

Operating weight

EX200-3: 18 500 kg (40 800 lb) EX200LC-3: 19 700 kg (43 400 lb)

**Bucket capacity** 

PCSA heaped:  $0.51-1.20~{\rm m}^3~(0.67-1.57~{\rm yd}^3)$  CECE heaped:  $0.45-1.00~{\rm m}^3$ 



EX500

## **QUICK RESPONSE**

Smooth, rapid movements and efficient level retraction. The Hitachi EX200 intelligent hydraulic excavator comes with a new level of productivity never before available. The front attachment works fast and smoothly, with quick response to the operator's will. It moves up and down matching the quick-action control lever. That eases complicated tasks, such as slope finishing and grading.

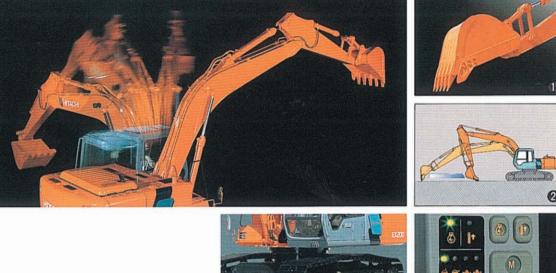
The renowned EX200 also permits direct access to the skill of an experienced operator thanks to numerous advanced features.

The EX200 is Hitachi's answer to the needs of increasingly tough construction jobs.



Versatility means productivity: The EX200 is designed keeping in mind versatility, operating efficiency and production, using a variety of front attachments. What's more, optional attachments are applicable through the extra port for added versatility.

# Impressive Versatility



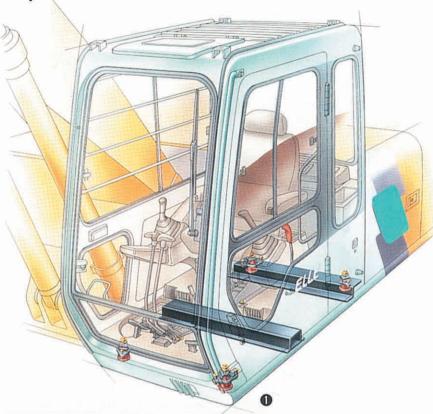
- Advanced Hydraulics for Productivity: Pump delivery flow can be adjusted to the load for efficient digging and dumping onto off-highway trucks. The result: production is up 5% to 6% without increase in fuel consumption (compared to our conventional model).
- @ Efficient Slope Finishing and Grading: Rapid, smooth level retraction can be achieved with the help of the boom pilot sensor. This allows efficient slope finishing and grading during overburden stripping, road maintenance and land
- Rapid Response: Even a slight movement of the control lever is converted into brisk up-anddown movement of the boom. This means both movements are well matched. This advantage is effective in complex operations like tamping in civil engineering jobs and land leveling.
- **3 Smooth Ride:** The improved travel shockless relief valve and damper reduce shocks at start and stop of travel. The rugged cab bed and fluidfilled elastic mount help reduce shocks and vibration during travel. These designs ensure smooth ride, reducing operator fatigue.
- 4 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.
- Improved E-P (Engine-Pump) control system to save energy.
- Smoothly combined operations and pleasant control through the ELLE (Electronic Load-sensing Excavation) system.
- Swing dampener mechanism to eliminate coasting at stop of swing.
- Power digging to increase the digging speed as needed.
- Auto idle to save energy when not in operation.
- Shockless valve absorbs shocks when stopping the front.
- Holding valve prevents lowering of the boom and arm under gravity.

- creasing the pump delivery flow. Swing
- Efficient Slope Finishing and Grading: Efficient level retraction is the big feature. This allows quick, smooth finishing works, like slope finishing and grading.
- Rapid, Sure Response: Hitachi design focuses on rapid, sure response to job needs. Control levers and boom respond quickly and agilely, well matching the operator's will. The result is dynamic tamping and rolling.
- Advanced Cab Mount: The fluid-filled elastic mount supporting the cab dampens shocks and vibration significantly, Also, the cab bed is rugged, using thick plates.
- Comfortable Suspension Seat: The comfortdesigned operator seat keeps the operator feeling relaxed. The rugged I-shaped linkage suspension and cold-foamed seat cushions reduce operator fatigue greatly for seating comfort.

- Sliding Cockpit: Armrest angle can be adjusted steplessly to operator's proportions, with a choice of two control lever heights for operator comfort and convenience.
- Smooth Ride: Smooth ride and steering are achieved with the improved travel shockless relief valve and damper. Shocks at start and stop of travel are dampened dramatically, too.
- Operator -first Design: Operator first is the key cab design concept. Seat belt, and pilotcontrol shutoff lever, which prevent misoperation when getting in and out of the cab, are provided as standard equipment.
- Tested Durability: The machine, before its launch, underwent a number of stringent lowtemperature and endurance tests, demonstrating Hitachi's traditional durability.

