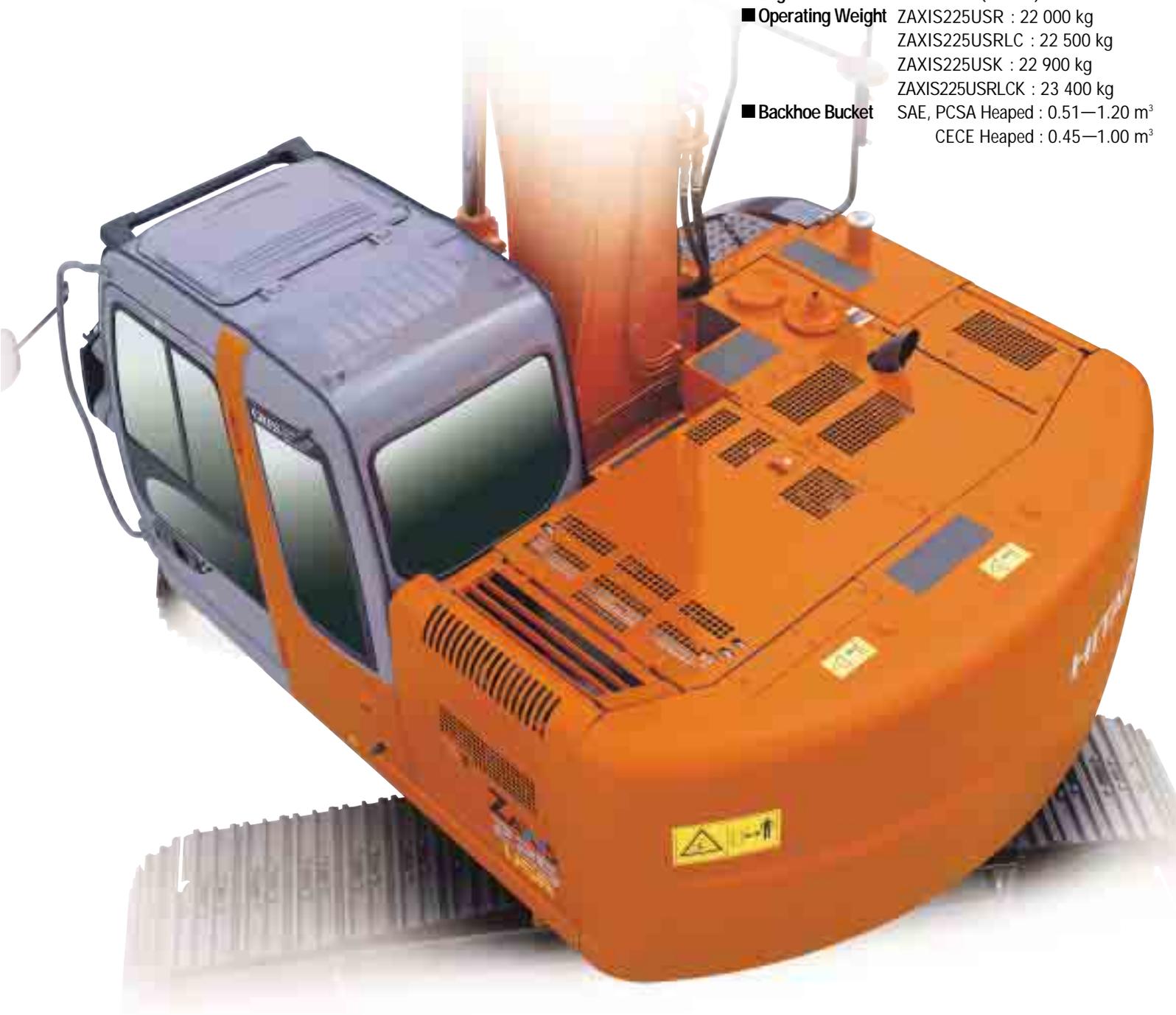


# ZAXIS

## 225

### USR

- Engine Rated Power : 110 kW (150 PS)
- Operating Weight ZAXIS225USR : 22 000 kg  
ZAXIS225USRLC : 22 500 kg  
ZAXIS225USK : 22 900 kg  
ZAXIS225USRLCK : 23 400 kg
- Backhoe Bucket SAE, PCSA Heaped : 0.51—1.20 m<sup>3</sup>  
CECE Heaped : 0.45—1.00 m<sup>3</sup>



