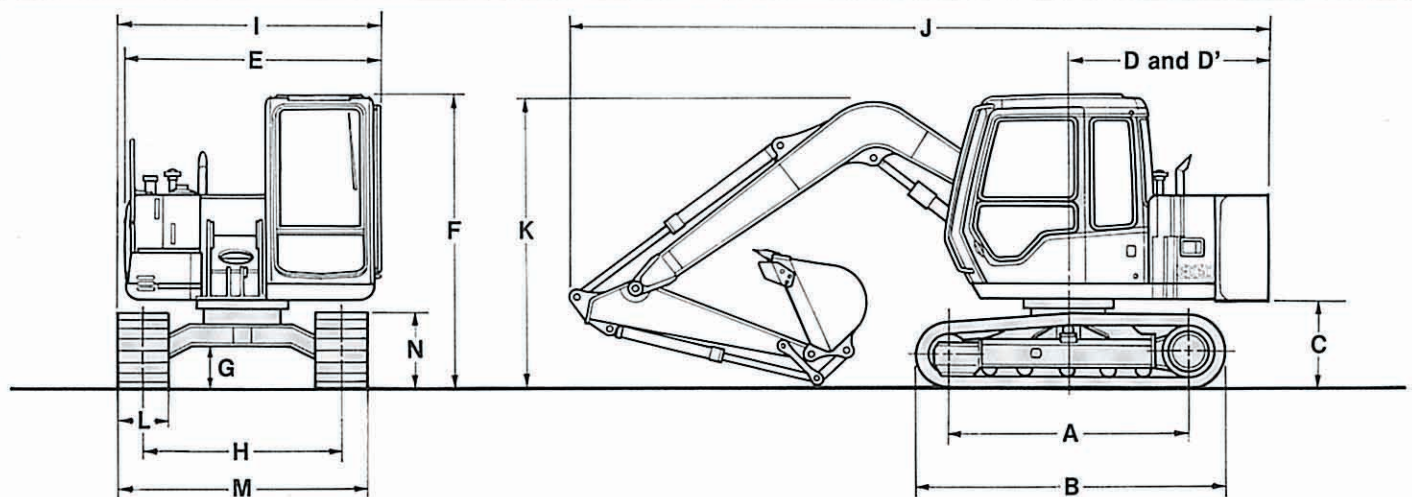


SuperEX EX60

- Rated engine HP 40 kW (55 PS)
- Operating weight..... EX60-2: 6 300 kg (13 900 lb)
- Backhoe bucket..... PCSA heaped: 0.11 — 0.34 m³
(0.14 — 0.44 cu yd)
CECE heaped: 0.10 — 0.30 m³

Specifications



	EX60-2	EX60-2 with Off-set front	EX60-2 with Rubber crawler
A Distance between tumbler	2 090 mm (6'10")	2 090 mm (6'10")	2 110 mm (6'11")
B Undercarriage length	2 700 mm (8'10")	2 700 mm (8'10")	2 710 mm (8'11")
*C Counterweight clearance	760 mm (2'6")	760 mm (2'6")	780 mm (2'7")
D Rear-end swing radius	1 750 mm (5'9")	1 750 mm (5'9")	1 750 mm (5'9")
D' Rear-end length	1 750 mm (5'9")	1 750 mm (5'9")	1 750 mm (5'9")
E Overall width of superstructure	2 205 mm (7'3")	2 205 mm (7'3")	2 205 mm (7'3")
F Overall height of cab	2 570 mm (8'5")	2 570 mm (8'5")	2 570 mm (8'5")
*G Min. ground clearance	360 mm (1'2")	360 mm (1'2")	380 mm (1'3")
H Track gauge	1 700 mm (5'7")	1 700 mm (5'7")	1 700 mm (5'7")
I Overall width	2 280 mm (7'6")	2 280 mm (7'6")	2 280 mm (7'6")
J Overall length			
With 1.62 m (5'4") arm	6 080 mm (19'11")	6 160 mm (20'3")	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	2 540 mm (8'4")	2 760 mm (9'1")	2 540 mm (8'4")
With 2.12 m (6'11") arm	2 690 mm (8'10")	—	2 690 mm (8'10")
L Track shoe width	G: 450 mm (18")	G: 600 mm (24") R: 450 mm (18")	T: 500 mm (20")
M Undercarriage width	2 150 mm (7'1")	2 300 mm (7'7")	2 150 mm (7'1") 2 200 mm (7'3")
N Track height	670 mm (2'2") with triple grouser shoe, 740 mm (2'5") with triangular shoe		

