

HITACHI

SuperEX **V**

EX60

Rated Engine HP : 41 kW (55 PS)

Operating Weights

EX60-5 : 6 300 kg (13 900 lb)

EX60LC-5 : 6 390 kg (14 100 lb)

Bucket Capacity

PCSA Heaped : 0.11—0.34 m³ (0.14 — 0.44 yd³)

CECE Heaped : 0.10—0.30 m³



The Quest for Real Value: The Super EX-V

Technological advances are limitless. The quest for real value—That's Hitachi's new challenge.

The result is the Super EX-V, featuring responsiveness of human-touch control with feel of power, agile movements, operator-first cab, enlarged undercarriage stability and mobility, plus highly durable front and undercarriage components. The environmentally-friendly design fits comfortably into a wide range of applications including civil engineering, pipe-laying work, demolition, and chizan work.

The Super EX-V is the productive, powerful hydraulic excavator that reduces life-time costs. The advent of the Hitachi hydraulic excavator with real value... just the beginning of Hitachi's next stride forward.

Super EX-V EX60



The EX60-s fitted with 3.72m (12'2") boom, 1.62m (5'4") arm and 0.28 m³ (0.37 yd³) bucket

Quick-Responding Control Enhances Easy, Productive Operation

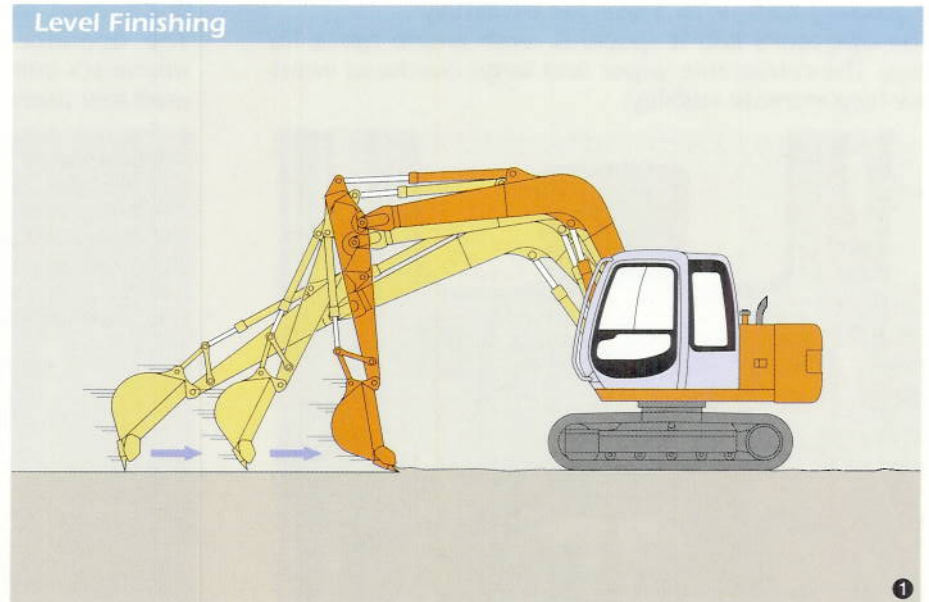
1 The Advanced Hydraulic System — a Hitachi original — the Heart of the Super EX-V

Here's versatility...a phase of real value. The advanced hydraulic system provides impressive versatility, allowing a variety of operations, such as digging, grading, finishing, and materials handling, with power and speed.

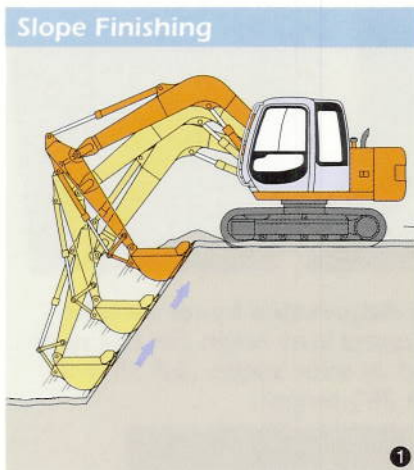
This hydraulic system provides:

- Smooth operations.
- Matched combined operations.
- Reduces operator fatigue.

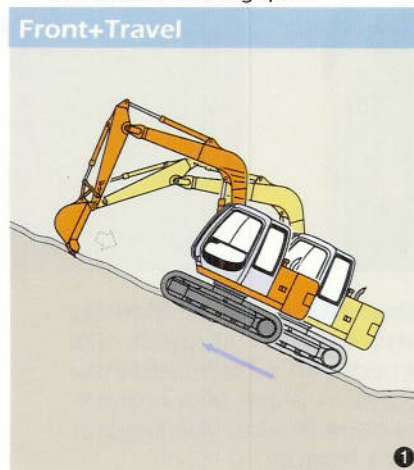
In other words, the Super EX-V delivers superior combined operations, quick level finishing, nimble slope tamping, and simple positioning for demolition, as well as straight-line travel and accurate steering



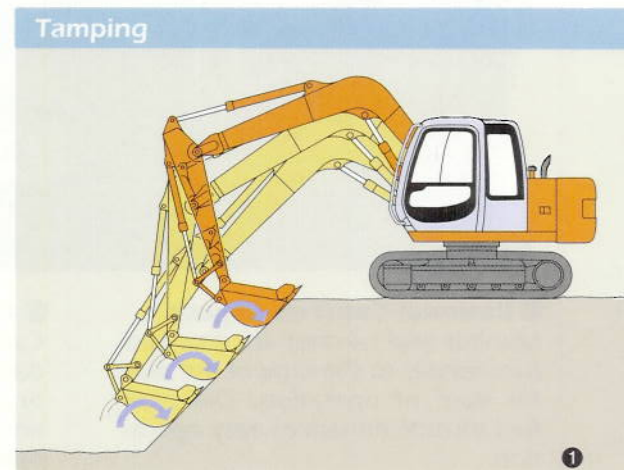
● Increased finishing speed



● Agile front movements



● Powerful slope climbing



● Quick, dynamic movements

2 Bigger Digging Forces

Powerful, efficient digging with bigger digging forces.

- Arm digging force : 38.2 kN (3 900 kgf, 8 600 lbf)
- Bucket digging force : 54.9 kN (5 600 kgf, 12 350 lbf)

2 Boosted Job Efficiency in E Mode

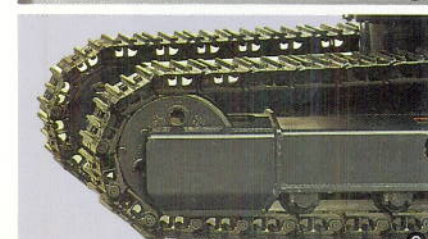
Engine speed is reduced in the E mode. Here, swashplate angle is computer controlled to increase pump delivery oil flow. This increases fuel efficiency.

