

ZAXIS225US SERIES

Short-Tail-Swing Version

HITACHI

ZAXIS 225 US

- Engine Rated Power : 110 kW (150 PS)
- Operating Weight ZAXIS225US : 23 000 kg
ZAXIS225USLC : 23 500 kg
- Backhoe Bucket SAE, PCSA Heaped : 0.51—1.20 m³
CECE Heaped : 0.45—1.00 m³



1.68 meter rear-end swing radius
Smaller than 6-ton class

12 % more production
than EX225USR
(in H/P mode)

7 % more stability
than ZAXIS200
Exceeds stability
of 20-ton class

ZAXIS
**TOUGH
TIGHT
SHORT-TAIL-SWING
ZAXIS225US**



High Productivity

A truly high-performance machine

- 1.68 meter rear-end swing radius (70 mm less than ZAXIS70).
- 12% more production (compared to EX225USR).
- 110 kW (150 PS) powerful engine.
- 12% more digging force (compared to EX225USR).
- 12% less fuel consumption during light load operation from auto acceleration system (compared to normal operation).

Lower Maintenance Costs

Reduced maintenance time and expense

- Extended time between bucket joint section lubrication.
- Extended replacement interval for hydraulic oil filter.

US-exclusive CRES Cab

(Corner Reinforced Structure)

Provides excellent operator comfort

- Low noise and vibration in cab.

Lower Running Costs

Stronger structural component design

- Increased wear resistance of bucket joint: WC thermal spraying.
- 40-ton class D-type frame.



Notes : 1. Never leave the front attachment in a raised position. Make sure the front attachment is lowered to the ground before leaving the equipment unattended. (Some of the pictures in this catalog show an unmanned machine with attachments in an operating position. These were taken for demonstration purposes only and the actions shown are not recommended under normal operating conditions.)
2. Caution plates on the machine will vary according to country.
3. Photos include optional equipment.

Improved productivity / Shorter work time

FUTURISTIC POWER

12% increase
in production (in H/P mode)
(compared to EX225USR)



- Urban road construction
- Wrecking
- Rural road construction

Wide Range of Job Applications

Operates in Tight Job Sites

The rear-end swing radius ZAXIS225US is 1 070 mm smaller than the ZAXIS200 and 70 mm smaller than the ZAXIS70. In addition, the minimum front swing radius is 1 240 mm smaller than the ZAXIS200 and 40 mm smaller than the ZAXIS120. These smaller dimensions mean more efficiency in tight job sites.

Large Engine Provides High Efficiency

The powerful engine is equipped with an intercooler to offer outstanding fuel efficiency.

107kW (145ps) ▶ **110kW (150ps)**
EX225USR

Excavating Power for Tough Job Sites

134 kN (13 700 kgf) ▶ **151 kN (15 400 kgf)**
EX225USR at power boost

More Stability than ZAXIS200 - Can be Used in a Wide Range of Job Sites

The counterweight was specially designed for the US model.

7% more stability than ZAXIS200

Travel and Swing Power You Can Depend On



5% more travel power than EX225USR

7% more swing power than EX225USR

Auto Power Lift Increases Power on Demand

Loads are increased during lifting operations and the auto power lift function automatically provides a 6% increase in power to meet the demand.

6% increase in power automatically

All Excavating Operations in a Single Mode

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

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.

12% less fuel consumption than normal operation



Comfort

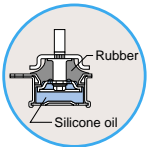
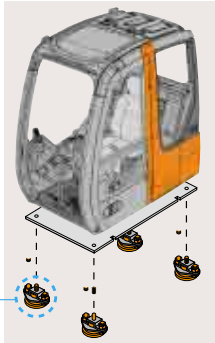
FUTURISTIC SPACE CREATES COMFORT



US-Exclusive CRES Cab (CRES: Corner Reinforced Structure)

Comfort Increased to Reduce Operator Fatigue

A reinforced track X-frame, 40-ton class D-type frame and strong cab bed work together with the silicone-filled rubber cushions to reduce noise and vibration. Lower noise and vibration contribute to less operator 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.