2 EX200/EX200LC

## Operator Comfort and Convenience



















- Window washer and intermittent wiper keep the front window clean.
- The front window is spring-assisted for easy storing in the cab.
- Auto-tuning AM radio with digital clock is standard equipment as in automobiles.

Operator comfort and convenience are the top considerations: boosting productivity in other words. With the fluid-filled elastic mount, the operator cab is insulated from shocks and vibration.

The adjustable suspension seat provides seating comfort. The seat and control levers glide together or separately to accommodate the proportions of the operator, enhancing operating convenience and reducing operator's fatigue.

- Shock-dampened, Quiet Cab: Operator comfort is ensured with the fluid-filled elastic mount that effectively dampens shocks and vibration, and sturdy cab bed using thick plates. This brings a smooth ride, protected from shocks and vibration.
- 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 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** Ergonomically Designed Control Levers: Pleasant human-touch control is enhanced. Control levers can be shifted with less effort, and lever grips are ergonomically designed.
- **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.
- ¿ Large Curved Rear Window: The cab rear window glass is curved and large enough to give good rear visibility. Low-profile engine hood helps increase rear visibility.
- Air Conditioner (Optional): An air conditioner, using a freon substitute, maintains the operator comfort all year around, increasing operating efficiency.



## The Edge of Mechatronics

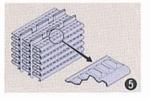










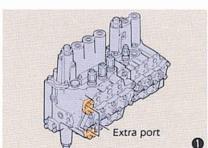




- Sturdy X-type track frame.
- Large reinforced trak links with pin seals.
- Working light provided at the bottom of cab for night-shift work.
- Positive swing parking brake...
- Quick warm-up system for pilot circuit.
- Bucket clearance adjust mechanism.
- Hydraulic warm-up control system for engine and hydraulic oil.
- Ample utility space.

- From the Hitachi EX200, you'll get more than you expect. The secret is the leading edge of mechatronics, built up through Hitachi's high technologies and years of experience. Hitachi expertise always meets job reguirements and often exceeds your expectations.
- Hitachi engineers are constantly addressing job needs ever before they are demanded. That's the way of Hitachi's design approach. The Hitachi EX200 is the fruit of this design approach.
- Rugged D-section Frame Skirt: Rugged Dsection frame skirt, proven on the EX series, provides high resistance to deformation.
- Advanced Travel Mechanism: Three travel speeds - fast, intermediate and slow - can be selected to suit job conditions. Compact travel motors and piping are logically arranged inside the track frame for unobstructed travel on rough terrain.
- Seat Belt Provided as Standard: Seat belt is provided as standard equipment.
- @ Environment-Friendly 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. In the E mode, engine speed automatically drops to reduce sound.
- Wave-finned Radiator to Avoid Clogging: Radiator is fitted with waved fins to prevent clogging and ensure ease of maintenance.
- Or. EX Self-diagnostic System: A portable self-diagnostic system, Dr. EX, provides instant status check of machine conditions, including engine RPM, hydraulic pressure, oil flow, and electrical systems. Dr. EX enables Hitachi servicemen to service and inspect the machine instantly.

## Versatility Means Productivity.





Extra Port that Sets Optimum Flow to Optional Attachment: The extra port is a hydraulic source for setting and delivering the optimum oil flow to optional attachment that is well matched with the front attachment. Attachment Mode Optionally Available: The attachment mode can be selected with the attachment selection switch according to the attachment used. This makes combined opera-

tion smooth.

### **ENGINE**

Model	Isuzu 6BD1T
Type	4-cycle water-cooled, direct injection Turbocharged
No. of cylinders	6
Rated flywheelhorsepower (DIN 6271, net)	99 kW (135 PS) at 2 050 min <sup>-1</sup> (rpm)
Rated flywheel horsepower (SAE J1349, net)	98 kW (132 HP) at 2 050 min <sup>-1</sup> (rpm)
Maximum torque	
Piston displacement	5.79 L (353 in <sup>3</sup> )
	. 102 mm × 118 mm (4.02" × 4.65")
Batteries	2 × 12 V, 120 AH



### HYDRAULIC SYSTEM

ELLE (Electronic Load-sensing Excavation) system designed for job efficiency and controllability.