2 Auto Idle Provided Standard

With the auto idle switch on, when the control lever is shifted to neutral, engine speed is reduced automatically about four seconds later. This saves energy.

3 Increased Traction Force for Higher Mobility

Traction force is increased by 7%, and front idlers are enlarged diameter for higher mobility — powerful fast-speed travel.



Operator Comfort Creates Higher Productivity

1 Roomy Cab with Superior Visibility

The operator's cab is spacious, with ample space for legs. The retractable wiper and large overhead window help increase visibility.



2 Comfort Designed Seat

The operator seat can be adjusted to operator's build and type of job. Vinyl-covered seat eases cleaning.

Adjustments:

- ① Seat sliding lever (back-and-forth)
- ② Reclining lever
- ③ Headrest height
- ④ Control lever height [35mm (1.38") range]
- ⑤ Pilot control shut-off lever
 - Seat height (bolt resetting)



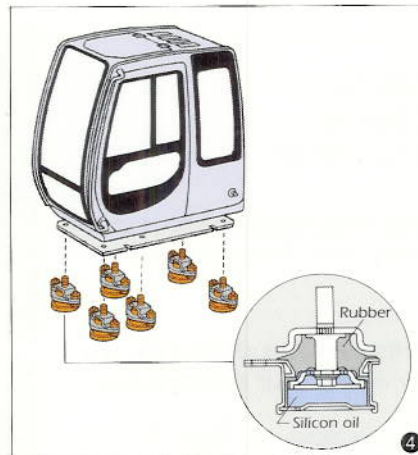
3 Rational Controls Layout

Monitor and switches are grouped functionally to the right of the seat for ease of operation. Dial-type fuel throttle enhances easy operation.



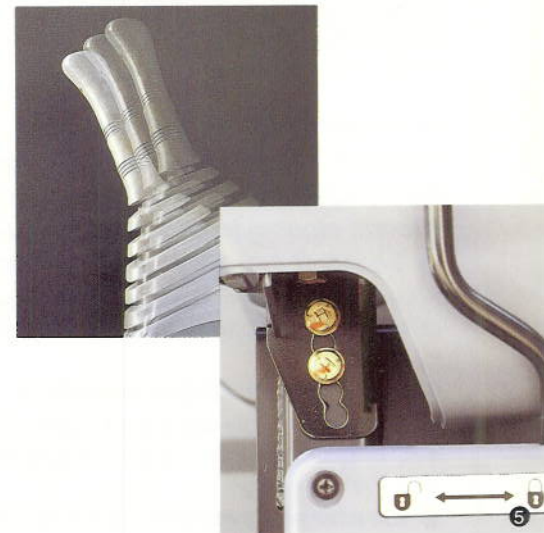
4 6 Fluid-Filled Elastic Mounts

Cab shocks and vibration are dampened with 6 fluid-filled elastic mounts in place of a conventional 4-point mount. This reduces operator's fatigue.



5 Adjustable Lever Height

Control lever height can be adjusted in three stages [full 35 mm (1.38") range].



Operator-and Environmentally-Friendly Design Enhances Simplified Maintenance and Reliability

1 Low Noise Design

The newly developed muffler reduces noise for quiet operation.

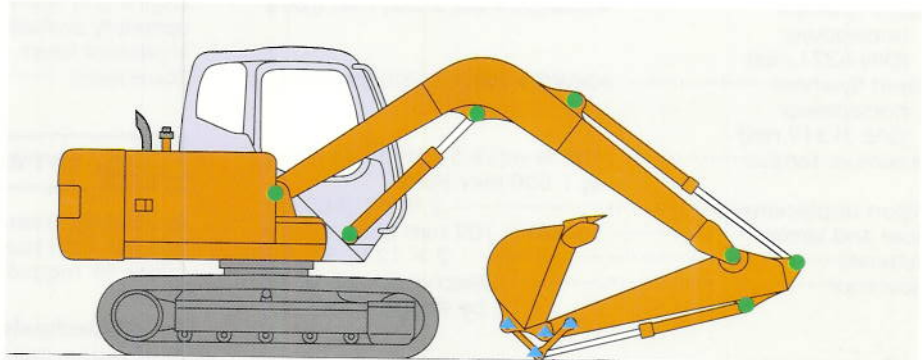
- Noise Level at Operator's ear : 70 dB (A)
- Noise Level at 7 m (23'0") away : 68 dB (A)

2 Evacuation Tool and Large Overhead Window

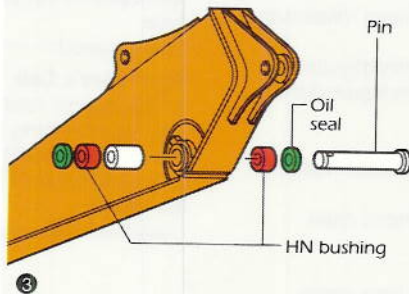
An evacuation tool is provided for emergency evacuation. A large overhead window can be used as an emergency exit.

3 Easy Maintenance Permitted by HN Bushings

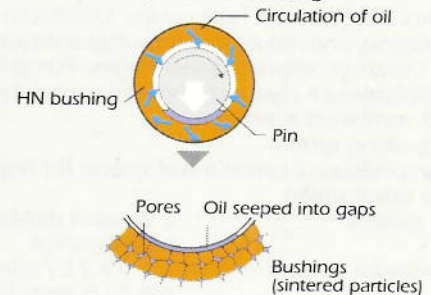
The HN bushings are made of a sintered composite iron alloy with high-viscosity lubricating oil vacuum impregnated in micron-sized pores. They are carburized for reliable and durable.



Interval ● : 500 hours ▲ : 100 hours



Principle of HN bushing



1



2

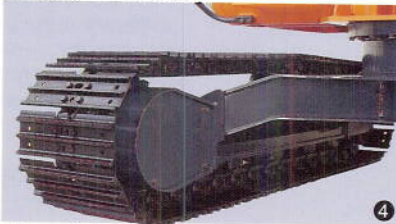
4 Enhanced Durability

Durability is further enhanced by widening arm top width and increasing pin diameter. Also, track frame, travel motor cover and track adjuster are strengthened for durability.



4

- Arm and Bucket pin



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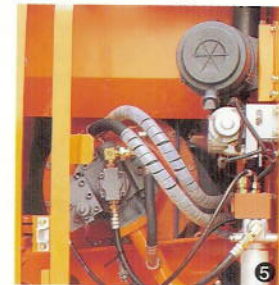
- Round travel motor cover



- Emergency engine stop lever (below seat)

5 Pump Bulkhead

A bulkhead is provided between pump and engine.



