

ZAXIS-7 series

HITACHI

Reliable Solutions

SUPER LONG FRONT

A P P L I C A T I O N & A T T A C H M E N T



ZAXIS95us

Model code : ZX95US-7

Engine rated power : 50.4 kW (ISO 14396)
: 49.8 kW (ISO 9249)

Operating weight : 9 040 - 9 520 kg

Bucket capacity : 0.13 m³

LANDCROS

SPECIFICATIONS

ZX95US-7 SUPER LONG FRONT (SLF)

ENGINE	
Model	4TNV98CT
Type	4-cycle water-cooled, common rail direct injection exhaust turbo charger
Aspiration	Cooled EGR
Aftertreatment	Muffler filter
No. of cylinders	4
Rated power	
ISO 14396 : 2002 gross	50.4 kW at 2 000 min ⁻¹
ISO 9249 : 2007 net	49.8 kW at 2 000 min ⁻¹
Maximum torque	292.9 Nm at 1 300 min ⁻¹
Piston displacement	3.318 L
Bore and stroke	98 mm x 110 mm
Batteries	2 x 12 V / 60 Ah

HYDRAULIC SYSTEM				
Hydraulic Pumps				
Main pumps	3 variable displacement axial piston pumps			
Maximum oil flow	2 x 72 L/min			
	1 x 56 L/min			
Pilot pump	1 gear pump			
Maximum oil flow	20.0 L/min			
Hydraulic Motors				
Travel	2 variable displacement axial piston motors			
Swing	1 axial piston motor			
Relief Valve Settings				
Implement circuit	28.0 MPa			
Swing circuit	26.5 MPa			
Travel circuit	31.4 MPa			
Pilot circuit	3.9 MPa			
Hydraulic Cylinders				
	Quantity	Bore	Rod diameter	Stroke
Boom	1	115 mm	70 mm	885 mm
Arm	1	95 mm	60 mm	900 mm
Bucket	1	85 mm	55 mm	730 mm
Blade	1	120 mm	70 mm	145 mm

UPPERSTRUCTURE	
Revolving Frame	
D-section frame for resistance to deformation	
Swing Device	
Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row. Swing parking brake is spring-set/hydraulic-released disc type.	
Swing speed	10 min ⁻¹
Swing torque	16.6 kNm
Operator's Cab	
Independent spacious cab, 1 025 mm wide by 1 654 mm high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower) can be opened. Reclining seat. * International Organization for Standardization	

UNDERCARRIAGE	
Tracks	
Tractor-type undercarriage. Welded track frame using selected materials. Side frame welded to track frame	
Numbers of Rollers on Each Side	
Upper rollers	1
Lower rollers	5
Track shoes	40
Travel Device	
Each track driven by 2-speed axial piston motor. Parking brake is spring-set/hydraulic-released disc type. Automatic transmission system: High-Low.	
Travel speeds	High : 0 to 5.0 km/h
	Low : 0 to 3.1 km/h
Maximum traction force	65.2 kN
Gradeability	70% (35 degree) continuous

SERVICE REFILL CAPACITIES	
Fuel tank	125.0 L
Engine coolant	13.1 L
Engine oil	12.3 L
Travel device (each side)	1.2 L
Hydraulic system	100.0 L
Hydraulic oil tank	52.0 L

ENVIRONMENT	
Engine Emissions	EU Stage V
Sounds Level	
Sound level in cab according to ISO 6396 :2008	LpA 70 dB(A)
External sound level according to ISO6395 : 2008 and EU Directive 2000/14/EC	LwA 99 dB(A)
Air Conditioning System	
The air conditioning system contains fluorinated greenhouse gases. Refrigerant type: HFO-1234yf, GWP: 4, Amount: 0.65 kg, CO2e: 0.0026 ton	

WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

Blade type	Shoe type	Shoe width (mm)	ZX95US-7	
			kg	kPa
STD	Grouser shoe	450	9 130	43
	Rubber shoe	450	9 040	43
	Pad crawler shoe	450	9 170	44

Including 0.13 m³ (ISO ISO 7451:2007 heaped) bucket weight 141 kg and counterweight 1 165 kg and additional counterweight 430 kg.

