

SPECIFICATIONS

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				
ZX95US₇				
	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
ZX95USB₇				
	Quantity	Bore	Rod diameter	Stroke
Boom	1	115 mm	70 mm	915 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
Boom swing	1	110 mm	60 mm	563 mm
Positioning ¹	2	110 mm	60 mm	432 mm

¹ : For 2-Piece boom

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	10.1 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	ZX95US ₇	LpA 70 dB(A)
	ZX95USB ₇	LpA 69 dB(A)
External sound level according to ISO6395 : 2008 and EU Directive 2000/14/EC	ZX95US ₇	LwA 99 dB(A)
	ZX95USB ₇	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, CO ₂ e: 1.22 ton		

WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

			ZX95US ₋₇	
Boom type			Monoblock	
Shoe type	Shoe width (mm)	Arm length (m)	kg	kPa
Grouser shoe	450	2.12	8 410	37
	600	2.12	8 590	29
Rubber shoe	450	2.12	8 320	37
Pad crawler shoe	450	2.12	8 450	37

Including 0.28 m³ (ISO 7451:2007 heaped) bucket weight 211 kg and counterweight 1 165 kg.

			ZX95USB ₋₇			
Boom type			Monoblock		2-Piece	
Shoe type	Shoe width (mm)	Arm length (m)	kg	kPa	kg	kPa
Grouser shoe	450	1.62	-	-	9 170	41
		2.12	8 850	39	9 240	41
	600	1.62	-	-	9 350	31
		2.12	9 030	30	9 420	31
Rubber shoe	450	1.62	-	-	9 080	40
		2.12	8 760	39	9 150	41
Pad crawler shoe	450	1.62	-	-	9 210	41
		2.12	8 890	39	9 280	41

Including 0.28 m³ (ISO 7451:2007 heaped) bucket weight 211 kg and counterweight 1 165 kg.

BUCKET AND ARM DIGGING FORCE

Unit: kN

		ZX95US ₋₇
Boom type		Monoblock boom
Arm length		2.12 m
Bucket digging force* ISO 6015 : 2006		57.5
Bucket digging force SAE: PCSA		50.1
Arm crowd force* ISO 6015 : 2006		34.5
Arm crowd force SAE : PCSA		33.0

* At power boost

Unit: kN

		ZX95USB ₋₇		
Boom type		Monoblock boom	2-Piece boom	
Arm length		2.12 m	1.62 m	2.12 m
Bucket digging force* ISO 6015 : 2006		57.5	57.5	57.5
Bucket digging force SAE: PCSA		50.1	50.1	50.1
Arm crowd force* ISO 6015 : 2006		34.5	40.2	34.5
Arm crowd force SAE : PCSA		33.0	38.1	33.0

* At power boost