**1.99** meter rear-end swing radius  
Smaller than 12-ton class

**13** % more stability  
than ZAXIS200  
Exceeds stability of 20-ton class

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

**ZAXIS**

# FUTURISTIC PERFORMANCE

**High Productivity**

A truly high-performance machine

- 1.99 meter rear-end swing radius (140 mm less than ZAXIS120).
- 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 Running Costs**

Stronger structural component design

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

**Lower Maintenance Costs**

Reduced maintenance time and expense

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

**CRES Cab**

(Center pillar Reinforced Structure)  
Provides Excellent Operator Comfort

- Low noise and vibration in cab.



Building demolition



Ditch construction



Tunnel construction



Retainer wall construction



Road widening construction

Sewer pipe construction

**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.

Improved productivity / Shorter work time

# FUTURISTIC POWER

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

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

The counterweight was specially designed for the USR model.

**13%** more stability than ZAXIS200

## Travel and Swing Power You Can Depend on



**7%** more swing power than EX225USR

**5%** more traction force 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

## 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

## All Excavating Operations in a Single Mode

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



## Operates in Tight Job Sites

A rear-end swing radius that is 760 mm smaller than the ZAXIS200 and 140 mm smaller than the ZAXIS120 makes the ZAXIS225USR suitable for tough jobs in tight spaces.

## Large Provides High Efficiency

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

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

## Excavating Power for Tough Job Sites

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



Comfort

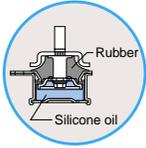
# FUTURISTIC SPACE CREATES COMFORT



## CRES Cab Same as ZAXIS200

### Comfort Increased to Reduce Operator Fatigue

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



One-Glance Monitor Panel



Well-Positioned Levers and Switches

### 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.



Improved downward visibility



Storage box



Lock release lever  
Easy lock front window latch



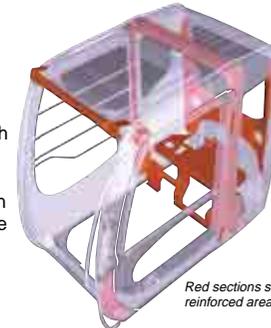
Drink holder

## SAFETY

### CRES Cab (CRES : Center pillar Reinforced Structure)

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

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



Red sections show reinforced areas.



Pilot-control shut-off lever



Retractable seat belt



Left side rearview mirror

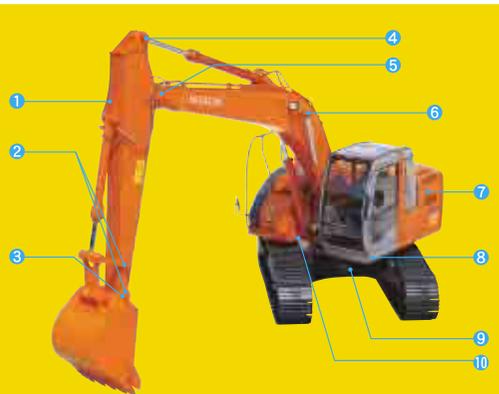


Right side rearview mirror

Easy maintenance and high durability

# FUTURISTIC FUNCTIONS KEEP 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 bosses
- 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

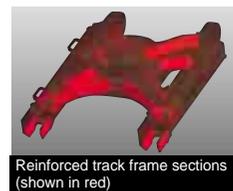
A special grease groove is used to enhance grease retention inside the HN bushing.

