HITACHI

ZAXIS 270

■ Engine Rated Power: 132 kW (180 PS)
■ Operating Weight ZAXIS270: 27 000 kg







marter ZAXIS uses advanced technology to reduce costs while working faster.

Auto Power Lift Increases Power on Demand

The auto power lift automatically boosts power by 6% when the load is increased during scooping-up operation.



Auto Acceleration System Helps Reduce Fuel Consumption

Engine speed is automatically controlled in response to lever operation.

This helps reduce fuel consumption, especially during light-load work.

less fuel consumption than normal operation

Excavating Power for Tough Job Sites

182 kN (18 600 kgf)

193 kN (19 700 kgf)

Travel Power You Can Depend On

Same rugged undercarriage as ZAXIS330.

more travel power than EX270-5



All Excavating Operations in a Single Mode

Simply select the "digging" mode for smooth and speedy front operations.









* Illustration shows a sample of the air flow during bi-level control.

Easy-to-Monitor Instruments

Strategically positioned instruments allow the operator to monitor the status of key areas with just a glance.

Easy-to-Operation

Switches and other essential controls are located near the operator. This helps keep operator movement to a minimum, enhancing control and helping to fight fatigue.

Auto Control Air Conditioner (Option)

Simply set the temperature and forget about it. Ducts are positioned to promote even air flow throughout the cab.

ZAXIS

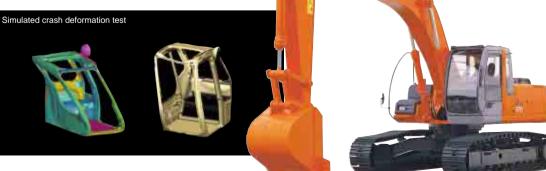
Inimum The operator's compartment is designed for both comfort and operating efficiency.

Aximum Efficiency





Storage box Easy-lock front window latch Wide and comfortable arm rests



ZAXIS

A design that both guards the operator and contributes to efficient operation both guards the efficient operation.



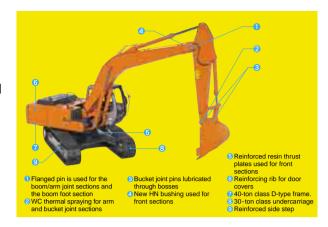
CRES (Center pillar Reinforced Structure) Cab * The CRES cab meets OPG top guard level I (ISO).

The cab is designed with "just in case" protection for the operator. The rigid cab design can help prevent injury to the operator during

an accident.



to support basic performance and overall durability.





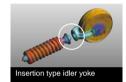


Reinforced Resin Thrust **Plates**

Designed to reduce noise and resist wear.



New HN Bushing



Rigid Undercarriage

Strong undercarriage section for increased durability.



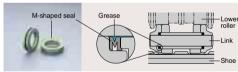
WC (Tungsten Carbide) Thermal Spraying

Used at arm end and bucket connection to increase wear resistance and reduce jerking.



Rugged Travel Device

The compact travel device does not protrude from the crawler. It has been designed to provide high durability and help to reduce downtime.



M-Shaped Track Link Seals Provide High Grease Retention



Savings Advanced technology helps reduce maintenance cost.

Front and Bucket Components Only **Need Lubrication Every 500 Hours**

The improved HN bushings and reinforced resin thrust plates help reduce maintenance time and expense. (See the Operators Manual)



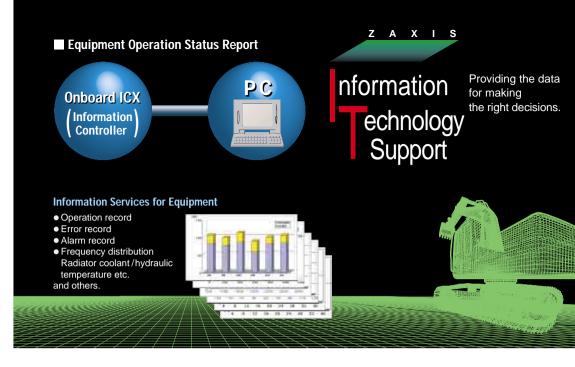
Engine Oil Filter and Water Separator Positioned for Easy Access from Ground

Hydraulic Oil Filter Only Needs Replacement Every 1000 Hours

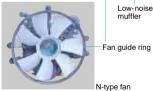
The hydraulic oil filter can be used nearly twice as long as the previous model dramatically reducing maintenance time and expense.



