

SPECIFICATIONS

ENGINE

Model	Isuzu 4BD1T
Type	4-cycle, water-cooled, direct injection
Aspiration	Turbocharged
No. of cylinders	4
Rated flywheel	70 kW (95 PS) at 2 300 min ⁻¹ (rpm)
horsepower (DIN 6271, net)	
Rated flywheel	68 kW (91 HP) at 2 300 min ⁻¹ (rpm)
horsepower (SAE J1349, net)	
Maximum torque	314 N.m (32 kgf.m, 231 lbf.ft)
	at 1 600 min ⁻¹ (rpm)
Piston displacement	3.856 L (235 in ³)
Bore and stroke	102 mm × 118 mm (4.0" × 4.6")
Batteries	2 × 12 V, 65 AH

HYDRAULIC SYSTEM

Hitachi's ETS (Electronic Total control System) designed for higher job efficiency with less 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 2-speed travel system for high traction force and travel speed

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	2 × 158 L/min
	(41.7 US gpm, 34.8 Imp gpm)
Pilot pump	1 gear pump
Maximum oil flow	23 L/min
	(6.1 US gpm, 5.1 Imp gpm)

Hydraulic Motors

Travel	2 axial piston motors with parking brake
Swing	1 axial piston motor

Relief Valve Settings

Implement circuit	27.9 MPa (285 kgf/cm ² , 4 050 psi)
Swing circuit	27.9 MPa (285 kgf/cm ² , 4 050 psi)
Travel circuit	34.8 MPa (355 kgf/cm ² , 5 050 psi)
Pilot circuit	3.9 MPa (40 kgf/cm ² , 570 psi)

Hydraulic Cylinders

Cylinder cushion mechanisms are provided for all cylinders to absorb shock when pistons reach their stroke ends.

Dimensions

	Qty	Bore	Rod diameter
Boom	2	115 mm (4.53")	80 mm (3.15")
Arm	1	120 mm (4.72")	85 mm (3.35")
Bucket	1	115 mm (4.53")	80 mm (3.15")

Hydraulic Filters

All hydraulic circuits use hydraulic filters. A suction filter is built in suction line, and 10 μm full-flow filters in return circuit and swing/travel motor drain lines.

CONTROLS

Pilot controls for all functions. Hitachi original shockless valve and quick warm-up system built in the pilot circuit. Multi rotary pilot control valve is optionally available for selection of control lever direction.

Implement levers	2
Travel levers with pedals	2

UPPERSTRUCTURE

Revolving Frame

Welded sturdy box construction using, heavy-gauge steel plates for ruggedness. D-section frame for resistance to deformation.

Swing Mechanism

Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row, shear-type ball bearing with induction-hardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed	13.5 min ⁻¹ (rpm)
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Operator's Cab

Independent roomy cab, 940 mm (37") wide by 1 620 mm (64") high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for excellent visibility. Front windows (upper and lower) are openable and storable in the cab. Adjustable reclining seat with armrests. Right and left control levers can be tilted fore and aft.

* International Standard Organization

UNDERCARRIAGE

Tracks

Tractor-type undercarriage. Welded track frame, using carefully selected materials for tough jobs. Side frame welded to track frame. Lubricated track rollers, idlers, and sprockets with floating seals. Track shoes with triple grouser made of induction-hardened rolled alloy. 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 rollers	2
Lower rollers	7
Track shoes	45
Track guard	1

Traction Device

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

Travel speeds	High: 0 to 4.8 km/h (3.9 mph)
	Low: 0 to 3.9 km/h (2.4 mph)

Maximum traction force	109 kN (11 100 kgf, 24 500 lbf)
Gradeability	35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

Equipped with 5.10 m (16'9") boom, 2.60 m (8'6") arm and 0.63 m³ (0.82 yd³: PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	500 mm (20")	14 500 kg (32 000 lb)	45.1 kPa (0.46 kgf/cm ² , 6.54 psi)
	600 mm (24")	14 700 kg (32 400 lb)	38.2 kPa (0.39 kgf/cm ² , 5.55 psi)
	700 mm (28")	14 900 kg (32 800 lb)	33.3 kPa (0.34 kgf/cm ² , 4.84 psi)
Triangular	760 mm (30")	14 800 kg (32 600 lb)	30.4 kPa (0.31 kgf/cm ² , 4.41 psi)

Note: Depending on the jobsite conditions, 700 mm (28") grouser shoe and 760 mm (30") triangular shoes may not be recommended for rock, hard surface or forestry application.

