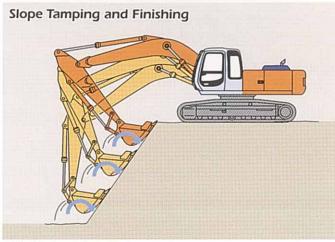


Power and Speed for Top Production. An Array of Engineering Advances

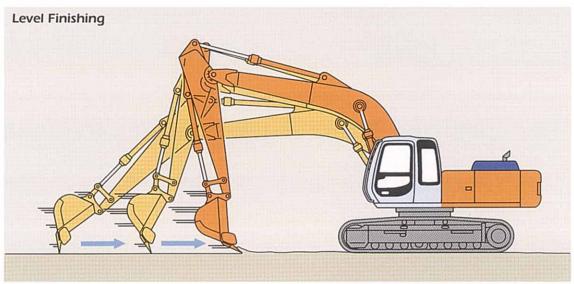
PRODUCTIVITY & CONTROLLABILITY

Advanced Hydraulic System—A Hitachi Original

Multi-functional machine. It's what the operator wants most in the field. The EX270 is Hitachi's right answer. It is truly versatile and productive. It gets more done in heavy-duty jobs, grading, materials handling, and precision finishing. The secret is the advanced hydraulic system. It enables agile movements, smooth combined operations, short cycle times, and less operator fatique. These abilities make the difference in level finishing, slope finishing and tamping, and positioning for demolishing. Straight-line travel and sharp steering are also big advantages.



Swift, dynamic actions



Increased finishing Speed

H/P Mode for Boosted Production

When the power is needed, select the H/P (High Power) mode. This automatically boosts engine output to 125 kW (170 PS) from 132 kW (180 PS) for increased productivity in heavy-duty operations. In light-duty operation, such as swing or dumping, engine output is reduced automatically to 125 kW (170 PS) for fuel savings. Pressing the power boost switch further yields a boost of power.

E Mode for Reduced Fuel Consumption

In light-duty operation, when the E mode is selected, engine speed is reduced for fuel savings. This enhances fuel-efficient operation.





Digging Power Boosted on Demand

When you need extra power, press the power boost switch. You get a short-term power boost for powerful digging.



Four Work Modes for Increased Production

The optimum work mode can be selected to match the job needs and conditions.

- 1) Excavation Mode for general digging
- (2) Grading Mode rolls the arm in slowly for precision grading, and extends it out quickly.
- (3) Precision Mode for fine finishing work
- (4) Attachment Mode for use with such attachments as a hydraulic breaker, adjusting the oil flow to the breaker in use. The two-speed selection piping (option) can select the oil flow, and enhances smooth combined operation when using a special attachment.



Smooth Start of Swing

Big swing torque ensures smooth start of

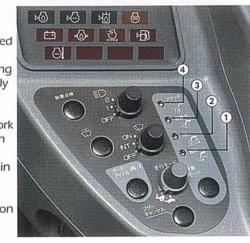
Good Stability

The EX270 is stable thanks to its large-size undercarriage. Boom regenerative circuit and cushioned cylinders significantly reduce shocks and shake during excavation, and at stops and starts of operation.

Sure-Footed Travel

Powerful job-to-job travel is made possible with ample traction force.

- Auto idle for energy-saving operation
- Hydraulic warm-up control system for smooth starts in cold weather



Operator First. The Origin of Hitachi's Cab Design

OPERATOR COMFORT

Roomy Cab with Increased Visibility

The wide 1 m (3'3") cab, the widest in this class, plus ample foot space enhance operator comfort and convenience. Raise-up wipers and large overhead window further enhance visibility.





 Raise-up wiper (stored and in use)



Fresh Air Type Large-Capacity Air Conditioner

This large-capacity air conditioner always keeps the cab comfortable. Rotatary louver serves as a defroster for rapid air conditioning. Car-like temperature control enhances operator

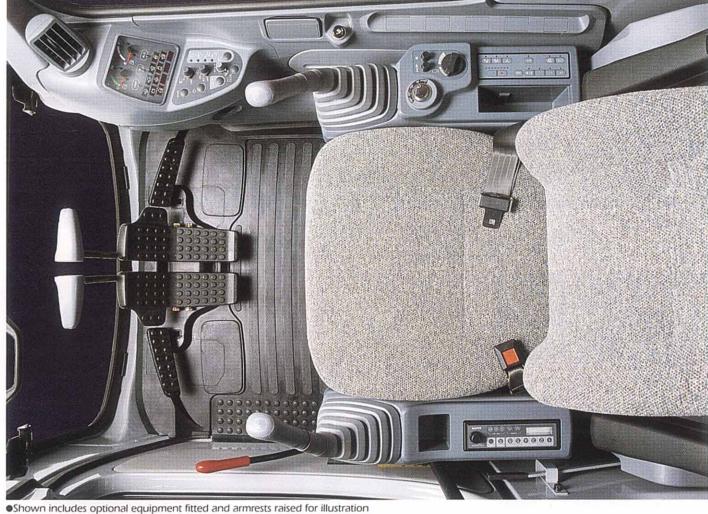








Air conditioner control panel



Ergonomically Arranged Controls

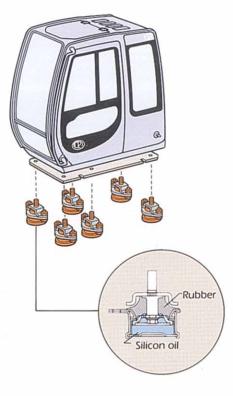
Controls are arranged logically for easy operation. Monitors and switches are placed at the front right position, and engine controls to the right of the operator's seat. Monitors are easy to read, and the fuel throttle is dial type.