Time between lubrication extended to **500 hours**

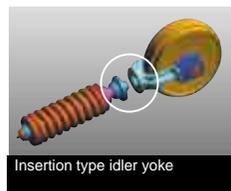


### Reinforced Resin Thrust Plates

Increased wear resistance helps prevent squeaking.



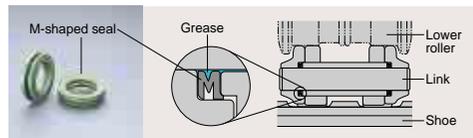
Reinforced track frame sections (shown in red)



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



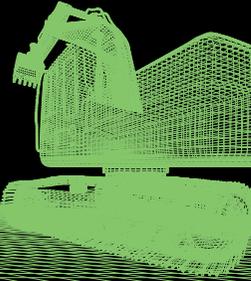
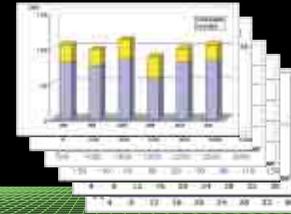
Z A X I S

# 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



## WEIGHTS AND GROUND PRESSURE

Equipped with 5.68 m (18'8") boom, 2.91 m (9'7") arm and 0.80 m<sup>3</sup> (1.05 yd<sup>3</sup>; SAE, PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	22 000 kg (48 500 lb)	49 kPa (0.50 kgf/cm <sup>2</sup> , 7.11 psi)
		22 500 kg (49 600 lb)	47 kPa (0.48 kgf/cm <sup>2</sup> , 6.83 psi)
	700 mm (28")	22 400 kg (49 400 lb)	43 kPa (0.44 kgf/cm <sup>2</sup> , 6.26 psi)
		22 900 kg (50 500 lb)	41 kPa (0.42 kgf/cm <sup>2</sup> , 5.97 psi)
	800 mm (31")	22 700 kg (50 000 lb)	38 kPa (0.39 kgf/cm <sup>2</sup> , 5.55 psi)
		23 200 kg (51 200 lb)	36 kPa (0.37 kgf/cm <sup>2</sup> , 5.26 psi)
Flat	600 mm (24")	22 800 kg (50 300 lb)	51 kPa (0.52 kgf/cm <sup>2</sup> , 7.39 psi)
		23 300 kg (51 400 lb)	48 kPa (0.49 kgf/cm <sup>2</sup> , 6.97 psi)
Triangular	760 mm (30")	23 000 kg (50 700 lb)	40 kPa (0.41 kgf/cm <sup>2</sup> , 5.83 psi)
		23 600 kg (52 000 lb)	38 kPa (0.39 kgf/cm <sup>2</sup> , 5.55 psi)
	900 mm (35")	24 000 kg (52 900 lb)	35 kPa (0.36 kgf/cm <sup>2</sup> , 5.12 psi)
		24 600 kg (54 200 lb)	33 kPa (0.34 kgf/cm <sup>2</sup> , 4.83 psi)

Figures in   are data on the ZAXIS225USRLC.

Weights of the basic machines [including 6 710 kg (14 800 lb), 6 910 kg (15 200 lb) K-type counterweight and triple grouser shoes, excluding front-end attachment, fuel, hydraulic oil, engine oil and coolant etc.] are:

ZAXIS225USR..... 17 800 kg (39 200 lb) with 600 mm (24") shoes  
 ZAXIS225USRLC..... 18 300 kg (40 300 lb) with 600 mm (24") shoes  
 ZAXIS225USRK..... 18 300 kg (40 300 lb) with 600 mm (24") reinforced shoes  
 ZAXIS225USRLCK... 18 800 kg (41 500 lb) with 600 mm (24") reinforced shoes

**ZAXIS225USRK / ZAXIS225USRLCK (Demolition version):**  
 Equipped with 5.68 m (18'8") K-boom with small swing radius bracket, 2.91 m (9'7") K-arm, and 0.80 m<sup>3</sup> (1.05 yd<sup>3</sup>; SAE, PCSA heaped) K-reinforced bucket.