- Load-sensing system
- Flow dividing control system
- Work mode selector General-purpose mode / Trenching mode Grading mode / Precision mode

Power selector designed for maximum productivity and fuel savings.

ent axial
mp gpm)
ar pump
- 1 - 1
np gpm)

**Hydraulic Motors** 

Travel	2 variable displacement axial
	piston motors
Swing	1 axial piston motor

Relief Valve Settings

Implement circuit	34 3	MPa	1350	kgf/cm <sup>2</sup> ,	4	980 psil
				kgf/cm²,		
				kgf/cm <sup>2</sup> ,		
Pilot circuit				kgf/cm <sup>2</sup> ,		710 psi)

Hydraulic Cylinders

High-strength piston rods and tubes. Cylinder cushion mechanisms provided in all cylinders to absorb shocks at stroke ends.

### **Dimensions**

	Qty.	Bore	Rod dlameter
Boom	2	120 mm (4.72")	85 mm (3.35")
Arm	1	130 mm (5.12")	95 mm (3.74")
Bucket	1	110 mm (4.33")	75 mm (2.95*)

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in the suction line, and  $10~\mu m$  full-flow filters in the return line and swing/travel motor drain lines.



### CONTROLS

Pilot controls. Hitachi's original shockless valve and quick warm-up system built in the pilot circuit. Hydraulic warm-up control system for engine and hydraulic oil. Multi selection lever with rotary 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

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 visibility. Front windows (upper and lower) are openable and spring-assisted for easy storing in the cab and absorbing shocks during lowering. Adjustable, suspension seat with armrests; movable with or without control levers and monitor panel.

### UNDERCARRIAGE

### Tracks

Tractor-type undercarriage. Welded track frame, using carefully selected materials. Side frame welded to track frame. Lubricated track rollers, idlers, and sprockets with floating seals.

Track shoes with triple grousers made of induction-hardened rolled alloy. Flat and triangular shoes are also available. 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
Lower rollers	7: EX200-3
	8: EX200LC-3
Track shoes	46: EX200-3
	49: EX200LC-3
Track guard	1

### Traction Device

Each track driven by 2-speed axial piston motor through planetary reduction gear for counterrotation 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.

Automatic transmission system: High—Medium.

Automatic transmission syste		
Travel speeds	High:	0 to 5.5 km/h (3.4 mph)
The state of the s	Medium:	0 to 3.7 km/h (2.3 mph)
	Low:	0 to 2.2 km/h (1.4 mph)
Maximum traction force	159.9 kN	(16 300 kgf, 35 900 lbf)
Gradeability		35° (70 %) continuous

<sup>\*</sup> International Standard Organization



### WEIGHTS AND GROUND PRESSURE

Equipped with 5.68 m [18'8"] boom, 2.91 m [9'7"] arm and 0.80 m3 (1.05 yd3: PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
	600 mm	18 500 kg (40 800 lb)	41.2 kPa (0.42 kgf/cm², 5.97 psi)
	(24")	19 000 kg (41 900 lb)	39.2 kPa (0.40 kgf/cm², 5.69 psi)
Triple	700 mm	18 900 kg (41 700 lb)	36.3 kPa (0.37 kgf/cm², 5.26 psi)
grouser	[28"]	19 400 kg (42 800 lb)	34.3 kPa (0.35 kgf/cm², 4.98 psi)
	800 mm [31 "]	19 100 kg (42 100 lb)	32.4 kPa (0.33 kgf/cm², 4.69 psi)
		19 700 kg (43 400 lb)	30.4 kPa (0.31 kgf/cm², 4.41 psi)
FI-4		19 400 kg (42 800 lb)	43.2 kPa (0.44 kgf/cm², 6.26 psi)
Flat	(24")	20 000 kg (44 100 lb)	41.2 kPa (0.42 kgf/cm², 5.97 psi)
1	900 mm	19 900 kg (43 900 lb)	30.4 kPa (0.31 kgf/cm², 4.41 psi)
riangular	(35*)	20 500 kg (45 200 lb)	28.4 kPa (0.29 kgf/cm², 4.12 psi)

are data on the EX200LC-3. Figures in

Operating weight is the total weight of the basic machine plus 3 900 kg (8 600 lb) counterweight and triple grouser shoes, excluding frontend attachment.