Six Fluid-Filled Elastic Mounts

Cab shocks and vibration are dampened with six fluid-filled elastic mounts for pleasant operation with less operator



Glove Compartment and Hot-and-Cool Box

A glove compartment (standard) is provided behind the operator's seat for operator convenience. A hot-and-cool box is optionally available.



Tiltable Seat Cushion and Three-Stage Adjustable Control Levers

The front and rear parts of the seat cushion can be adjusted up and down independently to help the operator find the most comfortable operating position. Also, the control levers can be adjusted in three stages to fit each operator.



Robust Body, Tough Performance. It Counts When the Going Is Tough

DURABILITY

Rugged Front

The boom and arm are ruggedly designed, using thickened

Large Cylinder Pin Diameter

Boom and arm cylinder pin diameters are large enough to handle tough operation.

HITACHI

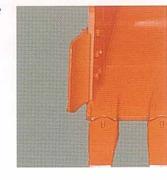
Bucket Bottom Plates Wear plates are added to

the bucket bottom for increased wear resistance.



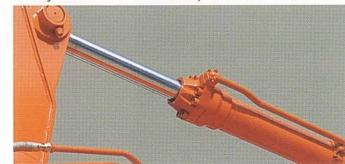
Interlocking Mounting Side Cutters

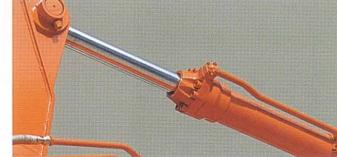
Interlocking mounting side cutters, made of cast steel, prevent the bucket side plates from wearing.



Advanced Cylinder Seals

Each cylinder is fitted with double lip seal to shut out dirt.

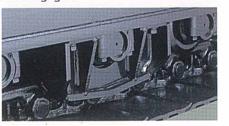


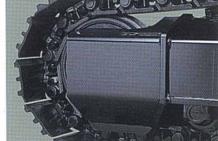


Large Track Links and Track Center

... or or or

Large track links are fitted with struts for added durability. Pin seals prevent dirt entry. Track center quard keeps track links engaged.





Strengthened Front Idler Bracket

The front idler bracket is strengthened

enough to retain front idlers.

The engine is well-cooled by the radiator and oil cooler. This allows the mounting of the high-powered engine with rated

and total displacement of 6.73 liters (411 in3).

horsepower of 125 kW (170 PS) [132 kW (180 PS) in H/P mode]

Well-Cooled Engine

Brushless Alternator (Generator) An ample 50 A capacity of the alternator is twice the conventional level.



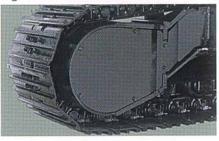
Rugged Track Frame

Track frame is made of thick plates for ruggedness.



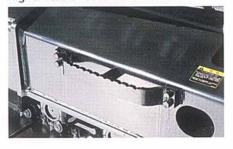
Round Travel Motor Covers

Travel motor covers are made round for higher resistance to deformation.

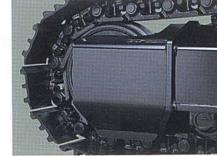


Rugged Side Steps

Side steps are rugged and bolted for higher resistance to deformation.



- Bucket clearance adjust mechanism
- Three-piece track center guard (option)
- Full track guard (option)



An Integration of Man and Machine. **Embodiment of Human Engineering**

ENVIRONMENTAL FRIENDNESS

Low Noise Design

The newly developed low-noise hydraulic pump and Y-shaped fan increase air flow and reduce air blowing noise and turbulence noise. It also eliminates irritating high-frequency noise.

Noise Levels:

75 dB(A) at operator's ear in cab 75 dB(A) at 7 m (23'0") away



Emissions Control Engine



Indication of Resin Parts Resin parts are indicated for convenience of recycling. Part materials are free of asbestos.



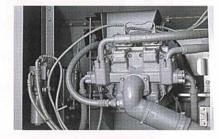
SAFETY

Emergency Evacuation Tool and Large Overhead Window

A hammer is provided inside the cab for emergency evacuation. A large overhead window serves as an emergency exit.



Pump Bulkhead A bulkhead is placed between pump and engine.