	Shoe width	Operating weight	Ground pressure
ZAXIS225USRK	Reinforced Triple grouser 600 mm (24")	22 900 kg (50 500 lb)	51 kPa (0.52 kgf/cm <sup>2</sup> , 7.39 psi)
ZAXIS225USRLCK		23 400 kg (51 600 lb)	48 kPa (0.49 kgf/cm <sup>2</sup> , 6.97 psi)

## SERVICE REFILL CAPACITIES

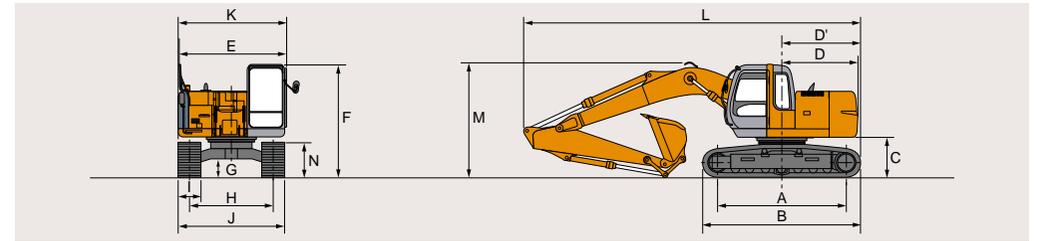
	liters	US gal	Imp gal
Fuel tank.....	320.0	84.5	70.4
Engine coolant.....	23.0	6.1	5.1
Engine oil.....	25.0	6.6	5.5
Swing mechanism.....	6.2	1.6	1.4
Travel final device..... (each side)	7.2	1.9	1.6
Hydraulic system.....	200.0	52.8	44.0
Hydraulic oil tank.....	135.0	35.7	29.7

## 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)

	ZAXIS225USR	ZAXIS225USRLC	ZAXIS225USRK	ZAXIS225USRLCK
A	3 370 (11'1")	3 660 (12'0")		
B	4 170 (13'8")	4 460 (14'8")		
*C	1 020 (3'4")	1 020 (3'4")		
D	1 990 (6'6")	1 990 (6'6")		
D'	2 090 (6'10")	2 230 (7'4")		
E	2 710 (8'11")	2 710 (8'11")		
F	2 950 (9'8")	2 950 (9'8")	3 080 (10'1")	3 080 (10'1")
*G	450 (1'6")	450 (1'6")		
H	2 200 (7'3")	2 390 (7'10")		
I	G 600 (24")	G 600 (24")		
J	2 800 (9'2")	2 990 (9'10")		
K	2 860 (9'5")	2 990 (9'10")		
L				
Overall length				
With 2.22 m (7'3") arm	8 990 (29'6")	9 130 (29'11")	—	—
With 2.91 m (9'7") arm	8 870 (29'1")	9 010 (29'7")	**8 870 (29'1")	**9 010 (29'7")
With 4.41 m (14'6") arm	9 460 (31'10")	9 460 (31'10")	—	—
M				
Overall height of boom				
With 2.22 m (7'3") arm	3 130 (10'3")	3 130 (10'3")	—	—
With 2.91 m (9'7") arm	2 970 (9'9")	2 970 (9'9")	**2 970 (9'9")	**2 970 (9'9")
With 4.41 m (14'6") arm	3 550 (11'8")	3 550 (11'8")	—	—
N				
Track height			920 (3'0")	920 (3'0")
With triple grouser shoes				