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



One-Glance Monitor Panel



Well-Positioned Levers and Switches



Easy lock front window latch



Slide window



Storage box



Drink holder

SAFETY

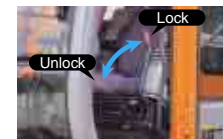
Corner Reinforced Structure (CRES) Cab

* The CRES cab meets OPG top guard level 1 (ISO).

This cab structure is formed from strong steel pipes to help it withstand external forces.



Red sections show reinforced areas.



Pilot-control shut-off lever



Seat belt



Left side rearview mirror



Right side rearview mirror

Easy maintenance and high durability

FUTURISTIC
FUNCTIONS
KEEP
K COSTS DOWN

Lower running costs



- 1 New arm design with thicker steel
- 2 Bucket joint pins lubricated through bosses
- 3 WC thermal spraying for arm and bucket joint sections
- 4 New HN bushing used for front sections
- 5 Flanged pin is used for the boom/arm joint sections and the boom foot section
- 6 Increased pin diameter of boom cylinder rod and boom and arm joints
- 7 Reinforcing rib for door covers
- 8 40-ton class D-type frame
- 9 Increased rigidity of the track frame
- 10 Reinforced resin thrust plates used for front sections



WC (Tungsten Carbide) Thermal Spraying

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



New HN Bushing Used

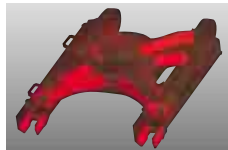
A special grease groove is used to enhance grease retention inside the HN bushing.

Time between lubrication extended to **500 hours**

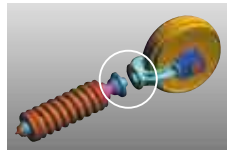


Reinforced Resin Thrust Plates

Increased wear resistance helps prevent squeaking.



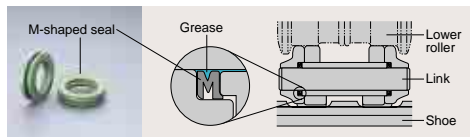
Reinforced track frame sections (shown in red)



Insertion type idler yoke

Rigid Undercarriage

Strong undercarriage section for increased durability. Designed for tough job sites.



Longer Track Link Service Life

The M-shaped track link seal is used to enhance grease retention.

■ Equipment Operation Status Report

Onboard ICX
(Information Controller)

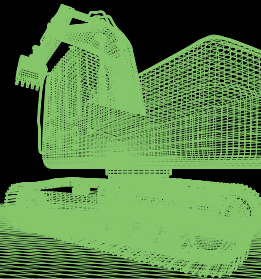
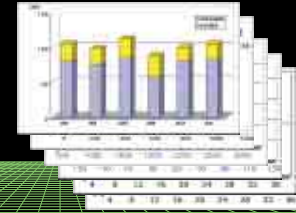
PC

Z A X I S
INFORMATION
TECHNOLOGY
SUPPORT

Providing the data for making the right decisions.

Information Services for Equipment

- Operation record
- Error record
- Alarm record
- Frequency distribution
- Radiator coolant / hydraulic temperature etc. and others.



Smart Saving Advanced technology helps reduce maintenance costs

500 Hours Between Lubrication for Bucket Joint Section and Front Sections (Compared to EX225USR)

The use of the new HN bushing and WC thermal spraying process have helped dramatically increase the time between lubrication. (See the Operators Manual)

5x longer for bucket section

2x longer for front sections

* Estimated values. The actual time between lubrication will vary according to actual work conditions.



Undercarriage Designed for Easy Mud Removal



Tool Box Space

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.

1 000 hours between hydraulic oil filter replacement



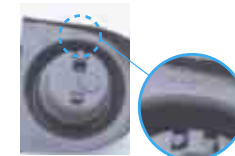
Oil pan Engine oil filter

Easy-to-change Oil Filter

Can be changed from ground level.

* Picture shows arrangement as viewed from ground level looking up.