Operating weight implies total weight of the basic machine plus 2 700 kg (5 950 lb) counterweight and triple grouser shoes, excluding front-end attachment.

EX150 11 600 kg (25 600 lb) with 500 mm (20") shoes.

SERVICE REFILL CAPACITIES

	liters	US gal	Imp gal
Fuel tank	250.0	66.0	55.0
Engine coolant	17.3	4.6	3.8
Engine oil	15.0	4.0	3.3
Swing mechanism	5.0	1.3	1.1
Travel final device	4.0	1.1	0.9
(each side)			
Hydraulic system	160.0	42.3	35.2
Hydraulic tank	85.0	22.5	18.7

BACKHOE ATTACHMENTS

Boom and arms are of all-welded, low-stress, full-box section design. 5.10 m (16'9") boom, and 2.00 m (6'7"), 2.60 m (8'6") and 3.10 m (10'2") arms are available. Bucket is of all-welded high-strength steel structure, side clearance adjust mechanism is provided on the bucket joint brackets.

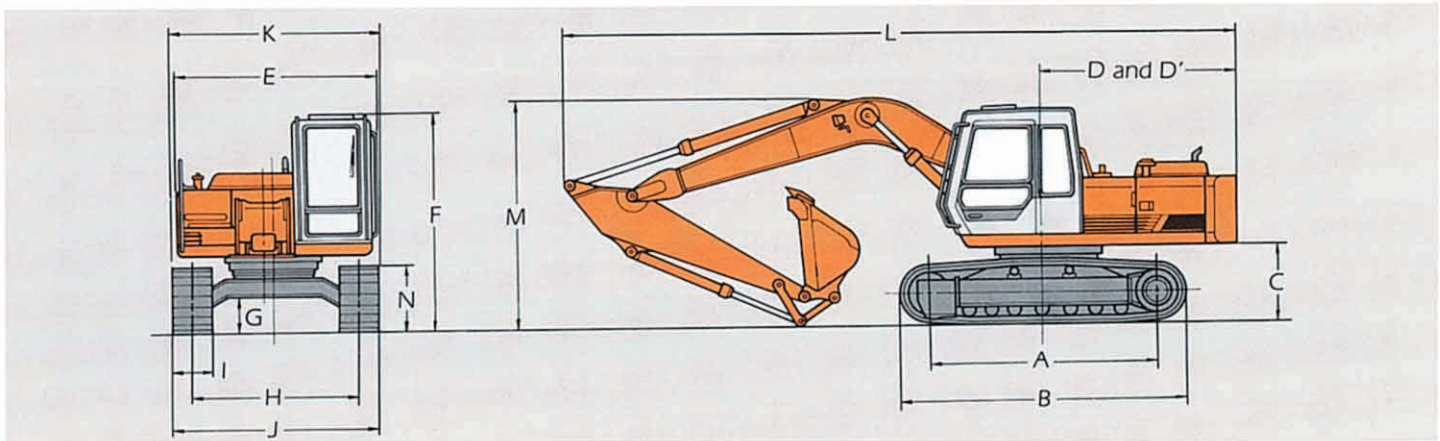
Buckets

Capacity		Width		No. of teeth	Weight	Recommendation		
PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.00 m (6'7") arm	2.60 m (8'6") arm	3.10 m (10'2") arm
0.52 m ³ (0.68 yd ³)	0.45 m ³	790 mm (31")	910 mm (36")	4	432 kg (950 lb)	⊙	⊙	⊙
0.63 m ³ (0.82 yd ³)	0.55 m ³	925 mm (36")	1 045 mm (41")	5	475 kg (1 050 lb)	⊙	⊙	○*
0.70 m ³ (0.92 yd ³)	0.60 m ³	1 000 mm (39")	1 120 mm (44")	5	494 kg (1 090 lb)	⊙	○	□*
0.82 m ³ (1.07 yd ³)	0.70 m ³	1 140 mm (45")	1 260 mm (50")	5	529 kg (1 170 lb)	○	□	—
Ripper bucket: 0.50 m ³ (0.65 yd ³ : CECE heaped), Width-800 mm (31")				3	950 kg (2 090 lb)	●	—	—
Clamshell bucket: 0.40 m ³ (0.52 yd ³ : CECE heaped), Width-700 mm (28")				6	695 kg (1 530 lb)	⊙	⊙	—
Slope-finishing blade: Width-1 000 mm (39"), Length-2 000 mm (79")					590 kg (1 300 lb)	◇	◇	◇