\* Excluding track shoe lug. G: Triple grouser shoe

\*\* Equipped with K-front

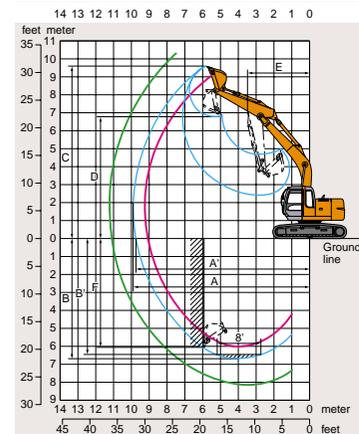
## Buckets

Capacity		Width		No. of teeth	Weight	Recommendation							
SAE, PCSA heaped	CECE heaped	Without side cutters	With side cutters			ZAXIS225USR	ZAXIS225USRLC	ZAXIS225USRK	ZAXIS225USRLCK	ZAXIS225USRK	ZAXIS225USRLCK		
						2.22 m (7'3") arm	2.91 m (9'7") arm	4.41 m (14'6")* arm	2.22 m (7'3") arm	2.91 m (9'7") arm	4.41 m (14'6")* arm	2.91 m (9'7") K-arm	2.91 m (9'7") K-arm
0.51 m <sup>3</sup> (0.67 yd <sup>3</sup> )	0.45 m <sup>3</sup>	720 mm (28")	850 mm (33")	3	530 kg (1 170 lb)	○	○	○	○	○	○	○	○
0.80 m <sup>3</sup> (1.05 yd <sup>3</sup> )	0.70 m <sup>3</sup>	1 030 mm (41")	1 140 mm (45")	5	670 kg (1 480 lb)	○	○	○	○	○	○	○	○
* 0.80 m <sup>3</sup> (1.05 yd <sup>3</sup> )	0.70 m <sup>3</sup>	1 030 mm (41")	1 140 mm (45")	5	670 kg (1 480 lb)	○	○	○	○	○	○	○	○
0.91 m <sup>3</sup> (1.19 yd <sup>3</sup> )	0.80 m <sup>3</sup>	1 150 mm (45")	1 280 mm (50")	5	720 kg (1 590 lb)	○	○	○	○	○	○	○	○
1.10 m <sup>3</sup> (1.44 yd <sup>3</sup> )	0.90 m <sup>3</sup>	1 330 mm (52")	1 460 mm (58")	6	780 kg (1 720 lb)	□	—	—	□	—	—	—	—
1.20 m <sup>3</sup> (1.57 yd <sup>3</sup> )	1.00 m <sup>3</sup>	1 450 mm (57")	—	6	690 kg (1 520 lb)	□	—	—	□	—	—	—	—
*1 0.80 m <sup>3</sup> (1.05 yd <sup>3</sup> )	0.70 m <sup>3</sup>	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	○	○	○	○	○	○	○	○
** 0.80 m <sup>3</sup> (1.05 yd <sup>3</sup> )	0.70 m <sup>3</sup>	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	○	○	○	○	○	○	○	○
** 0.80 m <sup>3</sup> (1.05 yd <sup>3</sup> )	0.70 m <sup>3</sup>	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	○	○	○	○	○	○	○	○
** 0.80 m <sup>3</sup> (1.05 yd <sup>3</sup> )	0.70 m <sup>3</sup>	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	○	○	○	○	○	○	○	○
** 0.80 m <sup>3</sup> (1.05 yd <sup>3</sup> )	0.70 m <sup>3</sup>	1 030 mm (41")	1 140 mm (45")	5	770 kg (1 700 lb)	○	○	○	○	○	○	○	○
** 0.91 m <sup>3</sup> (1.19 yd <sup>3</sup> )	0.80 m <sup>3</sup>	1 150 mm (45")	1 280 mm (50")	5	830 kg (1 830 lb)	○	○	○	○	○	○	○	○
Ripper bucket: 0.60 m <sup>3</sup> (0.78 yd <sup>3</sup> ; CECE heaped), Width 800 mm (31")				3	950 kg (2 090 lb)	●	—	—	●	—	—	—	—
One-point ripper				1	540 kg (1 190 lb)	●	—	—	●	—	—	—	—
Clamshell bucket: 0.60 m <sup>3</sup> (0.78 yd <sup>3</sup> ; CECE heaped), Width 940 mm (37")				8	1 130 kg (2 490 lb)	○	○	○	○	○	○	○	○
Slope-finishing blade: Width 1 100 mm (43"), length 1 800 mm (71")					590 kg (1 300 lb)	◇	◇	◇	◇	◇	◇	◇	◇

