

TW50

# TAKEUCHI<sup>®</sup>

*The Power of Product and Support*



*All Takeuchi wheel loaders share our commitment to the highest standards in quality and performance. They are engineered to be durable and powerful while providing mobility and stability. The specifications and features make the TW50 reliable to own, comfortable to operate and a performance leader on the job.*

*When you invest in a Takeuchi, you receive over five decades of equipment innovation, the quality assurance of ISO-9001 certification and responsive after sales support from an industry leader.*

*Try a Takeuchi and feel the power.*

## TW50 Wheel Loader

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- Spacious and comfortable operator's compartment allows for productive and fatigue-free operation

- Hydrostatic drive system with outboard planetary final drives provides durable and efficient power transfer

- Momentary pushbutton control of 100% front and rear axle differential lock provides additional traction in harsh terrain

- Frame oscillation and articulation enhances mobility, stability and operator comfort

- Forward, neutral and reverse functions controlled on-the-go with a thumb slide switch

## DIMENSIONS AND WEIGHT

Operating Weight (lbs).....	8,708
Overall Width w/o Bucket (HD tires).....	65.0"
Overall Height (Canopy).....	102"
Overall Length With Bucket.....	202.4"
Maximum Lift Height to Bucket Pin.....	128.7"
Dump Height Fully Raised.....	100.4"
Max. Dump Angle Fully Raised.....	45°
Max. Bucket Rollback at Ground Level.....	48°
Reach Fully Raised.....	13.4"

## PERFORMANCE

Tipping Load, Straight (lbs).....	6,790
Tipping Load, Full Turn (lbs).....	5,975
Operating Capacity (lbs)	
50% of Full Turn Tipping Load.....	2,789
Breakout Force (lbs) Bucket Cylinders.....	8,992
Lift Capacity at Ground Level (lbs).....	7,644
WITH PALLET FORKS	
Static Tipping Load,	
Straight and Articulated (lbs).....	4,716
Lifting Capacity (lbs/ft).....	6,070
Payload 80% Even Surface (lbs).....	3,772
Payload 60% Uneven Surface (lbs).....	2,828
CYCLE TIME	
Raise-Full Load (seconds).....	5.0
Lower-No load (seconds).....	4.0
Dump-Full Load (seconds).....	1.5

## HYDRAULIC SYSTEM

Hydraulic Reservoir Capacity (gal).....	15.9
Auxiliary Hydraulic Flow (gpm).....	15.9
System Operating Pressure (psi).....	3,336

## ENGINE

Make/Model.....	Perkins 404C-22
Horsepower/RPM (SAE gross).....	51 / 2,800
Maximum Torque (ft-lb/rpm).....	105 / 1,800
Cylinders/CID.....	4 / 135.5
Engine Lubrication (qt).....	10.6
Cooling System (qt).....	4.8
Fuel Tank Capacity (gal).....	16.2
Fuel Consumption (65% of full load) gal/hr.....	1.9
Electrical System (volt/amp).....	12 / 65

## UNDERCARRIAGE

Transmission Type.....	Hydrostatic
Axle Type.....	Planetary Rigid Axles
Parking/Service Brake.....	Drum Type
Tires	Heavy Duty      Flotation
.....	12.5/80-18 10-ply.....15-19.5 8-ply
Tread Width.....	52.4"
Wheelbase.....	78.3"
Articulation.....	40° / 40°
Oscillation.....	+ or - 12°
Travel Speed (mph).....	12.4
Ground Clearance.....	17.3"

## OPTIONAL BUCKETS

	General Purpose	Construction
Width.....	71.0"	77.0"
Capacity SAE Heaped (cu yd)		
.....	1.11	1.05

## STANDARD FEATURES

- Low and high range travel speed
- ROPS/FOPS certified operator's compartment
- Operator's compartment entry and exit grab handles and steps
- Dual element air cleaner with restriction indicator
- Front and rear work lights
- Automatic fuel bleed system
- Hydraulic quick attach
- Bucket float function
- Six-way adjustable suspension seat with retractable seat belt
- Two cab mounted rear view mirrors
- Back-up alarm
- Vandalism protected lockable engine compartment
- Lift arm safety stop
- Ergonomically designed arm rests
- Auxiliary hydraulic lines conveniently plumbed to bottom of loader arms
- 100% hydraulic inching pedal
- Sun visor, ceiling lamp and storage compartment
- Rear tires follow the same track as front tires
- Parallel lift kinematics
- Automatic Bucket Positioning