5



- Large handrail



ENGINE

Model	Nissan A-BD30
Type	4-cycle water-cooled, direct injection
Rated flywheel horsepower (DIN 6271, net)	41 kW (55 PS) at 2 200 min ⁻¹ (rpm)
Rated flywheel horsepower (SAE J1349, net)	40 kW (54 HP) at 2 200 min ⁻¹ (rpm)
Maximum torque	181 N·m (18.5 kgf·m, 134 lbf·ft) at 1 500 min ⁻¹ (rpm)
Piston displacement	2.953 L (180 in ³)
Bore and stroke	96 mm × 102 mm (3.8" × 4.0")
Batteries	2 × 12 V, 52 AH
Governor	Mechanical all-speed by stepping motor



HYDRAULIC SYSTEM

Hitachi's ETS (Electronic Total control System) can achieve maximum job efficiency and reduce fuel consumption/noise.

- E-P Control (Computer-aided Engine-Pump Control) System
- OHS (Optimum Hydraulic System) assures fully independent and combined operations
- Auto-idling system
- High-pressure 2-speed travel system for high traction force and travel speed

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	2 × 79.2 L / min (20.9 US gpm, 17.4 Imp gpm)
Pilot pump	1 gear pump
Maximum oil flow	23.5 L / min (6.2 US gpm, 5.2 Imp gpm)

Relief Valve Settings

Implement circuit	26.0 MPa (265 kgf/cm ² , 3 770 psi)
Swing circuit	26.0 MPa (265 kgf/cm ² , 3 770 psi)
Travel circuit	31.4 MPa (320 kgf/cm ² , 4 550 psi)
Pilot circuit	3.4 MPa (35 kgf/cm ² , 550 psi)

Hydraulic Cylinders

High-strength piston tubes are used. Cylinder cushion mechanisms are provided at the rod ends of both boom and arm cylinders to absorb shocks when pistons reach the stroke ends.

Dimensions

	Q'ty.	Bore	Rod diameter
Boom	1	115 mm (4.53")	65 mm (2.56")
Arm	1	95 mm (3.74")	60 mm (2.36")
Bucket	1	85 mm (3.35")	55 mm (2.17")

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in suction line, and a 10 μm full-flow filter in 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	2



UPPERSTRUCTURE

Revolving Frame

Welded high-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 immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed	14.5 min ⁻¹ (rpm)
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Operator's Cab

Independent roomy cab, 1 005 mm (40") wide by 1 665 mm (66") high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower), openable. Adjustable reclining seat; movable without control levers and monitor panel.

*International Standard for Organization



UNDERCARRIAGE

Tracks

Tractor-type undercarriage. Welded track frame, using carefully selected materials. Side frame welded to the track frame.

Lubricated track rollers, idlers, and sprockets with floating seals. Track shoes with triple grousers made of induction-hardened rolled alloy. Rubber, flat and triangular shoes 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 roller	1
Lower rollers	5
Track shoes	37 EX60-s 39 EX60LC-s

Traction Device

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

Travel speeds	High: 0 to 4.8 km/h (3.0 mph) Low: 0 to 3.7 km/h (2.3 mph)
Maximum traction force	46 kN (4 700 kgf, 10 400 lbf)
Gradeability	35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

EX60-s:

Equipped with 3.72 m (12'2") boom, 1.62 m (5'4") arm, and 0.28 m³ (0.37 yd³; PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	450 mm (18")	6 300 kg (13 900 lb)	29.4 kPa (0.30 kgf/cm ² , 4.27 psi)
		6 390 kg (14 100 lb)	27.5 kPa (0.28 kgf/cm ² , 3.98 psi)
	600 mm (24")	6 460 kg (14 200 lb)	22.6 kPa (0.23 kgf/cm ² , 3.27 psi)
		6 560 kg (14 500 lb)	21.6 kPa (0.22 kgf/cm ² , 3.13 psi)
Rubber type	450 mm (18")	6 300 kg (13 900 lb)	29.4 kPa (0.30 kgf/cm ² , 4.27 psi)
		6 390 kg (14 100 lb)	27.5 kPa (0.28 kgf/cm ² , 3.98 psi)
Triangular type	500 mm (20")	6 480 kg (14 300 lb)	26.5 kPa (0.27 kgf/cm ² , 3.84 psi)
		6 580 kg (14 500 lb)	25.5 kPa (0.26 kgf/cm ² , 3.70 psi)
	700 mm (28")	6 600 kg (14 600 lb)	19.6 kPa (0.20 kgf/cm ² , 2.84 psi)
		6 710 kg (14 800 lb)	18.6 kPa (0.19 kgf/cm ² , 2.70 psi)
Flat type	450 mm (18")	6 460 kg (14 200 lb)	29.4 kPa (0.30 kgf/cm ² , 4.55 psi)
		6 560 kg (14 400 lb)	28.4 kPa (0.29 kgf/cm ² , 4.12 psi)

Figures in are data on the EX60LC-s

Weights of the basic machines (including 700 kg (1 540 lb) counterweight and triple grouser shoes, excluding front-end attachment) are:

EX60-s 5 050 kg (11 100 lb) with 450 mm (18") shoes
EX60LC-s 5 140 kg (11 300 lb) with 450 mm (18") shoes

EX60-s with Off-set front:

Equipped with 1.62 m (5'4") arm, and 0.28 m³ (0.37 yd³; PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	450 mm (18")	6 900 kg (15 200 lb)	32.4 kPa (0.33 kgf/cm ² , 4.69 psi)
		6 990 kg (15 400 lb)	30.4 kPa (0.31 kgf/cm ² , 4.41 psi)
	600 mm (24")	7 060 kg (15 600 lb)	24.5 kPa (0.25 kgf/cm ² , 3.41 psi)
		7 160 kg (15 800 lb)	23.5 kPa (0.24 kgf/cm ² , 3.41 psi)
Rubber with dozer blade	450 mm (18")	7 430 kg (16 400 lb)	34.3 kPa (0.35 kgf/cm ² , 4.98 psi)
		7 520 kg (16 600 lb)	32.4 kPa (0.33 kgf/cm ² , 4.69 psi)
Triangular type	500 mm (20")	7 080 kg (15 600 lb)	29.4 kPa (0.30 kgf/cm ² , 4.27 psi)
		7 180 kg (15 800 lb)	28.4 kPa (0.29 kgf/cm ² , 3.84 psi)
	700 mm (28")	7 200 kg (15 900 lb)	21.6 kPa (0.22 kgf/cm ² , 3.13 psi)
		7 310 kg (16 100 lb)	20.6 kPa (0.21 kgf/cm ² , 2.84 psi)
Flat type	450 mm (18")	7 060 kg (15 600 lb)	32.4 kPa (0.33 kgf/cm ² , 4.69 psi)
		7 160 kg (15 800 lb)	31.4 kPa (0.32 kgf/cm ² , 4.55 psi)