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

G: Triple grouser shoe
R: Rubber crawler
T: Triangular shoe

TECHNICAL DATA

ENGINE

Model	Nissan BD3004
Type	Water-cooled, 4-cycle, 4-cylinders in line, direct injection chamber type, diesel engine
Rated flywheel horsepower (DIN 6271, net)	40 kW (55 PS) at 2 200 rpm
Rated flywheel horsepower (SAE J1349, net)	40 kW (54 HP) at 2 200 rpm
Maximum torque	181 N·m (18.5 kgf·m, 134 lbf·ft) at 1 500 rpm
Piston displacement	2.953 l (180 cu in)
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
- FPS (Fuel-saving Pump System)
- Auto-idling system
- High-pressure 3-speed travel system for high traction force and travel speed

Main pumps	2-variable displacement axial piston pumps
Maximum oil flow	2 × 94.6 l/min (25.0 US gpm, 20.8 Imp gpm)
Pilot pump	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	27.5 MPa (280 kgf/cm ² , 3 980 psi)
Pilot circuit	3.4 MPa (35 kgf/cm ² , 500 psi)

Hydraulic Cylinders

High-strength piston rods and tubes. Cylinder cushion mechanisms are provided for all cylinders to absorb shock when pistons reach their stroke ends.

Dimensions

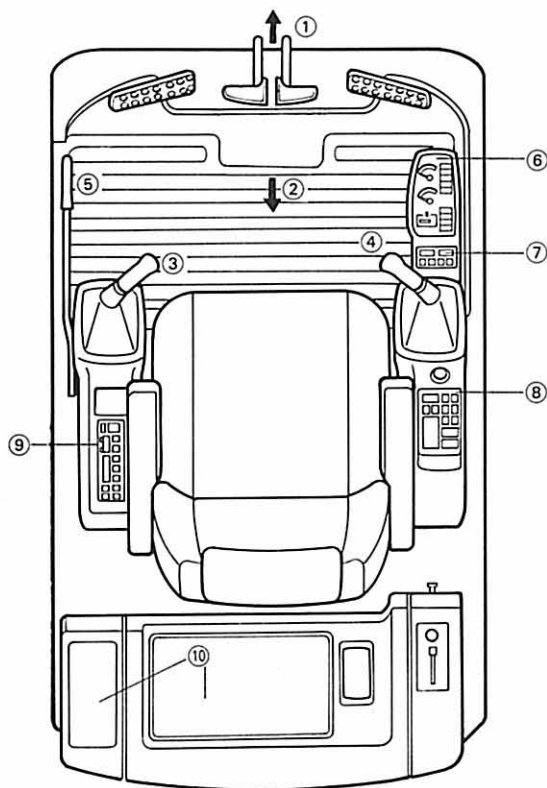
	Quan.	Bore	Rod diameter
Boom	1	115 mm (4.53")	65 mm (2.56")
Arm	1	95 mm (3.74")	60 mm (2.36")
Bucket	1	85 mm (3.35")	55 mm (2.17")

Hydraulic Filters

All hydraulic circuits have high-quality hydraulic filters for protection against oil contamination and longer life of hydraulic components. A suction filter is built in suction line, and a 10μm full-flow filter in return circuit and swing/travel motor drain lines.

CONTROLS

Pilot controls for boom, arm, bucket and swing, manual controls for travel. Hitachi original shockless regulator, and quick warm-up system are built in the pilot circuit for easy, precise, fatigue-free operation. Multi rotary pilot control valve is optionally available for simple selection of control lever direction.



- ① Travel forward } with levers
- ② Travel reverse }
- ③ Swing / Arm control lever
- ④ Boom / Bucket control lever
- ⑤ Pilot control shut-off lever
- ⑥ Monitor panel
- ⑦ Switch panel I
- ⑧ Switch panel II
- ⑨ Auto-tuning radio
- ⑩ Rear tray



UPPERSTRUCTURE

Revolving Frame

Welded high-strength box construction, using heavy-gauge steel plates for high ruggedness. Reinforced D-section frame featuring high resistance to deformation.

Swing Mechanism

High-torque, 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 cushion valve built in swing motor absorbs shocks when stopping swing, ensuring smooth stops.

Swing speed 15.0 min⁻¹ (15.0 rpm)

Operator's Cab

Independent roomy cab, 940 mm (37") wide by 1 645 mm (65") high, conforming to ISO* Standards. Reinforced glass windows on all 4 sides for all-round visibility. Front windows (upper and lower), fully openable, is storable in the cab. Fully adjustable reclining seat with armrests; movable with or without control levers and monitor panel.

* International Standard Organization



UNDERCARRIAGE

Tracks

Tractor-type undercarriage. Heavy-duty track frame of all welded structure. Top-grade materials employed for heavy-duty operation. Side frames are rigidly welded to the track frame.