*With 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
- Suitable for materials with density of 1 100 kg/m³ (1 850 lb/yd³) or less
- Heavy-duty service
- ◇ Slope finishing service
- Not recommended

DIMENSIONS

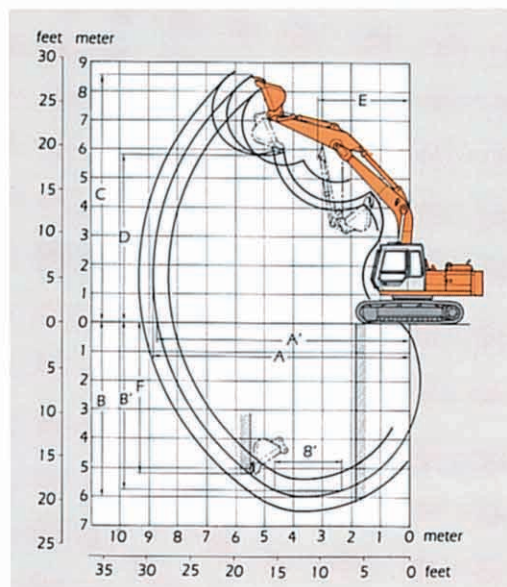


A	Distance between tumblers	2 870 mm (9'5")			
B	Undercarriage length	3 640 mm (11'11")			
*C	Counterweight clearance	1 000 mm (3'3")			
D	Rear-end swing radius	2 450 mm (8'0")			
D'	Rear-end length	2 430 mm (8'0")			
E	Overall width of upperstructure	2 550 mm (8'4")			
F	Overall height of cab	2 790 mm (9'2")			
*G	Min. ground clearance	460 mm (1'6")			
H	Track gauge	2 100 mm (6'11")			
I	Track shoe width	G500 mm (20")	G600 mm (24")	G700 mm (28")	T760 mm (30")
J	Undercarriage width	2 600 mm (8'6")	2 700 mm (8'10")	2 800 mm (9'2")	2 860 mm (9'5")
K	Over width	2 600 mm (8'6")	2 700 mm (8'10")	2 800 mm (9'2")	2 860 mm (9'5")
L	Overall length				
	With 2.00 m (6'7") arm	8 570 mm (28'11")			
	With 2.60 m (8'6") arm	8 500 mm (27'11")			
	With 3.10 m (10'2") arm	8 510 mm (27'11")			
M	Overall height of boom				
	With 2.00 m (6'7") arm	2 990 mm (9'10")			
	With 2.60 m (8'6") arm	2 800 mm (9'2")			
	With 3.10 m (10'2") arm	3 000 mm (9'10")			
N	Track height				
	With triple grouser shoe	821 mm (2'8")			

* Excluding track shoe lug.

G: Triple grouser shoe T: Triangular shoe

WORKING RANGES

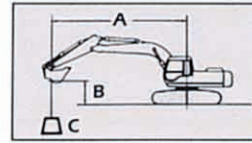


Arm length	2.00 m (6'7")	2.60 m (8'6")	3.10 m (10'2")
A Max. digging reach	8 360 mm (27'5")	8 900 mm (29'2")	9 360 mm (30'9")
A' Max. digging reach (on ground)	8 180 mm (26'10")	8 730 mm (28'8")	9 200 mm (30'2")
B Max. digging depth	5 480 mm (18'0")	6 050 mm (19'10")	6 550 mm (21'6")
B' Max. digging depth (B' level)	5 180 mm (17'0")	5 810 mm (19'1")	6 340 mm (20'10")
C Max. cutting height	8 210 mm (26'11")	8 550 mm (28'1")	8 780 mm (28'10")
D Max. dumping height	5 520 mm (18'1")	5 800 mm (19'0")	6 030 mm (19'9")
E Min. swing radius	3 380 mm (11'1")	3 130 mm (10'3")	3 130 mm (10'3")
F Max. vertical wall	4 310 mm (14'2")	5 210 mm (17'1")	5 710 mm (18'9")
Bucket digging force	84 kN (8 600 kgf, 19 000 lbf)	84 kN (8 600 kgf, 19 000 lbf)	84 kN (8 600 kgf, 19 000 lbf)
Arm crowd force	83 kN (8 500 kgf, 18 700 lbf)	64 kN (6 500 kgf, 14 300 lbf)	56 kN (5 700 kgf, 12 600 lbf)

Excluding track shoe lug

LIFTING CAPACITIES

METRIC MEASURE



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

5.10 m (16'9") boom, 2.00 m (6'7") arm



Rating over-side or 360 degrees



Rating over-front

Equipped with 0.63 m³ (PCSA heaped) backhoe bucket and 500 mm (20") shoes.

