



Rated engine HP: 70kW (95PS)

Operating weight: 14 500 kg (32 000 lb)

Bucket capacity

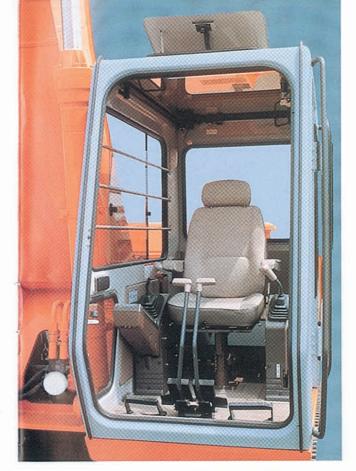
® HITACH

PCSA heaped: 0.52—0.82 m³ (0.68—1.07 yd³) CECE heaped: 0.45—0.70 m³



Precedent-Setting Performance in an **Intelligent Excavator**

The EX150 tames tough jobs with the total balanced performance and time-tested durability you expect from Hitachi. The tough machine is gentle with amenities that both pamper and protect the operator. And the ETS provides superior work performance with less fuel consumption.



Hitachi's "Electronic Total control System" featuring E-P Control, OHS, FPS and Monitoring/alarm system achieves maximum job efficiency and reduces fuel consumption and noise.

(Electronic Total Control

Advanced Cab

The cab is totally human engineered to meet ISO standards. All-pressed, fully-independent rubber mounted construction achieves a quiet 71 dB (A) (E-mode) noise level. The large bronze reinforced glass area assures good all-round visibility. Windows open wide to provide plenty of refreshing ventilation.

Versatile Control Ease

Convenient tilt-type control levers feature a 110 mm (4.3") adjustment range. The adjustable reclining seat has arm rests for additional support. The optional quick coupler enables speedy modification of control lever functions to other configurations.

Monitoring/Alarm System

The monitoring/alarm system can be easily read from the operator seat. The operator can check machine conditions at a glance.

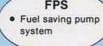




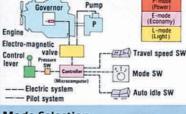
Hitachi's Total **Control Boosts Performance**



E-P Control OHS Mode selection Independent & Two-speed travel combined

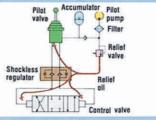






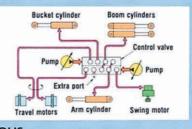
Mode Selection

Hitachi's E-P Control (computeraided Engine-Pump Control) system gives 3-mode selection. A microcomputer automatically controls engine and hydraulic output for maximum productivity and fuel savings.



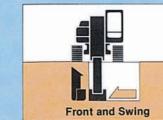
Pilot Control and Comfort

Hitachi's original pilot circuit, with shockless regulator and quick warm-up circuit, features responsive and precise control exceeding mechanical linkage systems.



OHS

The advanced OHS (Optimum Hydraulic System) provides a high degree of independence. This enables quick and smooth combined operations.





Travel and Front

Swing and Travel

Simultaneous straight-line travel

and boom/arm/bucket operations

are simple. The OHS overcomes

curving during steep slope climb-

ing, getting out of marshes and

machine transport loading/

Simultaneous swing and

controlled front operations.

boom/arm/bucket operation

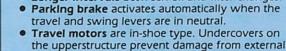
enhances loading capabilities and

vertical trench wall digging ease.

Swing speed remains stable during

Simultaneous swing and straight-line travel are made easy

Other Advanced Systems and Devices
• Cross-Sensing Summation System makes maximum use of available engine output. by the OHS which overcomes the Arm and boom merge circuits shorten cycle natural machine tendency to curve during combined operations. This • Extra port enables use of the two main pumps to power special attachments such as a concrete makes pipe positioning and laying faster and safer. • Longer Intervals between oil and filter changes.



Pilot-control shutoff lever to avoid misopera-

tion when getting in and out of the cab. • Full-open machine covers, including radiator cover. A torsion bar facilitates easy engine cover

Adjustable bucket pln bracket with dirt seals.
 Centralized lubrication system on elevated

• Lifetime-lubricated track rollers, idlers and

Stroke-end cushlon mechanisms are built into

ORS (O-ring Seal) and TIG (Tungsten Inert Gas)

welding ensure hydraulic line reliability.