BUCKET AND ARM DIGGING FORCE

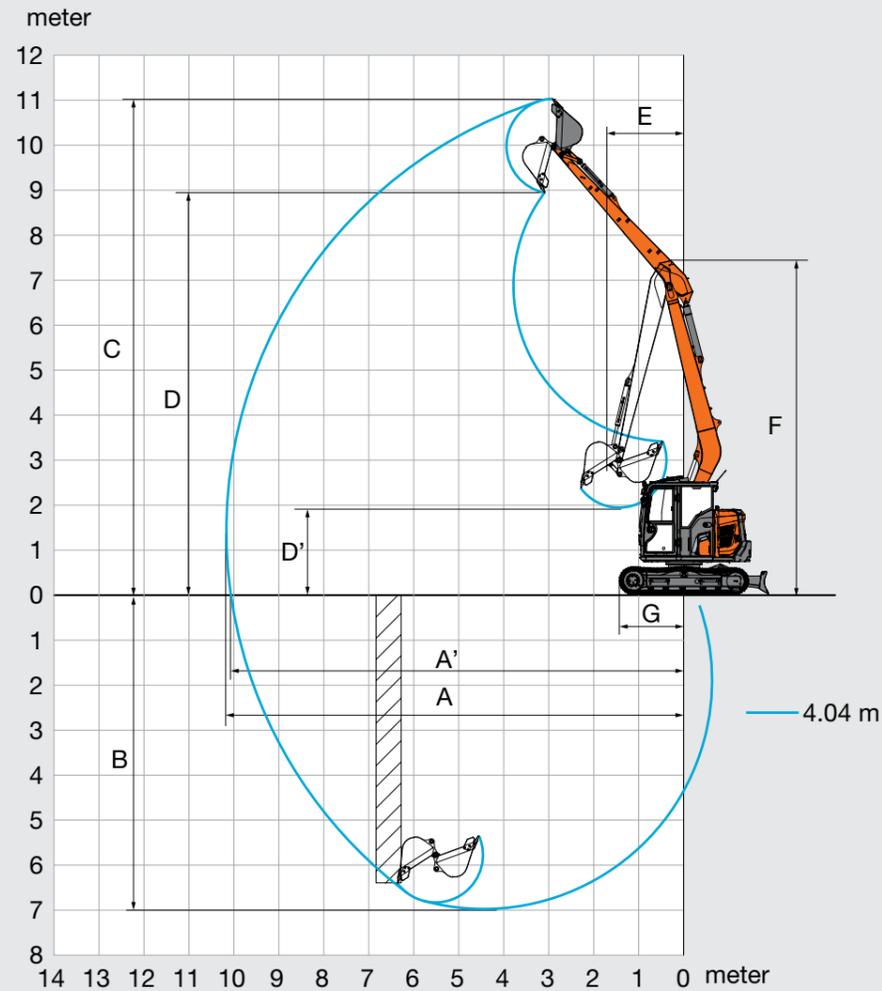
Arm length	ZX95US-7
	4.04 m
Bucket digging force* ISO 6015 : 2006	57.5
Bucket digging force SAE : PCSA	50.1
Arm crowd force* ISO 6015 : 2006	20.3
Arm crowd force SAE : PCSA	19.8