Unit: 1 000 kg (1 000 lb)

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")		7 (23'0")		① m (ft in)	② m (ft in)	③ m (ft in)
	④	⑤	④	⑤	④	⑤	④	⑤	④	⑤	④	⑤			
5 (16'5")									2.53 (5.58)	*3.18 (7.01)			1.76 (3.88)	2.45 (5.40)	7.29 (23'11")
3 (9'10")							3.24 (7.14)	*4.21 (9.28)	3.30 (5.25)	3.30 (7.28)	1.78 (3.92)	2.51 (5.53)	1.42 (3.13)	2.04 (4.50)	7.91 (25'11")
2 (6'7")							3.04 (6.70)	4.28 (9.44)	2.27 (5.00)	3.18 (7.01)	1.73 (3.81)	2.45 (5.40)	1.36 (3.00)	1.97 (4.34)	7.98 (26'2")
1 (3'3")							2.89 (6.37)	4.11 (9.06)	2.17 (4.78)	3.08 (6.79)	1.67 (3.68)	2.39 (5.27)	1.36 (3.00)	1.97 (4.34)	7.90 (25'11")
0 (Ground)							2.79 (6.15)	4.01 (8.84)	2.10 (4.63)	3.00 (6.61)	1.63 (3.59)	2.34 (5.16)	1.41 (3.11)	2.05 (4.52)	7.67 (25'2")
-1 (-3'3")					3.94 (8.69)	5.76 (12.7)	2.75 (6.06)	3.97 (8.75)	2.06 (6.54)	2.97 (6.55)	1.61 (3.55)	2.33 (5.14)	1.55 (3.42)	2.23 (4.92)	7.26 (23'10")
-3 (-9'10")			*6.33 (14.0)	*6.33 (14.0)	4.04 (8.91)	5.88 (13.0)	2.81 (6.19)	4.03 (8.88)							
-4 (-13'1")			6.87 (15.1)	*7.33 (16.2)	4.17 (9.19)	*5.97 (13.2)									

5.10 m (16'9") boom, 2.60 m (8'6") arm

Equipped with 0.63 m³ (PCSA heaped) backhoe bucket and 500 mm (20") shoes.

Unit: 1 000 kg (1 000 lb)

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")		7 (23'0")		① m (ft in)	② m (ft in)	③ m (ft in)
	④	⑤	④	⑤	④	⑤	④	⑤	④	⑤	④	⑤			
5 (16'5")									2.64 (5.82)	*2.73 (6.02)			*1.45 (3.20)	*1.45 (3.20)	7.89 (25'11")
3 (9'10")					*4.43 (9.77)	*4.43 (9.77)	3.37 (7.43)	*3.72 (8.20)	2.47 (5.45)	*3.55 (7.39)	1.85 (4.08)	2.58 (5.69)	1.26 (2.78)	*1.51 (3.33)	8.45 (27'9")
2 (6'7")					4.46 (9.83)	*5.88 (13.0)	3.16 (6.97)	4.41 (9.72)	2.34 (5.16)	3.27 (7.21)	1.78 (3.92)	2.51 (5.53)	1.21 (2.67)	*1.59 (3.51)	8.51 (27'11")
1 (3'3")					4.15 (9.15)	6.00 (13.2)	2.97 (6.55)	4.21 (9.28)	2.23 (4.92)	3.14 (6.92)	1.71 (3.77)	2.44 (5.38)	1.20 (2.65)	*1.71 (3.77)	8.44 (27'8")
0 (Ground)					3.99 (8.80)	5.82 (12.8)	2.84 (6.26)	4.06 (8.95)	2.14 (4.72)	3.05 (6.72)	1.66 (3.66)	2.37 (5.22)	1.24 (2.73)	1.82 (4.01)	8.22 (27'0")
-1 (-3'3")			*4.84 (10.7)	*4.84 (10.7)	3.93 (8.66)	5.75 (12.7)	2.77 (6.11)	3.99 (8.80)	2.08 (4.59)	2.99 (6.59)	1.62 (3.57)	2.34 (5.16)	1.34 (2.95)	1.96 (4.32)	7.85 (25'9")
-3 (-9'10")	*7.34 (16.2)	*7.34 (16.2)	6.55 (14.4)	*7.73 (17.0)	3.98 (8.77)	5.81 (12.8)	2.77 (6.11)	3.99 (8.80)	2.08 (4.59)	2.98 (6.57)			1.89 (4.17)	2.70 (5.95)	6.49 (21'4")
-4 (-13'1")			6.70 (14.8)	*8.51 (18.8)	4.08 (8.99)	5.92 (13.1)	2.85 (6.28)	4.07 (8.97)							

5.10 m (16'9") boom, 3.10 m (10'2") arm

Equipped with 0.52 m³ (PCSA heaped) backhoe bucket and 500 mm (20") shoes.