Lifetime-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. Specially 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

Travel Device

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

Travel speeds High: 0 to 5.0 km/h (3.1 mph)
Medium: 0 to 3.3 km/h (2.0 mph)
Low: 0 to 2.5 km/h (1.6 mph)

Maximum traction force 48.1 kN
(4 900 kgf, 10 800 lbf)

Gradeability 35° (70 %) continuous

WEIGHTS AND GROUND PRESSURE

EX60-2: Equipped with 3.72 m (12'2") boom, 1.62 m (5'4") arm, and 0.28 m³ (0.37 cu yd; PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	450 mm (18")	6 300 kg (13 900 lb)	30.4 kPa (0.31 kgf/cm ² , 4.41 psi)
	600 mm (24")	6 500 kg (14 300 lb)	23.5 kPa (0.24 kgf/cm ² , 3.41 psi)
Rubber type	450 mm (18")	6 100 kg (13 500 lb)	29.4 kPa (0.30 kgf/cm ² , 4.27 psi)
Triangular type	500 mm (20")	6 500 kg (14 300 lb)	27.5 kPa (0.28 kgf/cm ² , 3.98 psi)
	700 mm (28")	6 600 kg (14 600 lb)	20.6 kPa (0.21 kgf/cm ² , 2.99 psi)
Flat type	450 mm (18")	6 500 kg (14 300 lb)	30.4 kPa (0.31 kgf/cm ² , 4.41 psi)

Operating weight implies total weight of the basic machine plus 650 kg (1 430 lb) counterweight and triple grouser shoes, excluding front-end attachment.

5 200 kg (11 500 lb) with 450 mm (18") shoes.

EX60-2 with Off-set front: Equipped with 1.62 m (5'4") arm, and 0.28 m³ (0.37 cu yd; PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	450 mm (18")	6 800 kg (15 000 lb)	32.4 kPa (0.33 kgf/cm ² , 4.69 psi)
	600 mm (24")	7 000 kg (15 400 lb)	24.5 kPa (0.25 kgf/cm ² , 3.56 psi)
*Rubber with dozer blade	450 mm (18")	7 100 kg (15 700 lb)	34.3 kPa (0.35 kgf/cm ² , 4.98 psi)
Triangular type	500 mm (20")	7 000 kg (15 400 lb)	30.4 kPa (0.31 kgf/cm ² , 4.41 psi)
	700 mm (28")	7 100 kg (15 700 lb)	21.6 kPa (0.22 kgf/cm ² , 3.13 psi)
Flat type	450 mm (18")	6 900 kg (15 200 lb)	32.4 kPa (0.33 kgf/cm ² , 4.69 psi)

* When using rubber crawlers, only the machine with the dozer blade is applicable.

Operating weight implies total weight of the basic machine plus 700 kg (1 540 lb) counterweight and triple grouser shoes, excluding front-end attachment.

5 250 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 drive device (each side)	3.0	0.79	0.66
Hydraulic system	90.0	23.8	19.8
Hydraulic tank	42.0	11.1	9.2

TECHNICAL DATA



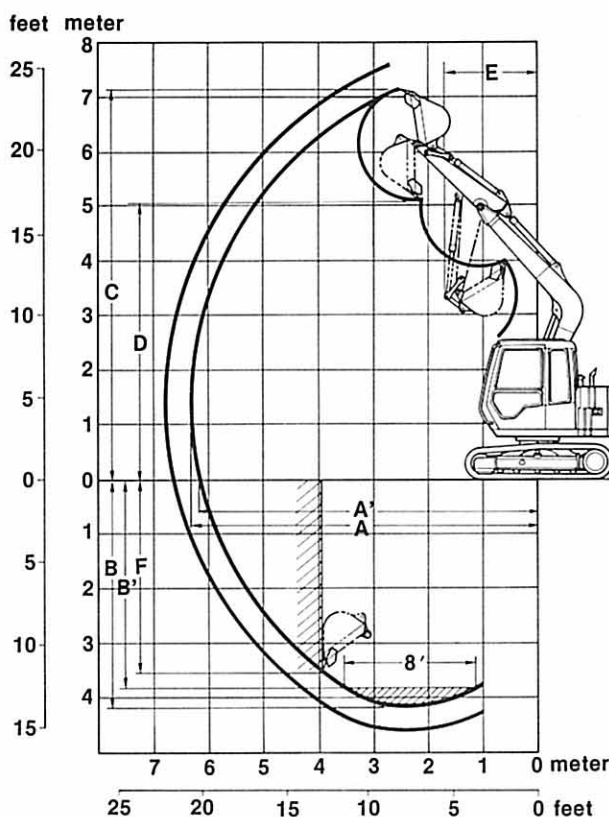
BACKHOE ATTACHMENTS

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.