EX200-3	15 000 kg (33 100 lb)
	with 600 mm (24") shoes
EX200LC-3	16 200 kg (35 700 lb)
	with 800 mm (31") shoes



### SERVICE REFILL CAPACITIES

	liters	US gal	Imp gal
Fuel tank	310.0	81.9	68.2
Engine coolant	21.0	5.5	4.6
Engine oil	25.0	6.6	5.5
Swing mechanism	8.2	2.2	1.8
Travel final device(each side)	5.5	1.5	1.2
Hydraulic system	230.0	60.8	50.6
Hydraulic tank	130.0	34.3	28.6



### **BACKHOE ATTACHMENTS**

Boom and arms are of welded, box-section design. 5.68 m (18'8") boom, and 2.22 m (7'3"), 2.91 m (9'7") and 4.41 m (14'6")\* arms

Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

\*2.91 m (9'7") arm + 1.50 m (4'11") extension arm

#### **Buckets**

						Recommendation					
Capacity		Wie	Width			EX200-3				3	
PCSA heaped	CECE heaped	Without side cutters	With side cutters	No. of teeth	Weight	2.22 m (7'3") arm	2.91 m (9'7") arm	4.41 m* (14'6") arm	2.22 m (7 '3") arn	2.91 m (9'7") arm	4.41 m* (14'6") arm
0.51 m³ (0.67 yd³)	0.45 m <sup>3</sup>	720 mm (28")	850 mm (33")	3	510 kg (1 130 lb)	0	0	0	0	0	0
0.80 m <sup>3</sup> (1.05 yd <sup>3</sup> )	0.70 m³	1 030 mm (41")	1 140 mm (45")	5	640 kg (1 410 lb)	0	0	9-2	0	0	_
71 m³ (1.19 yd³)	0.80 m³	1 150 mm (45")	1 280 mm (50")	5	700 kg (1 540 lb)	0	0	7	0	0	_
-10 m³ (1.44 yd³)	0.90 m³	1 330 mm (52 ")	1 460 mm (58")	6	740 kg (1 630 lb)	0	_		0	0	-
1.20 m <sup>3</sup> (1.57 yd <sup>3</sup> )	1.00 m <sup>3</sup>	1 450 mm (57")	-	6	660 kg (1 460 lb)	0	-	-	0	-	_
Ripper bucket: 0.50 m	1 (0.65 yd3: CECE	heaped) Width 8	100 mm (31 ")	3	950 kg (2 090 lb)	•	-	\ <del>-</del>	•	-	-
One-point ripper					550 kg (1 210 lb)	•	_	7=	•	_	_
Clamshell bucket: 0.60	m³ (0.78 yd³: CE	CE heaped), Wid	th 940 mm (37")	8	1 240 kg (2 730 lb)	0	0	-	0	0	_
Slope-finishing blade:	Width 1 100 mi	m (43"), Length 2	200 mm (87")		690 kg (1 520 lb)	<b>\Q</b>	0	_	0	٥	_

<sup>\*2.91</sup> m (9'7") arm + 1.50 m (4'11") extension arm

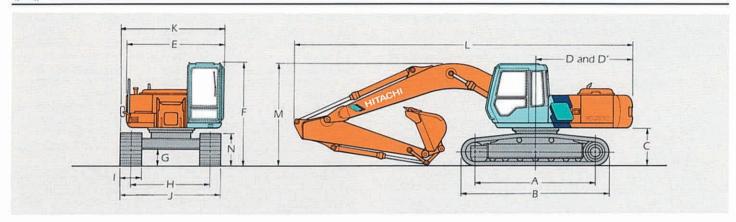
Suitable for materials with density of 2 000 kg/m³ (3 370 lb/yd³) or less
 Suitable for materials with density of 1 600 kg/m³ (2 700 lb/yd³) or less
 □ Suitable for materials with density of 1 100 kg/m³ (1 850 lb/yd³) or less

Heavy-duty service

Slope-finishing service

<sup>-</sup> Not recommended

### DIMENSIONS



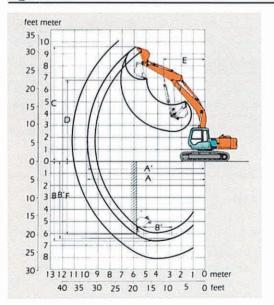
Unit: mm (ft in)