Unit: 1 000 kg (1 000 lb)

Load point height m (ft in)	Load radius										At max. reach				
	3 (9'10")		4 (13'1")		5 (16'5")		6 (19'8")		7 (23'0")		8 (26'3")		① m (ft in)	② m (ft in)	③ m (ft in)
	④	⑤	④	⑤	④	⑤	④	⑤	④	⑤	④	⑤			
5 (16'5")									1.97 (4.34)	*2.39 (5.27)			*1.20 (2.65)	*1.20 (2.65)	8.39 (27'6")
3 (9'10")					*3.21 (7.08)	*3.21 (7.08)	2.49 (5.49)	*2.98 (6.57)	1.87 (4.12)	2.60 (5.73)	1.41 (3.11)	2.01 (4.43)	1.14 (2.51)	*1.25 (2.76)	8.92 (29'3")
2 (6'7")			4.59 (10.1)	*5.04 (11.1)	3.21 (7.08)	*4.01 (8.84)	2.36 (5.20)	3.28 (7.23)	1.78 (3.92)	2.51 (5.53)	1.37 (3.02)	1.96 (4.32)	1.09 (2.40)	*1.31 (2.89)	8.98 (29'6")
1 (3'3")			4.21 (9.28)	6.07 (13.4)	2.99 (6.59)	4.23 (9.33)	2.23 (4.92)	3.14 (6.92)	1.70 (3.75)	2.42 (5.34)	1.32 (2.91)	1.91 (4.21)	1.08 (2.38)	*1.41 (3.11)	8.91 (29'3")
0 (Ground)			3.97 (8.75)	5.80 (12.8)	2.83 (6.24)	4.05 (8.93)	2.12 (4.67)	3.03 (6.68)	1.63 (3.59)	2.35 (5.18)	1.28 (2.82)	1.87 (4.12)	1.11 (2.45)	1.54 (3.40)	8.71 (28'7")
-1 (-3'3")	*5.04 (11.1)	*5.04 (11.1)	3.85 (8.49)	5.67 (12.5)	2.72 (6.00)	3.93 (8.66)	2.04 (4.50)	2.94 (6.48)	1.58 (3.48)	2.29 (5.05)	1.25 (2.76)	1.84 (4.06)	1.18 (2.60)	*1.73 (3.81)	8.37 (27'6")
-3 (-9'10")	6.30 (13.9)	*8.43 (18.6)	3.84 (8.47)	5.65 (12.5)	2.67 (5.89)	3.88 (8.55)	2.00 (4.41)	2.90 (6.39)	1.56 (3.44)	2.28 (5.03)			1.58 (3.48)	2.29 (5.05)	7.14 (23'5")
-5 (-16'5")	6.64 (14.6)	*7.91 (17.4)	4.04 (8.91)	5.88 (13.0)	2.83 (6.24)	4.05 (8.93)									

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 of 87% of full hydraulic capacity.

3. The load point is a hook (not standard equipment) located on the back of the bucket.

4. * Indicates load limited by hydraulic capacity.











ENGLISH MEASURE

16'9" boom, 6'7" arm

Equipped with 0.82 cu-yd (PCSA heaped) bucket and 20" shoes

 Rating over-side or 360 degrees  Rating over-front













Unit: 1 000 lb

Load point height	Load radius								At max. reach		
	5 ft		10 ft		15 ft		20 ft				@ ft
											
15 ft							*5.21	*6.98	3.51	4.96	24'7"
10 ft					7.88	*10.1	4.91	6.88	3.02	4.36	25'11"
5 ft							4.56	6.52	2.86	4.18	26'2"
0 ft (Ground)					6.72	*9.75	4.32	6.26	2.99	4.38	25'2"
-5 ft					6.69	9.80	4.26	6.19	3.54	5.13	22'10"
-10 ft			*11.8	*11.8	6.87	9.99					