Emergency engine stop lever (to lower right of seat)



Seat belt

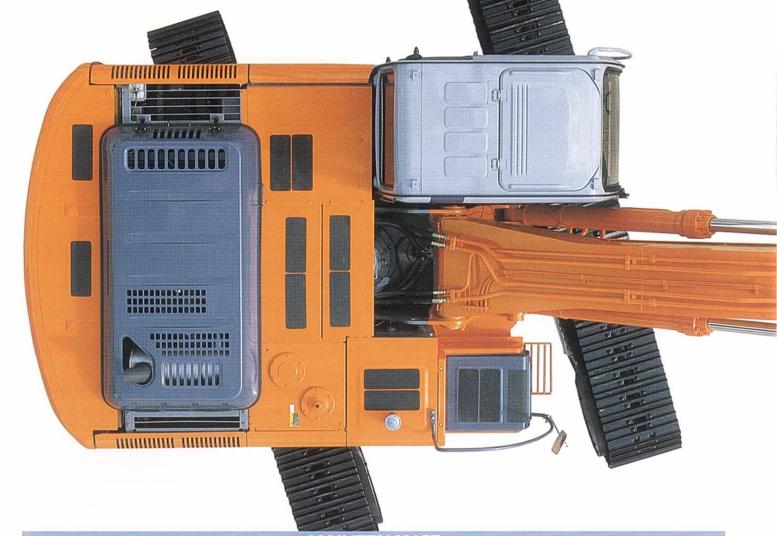


Right-side cab window guard



Large handrail





Net Screen for Radiator

A net screen is provided before the radiator and oil cooler to catch dirt and insects to avoid clogging problems.



Large Tool Box with Grease Gun Holder



MAINTENANCE

Air Cleaner Stored inside An air cleaner, stored inside the upperstructure cover, allows simple replacement of elements from the ground.



Ample Utility Space behind Cab



Remote Lubrication

Remote lubrication system is adopted for simple greasing of the front attachment and swing circle.

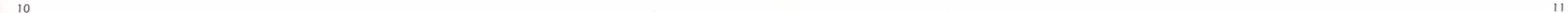


Extended Oil/Filter Element Change Intervals

Change intervals of hydraulic oil and filter elements are extended up to 4 000 hours and 500 hours, respectively.

Auto Lubrication System (Option)

Auto lubrication eases daily maintenance at the boom and arm pins.





ENGINE

HINO H07C-TD
4-cycle water-cooled, direct injection
Turbocharged
6
125 kW (170 PS) at 2 050 min-1 (rpm)
125 kW (168 HP) at 2 050 min ⁻¹ (rpm)
6.728 L (411 in ³)
110 mm × 118 mm (4.3" × 4.6")
2 × 12 V, 120 AH
Mechanical, speed control with stepping motor



HYDRAULIC SYSTEM

Work mode selector
 General purpose mode / Grading mode / Precision mode /
 Attachment mode
 Engine speed sensing system

Hydraulic Motors

Pelief Valve Settings

34.3 N	ИРа (3	350	kgf/cm ² ,	4	980	psi)
27.7 N	MPa (282	kgf/cm2,	4	010	psi)
34.3 N	ИРа (:	350	kgf/cm ² ,	4	980	psi)
3.7 N	MPa (38	kgf/cm ² ,		540	psi)
36.3 N	MPa (370	kgf/cm ² ,	5	260	psi)
	27.7 M 34.3 M 3.7 I	27.7 MPa (34.3 MPa (3.7 MPa (27.7 MPa (282 34.3 MPa (350 3.7 MPa (38	27.7 MPa (282 kgf/cm², 34.3 MPa (350 kgf/cm², 3.7 MPa (38 kgf/cm²,	27.7 MPa (282 kgf/cm², 4 34.3 MPa (350 kgf/cm², 4 3.7 MPa (38 kgf/cm²,	34.3 MPa (350 kgf/cm², 4 980 27.7 MPa (282 kgf/cm², 4 010 34.3 MPa (350 kgf/cm², 4 980 3.7 MPa (38 kgf/cm², 540 36.3 MPa (370 kgf/cm², 5 260

Hydraulic Cylinders

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

Dimensions

	Qty.	Bore	Rod diameter
Boom	2	135 mm (5.31")	95 mm (3.74")
Arm	1	145 mm (5.71")	100 mm (3.94")
Bucket	1	135 mm (5.31")	90 mm (3.74")

Hydraulic Filters

12

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

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) are openable. Adjustable, reclining seat with armrests; movable with or without control levers.

*International Standardization Organization



UNDERCARRIAGE

Tracks

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

Track shoes with triple grousers made of induction-hardened rolled alloy. Flat and triangular shoes are also available. Heattreated 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	
	9 EX270LC-5
Track shoes	47 EX270-5
	50 EX270LC-5
Track guard	1 EX270.5-EX270LC-5

Traction Device

W

WEIGHTS AND GROUND PRESSURE

Equipped with 6.20 m (20'4") boom, 3.10 m (10'2") arm and 1.10 m³ (1.44 yd³: PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure				
		26 000 kg	53 kPa				
	600 mm	(57 330 lb)	(0.54 kgf/cm ² , 7.68 psi				
	(24")	26 700 kg	51 kPa				
Triple	8 8	(58 870 lb)	(0.52 kgf/cm², 7.39 psi				
grouser		26 900 kg	41 kPa				
	800 mm	(59 310 lb)	(0.42 kgf/cm ² , 5.97 psi				
	(31")	27 600 kg	39 kPa				
		(60 860 lb)	(0.40 kgf/cm², 5.67 psi				
		27 200 kg	55 kPa				
-	600 mm	(59 980 lb)	(0.57 kgf/cm², 8.11 psi				
Flat	(24")	27 900 kg	53 kPa				
		(61 520 lb)	(0.54 kg/cm ² , 7.68 psi				
		27 400 kg	37 kPa				
	910 mm	(60 420 lb)	(0.38 kgf/cm ² , 5.40 psi				
Triangular	ngular (36") 28 200 kg 35 kPa						
		(62 180 lb)	(0.36kgf/cm², 5.12 psi)				

Figures in _____ are data on the EX270LCs.