\* Level-pin-type bucket  
 \* K-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/m<sup>3</sup> (3 030 lb/yd<sup>3</sup>) or less  
 ○ Suitable for materials with density of 1 600 kg/m<sup>3</sup> (2 700 lb/yd<sup>3</sup>) or less  
 ○ Suitable for materials with density of 1 100 kg/m<sup>3</sup> (1 850 lb/yd<sup>3</sup>) or less  
 ● Heavy-duty service  
 ◇ Slope-finishing service  
 — Not applicable

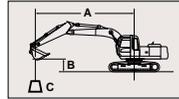
## WORKING RANGES



		ZAXIS225USR / ZAXIS225USRLC			ZAXIS225USRK / ZAXIS225USRLCK	
		2.22 m (7'3")	2.91 m (9'7")	4.41 m (14'6")*	5.68 m (18'8") 2.91 m (9'7")	K-boom K-arm
A	Max. digging reach	9 250 (30'4")	9 910 (32'6")	11 260 (36'11")	9 910 (32'6")	
A'	Max. digging reach (on ground)	9 080 (29'9")	9 750 (32'0")	11 100 (36'5")	9 750 (32'0")	
B	Max. digging depth	5 980 (19'7")	6 670 (21'11")	8 160 (26'9")	5 980 (19'7")	
B'	Max. digging depth (8' level)	5 740 (18'10")	6 490 (21'4")	8 030 (26'4")	5 770 (18'11")	
C	Max. cutting height	9 170 (30'1")	9 600 (31'6")	10 220 (33'6")	10 380 (34'1")	
D	Max. dumping height	6 390 (21'0")	6 780 (22'3")	7 410 (24'4")	7 480 (24'7")	
E	Min. swing radius	3 530 (11'7")	3 540 (11'7")	3 540 (11'7")	2 720 (8'11")	
F	Max. vertical wall	5 140 (16'10")	6 050 (19'10")	7 540 (24'9")	5 370 (17'7")	
Bucket digging force**	ISO	151 kN (15 400 kgf, 34 000 lbf)			109 kN (11 100 kgf, 24 500 lbf)	
	SAE : PCSA	129 kN (13 200 kgf, 29 100 lbf)			109 kN (11 100 kgf, 24 500 lbf)	
Arm crowd force**	ISO	136 kN (13 900 kgf, 30 600 lbf)	109 kN (11 100 kgf, 24 500 lbf)	80 kN (8 200 kgf, 17 900 lbf)	109 kN (11 100 kgf, 24 500 lbf)	
	SAE : PCSA	131 kN (13 400 kgf, 29 500 lbf)	102 kN (10 400 kgf, 22 900 lbf)	78 kN (8 000 kgf, 17 500 lbf)	102 kN (10 400 kgf, 22 900 lbf)	

