

ZAXIS135US SERIES

Short-Tail-Swing Version

HITACHI

ZAXIS 135 US

- Engine Rated Power : 66 kW (90 PS)
- Operating Weight ZAXIS135US : 13 200 kg
ZAXIS135USK : 14 400 kg
- Backhoe Bucket SAE,PCSA Heaped : 0.19—0.66 m³
CECE Heaped : 0.17—0.55 m³



HITACHI-US
SMART & RUGGED

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

5 % more production than EX135USR
Same performance as 12-ton class
(in H/P mode)

1.3 times larger cab
(compared EX140US-5)

ZAXIS
TOUGH
TIGHT
SHORT-TAIL-SWING
ZAXIS135US



High Productivity

A truly high-performance machine

- 1.465 meter rear-end swing radius (285 mm less than ZAXIS70).
- 5% more production (compared to EX135USR).
- 11% more digging force (compared to EX135USR).
- 6% increase in traction force (compared to EX135USR).
- 9% 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.
- New HN bushing offers improved grease retention.

Lower Maintenance Costs

Reduced maintenance time and expense

- Extended time between bucket joint section lubrication.
- Easy maintenance.
- Extended replacement interval for hydraulic oil filter (Every 1 000 hours).

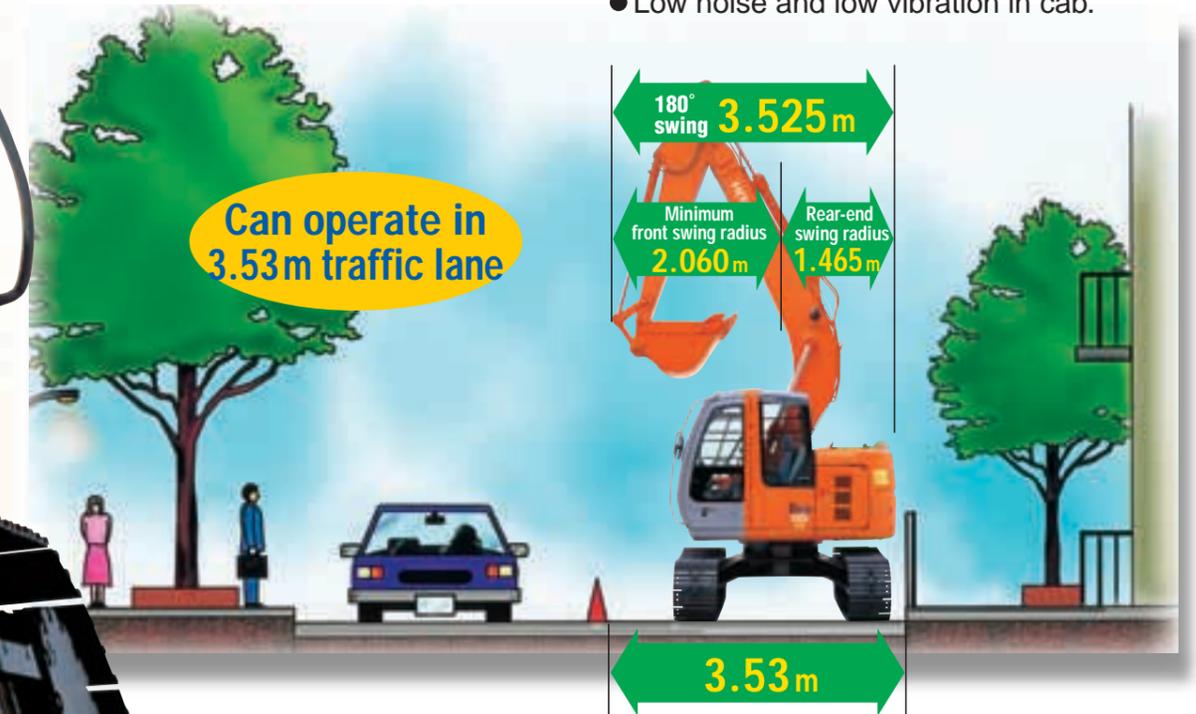
US-exclusive CRES Cab

(Corner Reinforced Structure)