Weights of the basic machines [including 5 700 kg (12 570 lb), counterweight and triple grouser shoes, excluding front-end attachment, fuel, Hyd. oil, Eng. oil and coolant etc.] are:

EX270₅ ______ 20 300 kg (44 760 lb)

with 600 mm (24") shoes

EX270LC₅ ______ 21 900 kg (48 290 lb)

with 800 mm (31") shoes

SERVICE REFILE CAPACITIES

Fuel tank Engine coolant Engine oil Swing mechanism Travel final device	liters 380 23 26 17 7.8	US gal 100.4 6.1 6.9 4.5 2.1	Imp gal 83.6 5.1 5.7 3.7 1.7
(each side) Hydraulic system Hydraulic tank (Reference oil level)	230 156	60.8 41.2	50.6 34.3

BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 6.20 m (20'4") boom, and 2.40 m (7'10"), 3.10 m (10'2") and 3.75 m (12'4") arms are available.

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

Buckets

		Luci	44	1000	TEL . Detection	Recommendation									
Capacity		Wi	ath		COLUMN TO SERVICE STREET		+911	EX270LCs							
PCSA heaped	CECE heaped	Withut side cutters	With side cutters	No. of teeth	Weight	2.40 m (7'10") arm	3.10 m (10'2") arm	3.75 m (12'4") arm	2.40 m (7'10") arm	3.10 m (10'2") arm	3.75 m (12'4") arm				
*1 0.92 m³ (1.20 yd³)	0.80 m ³	1 115 mm (3.'8")	_	5	990 kg (2 180 lb)	•	•	0	•		0				
1.00 m³ (1.31 yd³)	0.90 m ³	1 160 mm (3'10")	1 290 mm (4'3")	5	840 kg (1 850 lb)	0	0	0	0	0	0				
1.10 m³ (1.44 yd³)	1.00 m ³	1 220 mm (4'0")	1 340 mm (4'5")	5	900 kg (1 980 lb)	0	- 0	0	0	0	0				
1.39 m³ (1.82 yd³)	1.20 m ³	1 440 mm (4'9")	1 560 mm (5'1")	5	990 kg (2 180 lb)	0	0	1-7	0	.0					
1.62 m³ (2.12 yd³)	1.40 m ³	1 640 mm (5'5")	1-	5	1 000 kg (2 210 lb)			1 - 1			1-				
*2 1.10 m³ (1.44 yd³)	1.00 m ³	1 220 mm (4'0")	1 340 mm (4'5")	5	1 040 kg (2 290 lb)	0	0	0	0	0	0				
*2 1.39 m³ (1.82 yd³)	1.20 m ³	1 330 mm (4'4")	1 560 mm (5'1")	5	1 150 kg (2 540 lb)	0	0	1 -	0	0					
Ripper bucket: 0.80 m³ (1.05 yd³: CECE heaped), Width 1 000 mm (3'33")				3	1 210 kg (2 670 lb)	•	•	7=1	•	•	-				
One-point ripper					680 kg (1 500 lb)			7-2			-				
	Clamshell bucket: 0.80 m³ (1.05 yd³: CECE heaped), Width 975 mm (3'2")					0	0		0	0	-				

^{*1} Rock bucket

^{*2} Reinforced bucket

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

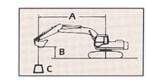
Heavy-duty service

Not recommended

DIMENSIONS

LIFTING CAPACITIES

METRIC MEASURE



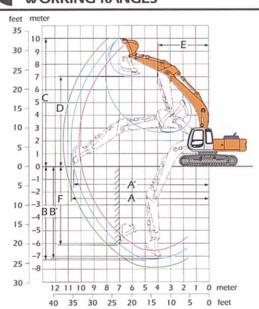
A: Load radius
B: Load point height
C: Lifting capacity

	 	L
E		D and D'
F	M	
1 H	•	A
- J		B

		Unit: mm (ft in)
	EX270s	EX270LCs
A Distance between tumbles	3 710 (12'2")	4 010 (13'2")
B Undercarriage length	4 570 (15'0")	4 860 (15'11")
C Counterweight clearance	1 160 (3'10")	1 160 (3'10")
D Rear-end swing radius	2 940 (9'8")	2 940 (9'8")
D' Rear-end length	2 940 (9'8")	2 940 (9'8")
E Overall width of upperstructure	2 870 (9'5")	2 870 (9'5")
F Overall height of cab	3 030 (9'11")	3 030 (9'11")
G Min. ground clearance	500 (1'8")	500 (1'8")
H Track gauge	2 590 (8'6")	2 590 (8'6")
I Track shoe width	G 600 (24")	G 600 (24")
J Undercarriage width	3 190 (10'6")	3 190 (10'6")
K Overall width	3 190 (10'6")	3 190 (10'6")
L Overall length		
With 2.40 m (7'10") arm	10 370 (34'0")	10 370 (34'0")
With 3.10 m (10'2") arm	10 290 (33'9")	10 290 (33'9")
With 3.75 m (12'4") arm	10 310 (33'10")	10 310 (33'10")
M Overall height of boom		
With 2.40 m (7'10") arm	3 420 (11'3")	3 420 (113")
With 3.10 m (10'2") arm	3 170 (10'5")	3 170 (10'5")
With 3.75 m (12'4") arm	3 350 (12'0")	3 350 (12'0")
N Track height		
With triple grouser shoes	1 000 (3'3")	1 000 (3'3")

^{*}Excluding track shoe lug.