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

## METRIC MEASURE



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

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

### ZAXIS225USR

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											3.41	*3.79			2.32	*2.38	8.64	
Arm 2.91 m	4 m						4.31	*4.34	3.30	*4.14	2.58	*4.05	1.91	*2.39	9.37				
Bucket	2 m			7.26	*9.43	5.23	*6.95	3.95	*5.71	3.08	*4.99	2.45	4.02	1.76	*2.55	9.57			
SAE, PCSA : 0.80 m <sup>3</sup>	0 (Ground)			6.69	*7.80	4.80	8.14	3.66	6.09	2.89	4.79	2.32	3.88	1.81	*2.91	9.28			
CECE : 0.70 m <sup>3</sup>	-2 m	*7.90	*7.90	6.66	*11.4	4.68	8.00	3.55	5.97	2.80	4.69	2.28	3.83	2.18	3.57	8.43			
Shoe 600 mm	-4 m	11.2	*12.4	6.81	*9.97	4.77	8.10	3.60	6.03										

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							*4.34	*4.34							2.75	*3.90	7.88	
Arm 2.22 m	4 m			*6.69	*6.69	*5.58	*5.58	4.22	*4.99	3.25	*4.68					2.21	3.60	8.69	
Bucket	2 m					5.09	*7.77	3.89	*6.26	3.06	4.97	2.45	4.01	2.03	3.37	8.90			
SAE, PCSA : 0.80 m <sup>3</sup>	0 (Ground)					4.78	8.10	3.66	6.08	2.90	4.80	2.36	3.91	2.11	3.52	8.59			
CECE : 0.70 m <sup>3</sup>	-2 m			6.78	*10.1	4.75	8.07	3.60	6.02	2.86	4.76					2.56	4.22	7.65	
Shoe 600 mm	-4 m	*10.6	*10.6	6.98	*8.96	4.90	*7.44	3.74	*5.98										

### ZAXIS225USRLC

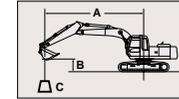
Unit: 1 000 kg

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											*3.79	*3.79			*2.38	*2.38	8.64	
Arm 2.91 m	4 m					*4.69	*4.69	*4.34	*4.34	3.71	*4.14	2.91	*4.05	2.18	*2.39	9.37			
Bucket	2 m			8.25	*9.43	5.90	*6.95	4.46	*5.71	3.49	*4.99	2.78	*4.54	2.03	*2.55	9.57			
SAE, PCSA : 0.80 m <sup>3</sup>	0 (Ground)			7.67	*7.80	5.46	*8.65	4.16	*6.90	3.29	5.52	2.66	4.47	2.09	*2.91	9.28			
CECE : 0.70 m <sup>3</sup>	-2 m	*7.90	*7.90	7.63	*11.4	5.34	*9.00	4.04	6.91	3.20	5.42	2.61	4.42	2.49	*3.61	8.43			
Shoe 600 mm	-4 m	*12.4	*12.4	7.79	*9.97	5.43	*8.11	4.10	*6.65										

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							*4.34	*4.34							3.09	*3.90	7.88	
Arm 2.22 m	4 m			*6.69	*6.69	*5.58	*5.58	4.73	*4.99	3.66	*4.68					2.51	*3.94	8.69	
Bucket	2 m					5.76	*7.77	4.39	*6.26	3.46	*5.41	2.78	4.60	2.32	3.87	8.90			
SAE, PCSA : 0.80 m <sup>3</sup>	0 (Ground)					5.44	*9.01	4.15	7.03	3.30	5.52	2.69	4.50	2.42	4.05	8.59			
CECE : 0.70 m <sup>3</sup>	-2 m			7.75	*10.1	5.41	*8.88	4.10	6.96	3.26	5.48					2.91	4.85	7.65	
Shoe 600 mm	-4 m	*10.6	*10.6	7.96	*8.96	5.57	*7.44	4.24	*5.98										

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.