* At power boost

SPECIFICATIONS

ZX95US-7 SUPER LONG FRONT

WORKING RANGES



Unit: mm

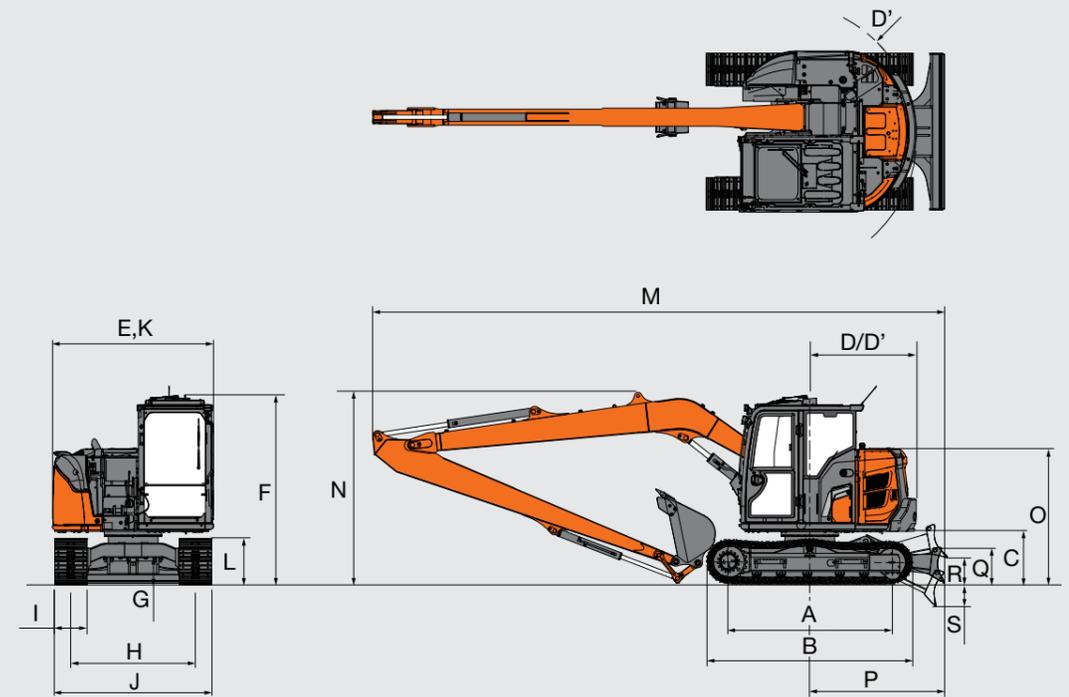
ZX95US-7	
SLF boom	
Arm length	4.04 m
A Max. digging reach	10 220
A' Max. digging reach (on ground)	10 120
B Max. digging depth	7 010
C Max. cutting height	11 070
D Max. dumping height	8 980
D' Min. dumping height	1 950
E Min. swing radius	1 750
F Front height at Min. swing radius	7 470
G Min.level crowding distance	1 630

Excluding track shoe lug

SPECIFICATIONS

ZX95US-7 SUPER LONG FRONT

DIMENSIONS



Unit: mm

ZX95US-7	
SLF boom	
A Distance between tumbler	2 295
B Undercarriage length	2 900
* C Counterweight clearance	720
D Rear-end swing radius	1 490
D' Rear-end length	1 490
E Overall width of upperstructure	2 260
* F Overall height of cab	2 530
G Min. ground clearance	360
H Track gauge	1 750
I Track shoe width	G 450
J Undercarriage width	2 200
K Overall width	2 260
L Track height	610
M Overall length	
With 4.04 m arm	8 100
N Overall height of boom	
With 4.04 m arm	2 700
O Engine cover-height	1 880
P Distance between the front end of blade and the axis of rotation	1 890
Q Blade height	472
R Blade bottom highest position above ground	370
S Blade Bottom lowest position above ground	290

* Excluding track shoe lug G : Grouser shoe

EQUIPMENT

ZX95US-7 SUPER LONG FRONT

● : Standard equipment ○ : Optional equipment

ENGINE	ZX95US-7
Aftertreatment device	●
Air cleaner double filters	●
Alternator 24 V - 60 A	●
Auto idle system	●
Auto shut-down control	●
Cartridge-type engine oil filter	●
Cartridge-type fuel main filter	●
ConSite OIL (Sensor)	○
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●
Electric fuel refilling pump	●
Engine oil drain coupler	●
Fan guard	●
Fuel cooler	●
Fuel pre-filter with water separator	●
Maintenance free pre-cleaner	○
PWR/ECO mode control	●
Radiator reserve tank	●
Radiator, oil cooler with one touch type cleaning interval extension net	○
Radiator, oil cooler with one touch type dust-proof indoor net	●

HYDRAULIC SYSTEM	ZX95US-7
Auxiliary flow adjustment switching	○
Boom anti-drift valve	●
ConSite OIL (Sensor)	○
Extra port for control valve	●
Full-flow filter	●
Hose rupture valve for arm cylinder	●
Hose rupture valve for boom cylinder	●
Hydraulic pilot type control levers	●
Low-temperature starting speed control	●
Main pump pressure and temperature sensor	●
Pilot control shut-off lever with neutral engine start system	●
Pilot filter	●
Suction filter	●
Swing drain filter	●
Swing parking brake	●
Travel parking brake	●
Two-speed travel system	●
Valve for extra piping	●
Variable reliefvalve for breaker and crusher	●
Work mode selector	●