Figures in are data on the EX60LC-s

Weights of the basic machines (including 800 kg (1 760 lb) counterweight and triple grouser shoes, excluding front-end attachment) are:

EX60-s 5 150 kg (11 400 lb) with 450 mm (18") shoes
EX60LC-s 5 240 kg (11 600 lb) with 450 mm (18") shoes

SERVICE REFILL CAPACITIES

	liters	US gal	Imp gal
Fuel tank	135.0	35.7	29.7
Engine coolant	10.0	2.6	2.2
Engine oil	12.5	3.3	2.7
Swing mechanism	1.8	0.48	0.40
Travel final device (each side)	3.0	0.79	0.66
Hydraulic system	90.0	23.8	19.8
Hydraulic tank	60.0	15.9	13.2

(Reference oil level)

Buckets

Capacity		Width		No. of teeth	Weight	Recommendation					
PCSA heaped	CECE heaped	Without side cutters	With side cutters			EX60-s/EX60LC-s		EX60-s/EX60LC-s with Rubber crawler		EX60-s/EX60LC-s with Off-set front	
						1.62 m (5'4") arm	2.12 m (6'11") arm	1.62 m (5'4") arm	2.12 m (6'11") arm		
0.11 m ³ (0.14 yd ³)	0.10 m ³	360 mm (14")	450 mm (18")	3	140 kg (310 lb)	○/○	○/○	○/○	○/○	○/○	
0.18 m ³ (0.24 yd ³)	0.15 m ³	450 mm (18")	550 mm (22")	3	168 kg (410 lb)	○/○	○/○	○/○	○/○	○/○	
0.20 m ³ (0.26 yd ³)	0.17 m ³	490 mm (19")	590 mm (23")	3	175 kg (390 lb)	○/○	○/○	○/○	○/○	○/○	
0.24 m ³ (0.31 yd ³)	0.20 m ³	560 mm (22")	650 mm (26")	3	180 kg (400 lb)	○/○	○/○	○/○	○/○	○/○	
0.28 m ³ (0.37 yd ³)	0.25 m ³	660 mm (26")	750 mm (30")	4	200 kg (440 lb)	○/○	○*/○	○/○	○*/○	○/○	
0.34 m ³ (0.44 yd ³)	0.30 m ³	770 mm (30")	860 mm (34")	5	220 kg (490 lb)	○/○	—	○/○	—	—	
*1 0.24 m ³ (0.31 yd ³)	0.20 m ³	560 mm (22")	650 mm (26")	3	185 kg (410 lb)	○/○	○/○	○/○	○/○	○/○	
1 0.28 m ³ (0.37 yd ³)	0.25 m ³	660 mm (26")	750 mm (30")	4	240 kg (530 lb)	○/○	○/○	○/○	○*/○	○*/○	
*1 0.34 m ³ (0.44 yd ³)	0.30 m ³	770 mm (30")	860 mm (34")	5	230 kg (510 lb)	○/○	—	—	—	—	
V-shaped bucket 0.20 m ³ (0.26 yd ³ ; CECE heaped)					2	190 kg (420 lb)	○	○	○	○	—
Slope-finishing blade; Width 750 mm (30"); Length 1 500 mm (59")						250 kg (550 lb)	◇	◇	◇	◇	—

*1 Reinforced bucket

**With 600 mm (24")/700 mm (28") shoes only

○ 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
◇ Slope finishing service
— Not recommended

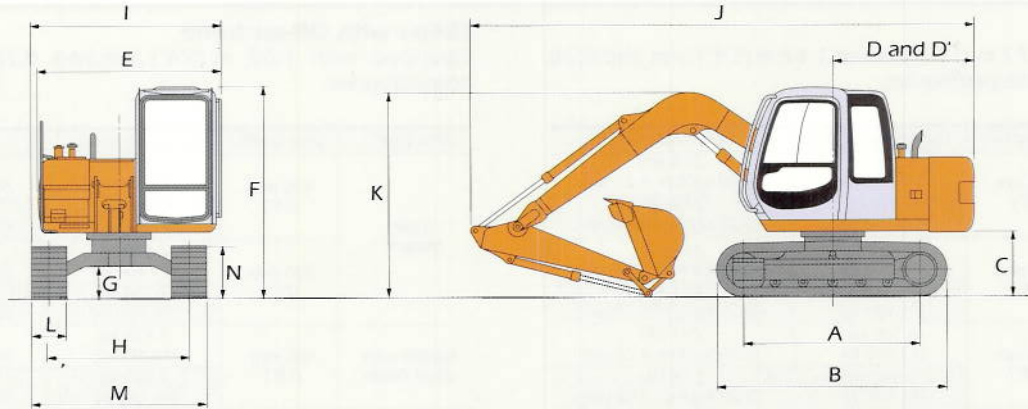
BACKHOE ATTACHMENTS

Boom and arms are of all-welded, low-stress, full box-section design. 3.72 m (12'2") boom, 1.62 m (5'4") and 2.12 m (6'11") arms are available.

Bucket is of all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

Buckets for the EX60-3, EX60-2 and EX60 are not attachable to the EX60-s, because arm width and pin diameter differ.