		EX200-3				EX200LC-3				
Α	Distance between tumblers		3 370 (11'1")				3 660 (12'6")			
В	Undercarriage length		4 170	(13'8")		4 460 (14'8")				
·C	Counterweight clearance		1 030	(3'5")		1 030 (3"5")				
D	Rear-end swing radius		2 750	(9'0")			2 750	(9'0")		
D'	Rear-end length		2 710	(8'11")			2 710	(8'11")		
E	Overall width of upperstructure		2 660	(8'9")			2 660	(8'9")		
F	Overall height of cab		2 850	(9'4")			2 850	(9'4")		
•G	Min. ground clearance		450 (1 "6")			450 (1 '6")				
H	Track gauge		2 200 (7'3")			2 390 (7'10")				
-1	Track shoe width	G 600 (24")	G 700 (28")	G 800 (31")	T 900 (35")	G 600 (24")	G 700 (28")	G 800 (31")	T 900 (35")	
١	Undercarriage wdith	2 800 (9'2")	2 900 (9'6")	3 000 (9'10")	3 100 (10'2")	2 990 (9'10")	3 090 (10'2")	3 190 (10'6")	3 290 (10'10")	
K	Overall width	2 850 (9'4")	2 900 (9'6")	3 000 (9'10")	3 100 (10'2")	2 990 (9'10")	3 090 (10'2")	3 190 (10'6")	3 290 (10'10")	
L	Overall length With 2.22 m (7*3") arm With 2.91 m (9*7") arm With 4.41 m (14*6") arm		9 490	(31'4") (31'2") (31'6")			9 490	(31'4") (31'2") (31'6")		
М	Overall height of boom  With 2.22 m [7'3"] arm  With 2.91 m [9'7"] arm  With 4.41 m [14'6"] arm	With 2.22 m [7'3"] arm With 2.91 m [9'7"] arm					2 890	(9'11") (9'6") (11'6")		
N	Track height With triple grouser shoe		910	(3'0")			910	(3'0")		

<sup>\*</sup>Excluding track shoe lug.



### **WORKING RANGES**



			EX200-3/EX200LC-3			
Arm length		2.22 m (7'3")	2.91 m (9'7")	4.41 m (14'6")*		
Α	Max. digging reach	9 250 mm (30'4")	9 910 mm (32'6")	11 260 mm (36'11")		
A'	Max. digging reach (on ground)	9 080 mm (29'9")	9 750 mm (32′0″)	11 130 mm (36'6")		
В	Max. digging depth	5 980 mm (19'7")	6 670 mm (21'11")	8 170 mm (26'10")		
B'	Max. digging depth (8' level)	5 740 mm (18'10")	6 490 mm (21 '4")	7 990 mm (26'3")		
C	Max. cutting height	9 170 mm (30'1")	9 600 mm (31 '6")	10 220 mm (33'6")		
D	Max. dumping height	6 390 mm (21 '0")	6 780 mm (22'3")	7 410 mm (24'4")		
E	Min. swing radius	3 530 mm (11'7")	3 540 mm (11'7")	3 540 mm (11'7")		
F	Max. vertical wall	5 140 mm (16'10")	6 050 mm (19'10")	7 550 mm (24'9")		
Bucket digging force		112.9 kN (11 500 kgf, 25 400 lbf)	112.9 kN (11 500 kgf, 25 400 lbf)	112.9 kN (11 500 kgf, 25 400 lbf)		
Arm crowd force		113.8 kN (11 600 kgf, 25 600 lbf)	89.2 kN (9 100 kgf, 20 100 lbf)	66.7 kN (6 800 kgf, 15 000 lbf)		

Excluding track shoe lug

\*2.91 m (9'6") arm + 1.50 m (4'11") extension arm

G: Triple grouser shoe T: Triangular shoe



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

### **ENGINE**

- 30 A alternator
- Dry-type air filter with evacuator valve (with safety element)
- Cartridge-type engine oil fiter
- Cartridge-type engine oil bypass filter
- Cartridge type fuel filter
- Radiator and oil cooler with dust protective net
- Radiator reserve tank
- Fan quard
- Isolation-mounted engine
- Auto-idling system

### HYDRAULIC SYSTEM

- Load-sensing system Flow dividing control system
- Work mode selector
- Engine speed sensing system
- · E-P control system (power mode selector
- 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)
- Boom-arm holding valve
- · 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 adjustable 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, heater, 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

· 2 working lights and 1 cab light

#### **UPPERSTRUCTURE**

- Undercover
- 3 900 kg (8 600 lb) counterweight
- Fuel level gauge
- Hydraulic oil level gauge
- Tool box
- Utility space
- Rearview mirror (right side)
- 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:

EX200-3 and EX220LC-3

### FRONT ATTACHMENTS

- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dirt seals on all bucket pins
- 2.91 m (9'7") arm
- 0.80 m³ (1.05 yd³: PCSA heaped) bucket

### **MISCELLANEOUS**

- Standard tool kit
- Lockable machine covers
- Lockable fuel filling cap
- Skid-resistant tapes and handrails.

### OPTIONAL EQUIPMENT

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

- Air conditioner
- Multi selection lever with rotary valve
- Hose rupture valves
- Electric fuel refilling pump
- Swing motion alarm device with lamps
- Travel motion alarm device Additional pump
- Piping kit for extra port
- PTO valve & Additional valve with piping kit

- Ripper bucket for ripping and loading hardpan
- One-point ripper for ripping hardpan
- Clamshell bucket for deep, vertical excavations like manholes, pilings, footings, etc.
- Slope-finishing blade for flope finishing jobs . . . scraping up or down, compacting, leveling, grading etc.