Environmentally Friendly



Labeled Plastic Parts

The plastic parts indicate the type of plastic used to help speed recycling.

Lead-Free Wiring

Aluminium Radiator and Oil Cooler

ENGINE

Model Isuzu AA-6BG1T
 Type 4-cycle water-cooled, direct injection
 Aspiration Turbocharged, intercooled
 No. of cylinders 6
 Rated power
 DIN 6271, net H/P mode : 110 kW (150 PS) at 2 100 min⁻¹ (rpm)
 P mode : 103 kW (140 PS) at 1 900 min⁻¹ (rpm)
 SAE J1349, net H/P mode : 108 kW (147 hp) at 2 100 min⁻¹ (rpm)
 P mode : 101 kW (137 hp) at 1 900 min⁻¹ (rpm)
 Maximum torque 550 N·m (56 kgf·m, 405 lbf·ft)
 at 1 600 min⁻¹ (rpm)
 Piston Displacement 6.494 L (396 in³)
 Bore and stroke 105 mm x 125 mm (4.13" x 4.92")
 Batteries 2 x 12 V / 97 AH
 Governor Mechanical speed control with stepping motor

HYDRAULIC SYSTEM

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

Main pumps 2 variable displacement axial piston pumps
 Maximum oil flow 2 x 194 L/min (51.3 US gpm, 42.7 Imp gpm)
 Pilot pump 1 gear pump
 Max. oil flow 32 L/min (8.5 US gpm, 7.0 Imp gpm)

Hydraulic Motors

Travel 2 variable displacement axial piston motors
 Swing 1 axial piston motor

Relief Valve Settings

Implement circuit 34.3 MPa (350 kgf/cm², 4 980 psi)
 Swing circuit 30.4 MPa (310 kgf/cm², 4 410 psi)
 Travel circuit 34.3 MPa (350 kgf/cm², 4 980 psi)
 Pilot circuit 3.9 MPa (40 kgf/cm², 570 psi)
 Power boost 36.3 MPa (370 kgf/cm², 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	120 mm (4.72")	85 mm (3.35")
Arm	1	135 mm (5.31")	95 mm (3.74")
Bucket	1	115 mm (4.53")	80 mm (3.15")

Hydraulic 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.

CONTROLS

Pilot controls. Hitachi's original shockless valve and quick warm-up system built in the pilot circuit. Hydraulic warm-up control system for 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 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 13.3 min⁻¹ (rpm)

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

Tracks

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 and triangular shoes are also available. Heat-treated connecting pins with dust seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

Upper rollers 2
 Lower rollers 7: ZAXIS225US
 8: ZAXIS225USLC
 Track shoes 46: ZAXIS225US
 49: ZAXIS225USLC
 Track guard 1: ZAXIS225US
 1: ZAXIS225USLC

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 5.3 km/h (3.3 mph)
 Low: 0 to 3.3 km/h (2.1 mph)

Maximum traction force 200 kN (20 400 kgf, 45 000 lbf)
 Gradeability 35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

Equipped with 5.68 m (18'8") boom, 2.91 m (9'7") arm and 0.80 m³ (1.05 yd³: SAE, PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	23 000 kg (50 700 lb)	52 kPa (0.53 kgf/cm ² , 7.54 psi)
		23 500 kg (51 800 lb)	49 kPa (0.50 kgf/cm ² , 7.11 psi)
	700 mm (28")	23 400 kg (51 600 lb)	45 kPa (0.46 kgf/cm ² , 6.54 psi)
		23 900 kg (52 700 lb)	42 kPa (0.43 kgf/cm ² , 6.11 psi)
	800 mm (31")	23 700 kg (52 300 lb)	40 kPa (0.41 kgf/cm ² , 5.83 psi)
		24 200 kg (53 400 lb)	37 kPa (0.38 kgf/cm ² , 5.40 psi)
Flat	600 mm (24")	23 800 kg (52 500 lb)	53 kPa (0.54 kgf/cm ² , 7.68 psi)
		24 300 kg (53 600 lb)	50 kPa (0.51 kgf/cm ² , 7.25 psi)
	Triangular	760 mm (30")	24 000 kg (52 900 lb)
24 500 kg (54 000 lb)			39 kPa (0.40 kgf/cm ² , 5.69 psi)
900 mm (35")		25 000 kg (55 100 lb)	37 kPa (0.38 kgf/cm ² , 5.40 psi)
		25 600 kg (56 400 lb)	35 kPa (0.36 kgf/cm ² , 5.12 psi)

Figures in [] are data on the ZAXIS225USLC.