WORKING RANGES



	EX60-2		EX60-2 with Rubber crawler	
	1.62 m (5'4")	2.12 m (6'11")	1.62 m (5'4")	2.12 m (6'11")
Arm length				
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	3 500 mm (11'6")	4 060 mm (13'4")	3 480 mm (11'5")	4 040 mm (13'3")
Bucket digging force	47.1 kN (4 800 kgf, 10 600 lbf)	47.1 kN (4 800 kgf, 10 600 lbf)	47.1 kN (4 800 kgf, 10 600 lbf)	47.1 kN (4 800 kgf, 10 600 lbf)
Arm crowd force	36.3 kN (3 700 kgf, 8 200 lbf)	31.4 kN (3 200 kgf, 7 100 lbf)	36.3 kN (3 700 kgf, 8 200 lbf)	31.4 kN (3 200 kgf, 7 100 lbf)

Buckets

Capacity		Width		No. of teeth	Weight	Recommendation			
PCSA heaped	CECE heaped	Without side cutters	With side cutters			EX60-2		EX60-2 with Rubber crawler	
						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 cu yd)	0.10 m ³	360 mm (14")	450 mm (18")	3	140 kg (310 lb)	⊙	⊙	⊙	⊙
0.24 m ³ (0.31 cu yd)	0.20 m ³	560 mm (22")	650 mm (26")	3	180 kg (400 lb)	⊙	⊙	⊙	⊙
0.28 m ³ (0.37 cu yd)	0.25 m ³	660 mm (26")	750 mm (30")	4	200 kg (440 lb)	⊙	○ ^{*2}	⊙	○ ^{*2}
0.34 m ³ (0.44 cu yd)	0.30 m ³	770 mm (30")	860 mm (34")	5	220 kg (490 lb)	○	—	○	—
*0.28 m ³ (0.37 cu yd)	0.25 m ³	660 mm (26")	750 mm (30")	4	240 kg (530 lb)	⊙	○ ^{*2}	⊙	○ ^{*2}
V-shaped bucket 0.20 m ³ (0.26 cu yd; 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

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

⊙ Suitable for materials with density of 2 000 kg/m³ (3 370 lb/cu yd) or less

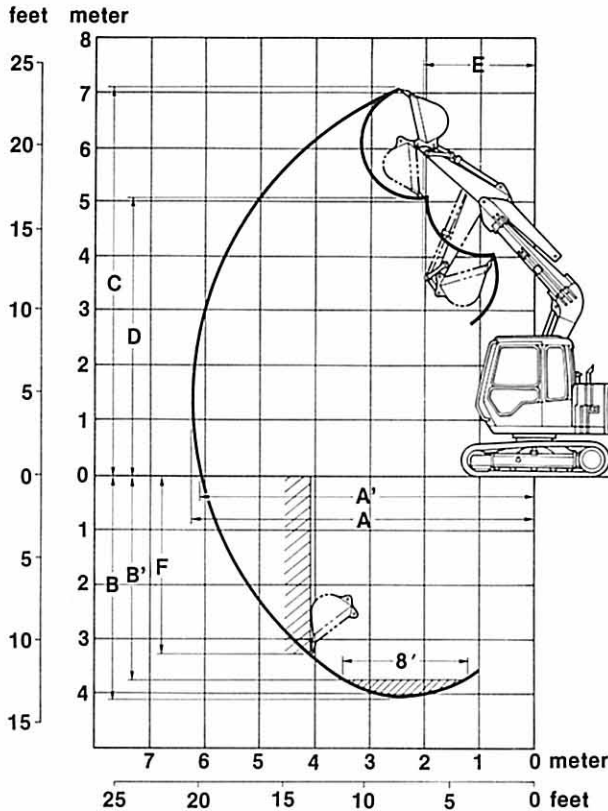
○ Suitable for materials with density of 1 600 kg/m³ (2 700 lb/cu yd) or less

◇ Slope finishing service

— Not recommended



WORKING RANGES



EX60-2 with Off-set front		
Arm length	1.62 m (5'4")	
Off-set distance	0 m	Max.
A Max. digging reach	6 310 mm (20'8")	5 870 mm (19'3")
A' Max. digging reach (on ground)	6 160 mm (20'3")	5 700 mm (18'8")
B Max. digging depth	4 150 mm (13'7")	3 700 mm (12'2")
B' Max. digging depth (8' level)	3 700 mm (12'2")	3 310 mm (10'10")
C Max. cutting height	7 120 mm (23'4")	6 770 mm (22'3")
D Max. dumping height	5 070 mm (16'8")	4 720 mm (15'6")
E Min. swing radius	2 080 mm (6'10")	*2 120 mm/2 190 mm (6'11")/(7'2")
F Max. vertical wall	3 300 mm (10'10")	2 870 mm (9'5")
G Left side off-set distance	—	1 090 mm (3'7")
H Right side off-set distance	—	1 210 mm (4'0")
Bucket digging force	47.1 kN (4 800 kgf, 10 600 lbf)	
Arm crowd force	36.3 kN (3 700 kgf, 8 200 lbf)	

* Left/Right side off-set.
700 kg (1 540 lb) counterweight is required.