DIMENSIONS



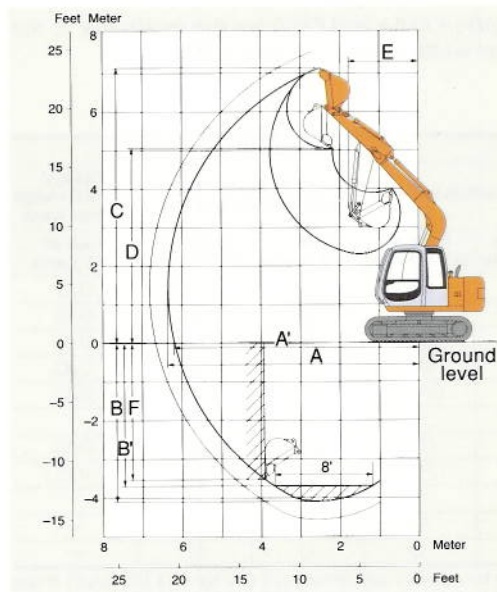
	EX60-s/EX60LC-s		E X60-s/EX60LC-s with Rubber crawler	
A Distance between tumblers	STD 2 140 mm (7'0")	LC 2 290 mm (7'6")	STD 2 140 mm (7'0")	LC 2 290 mm (7'6")
B Undercarriage length	STD 2 765 mm (8'10")	LC 2 920 mm (9'7")	STD 2 765 mm (8'10")	LC 2 920 mm (9'7")
*C Counterweight clearance	760 mm (2'6")		780 mm (2'7")	
D Rear-end swing radius	1 750 mm (5'9")		1 750 mm (5'9")	
D' Rear-end length	1 750 mm (5'9")		1 750 mm (5'9")	
E Overall width of upperstructure	2 255 mm (7'5")		2 255 mm (7'5")	
F Overall height of cab	2 570 mm (8'5")		2 570 mm (8'5")	
*G Min. ground clearance	360 mm (1'2")		380 mm (1'3")	
H Track gauge	STD 1 750 mm (5'9")	LC 1 850 mm (6'1")	STD 1 750 mm (5'9")	LC 1 850 mm (6'1")
I Overall width	STD 2 340 mm (7'8")	LC 2 390 mm (7'10")	STD 2 340 mm (7'8")	LC 2 390 mm (7'10")
J Overall length				
With 1.62 m (5'4") arm	6 080 mm (19'11")		6 080 mm (19'11")	
With 2.12 m (6'11") arm	6 120 mm (20'1")		6 120 mm (20'1")	
K Overall height of boom				
With 1.62 m (5'4") arm	2 550 mm (8'4")		2 550 mm (8'4")	
With 2.12 m (6'11") arm	2 880 mm (9'5")		2 880 mm (9'5")	
L Track shoe width	G: 450 mm (18")	G: 600 mm (24")	R: 450 mm (18")	
M Undercarriage width	STD 2 200 mm (7'3")	2 350 mm (7'9")	2 200 mm (7'3")	
	LC 2 300 mm (7'7")	2 450 mm (8'0")	2 300 mm (7'7")	
N Track height	670 mm (2'2") with triple grouser shoe		670 mm (2'2") with rubber crawler	

*Excluding track shoe lug.
(Except the rubber crawler)

G: Triple grouser shoe

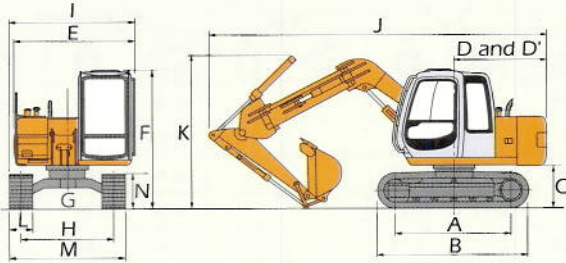
R: Rubber crawler

WORKING RANGES



	EX60-s/EX60LC-s		EX60-s/EX60LC-s with Rubber crawler	
Arm length	1.62 m (5'4")	2.12 m (6'11")	1.62 m (5'4")	2.12 m (6'11")
A Max. digging reach	6 310 mm (20'8")	6 800 mm (22'4")	6 310 mm (20'8")	6 800 mm (22'4")
A' Max. digging reach (on ground)	6 160 mm (20'3")	6 660 mm (21'10")	6 160 mm (20'3")	6 660 mm (21'10")
B Max. digging depth	4 150 mm (13'7")	4 660 mm (15'3")	4 130 mm (13'7")	4 640 mm (15'3")
B' Max. digging depth (8' level)	3 800 mm (12'6")	4 370 mm (14'4")	3 780 mm (12'5")	4 350 mm (14'3")
C Max. cutting height	7 150 mm (23'5")	7 550 mm (24'9")	7 170 mm (23'6")	7 570 mm (24'10")
D Max. dumping height	5 070 mm (16'8")	5 470 mm (17'11")	5 090 mm (16'8")	5 490 mm (18'0")
E Min. swing radius	1 700 mm (5'7")	2 060 mm (6'9")	1 700 mm (5'7")	2 060 mm (6'9")
F Max. vertical wall	3 520 mm (11'7")	4 060 mm (13'4")	3 480 mm (11'5")	4 040 mm (13'3")
Bucket digging force	ISO 55 kN (5 600 kgf, 12 400 lbf)		55 kN (5 600 kgf, 12 400 lbf)	
	SAE, PCSA 47 kN (4 800 kgf, 10 600 lbf)		47 kN (4 800 kgf, 10 600 lbf)	
Arm crowd force				
ISO	38 kN (3 900 kgf, 8 600 lbf)	32 kN (3 300 kgf, 7 280 lbf)	38 kN (3 900 kgf, 8 600 lbf)	32 kN (3 300 kgf, 7 280 lbf)
SAE, PCSA	36 kN (3 700 kgf, 8 200 lbf)	31 kN (3 200 kgf, 7 100 lbf)	36 kN (3 900 kgf, 8 600 lbf)	31 kN (3 200 kgf, 7 100 lbf)

DIMENSIONS

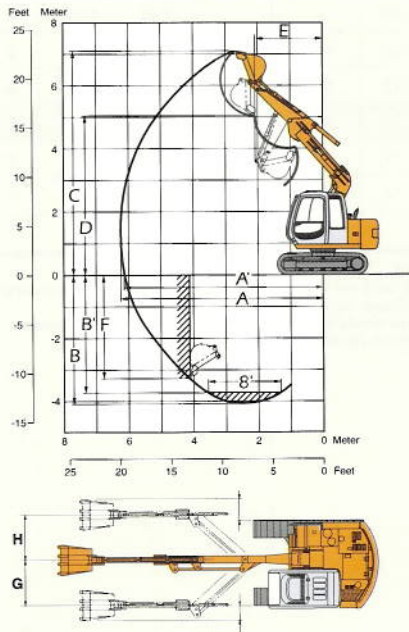


	EX60-5/EX60LC-5 with Off-set front	
A Distance between tumbler	STD 2 140 mm (7'0")	LC 2 290 mm (7'6")
B Undercarriage length	STD 2 765 mm (8'10")	LC 2 920 mm (9'7")
*C Counterweight clearance	760 mm (2'6")	
D Rear-end swing radius	1 750 mm (5'9")	
D' Rear-end length	1 750 mm (5'9")	
E Overall width of upperstructure	2 255 mm (7'5")	
F Overall height of cab	2 570 mm (8'5")	
*G Min. ground clearance	360 mm (1'2")	
H Track gauge	STD 1 750 mm (5'9")	LC 1 850 mm (6'1")
I Overall width	STD 2 340 mm (7'8")	LC 2 390 mm (7'10")
J Overall length	6 200 mm (20'4")	
With 1.62 m (5'4") arm		
K Overall height of boom	2 810 mm (9'3")	
With 1.62 m (5'4") arm		
L Track shoe width	G: 450 mm (18")	G: 600 mm (24")
M Undercarriage width	STD 2 200 mm (7'3")	2 350 mm (7'9")
	LC 2 300 mm (7'7")	2 450 mm (8'0")
N Track height	670 mm (2'2") with triple grouser shoe	

*Excluding track shoe lug.