Weights of the basic machines [including 7 600 kg (16 800 lb), counterweight and triple grouser shoes, excluding front-end attachment, fuel, hydraulic oil, engine oil and coolant etc.] are:

ZAXIS225US 18 800 kg (41 400 lb) with 600 mm (24") shoes
 ZAXIS225USLC 19 300 kg (42 500 lb) with 600 mm (24") shoes

Buckets

Capacity		Width		No. of teeth	Weight	Recommendation					
SAE, PCSA heaped	CECE heaped	Without side cutters	With side cutters			ZAXIS225US			ZAXIS225USLC		
				2.22 m (7'3") arm	2.91 m (9'7") arm	4.41 m ⁶ (14'6") arm	2.22 m (7'3") arm	2.91 m (9'7") arm	4.41 m ⁶ (14'6") arm		
0.51 m ³ (0.67 yd ³)	0.45 m ³	720 mm (28")	850 mm (33")	3	530 kg (1 170 lb)	⊙	⊙	○	⊙	⊙	○
0.80 m ³ (1.05 yd ³)	0.70 m ³	1 030 mm (41")	1 140 mm (45")	5	670 kg (1 480 lb)	⊙	⊙	—	⊙	⊙	—
*0.80 m ³ (1.05 yd ³)	0.70 m ³	1 030 mm (41")	1 140 mm (45")	5	670 kg (1 480 lb)	⊙	⊙ ¹	—	⊙	⊙	—
0.91 m ³ (1.19 yd ³)	0.80 m ³	1 150 mm (45")	1 280 mm (50")	5	720 kg (1 590 lb)	⊙	○	—	⊙	⊙	—
1.10 m ³ (1.44 yd ³)	0.90 m ³	1 330 mm (52")	1 460 mm (58")	6	780 kg (1 720 lb)	□	—	—	□	○	—
1.20 m ³ (1.57 yd ³)	1.00 m ³	1 450 mm (57")	—	6	690 kg (1 520 lb)	□	—	—	□	—	—
*1 0.80 m ³ (1.05 yd ³)	0.70 m ³	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	⊙	⊙	—	⊙	⊙	—
**0.80 m ³ (1.05 yd ³)	0.70 m ³	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	⊙	⊙	—	⊙	⊙	—
**0.80 m ³ (1.05 yd ³)	0.70 m ³	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	⊙	⊙	—	⊙	⊙	—
**0.80 m ³ (1.05 yd ³)	0.70 m ³	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	⊙	⊙	—	⊙	⊙	—
**0.80 m ³ (1.05 yd ³)	0.70 m ³	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	⊙	⊙	—	⊙	⊙	—
*1 0.91 m ³ (1.19 yd ³)	0.80 m ³	1 150 mm (45")	1 280 mm (50")	5	830 kg (1 830 lb)	⊙	○	—	⊙	⊙	—
Ripper bucket: 0.60 m ³ (0.78 yd ³ : CECE heaped), Width 800 mm (31")				3	950 kg (2 090 lb)	●	—	—	●	—	—
One-point ripper				1	540 kg (1 190 lb)	●	—	—	●	—	—
Slope-finishing blade: Width 1 100 mm (43"), length 1 800 mm (71")					590 kg (1 300 lb)	◇	◇	—	◇	◇	—