Provides excellent operator comfort

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

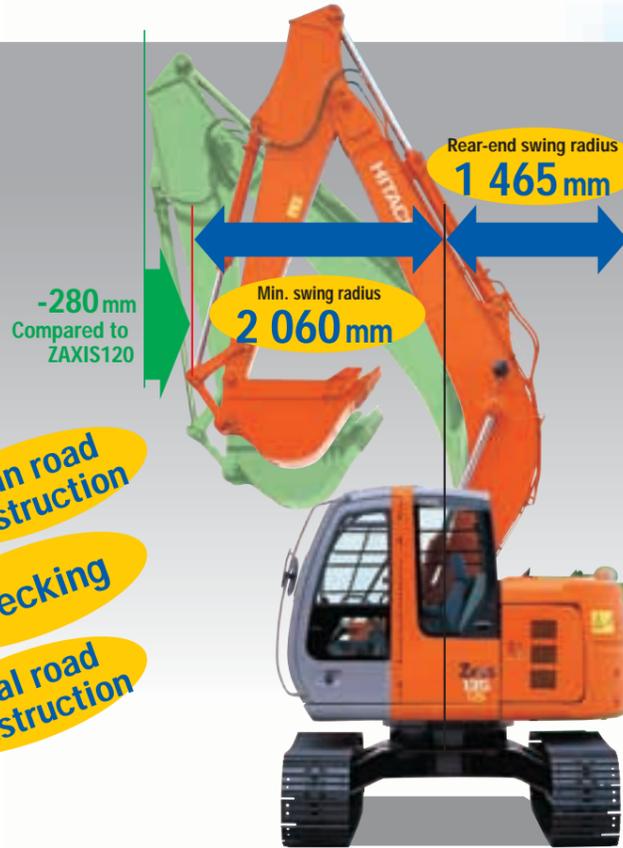
- Low noise and low vibration in cab.



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



- Urban road construction
- Wrecking
- Rural road construction



-665 mm
Compared to
ZAXIS120

-285 mm
Compared to
ZAXIS70

Wide Range of Job Applications

Operates in Tight Job Sites

The rear-end swing radius ZAXIS135US is 665 mm smaller than the ZAXIS120 and 285 mm smaller than the EX60-5. In addition, the minimum front swing radius is 280 mm smaller than the ZAXIS120. These smaller dimensions mean more efficiency in tight job sites.

Excavating Power for Tough Job Sites

89.2 kN (9 100 kgf) **EX135USR** → **99 kN (10 100 kgf)** **ZAXIS135US**



9% more swing power than EX135USR

Travel and Swing Power You Can Depend on

6% more travel power than EX135USR

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.

9% less fuel consumption than normal operation

All Excavating Operations in a Single Mode

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



Comfort

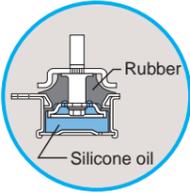
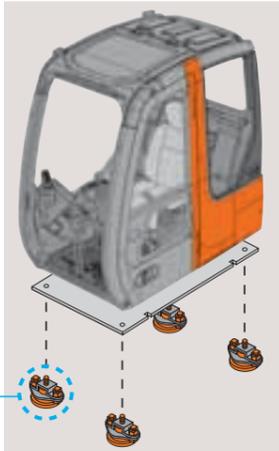
FUTURISTIC SPACE CREATES COMFORT



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

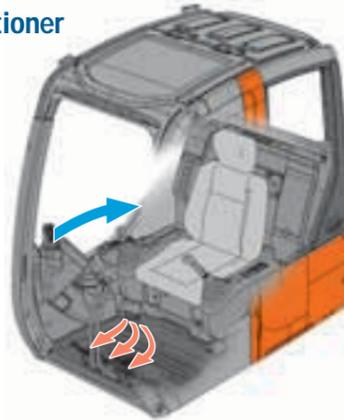
Comfort Increased to Reduce Operator Fatigue

A reinforced track X-frame, 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



Storage box



Slide window



Drink holder

SAFETY

Corner Reinforced Structure (CRES) Cab

* The CRES cab meets OPG top guard level I (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 COSTS DOWN



Lower running costs



- 1 Increased arm plate thickness
- 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 boom plate thickness
- 7 Reinforced upperstructure main frame
- 8 Improved idler bracket shape
- 9 Reinforced resin thrust plates used for front sections