G: Triple grouser shoe

WORKING RANGES



Arm length	EX60-5/EX60LC-5 with Off-set front	
	0 m	1.62 m (5'4")
Off-set distance		Max.
A Max. digging reach	6 310 mm (20'8")	5 860 mm (19'3")
A' Max. digging reach (on ground)	6 160 mm (20'3")	5 690 mm (18'8")
B Max. digging depth	4 150 mm (13'7")	3 690 mm (12'1")
B' Max. digging depth (8'level)	3 770 mm (12'4")	3 190 mm (10'6")
C Max. cutting height	7 120 mm (23'4")	6 760 mm (22'2")
D Max. dumping height	5 070 mm (16'8")	4 710 mm (15'5")
E Min. swing radius	2 080 mm (6'10")	*2 140 mm / 2 220 mm (7'0")/(7'3")
F Max. vertical wall	3 330 mm (10'11")	2 900 mm (9'6")
G Left side off-set distance	—	1 235 mm (4'1")
H Right side off-set distance	—	1 085 mm (3'7")
Bucket digging force	ISO 55kN (5 600 kgf, 12 400 lbf)	
	SAE, PCSA 47kN (4 800 kgf, 10 600 lbf)	
Arm crowd force	ISO 38kN (3 900 kgf, 8 600 lbf)	
	SAE, PCSA 36kN (3 700 kgf, 8 200 lbf)	

*Left/Right side off-set.
800 kg (1 760 lb) counterweight is required.

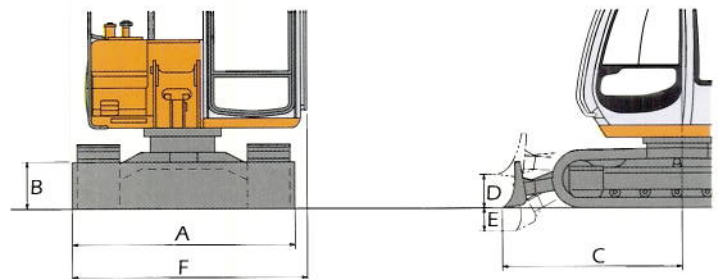
EX60-5/EX60LC-5 with Dozer blade (Option)

Equipped with 3.72 m (12'2") boom, 1.62 m (5'4") arm, 450 mm (18") triple grouser shoe and 0.28m³ (0.37 yd³; PCSA heaped) for EX60-5, 0.34m³ (0.44 yd³; PCSA heaped) for EX60LC-5 bucket.

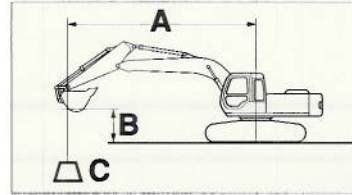
Operating weight..... STD: 6 830 kg (15 100 lb)
LC: 6 920 kg (15 300 lb)

Ground pressure..... STD: 31.4 kPa (0.32 kgf/cm², 4.55 psi)
LC: 30.4 kPa (0.31 kgf/cm², 4.41 psi)

A Overall width of blade..... 2 300 mm (7'7")
B Overall height of blade..... 420 mm (1'5")
C Blade distance..... 2 000 mm (6'7")
D Max. raising height above ground..... 425 mm (16.7")
E Max. lowering depth from ground 290 mm (11.4")
F Overall width..... 2 390 mm (7'10")



LIFTING CAPACITIES



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

METRIC MEASURE

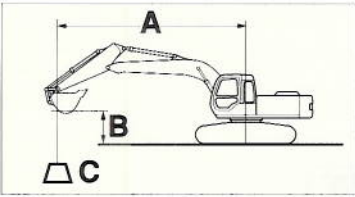
Rating over-side or 360 degrees Rating over-front Unit: 1 000 kg

EX60-s

Conditions	Load point height	Load radius										At max. reach		
		2 m		3 m		4 m		5 m		6 m				@ m
Boom 3.72 m Arm 1.62 m Bucket PCSA: 0.28 m ³ (0.37 yd ³) CECE: 0.25 m ³ Shoes 450 mm	5 m					1.34*	1.34*					0.89*	0.89*	4.88
	4 m			1.29*	1.29*	1.37*	1.37*					0.86*	0.86*	5.51
	3 m			1.76*	1.76*	1.45	1.56*	0.97	1.22			0.72	0.86*	5.87
	2 m			2.12	2.52	1.37	1.72	0.94	1.19			0.67	0.86	6.02
	1 m			2.01	2.60	1.30	1.65	0.91	1.15			0.67	0.85	5.97
	0 (Ground)			1.95	2.53	1.25	1.59	0.88	1.12			0.71	0.91	5.72
	-1 m	3.40*	3.40*	1.93	2.51	1.23	1.57	0.87	1.11			0.82	1.04	5.24
	-2 m	4.21*	4.21*	1.95	2.53	1.23	1.58					1.08	1.38	4.42
	-3 m	3.29*	3.29*	2.01	2.44*									
Boom 3.72 m Arm 2.12 m Bucket PCSA: 0.28 m ³ (0.37 yd ³) CECE: 0.25 m ³ Shoes 450 mm	5 m					1.09*	1.09*					0.81*	0.81*	5.49
	4 m					1.11*	1.11*	1.02	1.24			0.72	0.78*	6.05
	3 m			1.36*	1.36*	1.32*	1.32*	1.00	1.25			0.63	0.78*	6.37
	2 m			2.10*	2.10*	1.41	1.66*	0.97	1.21	0.63	0.88	0.59	0.76	6.51
	1 m			2.07	2.66	1.33	1.68	0.92	1.17	0.67	0.86	0.58	0.75	6.46
	0 (Ground)			1.96	2.56	1.26	1.61	0.89	1.13	0.65	0.84	0.61	0.79	6.24
	-1 m	2.90*	2.90*	1.92	2.50	1.22	1.57	0.86	1.11			0.69	0.88	5.80
	-2 m	3.90	4.71*	1.92	2.50	1.22	1.56	0.86	1.11			0.85	1.09	5.10
	-3 m	3.98*	3.98*	1.96	2.54	1.24	1.59							