* Level-pin-type bucket

** Reinforced bucket

** Level-pin-type reinforced bucket

** Super V teeth type reinforced bucket

** H-bucket

** 2.91 m (9'7") arm + 1.50 m (4'11") extension arm

⊙ 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

◇ Slope-finishing service

— Not applicable

SERVICE REFILL CAPACITIES

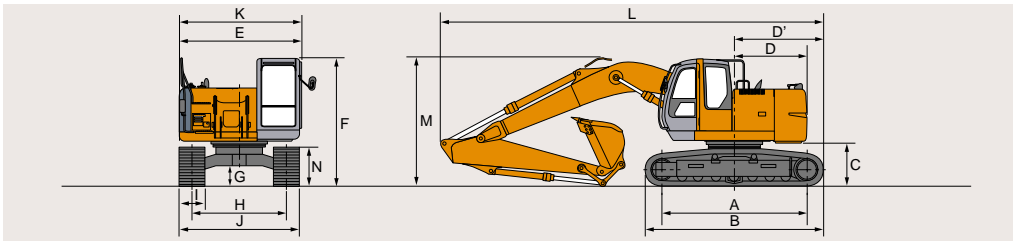
	liters	US gal	Imp gal
Fuel tank.....	270.0	71.3	59.4
Engine coolant.....	23.0	6.1	5.1
Engine oil.....	25.0	6.6	5.5
Swing mechanism.....	6.2	1.6	1.4
Travel final device.....	7.2	1.9	1.6
(each side)			
Hydraulic system.....	200.0	52.8	44.0
Hydraulic oil tank.....	128.0	33.8	28.2

BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 5.68 m (18'8") boom, and 2.22 m (7'3"), 2.91 m (9'7") and 4.41 m (14'6") arms are available. Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

* 2.91 m (9'7") arm + 1.50 m (4'11") extension arm

DIMENSIONS

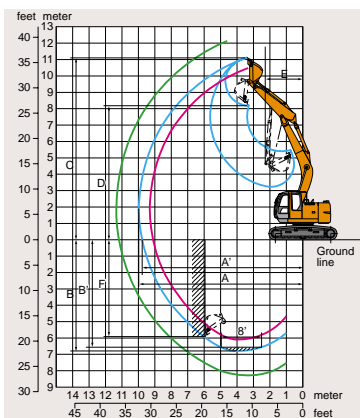


Unit: mm (ft in)

	ZAXIS225US	ZAXIS225USLC
A Distance between tumbler	3 370 (11'1")	3 660 (12'0")
B Undercarriage length	4 170 (13'8")	4 460 (14'8")
*C Counterweight clearance	1 005 (3'4")	1 005 (3'4")
D Rear-end swing radius	1 680 (5'6")	1 680 (5'6")
D' Rear-end length	1 680 (5'6")	1 680 (5'6")
E Overall width of upperstructure	2 810 (9'3")	2 810 (9'3")
F Overall height of cab	2 950 (9'8")	2 950 (9'8")
*G Min. ground clearance	450 (1'6")	450 (1'6")
H Track gauge	2 200 (7'3")	2 390 (7'10")
I Track shoe width	G 600 (24")	G 600 (24")
J Undercarriage width	2 800 (9'2")	2 990 (9'10")
K Overall width	2 810 (9'3")	2 990 (9'10")
L Overall length		
With 2.22 m (7'3") arm	9 040 (29'8")	9 180 (30'1")
With 2.91 m (9'7") arm	8 920 (29'3")	9 060 (29'9")
With 4.41 m (14'6") arm	9 000 (29'6")	9 140 (30'0")
M Overall height of boom		
With 2.22 m (7'3") arm	3 160 (10'4")	3 160 (10'4")
With 2.91 m (9'7") arm	2 990 (9'10")	2 990 (9'10")
With 4.41 m (14'6") arm	3 430 (11'3")	3 430 (11'3")
N Track height		
With triple grouser shoes	920 (3'0")	920 (3'0")

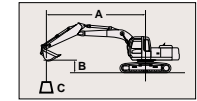
* Excluding track shoe lug. G: Triple grouser shoe

