

# TB175 Excavator



*All Takeuchi excavators share our commitment to the highest standards in quality and performance. They are the product of extensive research, field testing, evaluation and refinement. The specifications and features make the TB175 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**<sup>®</sup>  
*The Power of Product and Support*

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## OPERATING PERFORMANCE

Operating Weight (w 165 lb operator)	Cab Rubber Track 17,230 lb (7,815 kg)	Steel Track 17,515 lb (7,945 kg)
Maximum Digging Depth	15 ft 2 in (4,610 mm)	
Maximum Dump Height	17 ft 2 in (5,230 mm)	
Maximum Digging Radius	24 ft 3 in (7,385 mm)	
Maximum Bucket Digging Force	15,311 lb (6,945 kg)	
Maximum Arm Digging Force	7,507 lb (3,405 kg)	
Arm Length	7 ft 0 in (2,130 mm)	
Slew speed	10 rpm	
Traction Force (lbs)	18,519 lb (8,400 kg)	
Sound Level (noise)	74 dB(A)	

## ENGINE

Make/Model	Yanmar 4TNV98	
Tier Rating	EPA Interim Tier 4	
Cylinders/Displacement	4/202 cu in (3.3L)	
Horsepower Gross (SAE J1995)	64.6 hp (48.2 Kw)	
Horsepower Net (SAE 1349)	60.8 hp (45.3 Kw)	
Rated Engine Speed	2300 rpm	
Maximum Torque	179 ft-lb @ 1500 rpm (242.3 Nm)	
Engine Lubrication	10.8 qt (10.2L)	
Cooling System	12.7 qt (12.0L)	
Fuel Tank Capacity	31.7 gal (120L)	
Fuel Consumption (65% of full load)	2.3 gal/hr (8.7L/hr)	
Electrical System	12 volts / 80 amps	

## UNDERCARRIAGE

Traction Drive Type	Piston travel motors with planetary drive reduction and automatic shift down	
Parking Brake	Spring applied, hydraulically released, multiple wet friction disk	
Track Roller Type	Permanently sealed, triple flanged rollers	
Track Rollers (per side)	5	
Track Width	Rubber 17.7 in (450 mm)	Steel 21.7 in (550 mm)
Track Ground Contact Length	7 ft 3 in (2,210 mm)	
Ground Pressure	Rubber 4.8 psi	Steel 4.9 psi
Maximum Travel Speed		
Low Range	1.8 mph (2.9 km/hr)	
High Range	3.4 mph (5.5 km/hr)	

## HYDRAULIC SYSTEM

Pump Type	Twin variable displacement piston pumps with two gear pumps	
Total Hydraulic Flow (gpm)	18.3 x 2 + 14 x 1 + 2.8 x 1	
Auxiliary Hydraulic Flow	18.3 gal/min (69.3L/min)	
Auxiliary Hydraulic Pressure (adjustable)	4000 psi (27,579 k/Pa)	
Hydraulic Reservoir Capacity	18.0 gal (68.1L)	
Hydraulic System Capacity	37.5 gal (135L)	

## DIMENSIONS

Max Dig Depth	15 ft 2 in (4610 mm)
Max Dump Height	17 ft 2 in (5230 mm)
Max Reach Ground Level	24 ft 3 in (7385 mm)
Max Vertical Dig Depth	12 ft 8 in (3855 mm)
Max Dig Depth with 2 ft Flat Bottom	15 ft 5 in (4597 mm)
Max Dig Depth with 8 ft Flat Bottom	14 ft 1 in (4293 mm)
Width	7 ft 5 in (2260 mm)
Height	8 ft 7 in (2615 mm)
Length (Transport)	21 ft 8 in (6590 mm)
Ground Clearance	14.2 in (360 mm)
Dozer Blade Height	19.7 in (500 mm)
Independent Boom Swing Angle	80° Left / 50° Right
Min Front Swing Radius	6 ft 2 in (1810 mm)
Tail Swing Radius	5 ft 8 in (1720 mm)

Lift Capacities at 9 ft 10 in (3.0m) radius		
	over front, Blade down	over side
+5 ft (1.5 m)	4,555 lb (2066 kg)	2,996 lb (1359 kg)
Ground Level	6,266 lb (2842 kg)	2,663 lb (1208 kg)
-1 ft 6 ft (.45 m)	6,327 lb (2870 kg)	2,604 lb (1181 kg)

## FEATURES

- Wide angle independent boom swing
- Large enclosed cab with heater, defrost, high capacity air conditioning, wiper, deluxe AM/FM radio with Mp3 jack and retractable front large top window and removeable lower section
- Sliding operators station with ten-way adjustable high-back suspension seat and head rest
- Standard safety features include: FOPS level 2 enclosed cab, travel alarm, retractable seat belt, two front mounted work lights, and safety lockout feature for the operating controls
- Interim Tier 4 compliant engine that is efficient and quiet
- One touch engine decelerator
- Electronic engine monitoring system
- Automatic fuel bleed system
- Push button throttle control with three preset operating modes
- Heavy duty, side-by-side radiator/hydraulic oil cooler with debris screen
- 12 volt electrical system
- Two speed travel with automatic shift down
- Triple flanged track rollers
- Straight travel with simultaneous operation of digging and swing functions
- Available with steel or rubber tracks
- Two speed slew
- Electrohydraulic push button and proportional slide switch control of auxiliary hydraulics
- Two-way auxiliary hydraulics plumbed to arm
- Variable displacement piston pumps
- Precise and responsive, proportional pilot joystick controls
- Quick change control selector valve for SAE or ISO pattern
- Simultaneous operation of cab swing and two digging functions with no reduction in working speed
- Cast iron, wrap around protective counter-weight
- Hydraulic sight gauge
- Remote lubrication of slew and boom swing cylinders
- Cushioned main boom, arm and swing cylinders
- Main boom cylinder guards
- Vandalism protected lockable fuel tank and engine compartments
- Lockable tool storage compartment
- Protective routing of hydraulic hoses
- O-ring and grease seals installed on bucket pins
- Tie down points integrated into the frame