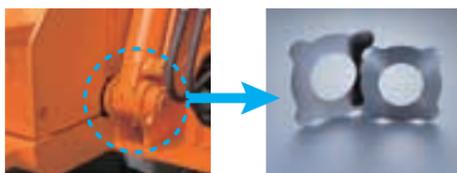
WC (Tungsten Carbide) Thermal Spraying

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



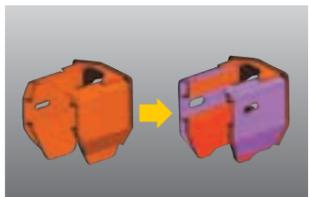
New HN Bushing Used

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

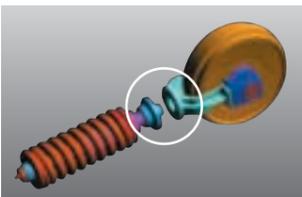


Reinforced Resin Thrust Plates

Designed to reduce noise and resist wear.



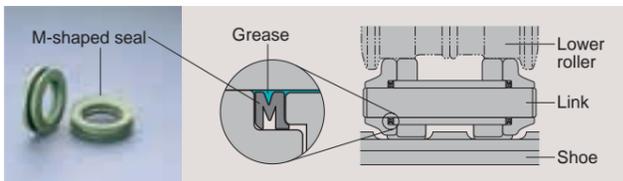
Reinforced track frame sections (shown in red)



Insertion type idler yoke

Rigid Undercarriage

Strong undercarriage section for increased durability.



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)



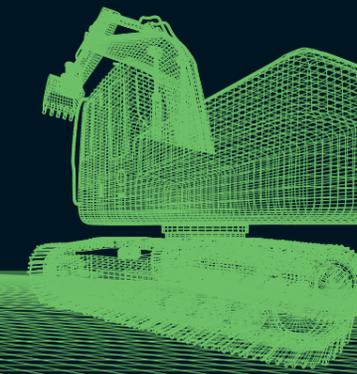
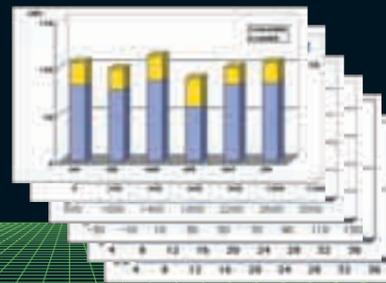
Z A X I S

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 System and Front Sections (Compared to EX135USR)

The use of the new HN bushing and WC thermal spraying process have helped dramatically increase the time between lubrication. (See the Operator's 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



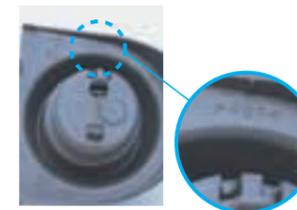
Engine oil filter



Water separator

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

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

ModelIsuzu CC-4BG1TC
 Type 4-cycle water-cooled, direct injection
 Aspiration Turbocharged, intercooled
 No. of cylinders 4
 Rated power
 DIN 6271, net H/P mode : 66 kW (90 PS) at 2 150 min⁻¹ (rpm)
 P mode : 63 kW (85 PS) at 1 950 min⁻¹ (rpm)
 SAE J1349, net H/P mode : 65 kW (88 hp) at 2 150 min⁻¹ (rpm)
 P mode : 62 kW (84 hp) at 1 950 min⁻¹ (rpm)
 Maximum torque 340 N·m (35 kgf·m, 253 lbf·ft)
 at 1 600 min⁻¹ (rpm)
 Piston Displacement 4.329 L (264 in³)
 Bore and stroke 105 mm x 125 mm (4.13" x 4.92")
 Batteries 2 x 12 V / 55 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 105 L/min (27.7 US gpm, 23.1 Imp gpm)
 Pilot pump 1 gear pump
 Max. oil flow 33 L/min. (8.7 US gpm, 7.3 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 32.3 MPa (330 kgf/cm², 4 690 psi)
 Travel circuit 34.3 MPa (350 kgf/cm², 4 980 psi)
 Pilot circuit 3.9 MPa (40 kgf/cm², 570 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	105 mm (4.13")	70 mm (2.76")
Arm	1	115 mm (4.53")	80 mm (3.15")
Bucket	1	100 mm (3.94")	70 mm (2.76")

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. Demolition version ZAXIS130USK uses other type of high-performance full flow filters with clog indicator.