WORKING RANGES



				Unit: mm (ft in)						
	11-1-10	EX270.5 / EX270LCs								
Arm length		2.40 m (7'10")	3.10 m (10'2")	3.75 m (12'4")						
A Max. digging	reach	10 060 (33'0")	10 710 (35'2")	11 300 (37'1")						
A' Max. digging (on ground)	reach	9 860 (32'4")	10 520 (34'6")	11 120 (36'6")						
B Max. digging	depth	6 540 (21'5")	7 230 (23'9")	7 880 (25'10")						
B' Max. digging (8' level)	depth	6 320 (20'9")	7 050 (23'2")	7 720 (25'8")						
C Max. cutting h	neight	9 640 (31'8")	9 980 (32'9")	10 240 (33'7")						
D Max. dumping height		6 750 (22'2")	7 070 (23'2")	7 330 (24'1")						
E Min. swing rad	dius	4 310 (14'2")	4 140 (13'7")	4 120 (13'6")						
F Max. vertical v	vall	5 280 (17'4")	6 110 (20'1")	6 770 (22'3")						
Bucket diggint	ISO	167 kN (17 000 kgf, 3	7 490 lbf) / 177 kN (18	000 kgf, 39 690 lbf)*						
force	SAE: PCSA	144 kN (14 700 kgf, 3	2 410 lbf) / 152 kN (15	500 kgf, 34 180 lbf)*						
Arm crowd	ISO	145kN 153kN* (14 800 kgf) (15 600 kgf) (32 630 lbf) (34 400 lbf)		99 kN 105kN* (10 100 kgf) (10 700 kgf) (22 270 lbf) (23 590 lbf)						
force	SAE PCSA	139 kN 147 kN* (14 200 kgf) 15 000 kgf) (31 310 lbf) (33 080 lbf)		96 kN 102 kN* (9 800 kgf) (10 400 kgf (21 610 lbf) (22 930 lbf						

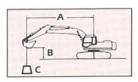
Excluding track shoe lug * At power boost

EX270.5								(C) R	ating ov	er-side o	r 360 de	egrees	ď	1 Ratin	g over fr	ront	Unit:	1 000 kg
	Load							Load i	radius						m	A+ .	max. re	ach
Cdist	point height		3	4	1		5	6	5	7	,	8	3	9)	ALI	nax. re	acri
Conditions	m	P	ů	P	ů	*	ů	P	ů		ů		ů		ů		ů	@m
Boom 6.20 m	6							4.78*	4.78*	4.79*	4.79*					3.15	4.04*	8.95
Arm 2.40 m Bucket PCSA: 1.10 m ³ CECE: 1.00 m ³	4					7.40*	7.40*	7.40*	7.40*	4.77	5.61*	3.77	5.26*			2.65	4.04	9.57
	2					6.65	9.69*	5.59	8.20*	4.41	6.65	3.54	5.35	2.88	4.39	2.50	3.86	9.67
	0					7.94*	7.94*	5.27	7.85	4.16	6.38	3.37	5.16	2.78	5.16	2.63	4.07	9.29
	-2					7.01	10.44*	5.22	8.09	4.10	6.31	3.33	5.12			3.19	4.88	8.33
Shoes 600 mm	-4	8.92*	8.92*	10.57	10.91*	7.21	10.00*	5.38	8.26	4.26	6.481							
311063 000 11111	-5			9.93*	9.93*	7.43	8.40*	5.59	6.76*									
Boom 6.20 m	6									4.07*	4.07*	3.99	4.20*					
	4							5.41*	5.41*	4.87	4.97*	3.82	4.70*	3.03	4.56	2.41*	2.41*	9.65
Arm 3.10 m	2					7.54	9.54*	5.72	7.48*	4.47	6.31*	3.57	5.38	2.88	4.40	2.32	2.47*	10.22
Bucket	0					6.99	11.05	5.29	8.18	4.16	6.39	3.35	4.25	2.74	3.07*	2.19	2.67*	10.32
PCSA:1.10 m ³	-2	6.90*	6.90*	8.55*	8.55*	6.91	10.94	5.15	8.02	4.04	6.25	3.26	5.05			2.69	3.83*	9.09
CECE: 1.00 m ³	-4	8.45*	8.45*	10.32	12.14*	7.04	10.72*	5.23	8.11	4.10	6.32					3.85	5.44*	7.47
Shoes 600 mm	-6			8.60*	8.60*	7.47	7.60*											
Boom 6.20 m	6									3.70*	3.70*	3.77*	3.77*	2.62*	2.62*	1.95*	1.95*	10.21
Arm 3.75 m	4							4.47*	4.47*	4.40*	4.40*	3.93	4.27*	3.12	4.23*	1.99*	1.99*	10.75
	2			11.02*	11.02*	7.97	8.11*	5.96	6.61*	4.63	5.73*	3.67	5.17*	2.95	4.48	2.01	2.15*	10.85
Bucket PCSA:1.10 m ³	0	3.92*	3.92*	7.58*	7.58*	7.18	10.72*	5.43	8.33	4.27	6.50	3.42	5.23	2.79	4.30	2.07	2.47*	10.53
CECE: 1.00 m ³	-2	6.82*	6.82*	9.97	11.39*	6.90	10.94	5.18	8.05	4.06	6.27	3.27	5.07	2.69	4.19	2.38	3.07*	9.74
Shoes 600 mm	-4	13.27*	13.27*	10.10	10.97	6.93	10.97	5.16	8.03	4.04	6.25	3.27	5.07			3.19	4.32*	8.31
311063 000 11111	-6	12.63*	12.63*	10.50	11.63	7.21	9.46	5.39	7.72*									

- Notes: 1. Ratings are based on SAE J1097.
 - Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% 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.