Undercarriage Designed for Easy Mud Removal









Low-Noise Operation

A low-noise muffler and other such steps have been taken to reduce the amount of noise released from the engine compartment.

Emissions Control Engine

Conforms to U.S. EPA Tier 2 and EC Stage II emission requlations.

Lead-Free Wiring and Aluminium Radiator and Oil Cooler

Helps keep harmful materials out of the environment.

Labeled Plastic Parts

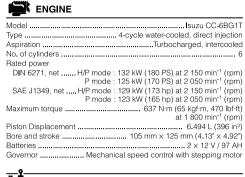
The type of plastic used in various parts is imprinted on them to facilitate easy recycling.



ZAXIS

nvironmentally

riendly Helping ensure Design tomorrow.





- · Work mode selector
- Digging mode / Attachment mode
- · Engine speed sensing system

Main pumps	2 variable displacement axial piston pumps
	2 x 209 L/min (55.2 US gpm, 46.0 lmp gpm)
Pilot pump	1 gear pump

Hydraulic Motors

......1 axial piston motor

Relief Valve Settings

Implement circuit	34.3 MPa (350 kgf/cm2, 4 980 psi)
Swing circuit	27.7 MPa (282 kgf/cm2, 4 010 psi)
Travel circuit	34.8 MPa (355 kgf/cm2, 5 050 psi)
Pilot circuit	3.9 MPa (40 kgf/cm ² , 570 psi)
Power boost	36.3 MPa (370 kgf/cm ² , 5 260 psi)

Hydraulic Cylinders

High-strength piston rods and tubes. Cylinder cushion mechanisms provided in boom and arm cylinders to absorb shock 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 (3,54")

Hvdraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in the suction line, and full-flow filters in the return line and swing/travel motor drain lines.



Pilot controls. Hitachi's original shockless valve and guick warm-up system built in the pilot circuit. Hydraulic warm-up control system for engine and hydraulic oil.

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

Operator's Cab

Independent roomy cab, 1 005 mm (40") wide by 1 675 mm (66") high, conforming to ISO* Standards, Reinforced glass windows on 4 sides for visibility. Openable front windows (upper and lower). Adjustable, reclining seat with armrests; movable with or without control levers

* International Standardization Organization

UNDERCARRIAGE

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

Track shoes with triple grousers made of induction-hardened rolled alloy. Flat shoes are also available. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing

Numbers of Rollers and Shoes on Each Side

Upper rollers	2
Lower rollers	
	9 : ZAXIS270LC
Track shoes	45 : ZAXIS270
	48 : ZAXIS270LC
Track guard	1

Traction Device

Each track driven by 2-speed axial piston motor through planetary reduction gear for counterrotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type. Travel shockless relief valve built in travel motor absorbs shocks when stopping travel. Automatic transmission system: High-Low.

Travel speeds	High: 0 to 4.9 km/h (3.0	mph)
	Low: 0 to 2.9 km/h (1.8	mph)
Maximum traction force	246 kN (25 100 kgf, 55 3	00 lbf)
Gradeability	35° (70%) conti	nuous

WEIGHTS AND GROUND PRESSURE

Equipped with 6.00 m (19'8") boom, 3.10 m (10'2") arm and 1.10 m3 (1.44 yd3: SAE, PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure			
	600 mm	27 000 kg (59 500 lb)	55 kPa (0.56 kgf/cm², 7.96 psi)			
Triple grouser	(24")	27 500 kg (60 600 lb)	52 kPa (0.53 kgf/cm², 7.54 psi)			
Triple	700 mm	27 600 kg (60 800 lb)	48 kPa (0.49 kgf/cm², 6.97 psi)			
grouser	(28")	28 100 kg (61 900 lb)	45 kPa (0.46 kgf/cm², 6.54 psi)			
	800 mm	28 000 kg (61 700 lb)	42 kPa (0.43 kgf/cm², 6.11 psi)			
	(31")	28 500 kg (62 800 lb)	40 kPa (0.41 kgf/cm², 5.83 psi)			
Flat	600 mm	27 900 kg (61 500 lb)	56 kPa (0.57 kgf/cm², 8.11 psi)			
riai	(24")	28 500 kg (62 800 lb)	53 kPa (0.54 kgf/cm², 7.68 psi)			

Figures in are data on the ZAXIS270LC.

