

# 45ZV-2 WHEEL LOADER

**TUTT BRYANT**  
EQUIPMENT SALES



## Versatile. Efficient. Comfortable.

Panoramic ROPS Canopy. Radio Ready, Adjustable Suspension Seat with Seat Belt, Single Lever Hydraulic Controls, 3rd Spool Valve (no piping), Electronically controlled Hydrostatic Transmission, 2 speed. Torque proportioning differentials F & R, Semi Floating Front & Rear Axles with  $\pm 11$  Degrees Oscillation on Rear. Internal wet disc in front axle, Reverse Alarm, Horn, Neutral Start Switch, Performance Warning Lights, Monitoring Gauges, Fan Guard. Easy Ladder Access to Both Sides, Automatic park brake, Eco Mode (reduced fuel consumption, quick coupler (hook on), inching pedal.

ENGINE		45ZV-2	
Type		4-cycle water-cooled, direct fuel injection, diesel	
Make/Model		Kubota V3307-DI-T	
Net power (SAE J1349)		61 HP (45.6 kW) at 2,200 RPM	
Number of cylinders		4	
Bore and stroke		3.70" x 4.72" (94mm x 120mm)	
Total displacement		203.2 in <sup>3</sup> (3.3 liters)	
Starter		D 12V-3.0kW (4.0 HP)	
Cooling module type		Mechanically operated cooling fan, pressurized radiator	
Alternator		AC 12V-80A	
Battery CCA capacity x unit		12V-64AH (565 CCA), 1 unit	
TRANSMISSION		45ZV-2	
Type		Electrically controlled hydrostatic transmission	
Pump		Variable load sensing bi-directional piston pump	
Motors		Automatic piston motor	
Control method		Column-mounted fingertip operated single control lever	
Speeds	Forward	1st: 7.4 MPH (12 km/hr) 2nd: 21.1 MPH (34 km/hr)	
	Reverse	1st: 7.4 MPH (12 km/hr) 2nd: 21.1 MPH (34 km/hr)	
AXLE/BRAKES		45ZV-2	
Type		Full-floating axles w/outboard-mounted planetaries	
Reduction/Differential gear		Spiral bevel gear, 1 stage reduction, conventional type	
Rear axle oscillation		±11	
Service brakes		Inboard-mounted wet discs in front axle	
Parking/Emergency brake		Spring-applied, hydraulic-released wet disc	
TIRES		45ZV-2	
Tires		17.5/65-20 10PR	
HYDRAULIC/STEERING		45ZV-2	
Hydraulic system		Single pump delivers flow to loader and steering functions. Air-to-oil cooled.	
Steering system		Articulated frame steering. Hydraulic power steering has priority over loader functions	
Pump type and flow		Gear: 21.0 GPM (80.3 LPM) at 2,200 RPM	
Pressure	Loader	2990 psi, 20.6 MPa (210 kg/cm <sup>2</sup> )	
	Steering	2625 psi, 18.1 MPa (185 kg/cm <sup>2</sup> )	
Hydraulic cycle times	Arm raise	5.0 sec.	
	Arm lower	3.5 sec.	
	Bucket dump	1.0 sec.	
	Total	9.5 sec.	
	Boom	(2) 3.35" x 21.73" (85mm x 552mm)	
SERVICE REFILL CAPACITIES		45ZV-2	
Fuel tank		20.6 gal.	(78.0 L)
Engine oil		3.0 gal.	(11.0 L)
Engine (coolant)		2.6 gal.	(10.0 L)
Axle, front/rear		1.6 gal./1.7 gal.	(6.2 L)/(6.4 L)
Transmission/hydraulic system w/tank		19.3 gal.	(73.0 L)
Transmission/hydraulic tank		13.2 gal.	(50.0 L)
Reduction gear box (gear oil)		0.3 gal.	(1.0 L)