G: Triple grouser shoe

METRIC MEASURE



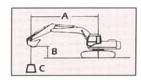
A: Load radius B: Load point height C: Lifting capacity

	Load			L.				Load r	adius						m	At max. reach		
	point	3		- 4	1	5	;	6		7		8		9		ALI	nax. ice	icii
Conditions heigh	height	P	ů	(C)	ů	P	ů	P	ů	P	ů	(C)	Ů	P	Ů		ů	@m
D (30	6							4.78*	4.78*	4.79*	4.79*					3.36	4.04*	8.95
Boom 6.20 m Arm 2.40 m	4					7.40*	7.40*	6.24*	6.24*	5.06	5.26*	4.01	5.26*			2.85	4.14*	9.57
Bucket	2					7.06	9.69*	5.94*	8.20*	4.70	6.84*	3.79	6.03*	3.09	5.24	2.69	4.46*	9.67
PCSA:1.10 m ³	0					7.25	7.94*	5.62	9.41*	4.45	7.63	3.61	6.18	2.99	5.13	2.84	4.88	9.29
	-2			10.17*	10.17*	7.45	10.44*	5.57	9.51*	4.38	7.55	3.58	6.13			3.42	5.83	8.33
CECE: 1.00 m ³ Shoes 800 mm	-4	8.92*	8.92*	10.91*	10.91*	7.66	10.00*	5.73	8.38*	4.54	6.85							
211062 900 HIIII	-5			9.93*	9.93*	7.87	8.40*	5.94	6.76*									
	6							4.07*	4.07*	4.07*	4.07*	4.20*	4.20*			2.41*	2.41*	9.65
Boom 6.20 m	4					5.84*	5.84*	5.41*	5.41*	4.97*	4.97*	4.06	4.70	3.25	4.59*	2.47*	2.47*	10.22
Arm 3.10 m	2					7.99	9.54*	6.07	7.48	4.76	6.31*	3.81	5.59	3.09	5.13*	2.37	2.67*	10.32
Bucket	0			5.34*	5.34*	7.44	11.49*	5.64	9.02*	4.45	7.45*	3.60	6.16	2.95	5.09	2.47	3.07*	9.96
PCSA:1.10 m ³	-2	6.90*	6.90*	8.55*	8.55*	7.35	11.71*	5.50	7.49	4.32	7.49	3.50	6.06	2.90	5.04	2.90	3.83*	9.09
CECE: 1.00 m ³	-4	8.45*	8.45*	10.94	12.14	7.49	10.72	5.58	8.90*	4.39	7.42*					4.11	5.44*	7.47
Shoes 800 mm	-6			8.60*	8.60*	7.60*	7.60*											
Boom 6.20 m	6											3.77*	3.77*	2.62*	2.62*	1.95*	1.95*	10.21
Arm 3.75 m	4									4.40*	4.40*	4.12	4.27*	3.33	4.23*	1.99*	1.99*	10.75
Bucket	2			10.02*	10.02*	8.11*	8.11*	6.31	6.61*	4.91	5.73*	3.92	5.17*	3.16	4.81*	2.15*	2.15*	10.85
PCSA:1.10 m ³	0			7.58*	7.58*	7.63	10.72*	5.78	8.45*	4.55	7.03*	3.67	6.09*	3.00	5.15	2.25	2.47	10.53
CECE: 1.00 m ³	-2	6.82*	6.82*	10.59	11.39*	7.35	11.72*	5.53	9.41*	4.35	7.52	3.52	6.08	2.90	5.04	2.57	3.07	9.74
Shoes 800 mm	-4	13.27*	13.27*	10.72	14.27*	7.37	11.40*	5.51	9.33*	4.33	7.48	3.52	6.08			3.42	4.32*	8.32
311063 000 111111	-6	14.63*	14.63*	11.12	11.63	7.65	9.46*	5.74	7.72*									

Notes: 1. Ratings are based on SAE J1097

- Lifting capacity of the Super EX Seriesdoes 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

