'9")		11 820 mm (38'9")	11 630 mm (38'2")
	B	3 560 mm (11'8")	3 450 mm (11'4")		3 470 mm (11'5")	4 660 mm (15'4")
EX400LC-3	A	11 880 mm (38'11")	11 790 mm (38'8")		11 790 mm (38'8")	11 700 mm (38'5")
	B	3 600 mm (11'10")	3 480 mm (11'5")		3 480 mm (11'5")	4 660 mm (15'4")
EX400H-3	A			11 820 mm (38'9")		
	B			3 450 mm (11'4")		
EX400LCH-3	A			11 790 mm (38'8")		
	B			3 480 mm (11'5")		

* H-front

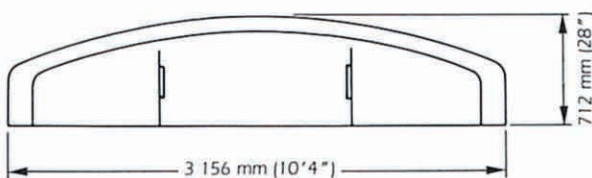
Arm & Bucket



Bucket



Counterweight 8 800 kg (19 400 lb)



EX400-3 / EX400H-3

Arm	Bucket PCSA heaped	Weight	A	B	Overall width
2.9 m (9'6")	2.07 m ³ (2.71 yd ³)	3 900 kg (8600 lb)	6 010 mm (19'9")	1 270 mm (4'2")	1 630 mm (5'4")
3.4 m (11'2")	1.82 m ³ (2.38 yd ³)	3 800 kg (8 380 lb)	6 430 mm (21'1")	1 270 mm (4'2")	1 500 mm (4'11")
* ¹ 3.4 m (11'2")	* ² 1.82 m ³ (2.38 yd ³)	4 400 kg (9 700 lb)	6 370 mm (20'11")	1 470 mm (4'10")	1 420 mm (4'8")
3.9 m (12'10")	1.60 m ³ (2.09 yd ³)	3 900 kg (8 600 lb)	6 930 mm (22'9")	1 270 mm (4'2")	1 360 mm (4'6")
4.9 m (16'1")	1.36 m ³ (1.78 yd ³)	3 500 kg (7 720 lb)	7 760 mm (25'6")	1 170 mm (3'10")	1 410 mm (4'8")

EX400LC-3 / EX400LCH-3

Arm	Bucket PCSA heaped	Weight	A	B	Overall width
2.9 m (9'6")	2.28 m ³ (2.98 yd ³)	4 000 kg (8 820 lb)	6 030 mm (19'9")	1 340 mm (4'5")	1 660 mm (5'5")
3.4 m (11'2")	2.07 m ³ (2.71 yd ³)	3 900 kg (8 600 lb)	6 430 mm (21'1")	1 270 mm (4'2")	1 630 mm (5'4")
* ¹ 3.4 m (11'2")	* ² 1.82 m ³ (2.38 yd ³)	4 400 kg (9 700 lb)	6 370 mm (20'11")	1 470 mm (4'10")	1 420 mm (4'8")
3.9 m (12'10")	1.82 m ³ (2.38 yd ³)	4 000 kg (8 600 lb)	6 930 mm (22'9")	1 270 mm (4'2")	1 500 mm (4'11")
4.9 m (16'1")	1.36 m ³ (1.78 yd ³)	3 500 kg (7 720 lb)	7 760 mm (25'6")	1 170 mm (3'10")	1 410 mm (4'8")

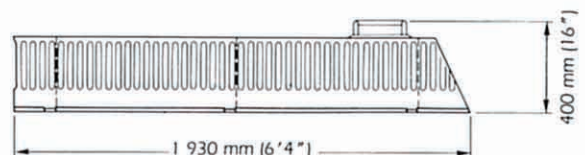
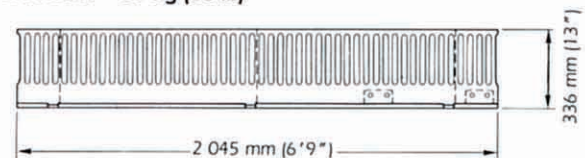
*¹ H-arm

