

# TL230 SERIES 2

## Rubber Track Loader



*All Takeuchi loaders share our commitment to the highest standards in quality and performance. They are engineered with the power and strength of a track loader in an agile and maneuverable size. The specifications and features make the TL230 reliable to own, comfortable to operate and a performance leader on the job.*

*We feature an industry leading 2-year/2000 hour FULL machine warranty as standard.*

*An optional P3 Power Protection Plan provides peace of mind with selectable coverage levels for Powertrain, Powertrain and Hydraulics, or a no deductible, full machine plan.*

*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.*

# TAKEUCHI®

*The Power of Product and Support*

# TL230 SERIES 2 Rubber Track Loader

## OPERATING PERFORMANCE

Operating Weight (w 165 lb operator)	Canopy 8,311 lb (3,770 kg)
Standard machine with bucket	Cab 8,609 lb (3,905kg)
Tipping Load	5,400 lb (2,450 kg)
Rated Operating Capacity (SAE J18 standard 35% tipping load*)	1,885 lb (855 kg)
Operating Load at 50% of Tipping Load	2,700 lb (1,225 kg)
Rated Operating Capacity with Optional Counterweight	2,149 lb (975 kg)
Bucket Breakout Force	6,728 lb (3,051 kg)
Lift Arm Breakout Force	6,709 lb (3,079 kg)
Traction Force (lbs)	9,106 lb (4,130 kg)
Capacity SAE Heaped (cu ft) (Bucket optional)	14 cu ft (0.39m <sup>3</sup> )
Cycle time	
Raise-Full Load (Seconds)	4
Lower-No Load (Seconds)	2.7
Dump-Full Load (Seconds)	2.6
Curl-No Load (Seconds)	2.0

\* Operating capacity of track loaders to be rated according to SAE J1818 at not more than 35% of the tipping load

## ENGINE

Make/Model	Kubota V3307D1-Turbo
Cylinders/Displacement	4/203 cu in (3.3L)
Horsepower Gross (SAE J1995)	71 hp (53 Kw)
Horsepower Net (SAE 1349)	68.4 hp (51 Kw)
Rated Engine Speed	2500 rpm
Maximum Torque	182 ft-lb @ 1600rpm (248 Nm)
Engine Lubrication	11.2 qt (11.8L)
Cooling System	13.7 qt (13L)
Fuel Tank Capacity (gal)	19.8 gal (75L)
Fuel Consumption (65% of full load)	2.64 gal/hr (9.9L/hr)
Electrical System	12 volts / 60 amps

## UNDERCARRIAGE

Traction Drive Type	Hydrostatic drive system with double reduction planetary final drive	
Parking Brake	Spring applied, hydraulically released, multiple wet friction disk	
Track Roller Type	Large, outside running, permanently sealed rollers with precision material face seals	
Track Rollers (per side)	5	
Track Width	12.6 in (320 mm)	
Track Ground Contact Length	54.7 in (1390 mm)	
Ground Pressure (psi)	Canopy	Cab
	5.4	5.6
Maximum Travel Speed		
Low Range	4.5 mph (7.4 km/hr)	
High Range	6.8 mph (11 km/hr)	

## HYDRAULIC SYSTEM

Hydraulic Reservoir Capacity (gal)	10.6 gal (39L)
Hydraulic System Capacity	15.3 gal (58L)
Auxiliary Hydraulic Flow (gpm)	18 gal/min (68 L/min)
Auxiliary Hydraulic Pressure (psi)	3000 psi (20,684 k/Pa)

## DIMENSIONS

Front Clearance Radius with Bucket	82.8 in (2103 mm)
Rear Clearance Radius	62.7 in (1590 mm)
Angle of Departure	30 degrees
Maximum Lift Height to Bucket Pin	119.3 in (3030 mm)
Dump Height Fully Raised	93.4 in (2370 mm)
Maximum Dump Angle Fully Raised	38.6 degrees
Maximum Bucket Rollback at Ground Level	39.3 degrees
Reach Fully Raised	28.8 in (730 mm)
Overall Width Without Bucket	62.2 in (1580 mm)
Recommended Bucket Width	67.5 in (1714 mm)
Overall Height	
Canopy	83.9 in (2130 mm)
Cab	88 in (2235 mm)
Overall Length with Bucket	
	137 in (3480 mm)
Minimum Ground Clearance	
	12.2 in (310 mm)

## FEATURES

- Large operator's compartment offers ISO certified ROPS and FOPS protection for safety and peace of mind.
- Optional enclosed cab with heater, air conditioning, AM/FM radio, windshield wiper and a roll up door that allows the machine to be operated with the door open or closed
- Rear pivoting seat bar with built-in arm rest
- Front and rear halogen work lights
- Standard safety features include: Back-up alarm, retractable seat belt, lift arm safety stop and two cab mounted rear view mirrors
- Standard tilt-back operator's compartment comes equipped with large grab handles and steps for easy entry
- Low effort pilot operated controls, standard six-way adjustable suspension seat and rear pivoting seat bar with integrated arm rest all contribute in providing a comfortable environment for fatigue free operation.
- Standard 14-pin connector with push button control for operating various attachments
- Standard flat face coupler body that relieves the auxiliary circuit pressure on the machine for easier connections to attachments
- Heavy duty universal quick hitch attachment mounting bracket standard (optional Hydraulic quick hitch available, standard on cab units)
- Hydraulic self-leveling as standard equipment allows for easy operating and load positioning.
- Electrohydraulic push-button and proportional control of auxiliary hydraulics with standard detent and selectable one-way operation for total attachment control
- Push button boom float with float detent for easy and effective back dragging
- The strongest frame available supporting the most durable undercarriage in the market, an ideal combination of floatation and traction for almost any condition
- 12.6" wide rubber tracks with integrated steel cables and forged steel inserts
- Permanently sealed, steel track rollers with extreme duty, precision metal face seals for added durability in the harshest environments
- Standard 2-speed travel offering improved productivity in many conditions
- Grease-type track adjuster offers quick and efficient track adjustment
- Takeuchi's radial boom design offers the highest strength available for heavy excavating with fewer wear points for reduced maintenance time and cost.
- Flow through side by side radiator/hydraulic oil cooler module mounted on a swing out frame
- EPA Interim Tier 4 compliant engine that is both efficient and powerful
- Lockable engine compartment and fuel tank for vandalism protection
- Unrivaled breakout and tractive forces ensure extraordinary production
- Easy to access, dual element air cleaner with standard pre cleaner
- Enhanced machine monitoring system with fuel and coolant temperature gauge
- Automatic fuel-bleed system for effortless starting