### Type of Bucket



Ripper bucket



One-point ripper



Clamshell bucket



Slope-finishing blade

### Type of Shoe



Triple grouser shoe 700 mm (28"), 800 mm (31")

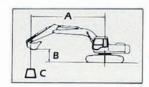


Flat shoe 600 mm (24")



Triangular shoe 900 mm (35")

## **LIFTING CAPACITIES**



A: Load radius B: Load point height

### C: Lifting capacity

### METRIC MEASURE

EX200-3

Rating over-side or 360 degrees Raiting over-front

Unit: 1 000 kg (1 000 lb)

The state of the state of the state of	Load point height m (ft in)				0.0		Load	radius					m (ft in)		At max. reach			
		3 (9'10")		10") 4 (13'1")		5 (16'5")		6 (19	7'8")	7 (23'0")		8 (26'3")		At max. re		acri		
Conditions		(D)	ů	0	ů	(C)	ů	0	ů	<b>(3)</b>	ů	0	Ů	0	ů	@ m (ft in)		
	6 (19'8")							3.74 (8.25)	*4.21					2.83 (6.24)	*3.27	7.85 (25'9")		
Boom 5.68 m (18'8")	4 (13'1")			*6.16 (13.6)	*6.16	4.85	*5.22 (11.5)	3.58 (7.89)	*4.71 (10.4)	2.72 (6.00)	4.34 (9.57)			1.84 (4.06)	3.01 (6.64)	8.67 (28'5")		
Arm 2:22 m (7"3") Bucket PCSA: 0.80 m <sup>3</sup>	2 (6'7")	==				4.32 (9.53)	7.15 (15.8)	3.28 (7.23)	5.33 (11.8)	2.55 (5.62)	4.15 (9.15)	2.02 (4.45)	3.32 (7.32)	1.68	2.79 (6.15)	8.91 (29'3")		
(1.05 yd³) CECE: 0.70 m³	(Ground)					4.01 (8.84)	6.79 (15.0)	3.05 (6.72)	5.08	(5.31)	3.99 (8.80)	1.94 (4.28)	3.23 (7.12)	1.74 (3.84)	2.90 (6.39)	8.60 (28'3")		
Shoes 600 mm (24")	-2 (-6'7")			5.69	10.0	3.97 (8.75)	6.74	3.00 (6.62)	5.01	2.37 (5.23)	3.95 (8.71)			2.11 (4.65)	3.49 (7.70)	7.69 (25'3")		
	-4 (-13'1")	9.74 (21.5)	*10.4	5.88 (13.0)	*8.70 (19.2)	4.11 (9.06)	6.90 (15.2)	3.12 (6.88)	5.16 (11.4)									
	6 (19'8")							*3.50	*3.50	2.87 (6.33)	*3.32			1.96	*1.98 (4.37)	8.61 (28'3")		
300m 5.68 m (18*8*)	(13'1")					*4.40 (9.70)	*4.40	3.67	*4.11 (9.06)	2.78 (6.13)	*3.94 (8.69)	2.14 (4.72)	3.45 (7.61)	1.59	*1.99 (4.39)	9.36 (30'9")		
Arm 2.91 m (9*7*) Bucket	(6'7")			6.22	*8.57 (18.9)	4.45 (9.81)	*6.43	3.34 (7.36)	*5.33 (11.8)	*2.58 (5.69)	4.19 (9.24)	2.03 (4.48)	3.34 (7.36)	1.45	*2.12 (4.67)	9.57		
PCSA: 0.80 m <sup>3</sup> (1.05 yd <sup>3</sup> ) CECE: 0.70 m <sup>3</sup>	(Ground)			5.63 (12.4)	*7.91 (17.4)	4.03 (8.89)	6.82 (15.0)	3.06 (6.75)	5.09 (11.2)	2.40 (5.29)	3.98 (8.78)	1.91	3.21 (7.08)	1.48	*2.42 (5.34)	9.29		
Shoes 600 mm [24*]	-2 (-6'7")	*7.20 (15.9)	*7.20 (15.9)	5.56 (12.3)	9.89 (21.8)	3.90 (8.60)	6.67	2.94 (6.48)	4.96 (10.9)	2.31 (5.09)	3.89 (8.58)	1.87 (4.12)	3.16 (6.97)	1.75 (3.86)	2.95 (6.50)	8.46 (27'9")		
	-4 (-13'1")	9.44	*12.1 (26.7)	5.71	*9.57	3.98	6.76	2.99 (6.59)	5.02	2.38	3.97							

