

SHORT REACH FRONT



ZX135US-7B SRF

The ZX135US-7B short reach front (SRF) excavator is a unique model in its class, which has been developed to increase efficiency when working in tunnelling, underground excavation and other confined-space applications. With a larger bucket capacity and stronger digging force than the standard ZX135US-7B, it offers a superior digging performance. It can also be used with heavier tools than the standard model, because of its enhanced hydraulic capacity. The demolition-spec cab offers improved visibility and exceptional safety for operators.

Discover the benefits

- ✓ Superior digging performance, and suitable for use with breaker and crusher
- ✓ Four lifting points for stable and safe transport.
- ✓ Demolition-spec cab with improved visibility.
- ✓ Improved bucket cylinder guard enhances durability.
- ✓ Interchangeable parts with standard Hitachi machines, ensuring easy maintenance and maximum uptime.

HYDRAULIC EXCAVATOR

Model code	: ZX135US-7B SRF
Engine rated power	: 78.5 kW (ISO 14396)
Operating weight	: 16 100 – 17 800 kg
Bucket capacity	: 0.62 m ³
Maximum digging reach	: 6 390 mm
Maximum digging depth	: 2 640 mm

SPECIFICATIONS

ZX135US-7B SRF	
ENGINE & HYDRAULIC SYSTEM	
Engine model	ISUZU 4JJ1
Engine type	4-cycle water-cooled, common rail direct injection
Aspiration	Turbocharged, intercooled, cooled EGR
Aftertreatment	DOC+CSF+SCR system
No. of cylinders	4
Rated power	
ISO 14396 : 2002 gross	78.5 kW at 2 000 min ⁻¹
ISO 9249 : 2007 net	74.9 kW at 2 000 min ⁻¹
Maximum torque	375 Nm at 1 800 min ⁻¹
Main pumps	2 variable displacement axial piston pumps
Maximum oil flow main pump	2 x 117 L/min
Pilot pump	1 gear pump
Maximum oil flow pilot pump	33.6 L/min

BUCKET AND ARM DIGGING FORCE	
Bucket digging force* ISO 6015 : 2006	104 kN
Arm crowd force* ISO 6015 : 2006	77 kN

OPERATING WEIGHT AND GROUND PRESSURE	
Shoe type	Pad shoe - Triple grouser
Shoe width	500 – 700 mm
Arm length	2.10 – 2.52 – 3.01 m
Monoblock boom operating weight	16 100 – 16 600 kg
Monoblock boom ground pressure	35 – 51 kPa
2-Piece boom operating weight	17 300 – 17 800 kg
2-Piece boom ground pressure	40 – 54 kPa
Optional blade weight width 2 490 mm	1 200 kg

WORKING RANGES	
Arm length	2.10 – 2.52 – 3.01 m
Monoblock boom	
Max. digging reach	8 010 – 8 820 mm
Max. digging depth	5 040 – 5 940 mm
Max. dumping height	6 530 – 7 220 mm
2-Piece boom	
Max. digging reach	7 960 – 8 820 mm
Max. digging depth	4 810 – 5 690 mm
Max. dumping height	6 690 – 7 420 mm

DIMENSIONS	
Undercarriage length	3 590 mm
Undercarriage width	2 490 mm
Overall width of upperstructure	2 480 mm
Overall height of cab	2 790 mm
Overall width	2 490 - 2 690 mm

* At power boost

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 your 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.