• Reinforced D-section frame protects upperstruc-

The EX150 has a high-pressure, 2-speed travel system for high traction force and travel speeds.

High: 4.8 km/h (3.0 mph) Low: 3.9 km/h (2.4 mph) In both speed ranges, traction

force remains consistent. The tough tractor-type undercarriage, with X-form center frame, assures superb durability and mobility. Sealed pin track links, with center struts, upgrade dura-

High Mobility and Durability

Travel speed:

EX150

ENGINE	
Type Aspiration	lsuzu 4BD1T 4-cycle, water-cooled, direct injection Turbochanged 4
Rated flywheel horsepower (DIN 6271, net)	70 kW (95 PS) at 2 300 min ⁻¹ (rpm)
Rated flywheel horsepower (SAE J1349, net)	68 kW (91 HP) at 2 300 min ⁻¹ (rpm)
Maximum torque	
Bore and stroke	3.856 Ĺ (235 in³) 102 mm × 118 mm (4.0″ × 4.6″) 2 × 12 V. 65 AH

H

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

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

Hydraulic Motors

Havei	 2 axiai pistori 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	1 40	kaf/cm ²	570 psil

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 μ m full-flow filters in return circuit and swing/travel motor drain lines.



CONTROLS



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 inductionhardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type.

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.

UNDERCARRIAGE

Track

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 shockabsorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

Upper rollers	2
Lower rollers	7
Track shoes	
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.

^{*} International Standard Organization



WEIGHTS AND GROUND PRESSURE

Equipped with 5.10 m (16'9") boom, 2.60 m (8'6") arm and 0.63 $\rm m^3$ (0.82 $\rm yd^3$: PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
	500 mm	14 500 kg	45.1 kPa
	(20")	(32 000 lb)	(0.46,kgf/cm², 6.54 psi)
Triple	600 mm	14 700 kg	38.2 kPa
grouser	(24 ")	(32 400 lb)	(0.39 kgf/cm², 5.55 psi)
grouser	700 mm	14 900 kg	33.3kPa
	(28″)	(32 800 lb)	(0.34 kgf/cm², 4.84 psi)
Triangular	760 mm	14 800 kg	30.4 kPa
	(30″)	(32 600 lb)	(0.31 kgf/m², 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

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.

EX15011 600 kg [25 600 lb] with 500 mm (20") shoes.



SERVICE REFILL CAPACITIES

Fuel tank	liters 250.0	US gal 66.0	Imp gal 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 (each side)	4.0	1.1	0.9
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

Capaci	ty	WI	dth	No. of teeth		Recommendation				
PCSA heaped	CECE heaped	Without side cutters	With side cutters		Welght	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	0	0		
0.63 m³ (0.82 yd³)	0.55 m ³	925 mm (36")	1 045 mm (41 ")	5	475 kg (1 050 lb)	0	0	0*		
0.70 m³ (0.92 yd³)	0.60 m ³	1 000 mm (39")	1 120 mm (44")	5	494 kg (1 090 lb)	0	0	□*		
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)	0		_		
Ripper bucket: 0.50 m	13 (0.65 yd3: CECE)	neaped), Width-800 r	nm (31 ")	3	950 kg (2 090 lb)	•	19 <u>1111</u>	_		
Clamshell bucket: 0.40 m³ (0.52 yd³: CECE heaped), Width-700 mm (28")				6	695 kg (1 530 lb)	0	0	_		
Slope-finishing blade:					590 kg (1 300 lb)	٥	٥	٥		

^{*}With 700 mm [28"] shoes only

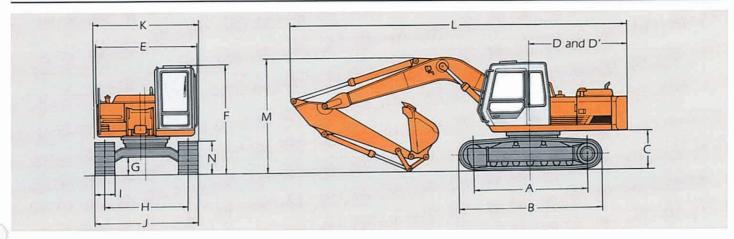
Suitable for materials with density of 2 000 kg/m³ (3 370 lb/yd³) or less
 Suitable for materials with density of 1 600 kg/m³ (2 700 lb/yd³) or less
 Suitable for materials with density of 1 100 kg/m³ (1 850 lb/yd³) or less
 Heavy-duty service