### EX200LC-3

Unit: 1 000 kg (1 000 lb)

	Name and district to the same of the same		. 00	J. 14	X I		Load	radius	V				m (ft in)			
400	Load point height m (ft in)	3 (9'10")		1 4 (13'1")		5 (16'5")		6 (19	8"]	7 (23'0")		8 (26'3")		At max. rea		acn
Conditions		0	ů	<b>P</b>	ů	<b>P</b>	ď	0	ů	0	ů	(C)	ů	(C)	ď	@ m (ft in)
	6 (19'8")							*4.21 (9.28)	*4.21 (9.28)					2.73 (6.02)	*3.27	7.85 (25'9")
Boom 5.68 m (18'8")	4 (13'1")					*6.16 (13.6)	*6.16 (13.6)	*5.22 (11.5)	*5.22 (11.5)	4.15	*4.71 (10.4)	3.18 (7.01)	*4.45 (9.81)	2.19 (4.83)	*3.29 (7.25)	8.67 (28'5")
Arm 2.22 m (7'3") Bucket PCSA: 0.80 m <sup>3</sup>	(6'7")					5.07	*7.19 (15.9)	3.85 (8.49)	*5.85 (12.9)	3.01 (6.64)	4.95	2.40 (5.29)	3.97 (8.75)	2.01 (4.43)	3.35 (7.39)	8.91 (29'3")
(1.05 yd³) CECE:0.70 m³	(Ground)					4.75	8.21 (18.1)	3.62 (7.98)	6.10 (13.5)	2.86 (6.31)	4.78 (10.5)	2.32 (5.12)	3.88 (8.56)	2.08 (4.59)	3.49 (7.70)	8.60 (28'3")
Shoes 800 mm (31")	-2 (-6'7")			6.76	*10.4	4.71 (10.4)	8.16 (18.0)	3.56 (7.85)	6.03	2.82 (6.22)	4.74 (10.5)			2.51 (5.53)	4.17 (9.19)	7.69 (25°3°)
	-4 (-13'1")	*10.4 (22.9)	*10.4	6.96 (15.3)	*8.70 (19.2)	4.85	*7.16 (15.8)	3.69 (8.14)	*5.73 (12.6)							
	6 (19'8")							*3.50	*3.50	*3.32	*3.32			*1.98 (4.37)	*1.98 (4.37)	8.61
Boom 5.68 m (18°8")	4 (13'1")					*4.40	*4.40 (9.70)	*4.11 (9.06)	*4.11 (9.06)	3.24 (7.14)	*3.94	2.52 (5.56)	*3.51 (7.74)	1.90	*1.99 (4.39)	9.36
Arm 2.91 m (9'7") Bucket	(6'7")			7.31 (16.1)	*8.57	5.20 (11.5)	*6.43	3.91 (8.62)	*5.33 (11.8)	3.04 (6.70)	*4.69 (10.3)	2.41 (5.31)	3.98 (8.78)	1.75 (3.86)	*2.12 (4.67)	9.57
PCSA: 0.80 m <sup>3</sup> (1.05 yd <sup>3</sup> ) CECE: 0.70 m <sup>3</sup>	(Ground)	THE		6.70 (14.8)	*7.91 (17.4)	4.77 (10.5)	*8.06 (17.8)	3.62 (7.98)	6.11 (13.5)	2.85 (6.28)	4.78 (10.5)	2.29 (5.05)	3.86 (8.51)	1.80	*2.42 (5.34)	9.29
Shoes 800 mm (31*)	-2 (-6'7")	*7.20 (15.9)	*7.20 (15.9)	6.63	*10.8 (23.8)	4.64 (10.2)	8.09 (17.8)	3.50 (7.72)	5.98 (13.2)	2.76 (6.09)	4.68	2.25 (4.96)	3.81 (8.40)	2.10 (4.63)	*3.01	8.46 (27'9")
	-4 (-13'1")	11.3 (24.9)	*12.1 (26.7)	6.78	*9.57	4.72	*7.74 (17_1)	3.56 (7.85)	6.04	2.84	4.76 (10.5)					

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% 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.