Buckets

Capacity		Width		No. of teeth	Weight	Recommendation
PCSA heaped	CECE heaped	Without side cutters	With side cutters			EX60-2 with Off-set front
0.11 m ³ (0.14 cu yd)	0.10 m ³	360 mm (14")	450 mm (18")	3	140 kg (310 lb)	⊙
0.24 m ³ (0.31 cu yd)	0.20 m ³	560 mm (22")	650 mm (26")	3	180 kg (400 lb)	⊙
0.28 m ³ (0.37 cu yd)	0.25 m ³	660 mm (26")	750 mm (30")	4	200 kg (440 lb)	⊙
*1 0.28 m ³ (0.37 cu yd)	0.25 m ³	660 mm (26")	750 mm (30")	4	240 kg (530 lb)	○*2

*1 Reinforced bucket

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

⊙ Suitable for materials with density of 2 000 kg/m³ (3 370 lb/cu yd) or less
○ Suitable for materials with density of 1 600 kg/m³ (2 700 lb/cu yd) or less

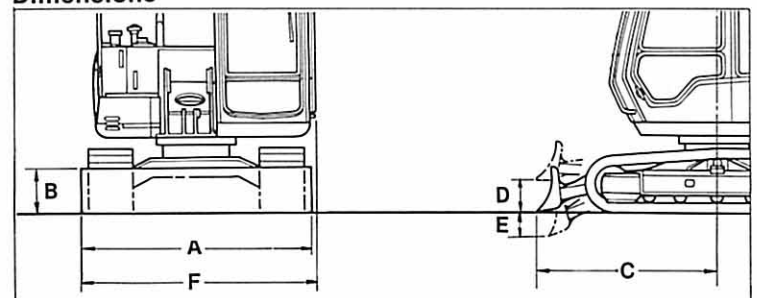
EX60-2 with Dozer blade

Equipped with 3.72 m (12'2") boom, 1.62 m (5'4") arm, 450 mm (18") triple grouser shoe and 0.28 m³ (0.37 cu yd; PCSA heaped) bucket

Operating weight 6 700 kg (14 800 lb)
Ground pressure 32.4 kPa (0.33 kgf/cm², 4.69 psi)
Weight of blade ass'y 400 kg (880 lb)

- A Overall width of blade 2 300 mm (7'7")
- B Overall height of blade 460 mm (1'6")
- C Blade distance 1 800 mm (5'11")
- D Max. raising height above ground 325 mm (1'1")
- E Max. lowering depth from ground 260 mm (10.2")
- F Overall width 2 360 mm (7'9")

Dimensions



TECHNICAL DATA



STANDARD EQUIPMENT

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

Cab

All-weather sound-suppressed steel cab equipped with reinforced, tinted (bronze color) glass windows, openable front windows — upper, lower and both side windows with intermittent windshield wipers, adjustable reclining seat with armrests, electric double horn; auto-tuning radio with digital clock, auto-idle switch, cigar lighter, parcel pocket, rear tray, floor mat, heater, and pilot control shut-off lever.

Monitor system

- Meters
 - Hour meter, coolant temperature gauge and fuel gauge
- Indicator
 - Alternator, engine oil pressure, air filter restriction, over-heat, engine preheat
- Alarm buzzers
 - Engine oil pressure and overheat

Lights

- 2 working lights and 1 cab light

Upperstructure

Full undercover for noise suppression, 650 kg (1 430 lb) counterweight, large tool box, cartridge-type filters for engine oil and fuel, heavy-duty air cleaner with evacuator valve, radiator and oil cooler with dust-proof net, radiator reserve tank, hydraulic warm-up control system for engine and hydraulic oil, quick warm-up system for pilot circuit, control valve with main relief valve.

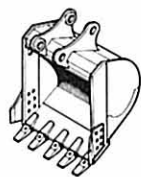
Undercarriage

Hydraulic brake valves for travel circuit, travel motor covers and hydraulic track adjuster.

Miscellaneous

Standard tool kit, lockable machine covers, fuel filling cap, non-slip tapes and handrails.

Type of Bucket



Backhoe bucket

Type of Shoe



Triple grouser shoe
450 mm (18")



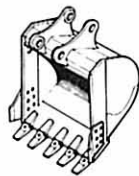
OPTIONAL EQUIPMENT

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

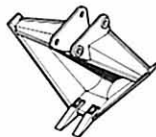
- Air conditioner
- Multi selection lever with rotary valve
- Electric fuel refilling pump
- Swing motion alarm device with lamp
- Travel motion alarm device
- Additional pump
- Piping kit for hydraulic breaker and crusher

- Reinforced bucket (0.28 m³, 0.37 cu yd; PCSA heaped) for loading hardpan
- V-shaped bucket for water-ways and drainage
- Slope-finishing blade for slope finishing jobs . . . scraping up or down, compacting, leveling, grading etc.
- Off-set front for easier off-set operation
- Dozer blade

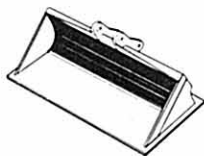
Type of Bucket



Reinforced bucket



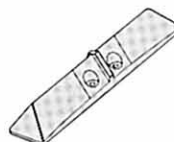
V-shaped bucket
for EX60-2



Slope-finishing blade
for EX60-2 and EX60-2
with rubber crawler



Triple grouser shoe
600 mm (24")