CAB	ZX95US-7
AUX function lever (breaker)	○
Blade lever with two-speed travel switch	●
Bluetooth® integrated radio	●
Cab with laminate glass only for front window	○
Control lever auto-lock	●
Defroster	●
Drink holder with hot and cool function	●
Electric horn	●
Engine shut-off switch	●
Equipped with reinforced glass windows	●
Evacuation hammer	●
Fire extinguisher mounting seat	●
Footrest	●
Floor mat	●
Front window washer (1 points)	●
Front window washer (2 points) *	○
Hands-free calling device	●
Hot and cool box	●
Intermittent windshield wipers	●
LED room light	●
Lower front window one-touch lock (release lever)	●
Magazine rack	○
Pilot shut-off lever	●
Power outlet 12 V	●
Rain guard (without OPG front guard) **	○
Rear tray	●
Retractable seat belt	●
Rubber radio antenna	●
ROPS (ISO 12117-2 : 2008) compliant cab	●
Seat : air suspension seat with heater	●
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●
Seat belt reminder	●
Smartphone holder	●
Sunscreen roller type (top window)	●
Sunscreen roller type (front window)	○
Tinted window glass (right side)	○
Transparent roof	●
USB power supply	●
Wide view wiper	○
Windows on front, upper and lower can be opened	●
Window (right side) guard piping	●
4 fluid-filled elastic mounts	●
8 inch monitor	●
2 speakers	●

● : Standard equipment ○ : Optional equipment

MONITOR SYSTEM	ZX95US-7
Alarms:overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, etc	●
Alarm buzzers: overheat, engine oil pressure, overload, etc	●
Display of meters: water temperature, hour, fuel rate, clock, etc	●
Other diaplays:work mode, auto-idle, glow, rearview monitor, operating conditions, etc	●
35 language selection	●

LIGHTS	ZX95US-7
Additional 3 cab roof front LED lights	○
Boom LED lights (boom x 1, cab front x 1)	●
3 ambient LED lights (side and rear view camera)	○

UPPER STRUCTURE	ZX95US-7
AERIAL ANGLE (270-degree view camera system)	●
Auxiliary overload relief valve	●
Batteries 2 x 60Ah	●
Fuel level float	●
Remote swing circle lubrication	●
Lockable tool box	●
Side view mirror (left side)	●
Undercover	●
1 165 kg counterweight	●
430 kg additional counterweight	●
2 way disconnect switch	●

UNDERCARRIAGE	ZX95US-7
Blade	●
Blade float	○
Reinforced track links with pin seals	●
Travel motor covers	●
4 tie down hooks	●
450 mm grouser shoe	●
450 mm pad crawler shoe	○
450 mm rubber shoe	○

FRONT ATTACHMENTS	ZX95US-7
Assist piping	○
Dirt seal on all bucket pins	●
Extra piping	●
HN bushing	●
HRV valve cover	●
Reinforced resin thrust plate	●
WC (tungsten-carbide) thermal spraying	●
5.48 m boom	●
4.04 m arm	●
Quick coupler piping ***	○

MISCELLANEOUS	ZX95US-7
ConSite	○
Global e-service	●
Standard tool kit	●
Theft deterrent system****	●

Standard and optional equipment may vary by country, so please consult authorized dealer for details.

* Double washer is only when equipped with wide-view wipers.

** Rain guard cannot be install when Cab front top guard and cab ceiling tower guard ISO (OPG) Level II conformance (ISO10262: 1998) are installed.

*** Quick coupler piping shall be up to upper structure outlet.

**** Hitachi Construction Machinery cannot be held liable for theft, any system will just minimize the risk of theft.

Prior to operating this machine, including satellite communication system, in a country other than a country of its intended use, it may be necessary to make modifications to it so that it complies with the local regulatory standards (including safety standards) and legal requirements of that particular country. Please do not export or operate this machine outside the country of its intended use until such compliance has been confirmed. Please contact authorized dealer in case of questions about compliance.

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, read and understand the Operator's Manual for proper operation.