*² Rock bucket

Capacity		A	B	Width	Weight
PCSA heaped	CECE heaped				
1.36 m ³ (1.78 yd ³)	1.20 m ³	1 800 mm (5'11")	1 350 mm (4'5")	1 410 mm (4'8")	1 170 kg (2 580 lb)
1.60 m ³ (2.09 yd ³)	1.40 m ³	1 940 mm (6'4")	1 570 mm (5'2")	1 360 mm (4'6")	1 470 kg (3 240 lb)
1.82 m ³ (2.38 yd ³)	1.60 m ³	1 940 mm (6'4")	1 570 mm (5'2")	1 500 mm (4'11")	1 550 kg (3 420 lb)
2.07 m ³ (2.71 yd ³)	1.80 m ³	1 940 mm (6'4")	1 570 mm (5'2")	1 630 mm (5'4")	1 630 kg (3 590 lb)
2.28 m ³ (2.98 yd ³)	2.00 m ³	1 950 mm (6'5")	1 650 mm (5'5")	1 660 mm (5'5")	1 730 kg (3 810 lb)
* 1.82 m ³ (2.38 yd ³)	1.60 m ³	1 950 mm (6'5")	1 650 mm (5'5")	1 420 mm (4'8")	1 970 kg (4 340 lb)

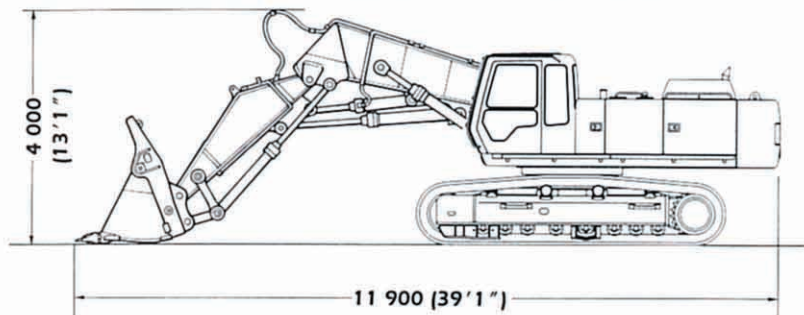
* Rock bucket

Sidewalk 30 kg (66 lb)

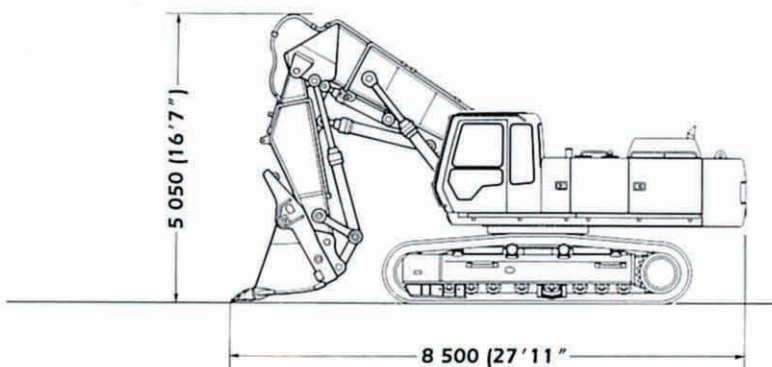


LOADING SHOVEL

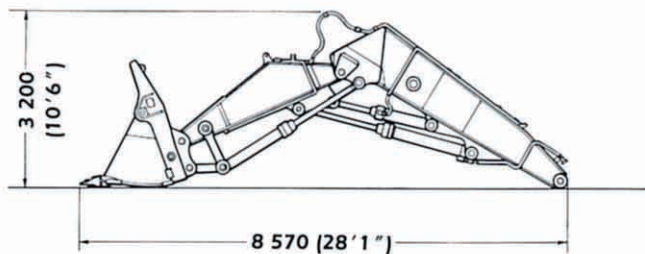
Basic machine with front and catwalk; 42 800 kg (94 400 lb)



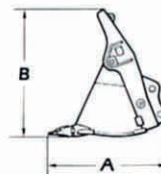
Width; 3 350 (11'0")
with bottom dump bucket



Front assembly; 9 550 kg (21 060 lb)
with 2.60 m³ (3.40 yd³) Bottom dump bucket



Bucket



Unit: mm (ft in)

Bucket capacity	A	B	Width	Weight
2.30 m ³ (3.01 yd ³) Bottom dump bucket	2 060 mm (6'9")	2 140 mm (7'0")	1 860 mm (6'1")	3 380 kg (7 450 lb)
2.60 m ³ (3.40 yd ³) Bottom dump bucket	2 020 mm (6'8")	2 140 mm (7'0")	2 030 mm (6'8")	3 050 kg (6 720 lb)

These specifications are subject to change without notice.
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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