16'9" boom, 8'6" arm

Equipped with 0.82 cu-yd (PCSA heaped) bucket and 20" shoes













Unit: 1 000 lb

Load point height	Load radius								At max. reach				
	5 ft		10 ft		15 ft		20 ft		25 ft				@ ft
													
15 ft							5.34	*6.08			3.06	*3.21	26'6"
10 ft					8.19	*8.80	5.03	7.01	3.28	4.69	2.67	*3.33	27'9"
5 ft					7.32	10.5	4.65	6.61	3.12	4.52	2.53	*3.63	27'10"
0 ft (Ground)					6.81	9.93	4.36	6.30	2.98	4.38	2.62	3.88	26'11"
-5 ft			13.1	*14.2	6.67	9.78	4.23	6.16			3.03	4.44	24'10"
-10 ft	*15.3	*15.3	*10.9	*10.9	6.76	9.88	4.28	6.22			4.09	5.89	21'1"
-15 ft					7.13	10.3							

16'9" boom, 10'2" arm

Equipped with 0.68 cu-yd (PCSA heaped) bucket and 20" shoes

Unit: 1 000 lb

Load point height	Load radius								At max. reach				
	5 ft		10 ft		15 ft		20 ft		25 ft				@ ft
													
15 ft							*5.28	*5.28	3.50	*3.97	*2.65	*2.65	28'1"
10 ft					*7.48	*7.48	5.16	*6.54	3.36	4.78	2.41	*2.75	29'3"
5 ft					7.54	10.7	4.74	6.72	3.17	4.58	2.28	*2.99	29'5"
0 ft (Ground)					6.87	10.0	4.39	6.34	2.99	4.39	2.34	*3.41	28'7"
-5 ft	*5.86	*5.86	*11.9	*11.9	6.61	9.73	4.20	6.13	2.89	4.29	2.64	3.93	26'7"
-10 ft	*13.0	*13.0	*10.5	*10.5	6.63	9.74	4.18	6.12			3.41	4.97	23'2"
-15 ft			*13.1	*13.1	6.89	10.0							



STANDARD EQUIPMENT

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

ENGINE

- 20 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
- Fan guard
- Isolation-mounted engine
- Auto-idling system

HYDRAULIC SYSTEM

- ETS
- E-P control system (power mode selector)
- OHS
- FPS
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Accumulator in pilot 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 equipped with reinforced, tinted (bronze color) glass windows, openable front windows-upper, and lower and both side windows with windshield wipers, side mirror (North America only), adjustable reclining seat with armrests, footrest, electric double horn, car radio with digital clock, auto-idle switch, seat belt (North America only), cigarette lighter (except North America), ashtray, parcel pocket, 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 oil filter clog, engine overheat, air filter clog and minimum fuel level.
- Pilot lamps:
Engine preheat, engine oil level, engine coolant level and hydraulic oil level, auto idling, low-speed travel and high-speed travel.
- Alarm buzzers:
Engine oil pressure and engine overheat.

LIGHTS

- 2 working lights and 1 cab light

UPPERSTRUCTURE

- Undercover
- 2 700 kg (5 950 lb) counterweight
- Fuel level gauge
- Hydraulic oil level gauge
- Tool box
- Rearview mirror
- Swing parking brake

UNDERCARRIAGE

- Travel parking brake
- Travel motor covers
- Track guards and hydraulic track adjuster
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 500 mm (20") triple grouser shoes.

FRONT ATTACHMENTS

- Bucket clearance adjust mechanism
- Centralized lubrication system
- Dirt seals on all bucket pins
- 2.60 m (8'6") arm
- 0.63 m³ (0.82 yd³: PCSA heaped) bucket

MISCELLANEOUS

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



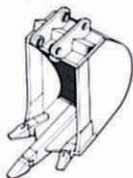
OPTIONAL EQUIPMENT

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

- Headguard
- Seat belt
- Multi selection lever with rotary valve
- Electric fuel refilling pump
- Swing alarm with lamps
- Travel alarm with cancel switch
- Window washer
- Hose rupture valve

- 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 slope finishing jobs . . . scraping up or down, compacting, leveling, grading etc.

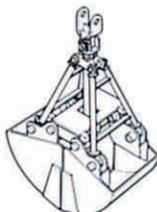
Type of Bucket



Ripper bucket



One-point ripper



Clamshell bucket

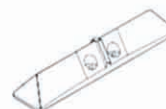


Slope-finishing blade

Type of Shoe



Triple grouser shoe
600 mm (24"), 700 mm (28")



Triangular shoe
760 mm (30")

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.