Triangular shoe
500 mm (20"),
700 mm (28")

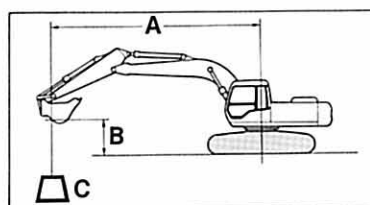


Flat shoe
450 mm (18")

Rubber crawler
450 mm (18")

Type of Shoe

LIFTING CAPACITIES



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

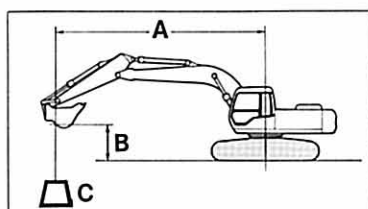
Rating over-side or 360 degrees Rating over-front

EX60-2

Unit: 1 000 kg (1 000 lb)

Conditions	Load point height m (ft in)	Load radius										At max. reach		
		2 (6'7")		3 (9'10")		4 (13'1")		5 (16'5")		6 (19'8")				
														@ m (ft in)
Boom 3.72 m (12'2") Arm 1.62 m (5'4") Bucket PCSA: 0.28 m ³ (0.37 cu yd) CECE: 0.25 m ³ Shoes 450 mm (18")	4 (13'1")			*1.31 (2.89)	*1.31 (2.89)	*1.38 (3.04)	*1.38 (3.04)					0.80 (1.76)	*0.87 (1.92)	5.53 (18'2")
	3 (9'10")			*1.79 (3.95)	*1.79 (3.95)	1.39 (3.06)	*1.58 (3.48)	0.94 (2.07)	1.15 (2.54)			0.70 (1.54)	0.86 (1.90)	5.89 (19'4")
	2 (6'7")			2.08 (4.59)	*2.56 (5.64)	1.32 (2.91)	1.62 (3.57)	0.91 (2.01)	1.12 (2.47)			0.65 (1.43)	0.81 (1.79)	6.03 (19'9")
	1 (3'3")			1.92 (4.23)	2.41 (5.31)	1.25 (2.76)	1.54 (3.40)	0.88 (1.94)	1.08 (2.38)			0.64 (1.41)	0.80 (1.76)	5.98 (19'7")
	0 (Ground)			1.86 (4.10)	2.35 (5.18)	1.20 (2.65)	1.49 (3.29)	0.85 (1.87)	1.05 (2.32)			0.68 (1.50)	0.85 (1.87)	5.72 (18'9")
	-1 (-3'3")	*3.22 (7.10)	*3.22 (7.10)	1.85 (4.08)	2.33 (5.14)	1.18 (2.60)	1.47 (3.24)	0.84 (1.85)	1.04 (2.29)			0.79 (1.74)	0.98 (2.16)	5.23 (17'2")
	-2 (-6'7")	3.86 (8.51)	*4.19 (9.24)	1.87 (4.12)	2.35 (5.18)	1.19 (2.62)	1.48 (3.26)					1.05 (2.32)	1.30 (2.87)	4.41 (14'6")
Boom 3.72 m (12'2") Arm 2.12 m (6'11") Bucket PCSA: 0.28 m ³ (0.37 cu yd) CECE: 0.25 m ³ Shoes 450 mm (18")	4 (13'1")					*1.12 (2.47)	*1.12 (2.47)	0.99 (2.18)	1.20 (2.65)			0.69 (1.52)	*0.79 (1.74)	6.07 (19'11")
	3 (9'10")			*1.39 (3.06)	*1.39 (3.06)	*1.34 (2.95)	*1.34 (2.95)	0.97 (2.14)	1.18 (2.60)			0.61 (1.35)	0.75 (1.65)	6.39 (21'0")
	2 (6'7")			*2.14 (4.72)	*2.14 (4.72)	1.36 (3.00)	1.66 (3.66)	0.93 (2.05)	1.14 (2.51)	0.66 (1.46)	0.82 (1.81)	0.57 (1.26)	0.71 (1.57)	6.52 (21'5")
	1 (3'3")			1.98 (4.37)	2.47 (5.45)	1.27 (2.80)	1.57 (3.46)	0.89 (1.96)	1.10 (2.43)	0.65 (1.43)	0.80 (1.76)	0.56 (1.23)	0.71 (1.57)	6.47 (21'3")
	0 (Ground)			1.88 (4.15)	2.36 (5.20)	1.21 (2.67)	1.50 (3.31)	0.85 (1.87)	1.06 (2.34)	0.63 (1.39)	0.79 (1.74)	0.59 (1.30)	0.74 (1.63)	6.24 (20'6")
	-1 (-3'3")	*3.06 (6.75)	*3.06 (6.75)	1.84 (4.06)	2.32 (5.12)	1.17 (2.58)	1.46 (3.22)	0.83 (1.83)	1.04 (2.29)			0.66 (1.46)	0.83 (1.83)	5.80 (19'0")
	-2 (-6'7")	3.78 (8.33)	*4.70 (10.4)	1.84 (4.06)	2.32 (5.12)	1.17 (2.58)	1.46 (3.22)	0.83 (1.83)	1.04 (2.29)			0.83 (1.83)	1.03 (2.27)	5.09 (16'8")
	-3 (-9'10")	3.86 (8.51)	*3.95 (8.71)	1.87 (4.12)	2.36 (5.20)	1.19 (2.62)	*1.48 (3.26)							

- 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.