- 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. 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



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

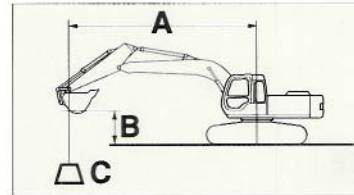
EX60LC-5

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

Conditions	Load point height	Load radius										At max.reach		
		2 m		3 m		4 m		5 m		6 m				@ m
Boom 3.72 m Arm 1.62 m Bucket PCSA: 0.34 m ³ (0.44 yd ³) CECE: 0.30 m ³ Shoes 450 mm	5 m											0.88*	0.88*	4.88
	4 m			1.28*	1.28*	1.32*	1.32*					0.84*	0.84*	5.51
	3 m			1.74*	1.74*	1.35*	1.35*	1.09	1.48*			0.81	0.84*	5.87
	2 m			2.40	2.50*	1.54*	1.54*	1.06	1.46			0.76	0.87*	6.02
	1 m			2.25	3.16*	1.53	1.86	1.02	1.42			0.75	0.94*	5.97
	0 (Ground)			2.18	3.15	1.45	2.03	0.99	1.39			0.80	1.05*	5.72
	-1 m	3.37*	3.37*	2.17	3.14	1.40	1.97	0.98	1.38			0.92	1.24*	5.24
	-2 m	4.20*	4.20*	2.18	3.08*	1.38	1.95					1.22	1.62*	4.42
	-3 m	3.28*	3.28*	2.24	2.42*	1.39	1.95							
Boom 3.72 m Arm 2.12 m Bucket PCSA: 0.28 m ³ (0.37 yd ³) CECE: 0.25 m ³ Shoes 450 mm	5 m					1.08*	1.08*					0.80*	0.80*	5.49
	4 m					1.10*	1.10*	1.13	1.23*			0.76*	0.76*	6.05
	3 m			1.35*	1.35*	1.30*	1.30*	1.12	1.29*			0.71	0.76*	6.37
	2 m			2.08*	2.08*	1.56	1.49*	1.08	1.45*	0.77	1.08	0.67	0.78*	6.51
	1 m			2.31	2.84*	1.48	2.02	1.04	1.44	0.76	1.06	0.66	0.84*	6.46
	0 (Ground)			2.20	3.17	1.41	1.98	1.00	1.40	0.74	1.04	0.69	0.92*	6.24
	-1 m	2.96*	2.96*	2.16	3.12	1.38	1.94	0.98	1.37			0.78	1.07*	5.80
	-2 m	4.44	4.69*	2.16	3.12	1.37	1.94	0.98	1.37			0.96	1.34*	5.10
	-3 m	3.96*	3.96*	2.19	2.83*	1.40	1.96							

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. 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



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

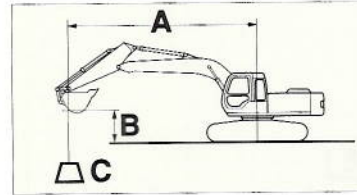
EX60-s with Rubber crawler

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

Conditions	Load point height	Load radius										At max.reach		
		2 m		3 m		4 m		5 m		6 m				@ m
Boom 3.72 m Arm 1.62 m Bucket PCSA: 0.28 m ³ (0.37 yd ³) CECE: 0.25 m ³ Shoes 450 mm	5 m					1.34*	1.34*					0.89*	0.89*	4.88
	4 m			1.29*	1.29*	1.37*	1.37*					0.81	0.85*	5.51
	3 m			1.75*	1.75*	1.40	1.55*					0.70	0.85*	5.87
	2 m			2.11	2.51*	1.33	1.69	0.94	1.19			0.65	0.84	6.02
	1 m			1.95	2.54	1.26	1.61	0.91	1.16			0.64	0.83	5.97
	0 (Ground)			1.88	2.47	1.20	1.56	0.87	1.13			0.68	0.88	5.72
	-1 m	3.39*	3.39*	1.87	2.46	1.18	1.54	0.85	1.10			0.78	1.02	5.24
	-2 m	3.95	4.21*	1.89	2.47	1.19	1.54	0.83	1.08			1.05	1.35	4.42
	-3 m	3.29*	3.29*	1.94	2.43*									
Boom 3.72 m Arm 2.12 m Bucket PCSA: 0.28 m ³ (0.37 yd ³) CECE: 0.25 m ³ Shoes 450 mm	5 m					1.08*	1.08*					0.80*	0.80*	5.49
	4 m					1.10*	1.10*	0.98	1.23*			0.68	0.77*	6.05
	3 m			1.35*	1.35*	1.30*	1.30*	0.96	1.22			0.59	0.77*	6.37
	2 m			2.08*	2.08*	1.36	1.64*	0.92	1.18	0.65	0.84	0.55	0.73	6.51
	1 m			1.99	2.59	1.27	1.63	0.88	1.13	0.63	0.82	0.55	0.72	6.46
	0 (Ground)			1.88	2.47	1.20	1.56	0.84	1.09	0.61	0.81	0.57	0.78	6.24
	-1 m	2.97*	2.97*	1.84	2.43	1.17	1.52	0.82	1.07			0.65	0.85	5.80
	-2 m	3.84	4.68*	1.84	2.43	1.16	1.51	0.82	1.07			0.81	1.05	5.10
	-3 m	3.93	3.95*	1.88	2.47	1.19	1.54							

- 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. 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



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

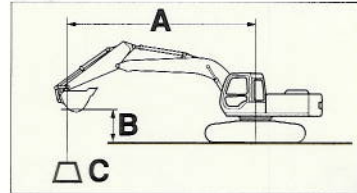
Rating over-side or 360 degrees Rating over-front Unit: 1 000 kg