EX200-3									Rating o	ver-side c	1 300 deg	grees (	Raiting	I Over-nor	it Offin	: 1 000
	Load point	5'	0"	10	Load (			radius 20'0"		25'0"		1	(ft in)	A	t max. re	ach
Conditions	height ft In	(C)>	ď	0	ů	0	ů	(C)-	ů	0	ů	0	ð	<b>P</b>	ů	@ft in
	20'0"							8.00	*8.76					5.22	•7.22	25'7"
	15'0"							7.82	*9.80					4.28	6.92	27'11'
	10'0"					11.6	*14.9	7.39	*11.4	5.00	8.10			3.82	6.31	29"0"
Boom 18'8" Arm 7'3"	5'0"							6.91	11.3	4.80	7.88			3.68	6.15	29'2"
Bucket PCSA: 1.05 yd³ Shoes 24 "	0 (Ground)					10.1	17.4	6.57	10.9	4.63	7.70			3.83	6.40	28'3"
snoes 24	-5'0"					10.1	17.3	6.45	10.8	4.58	7.65			4.36	7.24	26'2"
	-10.0			20.5	•25.6	10.2	17.5	6.53	10.9					5.68	9.30	22'6"
	-15'0"					10.6	*15.4									
)	-															
	20'0"							*7.72	*7.72					*4.38	*4.38	28'1"
	15'0"							8.02	*8.46	5.26	*8.14			3.67	*4.34	30'2"
Company and the Company of the Compa	10'0"					12.1	*12.7	7.55	*10.2	5.07	8.19			3.30	*4.48	31'3"
Boom 18'8" Arm 9'7"	5'0"					10.9	*17.1	7.01	11.4	4.81	7.91			3.18	*4.79	31'4"
Bucket PCSA: 1.05 yd³ Shoes 24"	0 (Ground)					10.1	17.4	6.58	10.9	4.58	7.66			3.27	*5.33	30'6"
arioes 24	-5'0"			*12.8	*12.8	9.90	17.1	6.35	10.7	4.46	7.52			3.65	6.18	28'7"
	-10'0"			19.9	25.1	9.96	17.2	6.33	10.7	4.50	7.57			4.54	7.55	25'5"
	-15'0"			20.5	*24.3	10.3	*17.4	6.57	10.9					6.88	*7.82	20'2"

E	V	71	າດ	11	

Unit: 1 000 lb Load radius (ft in) At max. reach Load point height 20'0' 25'0" 15'0" 5'0' 10'0' Conditions ů ů (C) (P 0 (C) @ft In U ď ft In U Ü Ü 20'0" \*8.76 \*8.76 6.10 \*7.22 25'7" 15'0" 9.06 \*9.80 5.06 \*7.20 27'11" 10'0" 13.6 \*14.9 8.62 \*11.4 5.90 9.64 4.56 \*7.45 29'0" m 18'8" Arm 7'3" 5'0" 8.13 \*13.3 5.69 9.41 4.42 7.37 29'2" Bucket PCSA: 1.05 yd3 0 (Ground) 12.0 \*20.8 7.79 13.1 5.52 9.23 4.59 7.69 28'3" Shoes 31" -5'0" 11.9 \*20.7 9.18 8.67 26'2" 7.66 13.0 5.48 5.20 -10'0" \*19.1 7.74 \*9.50 22'6" 24.6 \*25.6 12.1 13.1 6.71 -15'0" \*15.4 12.5 28'1" .7.72 \*7.72 \*4.38 \*4.38 20'0" •4.34 •4.34 30'2" \*8.46 15'0" \*8.46 6.17 \*8.14 \*12.7 \*12.7 \*4.48 10'0" 8.79 \*10.2 5.97 •9.06 3.98 31'3" Boom 18'8" \*17.1 \*12.2 \*4.79 31'4" Arm 9'7" 5'0" 12.8 8.23 5.71 9.45 3.85 Bucket PCSA: 1.05 yd<sup>3</sup> Shoes 31 " \*19.9 \*5.33 30'6" 0 (Ground) 12.0 7.80 13.1 5.48 9.20 3.97 -5'0" \*12.8 \*12.8 11.8 \*20.8 7.56 12.9 5.35 9.06 4.40 \*6.23 28'7" 25'5" -10'0" 23.9 \*25.1 11.8 \*20.0 7.55 12.9 5.40 9.10 5.42 \*7.88 -15'0" \*24.3 \*24.3 12.1 \*17.4 7.78 .12.6 \*7.82 \*7.82 20'2"

Notes: 1. Ratings are based on SAE J1097.

Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
 The load point is a hook (not standard equipment) loaded on the back of the bucket.
 \*Indicates load limited by hydraulic capcity.

### (b) Hitachi Construction Machinery Co., Ltd.

Head Office: Nippon Bldg., 6-2, 2-chome, Ohtemachi,

Chiyoda-ku, Tokyo 100, Japan Telephone: Tokyo (03) 3245-6388 Facsimile: Tokyo (03) 3246-2609 Telex: J32539 HITACONJ

Cable Address: "TOKHITACHIKENKI"

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

Printed in Japan KS-F [F, H](HT4-H, KS-G)