WORKING RANGES



	ZAXIS225US / ZAXIS225USLC		
Arm length	2.22 m (7'3")	2.91 m (7'3")	4.41 m (14'6")*
A Max. digging reach	9 350 (30'8")	10 010 (32'10")	11 370 (37'4")
A' Max. digging reach (on ground)	9 140 (30'0")	9 810 (32'2")	11 200 (36'5")
B Max. digging depth	6 100 (20'0")	6 790 (22'3")	8 290 (27'2")
B' Max. digging depth (8' level)	5 820 (19'1")	6 570 (21'7")	8 100 (26'7")
C Max. cutting height	10 550 (34'7")	11 100 (36'5")	12 100 (39'8")
D Max. dumping height	7 640 (25'1")	8 190 (26'10")	9 190 (30'2")
E Min. swing radius	2 590 (8'6")	2 300 (7'7")	2 540 (8'4")
F Max. vertical wall	5 000 (16'5")	5 920 (19'5")	7 350 (24'11")
Bucket digging force**	151 kN (15 400 kgf, 34 000 lbf)		
SAE : PCSA	129 kN (13 200 kgf, 29 1000 lbf)		
Arm crowd force**	136 kN (13 900 kgf, 30 600 lbf)		
SAE : PCSA	109 kN (11 100 kgf, 24 500 lbf)		
	80 kN (8 200 kgf, 17 900 lbf)		
	131 kN (13 400 kgf, 29 500 lbf)		
	102 kN (10 400 kgf, 22 900 lbf)		
	78 kN (8 000 kgf, 17 500 lbf)		

Excluding track shoe lug * 2.91 m (9'6") arm + 1.50 m (4'11") extension arm ** At power boost



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

METRIC MEASURE

ZAXIS225US

Rating over-side or 360 degrees Rating over-front Unit: 1 000 kg

Conditions	Load point height	Load radius								At max. reach						
		3 m		4 m		5 m		6 m		7 m		8 m		meter		
Boom 5.68 m	6 m					*3.88	*3.88	*3.95	*3.95	3.34	*4.01			2.16	*2.38	8.82
Arm 2.91 m	4 m	*6.77	*6.77	*6.23	*6.23	*5.33	*5.33	4.19	*4.79	3.21	*4.45	2.50	4.13	1.79	*2.40	9.50
Bucket	2 m			6.94	*10.0	5.03	*7.58	3.81	*6.14	2.98	4.96	2.36	3.98	1.67	*2.58	9.65
SAE, PCSA : 0.80 m ³	0 (Ground)			6.48	*7.20	4.63	8.09	3.53	6.04	2.78	4.75	2.24	3.85	1.73	*2.96	9.31
CECE : 0.70 m ³	-2 m	*8.27	*8.27	6.48	*11.0	4.54	7.96	3.43	5.93	2.70	4.66	2.20	3.80	2.07	3.57	8.41
Shoe 600 mm	-4 m	*10.9	*10.9	6.66	*8.97	4.65	*7.40	3.51	6.01							

Conditions	Load point height	Load radius								At max. reach						
		3 m		4 m		5 m		6 m		7 m		8 m		meter		
Boom 5.68 m	6 m			*4.89	*4.89	*4.74	*4.74	4.33	*4.66					2.55	*3.91	8.08
Arm 2.22 m	4 m					5.50	*6.21	4.10	*5.41	3.16	*4.95			2.07	3.48	8.82
Bucket	2 m					4.89	*8.32	3.75	6.28	2.95	4.93	2.36	3.98	1.93	3.29	8.99
SAE, PCSA : 0.80 m ³	0 (Ground)					4.62	8.04	3.53	6.03	2.80	4.76	2.27	3.88	2.03	3.47	8.62
CECE : 0.70 m ³	-2 m	*8.53	*8.53	6.61	*10.1	4.62	8.03	3.49	5.99	2.77	4.73			2.50	4.23	7.61
Shoe 600 mm	-4 m	*8.72	*8.72	6.84	*7.69	4.80	*6.49	3.66	*5.14							