Weights of the basic machines [including 6 100 kg (13 400 lb) counterweight and triple grouser shoes, excluding front-end attachment, fuel, hydraulic oil, engine oil and coolant etc.] are:

ZAXIS27021 100 kg (46 500 lb) with 600 mm (24") shoes ZAXIS270LC 21 600 kg (47 600 lb) with 600 mm (24") shoes



SERVICE REFILL CAPACITIES

Fuel tank	liters	US gal	Imp gal
	380.0	100.0	83.6
	23.0	6.1	5.1
	25.0	6.6	5.5
	17	4.5	3.7
	9.2	2.4	2.0
Hydraulic system	307.0	81.1	67.5
Hydraulic tank	148.0	39.1	32.6



BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 6.00 m (19'8") 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

Our of the Marketine						Recommendation									
Capacity		W	/idth	No. of	Weight		ZAXIS270		ZAXIS270LC						
SAE, PCSA heaped	CECE heaped	Without side cutters	With side cutters	teeth	gm	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				
1.00 m ³ (1.31 yd ³)	0.90 m ³	1 160 mm (3'10")	1 290 mm (4'3")	5	870 kg (1 920 lb)	0	0	0	0	0	0				
1.10 m ³ (1.44 yd ³)	1.00 m ³	1 220 mm (4'0")	1 340 mm (4'5")	5	930 kg (2 050 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	1 030 kg (2 270 lb)	0	0	_	0	0					
1.62 m ³ (2.12 yd ³)	1.40 m ³	1 640 mm (5'5")	_	5	1 030 kg (2 270 lb)			_			_				
*1 1.10 m3 (1.44 yd3)	1,00 m ³	1 220 mm (4'0")	1 340 mm (4'5")	5	1 070 kg (2 360 lb)	0	0	0	0	0	0				
*1 1.39 m3 (1.82 yd3)	1.20 m ³	1 440 mm (4'9")	1 560 mm (5'1")	5	1 190 kg (2 620 lb)	0	0	_	0	0					
*2 0.92 m3 (1.20 yd3)	0.80 m ³	1 160 mm (3'10")	1 210 mm (4'0")	5	1 000 kg (2 200 lb)	•	•	0	•	•	0				
*3 0.80 m3 (1.05 yd3)	0.70 m ³	1 000 mm (3'3") —		3	1 220 kg (2 690 lb)	•	•	_	•	•	_				
One-point ripper				-1	680 kg (1 500 lb)	•	•	_	•	•	_				
Clamshell bucket: 0.80	0 m ³ (1.05 yd ³ :	CECE heaped), Wi	dth 975 mm (3'2")	9	1 360 kg (3 000 lb)	0	0	-	0	0	_				

- *1 Reinforced bucket
- *2 Rock bucket *3 Ripper bucket
- Suitable for materials with density of 1 800 kg/m³ (3 030 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

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

METRIC MEASURE

ZAXIS270

gr

grees 🗒 Rating over-front Unit: 1 000 kg

			Load radius										۸+ ۲	At max, reach				
Conditions	Load point	4	m	5	m	6	m	7	m	8	m	9	m	10	m	Att	iiax. ie	acii
	height	(ط		ط	ð	ů		ط	(ط		Ů		ů		ط	meter
	6 m							*5.24	*5.24							3.43	*4.04	8 944
Arm 2.40 m Bucket	4 m			*7.77	*7.77	*6.64	*6.64	5.15	*6.01	4.07	*5.68					2.90	*4.12	9 569
SAE, PCSA :	2 m					6.07	*8.65	4.79	7.20	3.85	5.80	3.13	4.76			2.74	4.20	9 681
1.10 m ³ CECE: 1.00 m ³	0 (Ground)			7.54	11.9	5.72	8.82	4.53	6.91	3.67	5.61					2.88	4.43	9 302
Shoe 600 mm	-2 m	*11.0	*11.0	7.55	11.9	5.65	8.74	4.45	6.83	3.63	5.56					3.46	5.28	8 353
	- 4 m	11.3	*12.9	7.75	*10.9	5.80	8.91	4.61	7.00									

