

SPECIFICATIONS

ENGINE

		ZW65	ZW75	ZW95
Model		KUBOTA V3307-DI-T		
Type		4-cycle water-cooled, direct injection		
No. of cylinders		4		
Maximum power	ISO 9249, net	45.6 kW / 2 200 min ⁻¹ (rpm)		53.1 kW / 2 400 rpm
	ISO 14396, ECE R120	46.6 kW / 2 200 min ⁻¹ (rpm)		54.6 kW / 2 400 rpm
Bore and stroke		94 mm x 120 mm		
Piston displacement		3.331 L		
Batteries		12V×781 CCA, 170-min. rated reserve		
Air cleaner		Double stage dry type		

POWER TRAIN

		ZW65	ZW75	ZW95
Transmission controls		Hydrostatic transmission (HST) automatically controls power and speed		
Travel speed: Forward & Reverse		20 km/h with 12.5-18 tires	20 km/h with 365/70R18 tires	20 km/h with 14.5-20 tires

AXLE AND FINAL DRIVE

		ZW65	ZW75	ZW95
Drive system		Four-wheel drive system		
Front & rear axle		Semi-floating		
	Front	Fixed to the front frame		
	Rear	Center pivot		
Oscillation angle		Total 22° (±11°)	Total 22° (±11°)	Total 22° (±11°)
Final drives		Heavy-duty, planetary final drive		

TIRES (tubeless)

		ZW65	ZW75	ZW95
Standard		12.5-18-10PR	365/70R18	14.5-20-12PR

BRAKES

		ZW65	ZW75	ZW95
Service brakes		Center-mounted drum brake hydraulic actuated		
Parking brake		Center-mounted drum brake mechanically actuated		

STEERING SYSTEM

	ZW65	ZW75	ZW95
Type	Articulated frame steering		
Steering mechanism	Full hydraulic power steering with orbitrol		
Steering angle	Each direction 40°; total 80°		Each direction 39°; total 78°
Relief pressure setting	18.1 MPa (185 kgf/cm ²)		
Cylinders	Double-acting piston type		
No. x Bore x Stroke	2 x 45 mm x 340 mm		2 x 50 mm x 340 mm
Minimum turning radius at the centerline of outside tire	3 515 mm		3 800 mm

HYDRAULIC SYSTEM

	ZW65	ZW75	ZW95	
Control lever type	Arm and bucket are controlled by mechanical single control lever			
Lift arm controls	Three position valve; Raise, lower, float			
Bucket controls	Two position valve; Tilt back, dump			
Quick-coupler controls	Three position valve			
Main pump (Loading & steering)	Gear type 72 L/min 2 200 min ⁻¹ (rpm) at 20.6 MPa (210 kgf/cm ²)	Gear type 80 L/min 2 200 min ⁻¹ (rpm) at 20.6 MPa (210 kgf/cm ²)	Gear type 88 L/min 2 400 min ⁻¹ (rpm) at 20.6 MPa (210 kgf/cm ²)	
Relief pressure setting	20.6 MPa (210 kgf/cm ²)			
Hydraulic cylinders	Type	Two lift arm and one bucket, double acting type		
	No. x Bore x Stroke	Lift arm: 2 x 80 mm x 652 mm Bucket: 1 x 90 mm x 367 mm	Lift arm: 2 x 85 mm x 652 mm Bucket: 1 x 95 mm x 367 mm	Lift arm: 2 x 95 mm x 635 mm Bucket: 1 x 110 mm x 396 mm
Filters	Full-flow 10 micron return filter before reservoir			
Hydraulic cycle times	Lift arm raise	5.5 s	5.6 s	6.2 s
	Lift arm lower	3.8 s	3.6 s	4.1 s
	Bucket dump	0.9 s		1.7 s

SERVICE REFILL CAPACITIES

	ZW65	ZW75	ZW95
Fuel tank	77 L		88 L
Engine coolant	11 L		
Engine oil	11 L		
Front axle differential & wheel hubs	6 L		
Rear axle differential & wheel hubs	8 L		
Hydraulic reservoir tank	46 L		53 L

NOISE LEVELS

The ZW65 / ZW75 / ZW95 conforms to the 2006 European Machine Directive Noise Level (2000/14/CE) of 99 dB(A) for this class of machine.

STANDARD & OPTIONAL EQUIPMENT

Note: ● Standard equipment ○ Optional equipment

	ZW65	ZW75	ZW95
ENGINE			
Coolant recovery tank	●	●	●
Environmentally friendly engine oil drain	●	●	●
Quick-release fuel filter and water separator	●	●	●
Preheat glow system (for cold start)	●	●	●
Double-element air cleaner	●	●	●
POWER TRAIN			
Hydrostatic transmission (HST), electronic shift control, hydrostatic oil cooler, inching pedal, and forward and reverse	●	●	●
HYDRAULIC SYSTEM			
Automatic bucket return-to-dig control	none	none	none
Hydraulic filters, vertical mounting	●	●	●
Two-function hydraulic valve with joystick control (mechanical controlled)	none	none	none
Three-function hydraulic valve with joystick control and auxiliary lever for third function (mechanical controlled)	●	●	●
ELECTRICAL			
12-volt electrical system	●	●	●
Standard batteries (1), 12 volt with 781 CCA, 170-min. rated reserve	●	●	●
Alternator, 80 amps and 12 volts	●	●	●
Lights Driving turn signals with guard / Stop, and tail lights (Conform to ISO12509)	●	●	●
Working lights, rear (2)	●	●	●
Horn, with push button at top of light lever and behind of multi-function joystick	●	●	●
Backup alarm	●	●	●
Monitor and warning system, multi-function electronic analog instruments: Engine coolant temperature / Fuel level / Hour-meter	●	●	●
Operator warning lights: Brake oil / Engine oil pressure / Engine water temp. / Air cleaner clogged / Parking brake / Alternator voltage (charge)	●	●	●
Indicator lights: Turn signals / forward / Reverse / Upper beam / Position lamp	●	●	●
Parking brake	●	●	●

	ZW65	ZW75	ZW95	
OPERATOR'S STATION				
ROPS*/FOPS** Cab	●	●	●	
Cab	Heater/Defroster	●	●	
	Seat belt, 50 mm	●	●	
Seat, fabric covered, mechanical suspension, adjustable for weight-height, fore-aft position, backrest tilt	●	●	●	
Rubber floormat	●	●	●	
Steering wheel, textured with spinner knob	●	●	●	
Rear view mirrors, outside (2)	●	●	●	
Handholds, steps, and slip resistant	●	●	●	
LOADER LINKAGE				
Z-bar loader linkage	●	●	●	
BUCKETS				
Full line of Hitachi coupler buckets with selection of bolt-on teeth				
General purpose bucket with bolt on teeth	0.7 m ³ (ISO heaped)	●	○	none
	0.85 m ³ (ISO heaped)	○	●	none
	1.05 m ³ (ISO heaped)	none	none	●
Light material handling bucket with bolt on teeth	0.85 m ³ (ISO heaped)	○	none	none
	1.05 m ³ (ISO heaped)	none	○	none

* : ROPS (Roll Over Protective Structure) Conforms to ISO 3471:1994

** : FOPS (Falling Objects Protective Structure) Conforms to ISO 3449; 2005