EX60LC-5 with Rubber crawler

Conditions	Load point height	Load radius										At max.reach		
		2 m		3 m		4 m		5 m		6 m				@ m
Boom 3.72 m Arm 1.62 m Bucket PCSA: 0.34 m ³ (0.44 yd ³) CECE: 0.30 m ³ Shoes 450 mm	5 m					1.34*	1.34*					0.89*	0.89*	4.88
	4 m			1.29*	1.29*	1.37*	1.37*					0.85*	0.85*	5.51
	3 m			1.75*	1.75*	1.53	1.55*	1.03	1.33			0.77	0.85*	5.87
	2 m			2.31	2.51*	1.45	1.87*	1.00	1.30			0.71	0.89	6.02
	1 m			2.15	2.89	1.38	1.81	0.96	1.26			0.71	0.94*	5.97
	0 (Ground)			2.08	2.81	1.33	1.75	0.93	1.23			0.75	0.99	5.72
	-1 m	3.39*	3.39*	2.07	2.80	1.30	1.73	0.92	1.22			0.86	1.14	5.24
	-2 m	4.21*	4.21*	2.09	2.81	1.31	1.74					1.15	1.51	4.42
	-3 m	3.29*	3.29*	2.14	2.43									
Boom 3.72 m Arm 2.12 m Bucket PCSA: 0.28 m ³ (0.37 yd ³) CECE: 0.25 m ³ Shoes 450 mm	5 m					1.08*	1.08*					0.80*	0.80*	5.49
	4 m					1.10*	1.10*	1.07	1.23*			0.75	0.77*	6.05
	3 m			1.35*	1.35*	1.30*	1.30*	1.05	1.29*			0.66	0.77*	6.37
	2 m			2.08*	2.08*	1.48	1.64*	1.01	1.31	0.72	0.95	0.79*	0.79*	6.51
	1 m			2.20	2.83*	1.39	1.83	0.97	1.27	0.70	0.93	0.61	0.81	6.46
	0 (Ground)			2.08	2.81	1.33	1.75	0.93	1.23	0.68	0.91	0.64	0.85	6.24
	-1 m	2.97*	2.97*	2.04	2.77	1.29	1.71	0.90	1.20			0.72	0.96	5.80
	-2 m	4.33	4.68*	2.04	2.77	1.28	1.71	0.90	1.20			0.89	1.18	5.10
	-3 m	3.95*	3.95*	2.08	2.81	1.31	1.74							

- Notes:**
1. Ratings are based on SAE J1097.
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 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



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

EX60-s Off-set front with Dozer blade(not on ground)

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

Conditions	Load point height	Load radius										At max.reach		
		2 m		3 m		4 m		5 m		6 m				@ m
Boom 3.72 m Arm 1.62 m Bucket PCSA: 0.28 m ³ (0.37 yd ³) CECE: 0.25 m ³ Shoes 450 mm	5 m			1.22*	1.22*							1.14	1.18*	4.87
	4 m			1.27*	1.27*	1.27*	1.27*					0.85	0.97	5.51
	3 m			1.62*	1.62*	1.40*	1.40*	1.00	1.14			0.71	0.81	5.87
	2 m					1.43	1.63	0.95	1.08			0.63	0.73	6.02
	1 m					1.28	1.48	0.88	1.01			0.61	0.71	5.98
	0 (Ground)					1.17	1.37	0.82	0.95			0.64	0.74	5.73
	-1 m			1.78	2.12	1.13	1.32	0.79	0.92			0.74	0.86	5.25
	-2 m	3.56*	3.56*	1.81	2.15	1.13	1.32					1.01	1.17	4.44
	-3 m	2.81*	2.81*	1.91	2.13*									

EX60LC-s Off-set front with Dozer blade(not on ground)

Conditions	Load point height	Load radius										At max.reach		
		2 m		3 m		4 m		5 m		6 m				@ m
Boom 3.72 m Arm 1.62 m Bucket PCSA: 0.28 m ³ (0.37 yd ³) CECE: 0.25 m ³ Shoes 450 mm	5 m			1.22*	1.22*							1.18*	1.18*	4.87
	4 m			1.27*	1.27*	1.27*	1.27*					0.94	1.10	5.51
	3 m			1.62*	1.62*	1.40*	1.40*	1.10	1.29			0.79	0.93	5.87
	2 m					1.57	1.65*	1.05	1.23			0.71	0.85	6.02
	1 m					1.42	1.69	0.98	1.16			0.69	0.82	5.98
	0 (Ground)					1.31	1.58	0.92	1.10			0.72	0.87	5.73
	-1 m			2.00	2.48	1.26	1.53	0.89	1.07			0.83	1.00	5.25
	-2 m	3.56*	3.56*	2.03	2.51	1.27	1.53					1.13	1.35	4.44
	-3 m	2.81*	2.81*	2.13*	2.13*									

- 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. The load point is a hook (not standard equipment) loaded on the back of the bucket.
 4. *Indicates load limited by hydraulic capacity.

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

ENGINE

- E mode control
- 25 A alternator
- Dry-type air filter with evacuator valve
- Cartridge-type engine oil filter
- Cartridge type fuel filter
- Radiator and oil cooler with dust protective net
- Radiator reserve tank
- Isolation-mounted engine
- Auto-idling system

HYDRAULIC SYSTEM

- ETS
- E-P control system (power mode selector)
- OHS
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Swing cushion valve in swing circuit
- Travel cushion valve in travel circuit

- Control valve with main relief valve
- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter

CAB

All-weather sound-suppressed steel cab. Reinforced tinted (bronze color) glass windows. 6 fluid-filled elastic mounts. Openable front window-upper, lower and left side windows. Intermittent windshield retractable wiper. Adjustable reclining vinylcovered seat. Footrest. Auto-idle switch. Seat belt. Floor mat. Heater. Pilot control shut-off lever.

MONITOR SYSTEM

- Meters:
 - Hourmeter. Engine coolant temperature gauge.
 - Fuel meter.
- Warning lamps:
 - Alternator charge. Engine oil pressure. Engine overheat.
 - Air cleaner clog.
- Pilot lamps:
 - Engine preheat.
- Alarm buzzers:
 - Engine oil pressure.
 - Engine overheat.

LIGHTS

- 2 working lights

UPPERSTRUCTURE

- Undercover
- 700 kg (1 540 lb) counterweight
- Fuel level float
- Hydraulic oil level gauge
- Tool box
- Swing parking brake

UNDERCARRIAGE

- Travel parking brake
- Travel motor covers
- Hydraulic track adjuster
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 450 mm (18") triple grouser shoes

FRONT ATTACHMENTS

- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Dirt seals on all bucket pins
- 1.62 m (5'4") arm
- 0.28m³ (0.37 yd³) PCSA heaped bucket

MISCELLANEOUS

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

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

- Cooler
- Adjustable reclining clothcovered seat
- AM-FM radio
- Hose rupture valves
- Electric fuel refilling pump
- Swing motion alarm device with lamp
- Travel motion alarm device
- Additional pump
- Piping kit for extra valve port

- PTO/additional valve with piping kit (For standard pump only) (Not for optional blade)
- Pre-cleaner
- Front glass lower guard
- Slope-finishing blade for slope finishing jobs...scraping up or down, compacting, leveling, grading etc.
- Dozer blade
- V-shape bucket 0.20m³ (0.26 yd³:CECE heaped)

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KS-E232P

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.



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