## METRIC MEASURE



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

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

### ZAXIS225USRK

Conditions	Load point height	Load radius										At max. reach										
		3 m		4 m		5 m		6 m		7 m		8 m				meter						
K-boom 5.68 m	8 m															*3.17	*3.17			*2.45	*2.45	7.18
K-arm 2.91 m	6 m							4.31	*4.34	3.30	*4.14	2.58	*4.05	1.91	*2.39	9.37						
K-bucket	4 m			*5.47	*5.47	*5.60	*5.60	4.32	*5.17	3.27	*4.66	2.52	4.16	1.84	*2.26	9.37						
SAE, PCSA : 0.80 m <sup>3</sup>	2 m			7.32	*10.0	5.24	*7.50	3.93	*6.10	3.04	5.03	2.39	4.01	1.69	*2.42	9.57						
CECE : 0.70 m <sup>3</sup>	0 (Ground)			6.72	*7.60	4.79	*8.23	3.62	6.15	2.83	4.81	2.26	3.87	1.74	*2.78	9.28						
Shoe 600 mm	-2 m	*7.68	*7.68	6.69	*9.05	4.67	*7.53	3.50	6.01	2.74	4.71	2.21	3.82	2.07	*3.30	8.43						
	-4 m			*6.33	*6.33	4.77	*5.47	3.57	*4.49	2.83	*3.31											

### ZAXIS225USRLCK

Conditions	Load point height	Load radius										At max. reach											
		3 m		4 m		5 m		6 m		7 m		8 m				meter							
K-boom 5.68 m	8 m															*3.17	*3.17			*2.45	*2.45	7.18	
K-arm 2.91 m	6 m							*4.54	*4.54	3.81	*3.97					2.25	*2.25	8.64					
K-bucket	4 m			*5.47	*5.47	*5.60	*5.60	4.84	*5.17	3.69	*4.66	2.87	*4.22	2.12	*2.26	9.37							
SAE, PCSA : 0.80 m <sup>3</sup>	2 m			8.34	*10.0	5.93	*7.50	4.45	*6.10	3.45	*5.19	2.73	*4.55	1.96	*2.42	9.57							
CECE : 0.70 m <sup>3</sup>	0 (Ground)			*7.60	*7.60	5.47	*8.23	4.14	*6.62	3.24	*5.50	2.60	4.48	2.02	*2.78	9.28							
Shoe 600 mm	-2 m	*7.68	*7.68	7.69	*9.05	5.35	*7.53	4.01	*6.21	3.15	*5.12	2.55	*4.13	2.38	*3.30	8.43							
	-4 m			*6.33	*6.33	5.45	*5.47	4.08	*4.49	3.24	*3.31												

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.

# ZAXIS225USR SERIES



## 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 (Center pillar 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 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

- 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
- 6 710 kg (14 800 lb) counterweight
- Fuel level float
- Hydraulic oil level gauge
- Tool box
- 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

### 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 m<sup>3</sup> (1.05 yd<sup>3</sup> : 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

### ZAXIS225USRK / ZAXIS225USRLCK (Demolition version)

- K-cab (CRES cab with overhead window and guard)
- K-boom 5.68 m (18'8") with small swing radius bracket and K-arm 2.91 m (9'7")
- 0.80 m<sup>3</sup> (1.05 yd<sup>3</sup> : SAE, PCSA heaped) K-reinforced bucket
- Reinforced link B for demolition
- Reinforced bucket cylinder
- Front glass lower guard
- Attachment basic piping
- Damage prevention plate
- 6.0 mm (0.24") thickness undercover
- Track undercover
- Reinforced side step (bolt mounted)
- 600 mm (24") reinforced triple grouser shoe
- 6 910 kg (15 200 lb) heavier counterweight
- High-performance full-flow filter (with restriction indicator)
- Air cleaner double filters



## 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
- Additional pump
- Transparent roof
- 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
- K-cab (CRES cab with overhead window and guard)
- 600 mm (24") reinforced triple grouser shoes
- Reinforced track guard (2 units each side)
- Small swing radius bracket
- Rear light

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.

## Hitachi Construction Machinery Co., Ltd.

Head Office: 5-1 Koraku 2-chome, Bunkyo-ku,  
Tokyo 112-8563, Japan

Telephone: (03)3830-8050

Facsimile: (03)3830-8202

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