CONTROLS

Pilot controls. Hitachi's original shockless valve and quick warm-up system built in the pilot circuit.
 Implement levers 2
 Travel levers with pedals 2
 Attachment pedal (Demolition version ZAXIS130USK)..... 1

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 13.7 min⁻¹ (rpm)

Operator's Cab

US-exclusive cab, independent and roomy 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 dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

Upper rollers 1: ZAXIS135US/135USK
 Lower rollers 7: ZAXIS135US/135USK
 Track shoes 44: ZAXIS135US/135USK

Travel 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 speed High : 0 to 5.0 km/h (3.1 mph)
 Low : 0 to 3.0 km/h (1.9 mph)

Maximum traction force 117 kN (11 900 kgf, 26 300 lbf)
 Gradeability 35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

Equipped with 4.60 m (15'1") boom, 2.52 m (8'3") arm and 0.50 m³ (0.65 yd³: SAE, PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	500 mm (20")	13 200 kg (29 100 lb)	41 kPa (0.42 kgf/cm ² , 5.97 psi)
	600 mm (24")	13 500 kg (29 800 lb)	35 kPa (0.36 kgf/cm ² , 5.12 psi)
	700 mm (28")	13 700 kg (30 200 lb)	30 kPa (0.31 kgf/cm ² , 4.41 psi)
Flat	510 mm (20")	13 700 kg (30 200 lb)	42 kPa (0.43 kgf/cm ² , 6.11 psi)
Triangular	700 mm (28")	13 500 kg (29 800 lb)	30 kPa (0.31 kgf/cm ² , 4.41 psi)

Weights of the basic machines [including 3 650 kg (8 050 lb), 4 450 kg (9 810 lb) K-type counterweight and triple grouser shoes, excluding front-end attachment, fuel, hydraulic oil, engine oil and coolant etc.]are:

ZAXIS135US..... 10 600 kg (23 400 lb) with 500 mm (20") shoes
 ZAXIS135USK..... 11 600 kg (25 600 lb) with 500 mm (20") shoes

ZAXIS135USK (Demolition version):

Equipped with 4.60 m (15'1") K-boom, 2.52 m (8'3") K-arm, and 0.50 m³ (0.65 yd³:SAE, PCSA heaped) K-bucket.

	Shoe width	Arm	Operating weight	Ground pressure
ZAXIS135USK	500 mm (20")	2.52 m (8'3") K-arm	14 400 kg (31 700 lb)	45 kPa (0.46 kgf/cm ² , 6.50 psi)

Buckets

Capacity		Width		No. of teeth	Weight	Recommendation				
						ZAXIS135US				ZAXIS135USK
SAE, PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.10 m (6'11") arm	2.52 m (8'3") arm	3.01 m (9'11") arm	3.52 m ^{*4} (8'3") EX-arm	2.52 m (8'3") K-arm
0.19 m ³ (0.25 yd ³)	0.17 m ³	450 mm (18")	550 mm (22")	3	260 kg (570 lb)	⊙	⊙	⊙	○	⊙
0.30 m ³ (0.39 yd ³)	0.25 m ³	580 mm (23")	700 mm (28")	3	290 kg (640 lb)	⊙	⊙	⊙	○	⊙
0.40 m ³ (0.52 yd ³)	0.33 m ³	680 mm (27")	800 mm (31")	4	340 kg (750 lb)	⊙	⊙	⊙	○	⊙
0.45 m ³ (0.59 yd ³)	0.40 m ³	850 mm (33")	970 mm (38")	5	400 kg (880 lb)	⊙	⊙	○	○	⊙
0.50 m ³ (0.65 yd ³)	0.45 m ³	890 mm (35")	1 010 mm (40")	5	410 kg (900 lb)	⊙	⊙	○*	—	⊙
0.59 m ³ (0.77 yd ³)	0.50 m ³	950 mm (37")	1 070 mm (42")	5	430 kg (950 lb)	⊙	○	—	—	○
0.66 m ³ (0.86 yd ³)	0.55 m ³	1 030 mm (45")	—	5	430 kg (950 lb)	□	—	—	—	—
1 0.50 m ³ (0.65 yd ³)	0.45 m ³	890 mm (35")	1 010 mm (40")	5	470 kg (1 040 lb)	⊙	⊙	○	—	⊙
3 0.50 m ³ (0.65 yd ³)	0.45 m ³	890 mm (35")	1 010 mm (40")	5	500 kg (1 100 lb)	⊙	⊙	○	—	⊙
*2 0.59 m ³ (0.77 yd ³)	0.50 m ³	950 mm (37")	1 070 mm (42")	5	490 kg (1 080 lb)	⊙	○	—	—	○
V-type bucket: 0.35 m ³ (0.46 yd ³ : CECE heaped)					3	370 kg (820 lb)	○	○	○	—
One-point ripper					1	320 kg (710 lb)	●	●	—	—
Slope-finishing blade: Width 1 000 mm (39"), length 1 600 mm (63")						430 kg (950 lb)	◇	◇	◇	—