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



Rating over-side or 360 degrees



Rating over-front

EX60-2 with Rubber crawler

Unit: 1 000 kg (1 000 lb)

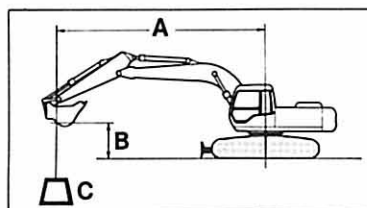
Conditions	Load point height m (ft in)	Load radius										At max. reach		
		2 (6'7")		3 (9'10")		4 (13'1")		5 (16'5")		6 (19'8")		m (ft in)		@ (ft in)
Boom 3.72 m (12'2") Arm 1.62 m (5'4") Bucket PCSA: 0.28 m ³ (0.37 cu yd) CECE: 0.25 m ³ Shoes R 450 mm (18")	4 (13'1")			*1.31 (2.89)	*1.31 (2.89)	*1.38 (3.04)	*1.38 (3.04)					0.78 (1.72)	*0.87 (1.92)	5.54 (18'2")
	3 (9'10")			*1.80 (3.97)	*1.80 (3.97)	1.36 (3.00)	*1.58 (3.48)	0.91 (2.01)	1.12 (2.47)			0.67 (1.48)	0.83 (1.83)	5.89 (19'4")
	2 (6'7")			2.02 (4.45)	2.50 (5.51)	1.28 (2.82)	1.57 (3.46)	0.88 (1.94)	1.09 (2.40)			0.63 (1.39)	0.78 (1.72)	6.03 (19'9")
	1 (3'3")			1.87 (4.12)	2.34 (5.16)	1.21 (2.67)	1.50 (3.31)	0.85 (1.87)	1.05 (2.32)			0.62 (1.37)	0.78 (1.72)	5.97 (19'7")
	0 (Ground)			1.81 (3.99)	2.28 (5.03)	1.16 (2.56)	1.45 (3.20)	0.82 (1.81)	1.02 (2.25)			0.66 (1.46)	0.82 (1.81)	5.72 (18'9")
	-1 (-3'3")	*3.31 (7.30)	*3.31 (7.30)	1.79 (3.95)	2.27 (5.01)	1.14 (2.51)	1.42 (3.13)	0.81 (1.79)	1.01 (2.23)			0.76 (1.68)	0.95 (2.09)	5.22 (17'2")
	-2 (-6'7")	3.76 (8.29)	*4.17 (9.19)	1.81 (3.99)	2.29 (5.05)	1.15 (2.54)	1.43 (3.15)					1.03 (2.27)	1.27 (2.80)	4.39 (14'5")
Boom 3.72 m (12'2") Arm 2.12 m (6'11") Bucket PCSA: 0.28 m ³ (0.37 cu yd) CECE: 0.25 m ³ Shoes R 450 mm (18")	4 (13'1")					*1.13 (2.49)	*1.13 (2.49)	0.96 (2.12)	1.17 (2.58)			0.67 (1.48)	*0.79 (1.74)	6.08 (19'11")
	3 (9'10")			*1.40 (3.09)	*1.40 (3.09)	*1.34 (2.95)	*1.34 (2.95)	0.94 (2.07)	1.15 (2.54)			0.59 (1.30)	0.73 (1.61)	6.39 (21'0")
	2 (6'7")			2.10 (4.63)	*2.16 (4.76)	1.32 (2.91)	1.61 (3.55)	0.90 (1.98)	1.11 (2.45)	0.64 (1.41)	0.80 (1.76)	0.55 (1.21)	0.69 (1.52)	6.52 (21'5")
	1 (3'3")			1.92 (4.23)	2.41 (5.31)	1.24 (2.73)	1.52 (3.35)	0.86 (1.90)	1.06 (2.34)	0.62 (1.37)	0.78 (1.72)	0.54 (1.19)	0.68 (1.50)	6.47 (21'3")
	0 (Ground)			1.82 (4.01)	2.30 (5.07)	1.17 (2.58)	1.46 (3.22)	0.82 (1.81)	1.03 (2.27)	0.61 (1.35)	0.76 (1.68)	0.57 (1.26)	0.72 (1.59)	6.23 (20'5")
	-1 (-3'3")	*3.09 (6.81)	*3.09 (6.81)	1.78 (3.92)	2.25 (4.96)	1.14 (2.51)	1.42 (3.13)	0.80 (1.76)	1.00 (2.21)			0.64 (1.41)	0.80 (1.76)	5.79 (19'0")
	-2 (-6'7")	3.68 (8.11)	*4.69 (10.3)	1.78 (3.92)	2.26 (4.98)	1.13 (2.49)	1.41 (3.11)	0.80 (1.76)	1.00 (2.21)			0.80 (1.76)	1.00 (2.21)	5.07 (16'8")
	-3 (-9'10")	3.76 (8.29)	*3.93 (8.67)	1.82 (4.01)	2.29 (5.05)	1.16 (2.56)	1.44 (3.18)							

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.



