

TW40 Wheel Loader
COMPETITIVE DETAILS

	Takeuchi TW40	Kubota 420S	Kubota 520S	Wacker	WL30	Wacker WL36	Wacker 5055	Yanmar V4-6
PERFORMANCE								
Loader Boom Design	Z Bar	Z Bar	Z Bar	Z Bar	Z Bar	Z Bar	Z Bar	Z Bar
Operating Weight	7,275 lb (3,300 kg)	7,450 lb (3,379 kg)	8,980 lb (4,073 kg)	6,724 lb (3,049 kg)	8,000 lb (3,628 kg)	7,606 lb (3,450 kg)	8,014 lb (3,635 kg)	
Tipping Load, Straight	3,858 lb (1,750 kg)	4,585 lb (2,079 kg)	5,190 lb (2,354 kg)	4,215 lb (1,911 kg)	5,699 lb (2,585 kg)	4,752 lb (2,155 kg)	6,070 lb (2,753 kg)	
Tipping Load, Full Turn	3,417 lb (1,550 kg)	3,850 lb (1,746 kg)	4,410 lb (2,000 kg)	3,583 lb (1,625 kg)	4,833 lb (2,192 kg)	NP	5,058 lb (2,294 kg)	
Operating Capacity*	1,708 lb (775 kg)	1,925 lb (873 kg)	2,205 lb (1,000 kg)	1,792 lb (812 kg)	2,417 lb (1,096 kg)	NP	2,535 lb (1,149 kg)	
Bucket Breakout Force	4,878 lb (2,213 kg)	6,550 lb (2,971 kg)	7,425 lb (3,367 kg)	9,089 lb (4,122 kg)	8,780 lb (3,982 kg)	6,295 lb (2,855 kg)	6,085 lb (2,760 kg)	
Lift Arm Breakout Force	4,181 lb (1,896 kg)	NP	NP	7,259 lb (3,292 kg)	8,330 lb (3,778 kg)	7,306 lb (3,313 kg)	7,451 lb (3,379 kg)	
Traction Force	5,620 lb (2,549 kg)	5,500 lb (2,494 kg)	6,170 lb (2,798 kg)	NP	NP	NP	NP	

*Operating capacity is 50% of full turn tipping load with bucket according to SAE J818

ENGINE								
Make / Model	Perkins / 403D-15T	Kubota / D1503-M-T-E3	Kubota / V2203-M	Perkins / 404D-22	Perkins / 404D-22	Yanmar 4NNKAC	Yanmar / 4TNV88C-NKAH	
Tier Rating	EPA Interim Tier 4	EPA Interim Tier 4	EPA Interim Tier 4	EPA Interim Tier 4	EPA Interim Tier 4	EPA Final Tier 4	EPA Final Tier 4	
Horsepower	39.4 hp (29.4 kW)	39.2 hp (29.2 kW)	43.9 hp (32.7 kW)	48.0 hp (35.7 kW)	48.0 hp (35.7 kW)	47.0 hp (35 kW)	40.9 hp (30.4 kW)	
Rated Engine Speed	2,800 rpm	2,600 rpm	2,600 rpm	2,600 rpm	2,600 rpm	NP	2,500 rpm	
Maximum Torque	82.6 ft-lb (111.9Nm)	NP	NP	NP	NP	NP	NP	

DRIVETRAIN								
Differential Lock	45% Front Only	Limited Slip	100%	100%	100%	100%	NP	
Steering Articulation	40 deg	40 deg	40 deg	40 deg	45 deg	40 deg	40 deg	
Frame or Axle Oscillation	12 deg	8 deg	8 deg	12 deg	12 deg	11.5 deg	8 deg	
Travel Speed Low Range	4.0 mph (6.5 km/hr)	3.1 mph (4.9 km/hr)	3.1 mph (5.0 km/hr)	4.6 mph (7.4 km/hr)	4.4 mph (7.1 km/hr)	NP	NP	
Travel Speed High Range	12.4 mph (20 km/hr)	12.5 mph (20.1 km/hr)	12.5 mph (20.1 km/hr)	12.4 mph (20 km/hr)	12.4 mph (20 km/hr)	12.4 mph (20 km/hr)	11.8 mph (30 km/hr)	
Optional High Speed Travel	NA	NA	NA	NP	NA	18.6 mph (30 km/hr)	NA	

HYDRAULIC SYSTEM								
Hydraulic Reservoir Capacity	7.4 gal (28 L)	11.1 gal (42 L)	11.1 gal (42 L)	8.4 gal (32 L)	17.2 gal (65 L)	15.3 gal (57.9 L)	NP	
Auxiliary Flow - Standard	10.3 gpm (39 L/m)	11.1 gpm (42 L/m)	15.4 gpm (58 L/m)	12.9 gpm (48.8 L/m)	16.5 gpm (62.4 L/m)	NP	14.8 gpm (56 L/m)	
Auxiliary Flow - Optional	NA	NA	NA	NP	NP	NP	NA	
Hydraulic System Pressure	3,988 psi (27.5 MPa)	2,700 psi (18.6 MPa)	2,700 psi (18.6 MPa)	3,046 psi (21 MPa)	3,045 psi (21 MPa)	3,408 psi (23.4 MPa)	3,000 psi (20.6 MPa)	

DIMENSIONS								
Wheelbase	5' 7.5" (1,715 mm)	5' 10" (2,006 mm)	6' 5" (1,950 mm)	5' 8" (1,727 mm)	6' 7.5" (2,019 mm)	6' 0" (1,828 mm)	6' 2" (1,879 mm)	
Outside Turning Radius	10' 4.5" (3,162 mm)	NP	NP	11' 4" (3,454 mm)	12' 1" (3,683 mm)	8' 10" (2,692 mm)	12' 6" (3,810 mm)	
Maximum Lift Height to Bucket Pin	9' 6.5" (2,907 mm)	9' 3" (2,540 mm)	10' 10.3" (3,309 mm)	10' 6" (3,208 mm)	10' 7.5" (3,238 mm)	9' 11.7" (3,022 mm)	9' 10" (2,997 mm)	
Dump Height Fully Raised	7' 6" (2,150 mm)	7' 4" (2,235 mm)	8' 9.2" (2,667 mm)	7' 11" (2,413 mm)	7' 11.5" (2,425 mm)	7' 7.3" (2,319 mm)	7' 11" (2,413 mm)	
Reach Fully Raised	2' 8.2" (817 mm)	2' 7" (782 mm)	2' 10" (861 mm)	1' 1" (330 mm)	11.6" (294 mm)	11.8" (279 mm)	2' 7" (482 mm)	
Overall Width Without Bucket	5' 0" (1,530 mm)	5' 0" (1,524 mm)	5' 9.3" (1,760 mm)	4' 5" (1,346 mm)	5' 1" (1,549 mm)	5' 2.6" (1,574 mm)	5' 7" (1,701 mm)	
Overall Height	7' 10.5" (2,480 mm)	8' 3" (2,108 mm)	8' 5.6" (2,565 mm)	7' 3.8" (2,230 mm)	7' 7" (2,308 mm)	7' 9.7" (2,362 mm)	8' 5" (2,565 mm)	
Minimum Ground Clearance	13.3" (345 mm)	11.3" (279 mm)	12.8" (325 mm)	10.3" (261 mm)	11.7" (297 mm)	10.6" (269 mm)	12.0" (304 mm)	