- * With 700 mm (28") shoes only
- *1 K-reinforced bucket
- *2 Reinforced bucket
- *3 Level-pin-type reinforced bucket
- *4 2.52 m (8'3") arm +1.0 m (3'3") 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

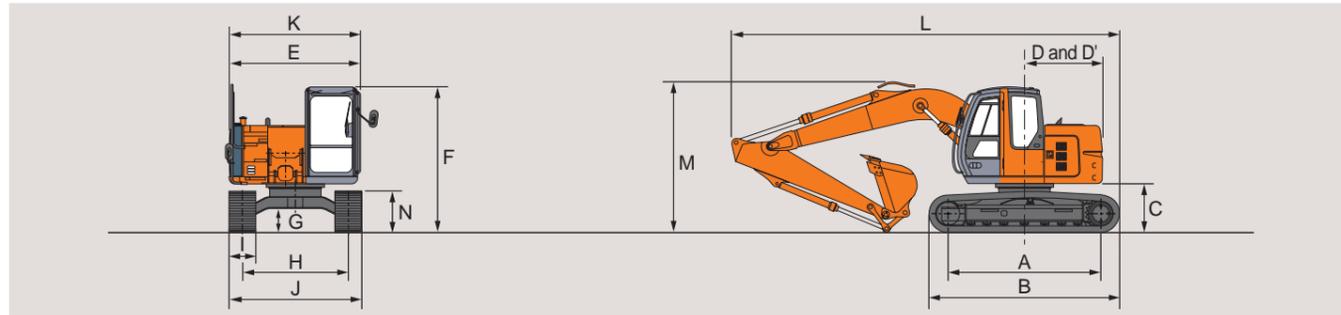
SERVICE REFILL CAPACITIES

	liters	US gal	Imp gal
Fuel tank	200.0	52.9	44.0
Engine coolant	19.0	5.0	4.2
Engine oil	15.8	4.2	3.5
Swing device	3.2	0.8	0.7
Travel final device	4.2	1.1	0.9
device(each side)			
Hydraulic system	120.0	31.7	26.4
Hydraulic oil tank	62.0	16.4	13.6

BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 4.60 m (15'1") boom, and 2.10 m (6'11"), 2.52 m (8'3") and 3.01 m (9'11")* arms are available. Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

DIMENSIONS

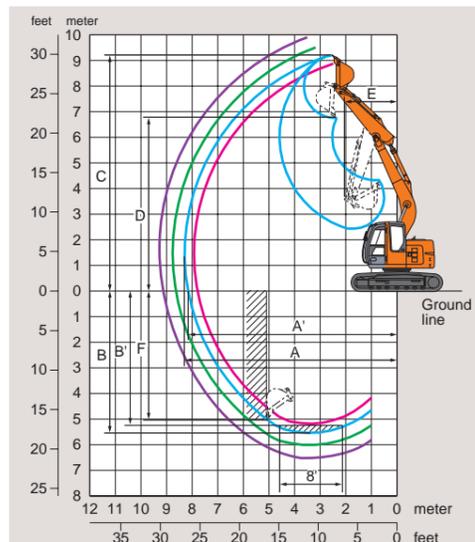


Unit: mm (ft in)