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



Rating over-side or 360 degrees



Rating over-front

EX60-2 Off-set front with Dozer blade (on ground)

Unit: 1 000 kg (1 000 lb)

Conditions	Load point height m (ft in)	Load radius										At max. reach		
		2 (6'7")		3 (9'10")		4 (13'1")		5 (16'5")		6 (19'8")		Rating over-side or 360 degrees	Rating over-front	m (ft in)
Arm 1.62 m (5'4") Bucket PCSA: 0.28 m ³ (0.37 cu yd) CECE: 0.25 m ³ Shoes 450 mm (18") Blade position: front side	4 (13'1")			*1.35 (2.98)	*1.35 (2.98)	*1.32 (2.91)	*1.32 (2.91)					0.81 (1.79)	*1.05 (2.32)	5.54 (18'2")
	3 (9'10")			*1.77 (3.90)	*1.77 (3.90)	1.47 (3.24)	*1.50 (3.31)	0.96 (2.12)	*1.38 (3.04)			0.68 (1.50)	*1.06 (2.34)	5.89 (19'4")
	2 (6'7")					1.34 (2.95)	*1.78 (3.92)	0.91 (2.01)	*1.50 (3.31)			0.61 (1.35)	*1.11 (2.45)	6.03 (19'9")
	1 (3'3")					1.21 (2.67)	*2.05 (4.52)	0.84 (1.85)	*1.63 (3.59)			0.59 (1.30)	*1.20 (2.65)	5.98 (19'7")
	0 (Ground)			1.67 (3.68)	*3.00 (6.62)	1.13 (2.49)	*2.21 (4.87)	0.79 (1.74)	*1.72 (3.79)			0.62 (1.37)	*1.35 (2.98)	5.73 (18'10")
	-1 (-3'3")			1.71 (3.77)	*2.99 (6.60)	1.09 (2.40)	*2.22 (4.90)	0.77 (1.70)	*1.70 (3.75)			0.72 (1.59)	*1.51 (3.33)	5.24 (17'2")
	-2 (-6'7")	*3.57 (7.87)	*3.57 (7.87)	1.74 (3.84)	*2.71 (5.98)	1.10 (2.43)	*2.03 (4.48)					0.98 (2.16)	*1.46 (3.22)	4.41 (14'6")
Arm 1.62 m (5'4") Bucket PCSA: 0.28 m ³ (0.37 cu yd) CECE: 0.25 m ³ Shoes 600 mm (24") Blade position: front side	4 (13'1")			*1.35 (2.98)	*1.35 (2.98)	*1.32 (2.91)	*1.32 (2.91)					0.84 (1.85)	*1.05 (2.32)	5.54 (18'2")
	3 (9'10")			*1.77 (3.90)	*1.77 (3.90)	*1.50 (3.31)	*1.50 (3.31)	0.99 (2.18)	*1.38 (3.04)			0.70 (1.54)	*1.06 (2.34)	5.89 (19'4")
	2 (6'7")					1.38 (3.04)	*1.78 (3.92)	0.93 (2.05)	*1.50 (3.31)			0.64 (1.41)	*1.10 (2.43)	6.03 (19'9")
	1 (3'3")					1.25 (2.76)	*2.05 (4.52)	0.87 (1.92)	*1.63 (3.59)			0.62 (1.37)	*1.20 (2.65)	5.98 (19'7")
	0 (Ground)			1.72 (3.79)	*3.00 (6.62)	1.16 (2.56)	*2.21 (4.87)	0.82 (1.81)	*1.72 (3.79)			0.65 (1.43)	*1.35 (2.98)	5.73 (18'10")
	-1 (-3'3")			1.77 (3.90)	*2.99 (6.59)	1.12 (2.47)	*2.22 (4.90)	0.79 (1.74)	*1.70 (3.75)			0.75 (1.65)	*1.51 (3.33)	5.24 (17'2")
	-2 (-6'7")	*3.57 (7.87)	*3.57 (7.87)	1.80 (3.97)	*2.71 (5.98)	1.13 (2.49)	*2.03 (4.48)					1.01 (2.23)	*1.46 (3.22)	4.41 (14'6")

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.

EX60

These specifications are subject to change without notice.

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