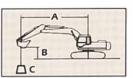


A: Load radius
B: Load point height
C: Lifting capacity

Conditions		Load radius m												At max. reach		
	Load point	10 ft (3.05 m) 15 ft (4.57 m) 20 ft (6.10 m) 25 ft (7.62 m) 30 ft (9.14 m) 35 ft (10.67 m)														
	height	0	Ů	0	ů	*	ů		ů		Ů	(C)	ů		Ů	@ ft in (m)
Boom 20'4"	25 ft (7.62 m)															
	20 ft (6.10 m)							9.10*	9.10*					5.48*	5.48*	28.81
Arm 10'20"	15 ft (4.57 m)							9.39	10.01*	6.54	8.09*			5.32*	5.32*	31.55
Bucket PCSA: 1.44 yd ³ Shoes: 24"	10 ft (3.05 m)			19.32*	19.32*	12.99	13.87*	8.91	11.61*	6.34	9.61			5.31	5.37*	33.18
	5 ft (1.52 m)			18.46	24.49*	12.03	17.14*	8.41	12.72	6.09	9.35			4.92	5.61*	33.88
	0 ft (Ground)			17.74	20.84*		17.58	8.02	12.29	5.88	9.12			4.83	6.06*	33.73
	-5 ft (-1.52 m)	11.33*	11.33*	17.64	22.70*		17.27	7.80	12.06	5.78	9.02			5.03	6.78	32.69
	-10 ft (-3.05 m)				27.34*		17.27	7.80	12.06					5.63	7.96	30.68
	-15 ft (-4.57 m)				24.26*		17.58							6.92	10.00	27.44
	25 ft (7.62 m)		1													
Boom 20'4"	20 ft (6.10 m)							9.47	10.74*					7.03	0.03+	29.24
	15 ft (4.57 m)					12 52+	12.52*	9.23	11.35*					6.08	100000	31.01
Arm 7'10"	10 ft (3.05 m)	-				12.66	15.59*	8.79	12.78*					5.62		31.77
Bucket	5 ft (1.52 m)							8.35	12.78	6.10	9.35			5.53		31.60
PCSA 1.44 yd³	0 ft (Ground)	_				11.82	18.03	8.04	12.30	0.10	7.33			5.81		30.48
Shoes 24"	-5 ft (-1.52 m)			17.89	19.23*		17.36	7.92	12.17					6.62		28.29
	-10 ft (-3.05 m)	24 444	24.444			11.34	17.50	8.04	12.17					8.47		24.66
	-15 ft (-4.57 m)	20.64	20.04	18.74	21.82*		16.49*	0.04	12.51					0.47	11.75	24.00
	-20 ft (-6.10 m)			18.74	21.82	11.80	10.49									
	-2010[-0.1011]					-										
Boom 20'4" Arm 12'4" Bucket PCSA: 1.44 yd ³ Shoes: 24"	25 ft (7.62 m)													4.43*	4.43*	30.81
	20 ft (6.10 m)													4.30*	4.30*	33.37
	15 ft (4.57 m)							8.99*	8.99*	6.73	8.33*			4.34*	4.34*	34.92
	10 ft (3.05 m)					12.04*	12.04*	9.20	10.54*	6.51	9.80			4.53*	4.53*	35.61
	5 ft (1.52 m)			19.57	22.09*		15.40*	8.66	12.40*	6.23	9.50			4.43	4.88*	35.49
	0 ft (Ground)			18.17	26.74*			8.19	12.49	5.97	9.23			4.57		34.56
	-5 ft (-1.52 m)	12.56*	12.56*	-		11.22	17.39	7.88	12.15	5.80	9.04			5.02	100000	32.73
	-10 ft (-3.05 m)				28.30	11.06	17.21	7.78	12.02	5.79	9.03			5.96		29.81
	-15 ft (-4.57 m)				26.67	11.18		7.87	12.14					8.02		25.36
	-20 ft (-6.10 m)	-				11.64										

- Notes: 1. Ratings are based on SAE J1097.
 - Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
 - The load point is a hook (not standard equipment) loaded on the back of the bucket.
 - 4. *Indicates load limited by hydraulic capcity.