ZAXIS135US / ZAXIS130USK				
A	Distance between tumbler	2 880 (9'5")		
B	Undercarriage length	3 580 (11'9")		
*C	Counterweight clearance	890 (2'11")		
D	Rear-end swing radius	1 465 (4'10") / 1 510 (4'11")		
D'	Rear-end length	1 465 (4'10") / 1 510 (4'11")		
E	Overall width of upperstructure	2 470 (8'1")		
F	Overall height of cab	2 740 (9'0") / 2 870 (9'5")		
*G	Min. ground clearance	440 (1'5")		
H	Track gauge	1 990 (6'6")		
I	Track shoe width	G 500 (20")	G 600 (24")	G 700 (28")
J	Undercarriage width	2 490 (8'2")	2 590 (8'6")	2 690 (8'10")
K	Overall width	2 500 (8'2")	2 590 (8'6")	2 690 (8'10")
L	Overall length			
	With 2.10 m (6'11") arm	7 290 (23'11") /	-	
	With 2.52 m (8'3") arm	7 290 (23'11") /	**7 290 (23'11")	
	With 3.01 m (9'11") arm	7 310 (24'0") /	-	
M	Overall height of boom			
	With 2.10 m (6'11") arm	2 840 (9'4") /	-	
	With 2.52 m (8'3") arm	2 840 (9'4") /	**2 840 (9'4")	
	With 3.01 m (9'11") arm	2 840 (9'4") /	-	
N	Track height	790 (2'7")		
	With triple grouser shoes			

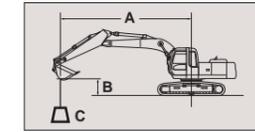
* Excluding track shoe lug. ** Equipped with K-front G: Triple grouser shoe F: Flat shoe

WORKING RANGES



ZAXIS135US					
Arm length	2.10 m (6'11")	2.52 m (8'3")	3.01 m (9'11")	3.52 m*1 (11'7") EX-arm	2.52 m (8'3")
A Max. digging reach	7 930 (26'0")	8 300 (27'3")	8 760 (28'9")	9 220 (30'3")	8 300 (27'3")
A' Max. digging reach (on ground)	7 790 (25'7")	8 160 (26'9")	8 640 (28'4")	9 110 (29'11")	8 160 (26'9")
B Max. digging depth	5 120 (16'10")	5 530 (18'2")	6 020 (19'9")	6 530 (21'5")	5 530 (18'2")
B' Max. digging depth (8' level)	4 880 (16'0")	5 320 (17'5")	5 840 (19'2")	6 370 (20'11")	5 320 (17'5")
C Max. cutting height	8 950 (29'4")	9 220 (30'3")	9 610 (31'6")	9 940 (32'7")	9 220 (30'3")
D Max. dumping height	6 490 (21'4")	6 760 (22'2")	7 150 (23'5")	7 490 (24'7")	6 760 (22'2")
E Min. swing radius	1 940 (6'4")	2 060 (6'9")	2 400 (7'10")	2 350 (7'9")	2 060 (6'9")
F Max. vertical wall	4 620 (15'2")	4 970 (16'4")	5 460 (17'11")	6 060 (19'11")	4 970 (16'4")
Bucket digging force	99 kN (10 100 kgf, 22 300 lbf)				
	86 kN (8 800 kgf, 19 400 lbf)				
Arm crowd force	73 kN (7 500 kgf, 16 500 lbf)				
	65 kN (6 600 kgf, 14 600 lbf)				
	58 kN (5 900 kgf, 13 000 lbf)				
	49 kN (4 990 kgf, 11 000 lbf)				
	65 kN (6 600 kgf, 14 600 lbf)				
	71 kN (7 200 kgf, 15 900 lbf)				
	63 kN (6 400 kgf, 14 100 lbf)				
	57 kN (5 800 kgf, 12 800 lbf)				
	47 kN (4 820 kgf, 10 600 lbf)				
	63 kN (6 400 kgf, 14 100 lbf)				

Excluding track shoe lug *1 2.52 m (8'3") arm+1.0 m (3'3") extension arm *2 Equipped with K-front