								Load	radius							At max, reach			
Conditions	Load point 4 m		5 m		6	6 m		7 m		8 m		9 m		m	71t max. readin				
	height		Ů		ů	3	Ů	$\mathring{\mathbb{D}}$	Ů		ط		ů		Ш		ط	meter	
Arm 3.10 m Bucket	6 m									4.28	*4.42					*2.40	*2.40	9 647	
	4 m					*5.78	*5.78	5.24	*5.34	4.13	*5.08	3.29	*4.41			*2.45	*2.45	10 222	
SAE, PCSA :	2 m			8.18	*9.96	6.19	*7.89	4.85	*6.71	3.88	5.83	3.14	4.77			2.41	*2.66	10 326	
1.10 m ³ CECE: 1.00 m ³	0 (Ground)			7.58	12.0	5.74	8.86	4.53	6.93	3.66	5.60	3.00	4.62			2.51	*3.05	9 975	
Shoe 600 mm	-2 m	10.8	*12.4	7.45	11.8	5.58	8.68	4.39	6.77	3.56	5.49	2.95	4.57			2.93	*3.81	9 109	
31106 000 111111	- 4 m	11.1	*14.2	7.58	*11.6	5.65	8.76	4.44	6.83							4.15	*5.48	7 512	

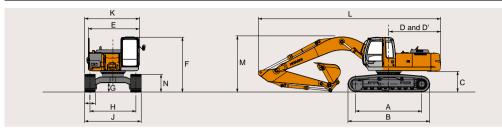
								Load	radius							At max, reach		
Conditions	Load point	4 m		5 m		6 m		7 m		8 m		9 m		10 m				
Conditions	height		Ů		Ů		ů		ů		Ů		Ů		ů		ů	meter
	6 m									*3.95	*3.95	*2.78	*2.78			*1.90	*1.90	10 254
Arm 3.75 m	4 m							*4.68	*4.68	4.20	*4.53	3.34	*4.32			*1.95	*1.95	10 793
Bucket	2 m	11.9	*12.1	8.45	*8.78	6.34	*7.11	4.93	*6.13	3.92	*5.51	3.16	4.80	2.56	*3.55	*2.12	*2.12	10 890
SAE, PCSA: 1.10 m ³	0 (Ground)	*7.50	*7.50	7.66	*11.5	5.80	8.92	4.55	6.96	3.66	5.61	2.98	4.61	2.46	*3.74	2.22	*2.46	10 561
CECE: 1.00 m ³	-2 m	10.7	*11.8	7.40	11.8	5.55	8.65	4.35	6.74	3.51	5.44	2.89	4.51			2.55	*3.08	9 756
Shoe 600 mm	- 4 m	10.9	*15.0	7.44	11.8	5.54	8.64	4.34	6.73	3.52	5.45					3.42	*4.39	8 309
	-6 m	11.3	*12.0	7.75	*9.82	5.79	*8.01											

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

 2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.

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

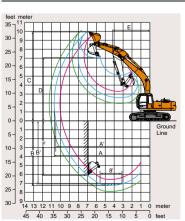
 4. *Indicates load limited by hydraulic capacity.



				Unit: mm (ft in)
		ZAXIS270	ZAXIS270LC	
Α	Distance between tumblers	3 730 (12'3")	4 050 (13'3")	
В	Undercarriage length	4 640 (15'3")	4 940 (16'2")	
*C	Counterweight clearance	1 180 (3'10")	1 180 (3'10")	
D	Rear-end swing radius	2 940 (9'8")	2 940 (9'8")	
D,	Rear-end length	2 930 (9'7")	2 930 (9'7")	
Е	Overall width of upperstructure	2 890 (9'6")	2 890 (9'6")	
F	Overall height of cab	3 110 (10'2")	3 110 (10'2")	
*G	Min. ground clearance	510 (1'8")	510 (1'8")	
Н	Track gauge	2 590 (8'6")	2 590 (8'6")	
- 1	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	10 340 (33'11")	10 340 (33'11")	
М	Overall height of boom			
	With 2.40 m (7'10") arm	3 420 (11'3")	3 420 (11'3")	
	With 3.10 m (10'2") arm	3 170 (10'5")	3 170 (10'5")	
	With 3.75 m (12'4") arm	3 350 (11'0")	3 350 (11'0")	
N	Track height			
	With triple grouser shoes	1 000 (3'3")	1 000 (3'3")	