Heavy-duty service

Slope finishing service

Not recommended

DIMENSIONS



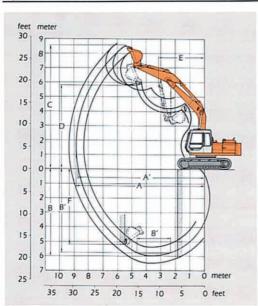
A	Distance between tumblers	2 870 mm (9′5″)								
В	Undercarriage length	3 640 mm (11*11*)								
*C	Counterweight clearance		1 000 mn	1 (3′3″)						
D	Rear-end swing radius		2 450 mn	1 (8'0")						
D.	Rear-end length		2 430 mn	1 (8'0")						
E	Overall width of upperstructure		2 550 mn	1 (8'4")						
F	Overall height of cab		2 790 mn	1 (9'2")						
*G	Min. ground clearance		460 mm (1 '6")							
Н	Track gauge		2 100 mm (6′11″)							
1	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 With 2.60 m [8'6"] arm With 3.10 m [10'2"] arm			n (28'1") n (27'11") n (27'11")						
М	Overall height of boom With 2.00 m [6'7"] arm With 2.60 m [8'6"] arm With 3.10 m [10'2"] arm		2 990 mm (9'10") 2 800 mm (9'2") 3 000 mm (9'10")							
N	Track height With triple grouser shoe		821 mn	n (2'8")						

^{*} Excluding track shoe lug.

G: Triple grouser shoe

T: Triangular shoe

WORKING RANGES

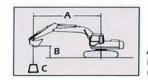


	Arm length	2.00 m (6'7")	2.60 m (8'6")	3.10 m (10'2")
Α	Max. digging reach	8 360 mm (27 '5")	8 900 mm (29'2")	9 360 mm (30'9")
A.	Max. digging reach (on ground)	8 180 mm (26'10")	8 730 mm (28'8")	9 200 mm (30°2″)
В	Max. digging depth	5 480 mm (18'0")	6 050 mm [19'10"]	6 550 mm (21'6")
B'	Max. digging depth (8' 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")
Bu	cket 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 radi	us					m (ft in)			
Load point height m (ft in)	2 (6'7")	3 (9	9'10")	4 (1	3'1")	5 (1	5′5′′)	6 (19	9'8'')	7 (23	3'0")	A	t max. rea	ch
	(C)>	Ů	0	Ů	(C)>-	ů	0	ů	0	ů	*	ů	0	ů	@ m (ft in)
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)	2.38 (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
0 (Ground)				Market II			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	2.81 (6.19)	4.03 (8.88)							
- 4 (-13°1°°)			6.87	*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)

San Market		Load radius m (ft in)													
Load point height m (ft in)	2 (2 (6'7") 3 ((9'10") 4 (13		3'1") 5 (16		6'5") 6 (19		9'8'') 7 (3'0")	At max. reach		
	0	Ů	0	Ü	(D)	Ü	0	Ů	□ □	ů	0	Ů	0	ď	@ m (ft in)
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	*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)	n		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 radius						m (ft in)	At max. reach		
Load point height m (ft in)	3 (9	3 (9'10")		4 (13'1")		5 (16'5")		6 (19'8'')		7 (23'0")		5′3′′)			
	(C)	ů	(C)	ð	(C)=	Ů	(C)	Ů	P	Ů	0	ð	(C)	Ů	@ m (ft in)
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	*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	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	3.84 (8.47)	5.65	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	*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.
- * 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

Unit: 1 000 lb

			As many march								
	5 ft		10 ft		15 ft		20 ft		At max. reach		
Load point height	(C)-	ů	0	ů	0	ů	(C)	ů	(C)>	ď	(a 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

Load point height		Load radius ft in													
	5 ft		10 ft		15 ft		20 ft		25 ft		At max. reach				
	*	ů	(C)	ď	0	ů	(C)	ů	(C)	ů		ů	(a 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 radius ft in											At max. reach		
Load point height	5 ft		10 ft		15 ft		20 ft		25 ft						
		ů	□ □	ů	(C)	ů	(C)	ů	0	ů	0	ů	(a 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)			1		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									

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")

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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.