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

METRIC MEASURE

ZX135US

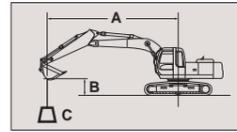
Rating over-side or 360 degrees Rating over-front Unit: 1 000 kg

Conditions	Load point height	Load radius										At max. reach				
		2 m		3 m		4 m		5 m		6 m		7 m		meter		
Boom 4.60 m	4 m			*3.58	*3.58	3.84	*3.61	2.61	*3.35	1.87	2.86			1.30	*1.60	7.27
	3 m			*5.71	*5.71	3.64	*4.37	2.51	*3.73	1.83	2.81			1.19	*1.62	7.53
Arm 2.10 m	2 m					3.40	*5.30	2.39	3.72	1.76	2.75	1.33	2.10	1.14	*1.67	7.62
Bucket SAE,PCSA:0.59 m ³ CECE:0.50 m ³	1 m					3.19	5.15	2.28	3.59	1.70	2.68	1.30	2.07	1.13	*1.77	7.56
	0 (Ground)					3.08	5.02	2.19	3.50	1.65	2.62	1.27	2.05	1.18	1.90	7.35
Shoe 500 mm	-1 m			4.88	*5.91	3.04	4.97	2.15	3.45	1.62	2.59			1.29	2.08	6.96
	-2 m	*5.75	*5.75	4.92	*7.19	3.04	4.98	2.14	3.44	1.62	2.59			1.52	2.42	6.35
	-3 m	*7.12	*7.12	5.00	*6.11	3.09	*4.98	2.18	3.48					2.00	*2.53	5.44

Conditions	Load point height	Load radius										At max. reach				
		2 m		3 m		4 m		5 m		6 m		7 m		meter		
Boom 4.60 m	4 m					*3.16	*3.16	2.64	*3.02	1.89	2.89			1.17	*1.37	7.65
	3 m			*4.32	*4.32	3.71	*3.91	2.54	*3.42	1.84	2.83	1.36	2.14	1.07	*1.38	7.89
Arm 2.52m	2 m					3.46	*4.86	2.41	3.74	1.77	2.75	1.32	2.10	1.02	*1.43	7.98
Bucket SAE,PCSA:0.50 m ³ CECE:0.45 m ³	1 m					3.23	5.20	2.28	3.60	1.69	2.67	1.28	2.06	1.02	*1.52	7.93
	0 (Ground)					3.08	5.02	2.18	3.49	1.63	2.61	1.25	2.03	1.05	*1.65	7.72
Shoe 500 mm	-1 m			4.80	*6.23	3.00	4.94	2.12	3.42	1.59	2.56	1.23	2.00	1.14	*1.86	7.36
	-2 m	*5.55	*5.55	4.83	*7.71	2.99	4.92	2.10	3.40	1.57	2.55			1.32	2.13	6.79
	-3 m	*7.82	*7.82	4.89	*6.75	3.02	4.96	2.12	3.42					1.67	*2.61	5.97

Conditions	Load point height	Load radius										At max. reach				
		2 m		3 m		4 m		5 m		6 m		7 m		meter		
Boom 4.60 m	4 m					*2.47	*2.47	*2.64	*2.64	1.92	*2.62	1.40	*2.15	1.03	*1.20	8.14
	3 m			*2.57	*2.57	*2.98	*2.98	2.59	*3.05	1.86	*2.85	1.37	2.16	0.94	*1.21	8.37
Arm 3.01 m	2 m					3.56	*4.32	2.45	*3.58	1.78	2.78	1.33	2.11	0.90	*1.26	8.45
Bucket SAE,PCSA:0.40 m ³ CECE:0.33 m ³	1 m					3.29	5.28	2.31	3.63	1.70	2.68	1.28	2.06	0.89	*1.33	8.40
	0 (Ground)			4.86	*5.10	3.10	5.05	2.19	3.50	1.62	2.60	1.24	2.01	0.92	*1.44	8.21
Shoe 500 mm	-1 m			4.75	*6.14	2.98	4.92	2.10	3.41	1.57	2.54	1.20	1.98	0.99	*1.60	7.87
	-2 m	*4.84	*4.84	4.74	*8.14	2.94	4.87	2.06	3.36	1.54	2.51	1.19	1.97	1.12	1.84	7.35
	-3 m	*7.34	*7.34	4.78	*7.37	2.95	4.88	2.06	3.36	1.54	2.51			1.37	2.21	6.61

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with hte 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.