ENGLISH MEASURE



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

Conditions		Rating over-side or 360 degrees Load radius											Rating over-fi			1 000 1
	Load	10 ft (3.05 m) 15 ft (4.57 m)				20 ft (6.10 m) 25 ft (7.62 m)			30 ft (9	9.14 m)			At max. reach			
	point height	*	ů	P	ů	P	ů	P	ů	0	Ů	P	Ů	P	ð	@ ft in (m)
Boom 20'4" Arm 7'10"	25 ft (7.62 m)															
	20 ft (6.10 m)							10.04	10.74*					7.50	8.93*	29.24
	15 ft (4.57 m)					12.52*	12.52*	9.80	11.35*					6.52	9.02*	31.01
Bucket	10 ft (3.05 m)					13.41	15.59*	9.36	12.78*					6.05	9.40*	31.77
PCSA: 1.44 yd ³ Shoes: 31"	5 ft (1.52 m)					12.57	18.55*	8.92	14.35*	6.56	11.18			5.96	10.09*	31.60
	0 ft (Ground)					12.10	20.33*	8.61	14.71					6.26	10.76	30.48
	-5 ft (-1.52 m)			19.00	19.23*	11.97	20.75*	8.49	14.58					7.11	12.15	28.29
	-10 ft (-3.05 m)	26.64*	26.64*		23.36*		19.77*	8.61	14.71					9.05	11.93*	24.66
	-15 ft (-4.57 m)			19.85	21.82*		16.49*									
Boom 20'4"	25 ft (7.62 m)													5.48*	5.48*	28.81
	20 ft (6.10 m)							9.10*	9.10*					5.32*	5.32	31.55
	15 ft (4.57 m)							9.96	10.01*	6.99	8.09*			5.37*	5.37*	33.18
Arm 10'20"	10 ft (3.05 m)			19.32*	19.32*	13.74	13.87*	9.48	11.61*	6.79	10.58*			5.32	5.61*	33.88
Bucket	5 ft (1.52 m)			19.58	24.49*	12.79	17.14*	8.98	13.39*	6.54	11.18			5.23	6.06*	33.73
PCSA: 1.44 yd ³ Shoes: 31"	0 ft (Ground)			18.85	20.88*	12.15	19.05*	8.58	14.70*	6.33	10.95			5.45	6.78*	32.69
	-5 ft (-1.52 m)	11.33*	11.33*	18.75	22.70*	11.87	20.55*	8.37	14.46	6.24	10.85			6.07	7.95*	30.68
	-10 ft (-3.05 m)				27.34*	11.87	20.27*	8.37	14.46					7.34	10.00*	27.44
	-15 ft (-4.57 m)				24.26*	12.15	18.27*									
	-20 ft (-6.10 m)															
Boom 20'4" Arm 12'4" Bucket PCSA: 1.44 yd ³ Shoes: 31"	25 ft (7.62 m)													4.43*	4.43*	30.81
	20 ft (6.10 m)													4.30*	4.30*	33.37
	15 ft (4.57 m)							8.99*	8.99*	7.19	8.33*			4.34*	4.34*	34.92
	10 ft (3.05 m)					12.04*	12.04*	9.76	10.54*	6.97	9.83*			4.53*	4.53*	35.61
	5 ft (1.52 m)			20.68	22.09*	13.26	15.40*	9.23	12.40*	6.69	10.85*			4.81	4.88*	35.49
	0 ft (Ground)			19.28	26.74*	12.45	18.27*	8.76	14.13*	6.43	11.06			4.96	5.46*	34.56
	-5 ft (-1.52 m)	12.56*	12.56*	18.76	28.58*	11.98	20.05*	8.45	14.55	6.26	10.87			5.43	6.37*	32.73
	-10 ft (-3.05 m)					11.82	20.58*	8.33	14.41	6.24	9.56*			6.42	7.92*	29.81
	-15 ft (-4.57 m)					11.93	19.68*	8.44	14.54					8.58	10.99*	25.36
	-20 ft (-6.10 m)					12.39	16.33*									

Notes: 1. Ratings are based on SAE J1097.

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

STANDARD EQUIPMENT

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

ENGINE

- H/P mode control
- E mode control
- 50 A alternator
- · Dry-type air filter with evacuator valve (with safety element)
- · Cartridge-type engine oil filter
- Cartridge-type engine oil bypass filter
- Cartridge type fuel filter
- Air cleaner double element · Radiator and oil cooler with
- dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idle system

HYDRAULIC SYSTEM

- Work mode selector
- · Engine speed sensing system
- E-P control system
- · Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Boom-arm anti-drift valve · Control valve with main relief
- valve
- · Extra port for control valve
- Suction filter Full-flow filter
- Pilot filter

CAB

All-weather sound-suppressed steel cab equipped with reinforced, tinted (bronze color) glass windows, 6 fluid-filled elastic mounts, openable front windows-upper, and lower and left side windows with intermittent windshield retractable wipers, front window washer, adjustable reclining seat with adjustable armrests, footrest, electric double horn, auto-tuning radio with digital clock, auto-idle switch, seat belt, cigarette lighter, ashtray, parcel pocket, glove compartment, floor mat, heater, and pilot control shut-off lever.

MONITOR SYSTEM

- Meters:
- Hourmeter, engine coolant temperature gauge and fuel meter.
- · Warning lamps: Alternator charge, engine oil pressure, engine overheat, air cleaner clog and minimum fuel level.
- · Pilot lamps: Engine preheat, engine oil level, engine coolant level and hydraulic oil level.
- Alarm buzzers: Engine oil pressure and engine overheat

LIGHTS

· 2 working lights

UPPERSTRUCTURE

- Undercover
- 5 700 kg (12 570 lb) counterweight
- Fuel level float
- · Hydraulic oil level gauge
- Tool box
- Utility space
- · Rearview mirror right side (left side option)
- · 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
- 600 mm (24") triple grouser shoe.

FRONT ATTACHMENTS

- Bucket clearance adjust mechanism
- Centralized lubrication system
- · Dirt seals on all bucket pins
- 3.10 m (10'2") arm
- 1.10 m³ (1.44 yd³: PCSA heaped) bucket

MISCELLANEOUS

- Standard tool kit
- · Lockable machine covers
- Lockable fuel filling cap
- · Slip resistant tapes and handrails

OPTIONAL EQUIPMENT

- AM-FM radio
- Hose rupture valves
- · Travel motion alarm device
- - Optional equipment may vary by country, so please consult your Hitachi dealer for details.

- Air conditioner
- Suspension seat
- · Electric fuel refilling pump
- Swing motion alarm device with lamps

- Additional pump
- · Piping kit for extra valve port
- · Additional valve with piping kit
- · PTO valve with piping kit
- Auto-lubrication system Pre-cleaner
- Tropical cover

- Sun shad
- Front glass lower guard
- · Reinforced undercover for upperstructure
- Full track guard
- Track center guard (extending over three lower rolles)
- · Ripper bucket for ripping and loading hardpan
- · One point ripper for ripping hardpan

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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:

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