

ZW100

ZW120

G Type



WHEEL LOADER

- **Model Code:** ZW100-G / ZW120-G
- **Operating Weight:** ZW100-G: 6 530-7 100 kg
ZW120-G: 7 560-8 640 kg
- **Bucket Capacity:** ISO Heaped: ZW100-G: 1.1-1.6 m³
ZW120-G: 1.3-1.8 m³
- **Max. Engine Output:** ZW100-G: 62 kW (83 HP)
ZW120-G: 68 kW (91 HP)

ENGINE		ZW100-g	ZW120-g
Model		KUBOTA V3800-DI-T	KUBOTA V3800-DI-TI
Type		4-cycle water-cooled,direct injection	
Aspiration		Turbo charger	
No. of cylinders		4	
Maximum power	SAE J1349, with Fan net	62 kW (83 HP) at 2 100 min ⁻¹ (2 100 rpm)	68 kW (91 HP) at 2 100 min ⁻¹ (2 100 rpm)
	ISO 9249, with Fan net	62 kW (83 HP) at 2 100 min ⁻¹ (2 100 rpm)	68 kW (91 HP) at 2 100 min ⁻¹ (2 100 rpm)
Bore and stroke		100 mm x 120 mm	
Piston displacement		3.769 L	
Batteries		12Vx 662 CCA, 159-min.rated reserve	
Air cleaner		Double stage dry type	

POWER TRAIN		ZW100-g	ZW120-g
Transmission controls		Hydrostatic (HST) transmission automatically controls power and 2-speed	
Travel speed : Forward & Reverse		34.5 km/h with 16.9-24-10PR tires	34.5 km/h with 18.4-24-10PR tires

AXLE AND FINAL DRIVE		ZW100-g	ZW120-g
Drive system		Four-wheel drive system	
Front & rear axle		Semi-floating	
Front		Fixed to the front frame	
Rear		Center pivot	
Oscillation angle		total 24° (±12°)	
Final drives		Heavy-duty, planetary final drive	

TIRES (tubeless, nylon body)		ZW100-g	ZW120-g
Standard		16.9-24-10PR (L2)	18.4-24-10PR (L2)
Optional		15.5-25-8PR (L2)*	17.5-25-12PR (L2)*

BRAKES		ZW100-g	ZW120-g
Service brakes		Inboard mounted fully hydraulic wet disk	
Parking brake		Spring applied hydraulic released wet disk	

STEERING SYSTEM		ZW100-g	ZW120-g
Type		Articulated frame steering	
Steering mechanism		Full hydraulic power steering with orbitrol®	
Steering angle		Each direction 40°; total 80°	
Cylinders		Double-acting piston type	
No. x Bore x Stroke		2 x 60 mm x 395 mm	2 x 60 mm x 395 mm
Minimum turning radius at the centerline of outside tire		4 440 mm	4 690 mm

HYDRAULIC SYSTEM		ZW100-g	ZW120-g
Arm and bucket are controlled by mechanical single control lever			
Arm controls		Four position valve; Raise, hold, lower, float	
Bucket controls		Two position valve; Roll back, dump	
Main pump	(Load & steer)	Gear type 108 L/min 2 100 min ⁻¹ (rpm) at 20.6 MPa (210 kgf/cm ²)	Gear type 117 L/min 2 100 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 arm and one bucket, double acting type	
No. x Bore x Stroke		Arm: 2 x 90 mm x 760 mm Bucket : 1 x 110 mm x 421 mm	Arm: 2 x 105 mm x 710 mm Bucket : 1 x 125 mm x 445 mm
Filters		Full-flow 10 micron return filter before reservoir	
Hydraulic cycle times			
	Arm raise	5.0 s	5.7 s
	Arm lower	3.0 s	2.7 s
	Bucket dump	1.0 s	1.2 s

SERVICE REFILL CAPACITIES		ZW100-g	ZW120-g
Fuel tank		130 L	150 L
Engine coolant		14 L	
Engine oil		18 L	
Front axle differential & wheel hubs		10 L	14 L
Rear axle differential & wheel hubs		10 L	14 L
Hydraulic reservoir tank		75 L	80 L

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*When the optional tires are selected, the weights and the heights are changed as follows:

15.5-25-8PR (L2) Operational weight: -60 kg, Height:-5 mm
18.4-24-10PR (L2) Operational weight: -10 kg, Height:-5 mm

STANDARD AND OPTIONAL EQUIPMENT

Section	Components	ZW100-g	ZW120-g
Cabs			
	Canopy	○	○
	ROPS/FOPS cab	●	●
Front attachments			
	High lift arm	●	●
	Quick coupler (hydraulic/mechanical)	●	●
	Lift arm kickout	●	●
	Bucket cylinder rod guard	●	●
Forks			
	Lumber fork (pin/coupler)	●	●
	Lumber fork (pin) for high lift arm	●	●
Undercarriage			
	Torque proportioning differential (TPD)	○	○
	Limited slip differential (LSD)	●	●
	Electric parking brake	○	○
	Emergency steering system	●	●
	Underguard	●	●
	Ride control	●	●
Miscellaneous			
	Wide fin radiator	●	●
	Suction fan & radiator dust screen	●	●
	Precleaner	●	●
	Backup buzzer	○	○
	Loud backup buzzer	●	●
	Rear under-mirror	●	●
	Anti-corrosive paint (pipes & electric wiring connectors)	●	●
	Air cleaner for double elements	○	○
	Lifting lugs	●	●
	Full rear fender	●	●
	Large capacity alternator	○	○
	Air condenser dust screen	●	●

CAB AND CANOPY SPECIFICATIONS

○: Standard equipment ●: Optional equipment ×: No setting

Section	Components	ROPS/FOPS Cab	Canopy
Operator station			
	Full auto air conditioner	○	×
	Seat belt (2 inches)	×	○
	Seat belt (2 inches)*	○	×
	Seat belt (3 inches)*	●	×
	Tilttable steering column	○	○
	Sun visor	○	×
	AM/FM stereo radio	○	×
	Ashtray, cigar lighter	×	×
	Drink holder	○	×
	Large tray	○	×
	Hot & cool box	○	×
	Front windshield wiper (2-speed, intermittent) w/washer	○	×
	Rear windshield wiper w/washer	○	×
	Floor mat	○	○
	Quick shift switch (QSS)	○	○
	Implement lever lock	○	○
	Forward/rearward lever lock	○	○
	Hazard lamp	○	○
	Working light switch	○	○
	Door locks (inside/out)	○	×
	Room mirrors (2)	○	×
	Outer mirror	○	○
	12-V PTO (power take off)	●	×
	Immobilizer	●	●
Operator seat			
	Mechanical suspension seat (cloth-covered)	○	×
	Mechanical suspension seat (vinyl-covered)	●	●
	Air suspension seat w/headrest	●	×
	Fixed seat (vinyl-covered)	●	○
Lights			
	Headlights	○	○
	Rear combination lamps	○	○
	Backup light	○	○
	Front working lights (2)	○	×
	Extra front working lights (2) mounted on cab	●	×
	Rear working lights (2) built in rear grille	○	○
	Extra rear working lights (2) mounted on cab	●	×
Valves, levers (cable-operated)			
	2-spool valve w/mono lever	○	○
	3-spool valve w/mono lever + 1 lever	●	●
	4-spool valve w/mono lever + 1 lever	●	●
Valves, levers (pilot-controlled)			
	2-spool valve w/mono lever	●	×
	3-spool valve w/mono lever + 1 lever	●	×
	4-spool valve w/mono lever + 1 lever	●	×
	Global e-service	●	×

*Retractable type for cab model with suspension seat

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