^{*} Excluding track shoe lug. G: Triple grouser shoe

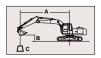
WORKING RANGES



				Unit: mm (ft in)					
			ZAXIS270 / ZAXIS270LC						
А	rm 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")	11 270 (37'0")					
A' Max. o (on gr	digging reach ound)	9 860 (32'4")	10 520 (34'6")	11 090 (36'5")					
B Max.	digging depth	6 540 (21'5")	7 230 (23'9")	7 880 (25'10")					
B' Max. o (8' lev	digging depth el)	6 320 (20'9")	7 050 (23'2")	7 720 (25'4")					
C Max. o	cutting height	9 640 (31'8")	9 980 (32'9")	10 150 (33'4")					
D Max.	dumping height	6 750 (22'2")	7 070 (23'2")	7 250 (23'9")					
E Min. s	wing radius	4 310 (14'2")	4 410 (13'7")	4 120 (13'6")					
F Max.	vertical wall	5 280 (17'4")	6 110 (20'1")	6 660 (21'10")					
Bucket	ISO	193 kN (19 700 kgf , 43 400 lbf)							
digging force*	SAE : PCSA		167 kN (17 000 kgf , 37 500 lbf)						
Arm	ISO	153 kN (15 600 kgf, 34 400 lbf)	121 kN (12 300 kgf, 27 100 lbf)	105 kN (10 800 kgf, 23 800 lbf)					
force*	SAE : PCSA	147 kN (15 000 kgf, 33 100 lbf)	116 kN (11 800 kgf, 26 000 lbf)	102 kN (10 400 kgf, 22 900 lbf)					

Excluding track shoe lug * At power boost





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

METRIC MEASURE

ZAXIS270LC

Rating over-side or 360 degrees	Rating over-front	Unit: 1 000 kg
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		Load radius											At max, reach					
Conditions	Load point	4 m		5 m		6 m		7 m		8 m		9 m		10 m		At max. reach		
Conditions	height		Ů		Ů		Ů		Ů		Ů		Ů		Ů	@	Ů	meter
	6 m							*5.24	*5.24							3.51	*4.04	8 944
Arm 2.40 m Bucket	4 m			*7.77	*7.77	*6.64	*6.64	5.26	*6.01	4.16	*5.68					2.98	*4.12	9 569
SAE, PCSA :	2 m					6.20	*8.65	4.90	*7.28	3.94	*6.45	3.21	5.48			2.82	*4.44	9 681
1.10 m ³ CECE: 1.00 m ³ Shoe 600 mm	0 (Ground)			7.71	*12.6	5.85	*9.98	4.64	7.99	3.77	6.47					2.96	*5.07	9 302
	-2 m	*11.0	*11.0	7.72	*12.3	5.78	10.2	4.56	7.91	3.72	6.42					3.55	6.08	8 353
	-4 m	11.5	*12.9	7.92	*10.9	5.93	*9.06	4.72	*7.40									

		Load radius														Λ+ r	At max, reach		
Conditions	Load point	4 m		5 m		6 m		7 m		8 m		9 m		10 m		At Illax. Teach			
Conditions	height		ů		ů		ů	@	Ů	$\mathring{\mathbb{D}}$	Ш		Ů		ů	@	Ш	meter	
	6 m									4.37	*4.42					*2.40	*2.40	9 647	
Arm 3.10 m Bucket	4 m					*5.78	*5.78	*5.34	*5.34	4.22	*5.08	3.37	*4.41			*2.45	*2.45	10 222	
SAE, PCSA:	2 m			8.35	*9.96	6.33	*7.89	4.96	*6.71	3.97	*5.98	3.22	5.49			2.48	*2.66	10 326	
1.10 m ³ CECE: 1.00 m ³ Shoe 600 mm	0 (Ground)			7.75	*12.1	5.88	*9.55	4.64	*7.92	3.75	6.46	3.08	5.34			2.58	*3.05	9 975	
	-2 m	11.1	*12.4	7.62	*12.5	5.72	10.1	4.50	7.85	3.65	6.35	3.03	*4.86			3.01	*3.81	9 109	
	-4 m	11.3	*14.2	7.75	*11.6	5.79	*9.58	4.56	7.91							4.25	*5.48	7 512	