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

METRIC MEASURE

ZX135USK

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

Conditions	Load point height	Load radius										At max. reach				
		2 m		3 m		4 m		5 m		6 m		7 m				meter
K-boom 4.60 m	4 m					*3.07	*3.07	*2.92	*2.92	2.10	*2.83			*1.28	*1.28	7.65
	3 m			*4.25	*4.25	*3.81	*3.81	2.83	*3.32	2.05	*3.02	1.52	*2.29	1.20	*1.30	7.89
K-arm 2.52 m	2 m					3.88	*4.75	2.70	*3.81	1.97	3.05	1.48	2.33	1.15	*1.35	7.98
K-bucket SAE,PCSA:0.50 m ³ CECE:0.45 m ³	1 m					3.64	*5.59	2.57	4.00	1.90	2.96	1.44	2.28	1.14	*1.44	7.93
	0 (Ground)					3.48	5.60	2.46	3.88	1.83	2.89	1.40	2.24	1.18	*1.57	7.72
Shoe 500 mm	-1 m			5.45	*6.10	3.40	5.52	2.40	3.81	1.80	2.85	1.38	2.22	1.29	*1.77	7.36
	-2 m	*5.45	*5.45	5.48	*7.57	3.39	5.50	2.37	3.79	1.78	2.83			1.48	*2.09	6.79
	-3 m	*7.93	*7.93	5.55	*6.62	3.42	*5.21	2.39	3.81	1.80	2.86			1.88	*2.49	5.97

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with hte 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.

ZAXIS135USK

Demolition Version K-Series (ZAXIS135USK)

Designed exclusively for use with various demolition attachments.

- ① Basic attachment piping.
- ② Damage prevention plates.
- ③ Reinforced link B for demolition.
- ④ K-reinforced bucket.
- ⑤ Front glass lower guard.
- ⑥ 6.0 mm (0.24") thickness undercover.
- ⑦ Track undercover.
- ⑧ Reinforced side steps (bolt mounted).
- ⑨ K-cab (CRES cab with overhead window & guard).
- ⑩ High-performance full-flow filter (with restriction indicator).
- ⑪ Air cleaner double filters.
- ⑫ 800 kg (1 760 lb) added heavier counterweight.

OPTION

- Accessories for breaker.
- Accessories for breaker & crusher.
- Accessories for 2 speed selector.
- Front glass upper guard.



Notes: Photo shown model equipped with optional breaker and crusher pipings. Total weight of attachments to be mounted is from a standpoint of machine stability. For more details, contact your distributor.

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
- 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
- 3 650 kg (8 050 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
- 500 mm (20") 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
- Dirt seal on all bucket pins
- 2.52 m (8'3") arm
- 0.50 m³ (0.65 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

ZAXIS130USK (Demolition version)

- K-cab (CRES cab with overhead window and guard)
- K-boom 4.60 m (15'1") and K-arm 2.52 m (8'3")
- 0.50 m³ (0.65 yd³ : SAE, PCSA heaped) K-reinforced bucket
- Reinforced link B for demolition
- Front glass lower guard
- Attachment basic piping
- Damage prevention plate
- 6.0 mm (0.24") thickness undercover
- Track undercover
- Reinforced side step (bolt mounted)
- 4 450 kg (9 810 lb) heavier counterweight <800 kg (1 760 lb) added 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
- Swing motion alarm device with lamps
- Travel motion alarm device
- Additional pump

- Fuel double filters
- Air cleaner double filters
- Attachment basic piping
- Accessories for breaker
- Accessories for breaker & crusher
- Accessories for 2 speed selector

- 750 kg (1 650 lb) added heavier counterweight
- Front glass lower guard
- Front glass upper guard
- K-cab (CRES cab with overhead window and guard)
- Track guard

 **Hitachi Construction Machinery Co., Ltd.**

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

Telephone: 81-3-3830-8050

Facsimile: 81-3-3830-8202

*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 Operator's Manual for proper operation.*

KS-E350P

04.03 (HP/HPGT₃)