ZAXIS225USLC

Unit: 1 000 kg

Conditions	Load point height	Load radius								At max. reach						
		3 m		4 m		5 m		6 m		7 m		8 m		meter		
Boom 5.68 m	6 m					*3.88	*3.88	*3.95	*3.95	3.76	*4.01			*2.38	*2.38	8.82
Arm 2.91 m	4 m	*6.77	*6.77	*6.23	*6.23	*5.33	*5.33	4.71	*4.79	3.62	*4.45	2.85	*4.24	2.07	*2.40	9.50
Bucket	2 m			7.95	*10.0	5.72	*7.58	4.33	*6.14	3.39	*5.27	2.71	4.59	1.93	*2.58	9.65
SAE, PCSA : 0.80 m ³	0 (Ground)			*7.20	*7.20	5.31	*8.92	4.04	7.00	3.19	5.49	2.58	4.45	2.01	*2.96	9.31
CECE : 0.70 m ³	-2 m	*8.27	*8.27	7.47	*11.0	5.22	*8.81	3.94	6.89	3.11	5.41	2.54	4.41	2.39	*3.72	8.41
Shoe 600 mm	-4 m	*10.9	*10.9	7.65	*8.97	5.33	*7.40	4.02	*6.06							

Conditions	Load point height	Load radius								At max. reach						
		3 m		4 m		5 m		6 m		7 m		8 m		meter		
Boom 5.68 m	6 m			*4.89	*4.89	*4.74	*4.74	*4.66	*4.66					2.89	*3.91	8.08
Arm 2.22 m	4 m					6.19	*6.21	4.62	*5.41	3.57	*4.95			2.38	*3.97	8.82
Bucket	2 m					5.58	*8.32	4.27	*6.63	3.36	*5.65	2.70	4.58	2.22	3.80	8.99
SAE, PCSA : 0.80 m ³	0 (Ground)					5.29	*9.09	4.04	7.00	3.21	5.50	2.61	4.48	2.33	4.01	8.62
CECE : 0.70 m ³	-2 m	*8.53	*8.53	7.61	*10.1	5.29	*8.50	4.00	6.95	3.18	5.47			2.86	*4.70	7.61
Shoe 600 mm	-4 m	*8.72	*8.72	*7.69	*7.69	5.48	*6.49	4.17	*5.14							

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.

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
- 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 (Corner Reinforced Structure) cab

- OPG top guard fitted level I (ISO) compliant cab
- All-weather sound-suppressed steel cab
- Tinted (bronze color) glass windows
- 4 fluid-filled elastic mounts
- Openable front windows-upper, and lower and left side windows
- Intermittent windshield 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

- Meters:
 - 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-idle, auto-acceleration, digging mode and attachment mode
- Alarm buzzers:
 - Engine oil pressure and engine overheat

LIGHTS

- 2 working lights

UPPERSTRUCTURE

- Undercover
- 7 600 kg (16 800 lb) counterweight
- Fuel level float
- Hydraulic oil level gauge
- Tool box
- Rearview mirror (right, left side & top of C/W)
- 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

FRONT ATTACHMENTS

- HN bushing
- WC thermal spraying
- Reinforced resin thrust plate
- Flanged pin
- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dust seal on all bucket pins
- 2.91 m (9'7") arm
- 0.80 m³ (1.05 yd³ : SAE, PCSA heaped) bucket

MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- Lockable fuel filling cap
- Skid-resistant tapes, plates and handrails.
- Travel direction mark on track frame
- Onboard ICX

OPTIONAL EQUIPMENT

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

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

- Additional pump
- Fuel double filters
- Air cleaner double filters
- Tropical cover
- Large-capacity battery
- Attachment basic piping

- Accessories for breaker
- Accessories for breaker & crusher
- Accessories for 2 speed selector
- Front glass lower guard
- Front glass upper guard
- 600 mm (24") reinforced triple grouser shoes
- Rear light



at **Zaxis 225US**
Short-Tail-Swing Version
WORK



Note : Photos include optional equipment.

ZAXIS 225US SERIES

Short-Tail-Swing Version

*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 features.
Before use, go through Operators Manual for proper operation.*

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