		Load radius											At max, reach					
Conditions	Load point	4 m		5 m		6 m		7 m		8 m		9 m		10 m		At Illax. Teach		
Conditions	height	@	ů		ů		ů	@	Ů		ů		ů		ů		Ů	meter
	6 m									*3.95	*3.95	*2.78	*2.78			*1.90	*1.90	10 254
Arm 3.75 m	4 m							*4.68	*4.68	4.29	*4.53	3.42	*4.32			*1.95	*1.95	10 793
Bucket	2 m	*12.1	*12.1	8.62	*8.78	6.47	*7.11	5.04	*6.13	4.01	*5.51	3.24	*5.10	2.64	*3.55	*2.12	*2.12	10 890
SAE, PCSA: 1.10 m ³	0 (Ground)	*7.50	*7.50	7.83	*11.5	5.93	*9.04	4.67	*7.51	3.75	6.47	3.07	5.33	2.53	*3.74	2.29	*2.46	10 561
CECE: 1.00 m ³	-2 m	10.9	*11.8	7.57	*12.4	5.68	*10.0	4.46	7.82	3.60	6.31	2.97	5.22			2.62	*3.08	9 756
Shoe 600 mm	-4 m	11.1	*15.0	7.61	*12.0	5.68	*9.85	4.45	7.80	3.61	6.31					3.51	*4.39	8 309
	-6 m	11.5	*12.0	7.92	*9.82	5.93	*8.01											

Notes: 1 Ratings are based on SAF I1097

2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% 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.

≦ 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 fuel filter
- Air cleaner double filters · Radiator and oil cooler with dust protective net
- Radiator reserve tank
- · Fan guard
- · Isolation-mounted engine
- · Auto-idle system
- · Auto acceleration system

HYDRAULIC SYSTEM

- Work mode selector
- · Engine speed sensing system
- E-P control system · Power boost
- · Auto power lift
- · 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

CRES (Center pillar Reinforced Structure) cab OPG top guard fitted level I

- (ISO) compliant cab. · All-weather sound-suppressed
- steel cab · Reinforced, tinted (bronze color)
- glass windows 4 fluid-filled elastic mounts
- · Openable front windows-upper, and lower and left side windows
- · Intermittent windshield retractable wipers
- · Front window washer
- · Adjustable reclining seat with adjustable armrests
- Footrest
- · Electric double horn
- · AM FM radio with digital clock
- · Auto-idle / acceleration selector
- Seat belt Drink holder
- · Cigar lighter
- Ashtray
- Storage box
- Glove compartment
- Floor mat Heater
- · Pilot control shut-off lever
- Engine stop knob

MONITOR SYSTEM

- Hourmeter and trip-meter, engine coolant temperature gauge and fuel gauge
- · Warning lamps:
- Alternator charge, engine oil pressure, engine overheat, air filter restriction and minimum fuel level.
- · Pilot lamps
- Engine preheat, work light, auto- FRONT ATTACHMENTS idle, auto-acceleration, digging mode and attachment mode.
- Alarm buzzers:
- Engine oil pressure and engine overheat

LIGHTS

2 working lights

UPPERSTRUCTURE

- · Undercover
- · 6 100 kg (13 400 lb) counterweight
- · Fuel level float
- · Hydraulic oil level gauge
- Tool box
- · Utility space
- · Rearview mirror (right & left side)
- 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
- · 600 mm (24") triple grouser shoes

- HN bushing
- · WC thermal spraying
- · Reinforced resin thrust plate
- Flanged pin
- · Bucket clearance adjust mechanism
- · Monolithically cast bucket link A

- 1.10 m³ (1.44 yd³: SAE, PCSA heaped) bucket

- · Skid-resistant tapes, plates and

■ OPTIONAL EQUIPMENT

- · Auto control air conditioner
- · Suspension seat
- Hose rupture valves
- · Electric fuel refilling pump
- · Swing motion alarm device with lamps
- Travel motion alarm device
- · Additional pump
- · Transparent roof

- · Pre-cleaner
- · Fuel double filters
- · Tropical cover
- · Large-capacity battery
- · Auto-lubrication system
- Attachment basic piping
- · Accessories for breaker & crusher
- · Accessories for 2 speed selector
- 400 kg (880 lb) added heavier counterweight

- · Track guard (3 units each side)
- · Rear light

- Dirt seal on all bucket pins
- · 3.10 m (10'2") arm
- **MISCELLANEOUS**

· Standard tool kit

- · Lockable machine covers
- · Lockable fuel filling cap
- handrails.
- · Travel direction mark on track frame

- - Accessories for breaker

- · Front glass lower guard
- · Front glass upper guard
- Full track guard
- · Additional light (on the top of Cab)



@Hitachi Construction Machinery Co., Ltd.

Head Office: 5-1 Koraku 2-chome, Bunkyo-ku,

Telephone: (03)3830-8050 **Facsimile:** (03)3830-8202

Tokyo 112-8563, Japan

Comparative information based on current Japan domestic model.	
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 feature	es.
Before use, go through Operators Manual for proper operation.	

KS-E381P 03.03 (HP/HP, MT₃)