

TB235 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 TB235 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

TB235 Excavator

OPERATING PERFORMANCE

Operating Weight (w 165 lb operator)	Canopy 7,650 lb (3,469 kg)
Standard machine with bucket and rubber tracks	Cab 7,950 lb (3,605 kg)
Maximum Digging Depth	11 ft 2 in (3,400 mm)
Maximum Dump Height	12 ft 6 in (3,815 mm)
Maximum Digging Radius	17 ft 6 in (5,345 mm)
Maximum Bucket Digging Force	8,582 lb (3,893 kg)
Maximum Arm Digging Force	3,597 lb (1,632 kg)
Arm Length	5 ft 3 in (1,600 mm)
Traction Force (lbs)	8,871 lb (4,024 kg)
Sound Level (noise)	75 dB(A)

ENGINE

Make/Model	Yanmar 3TNV88
Cylinders/Displacement	3/100 cu in (1.6L)
Horsepower Gross (SAE J1995)	29.8 hp (22.2 Kw)
Horsepower Net (SAE 1349)	28.8 hp (21.5 Kw)
Rated Engine Speed	2400 rpm
Maximum Torque	79 ft-lb @ 1440 rpm (107 Nm)
Engine Lubrication	5 qt (4.7L)
Cooling System	9.2 qt (8.7L)
Fuel Tank Capacity	14 gal (53L)
Fuel Consumption (65% of full load)	0.9 gal/hr (3.4L/hr)
Electrical System	12 volts / 40 amps

UNDERCARRIAGE

Traction Drive Type	Hydrostatic drive system with automatic shift down	
Parking Brake	Spring applied, hydraulically released, multiple wet friction disk	
Track Roller Type	Large, permanently sealed rollers with precision metal face seals	
Track Rollers (per side)	4	
Track Width	13.8 in (350 mm)	
Track Ground Contact Length	65.1 in (1655 mm)	
Ground Pressure	Canopy	Cab
	3.8 psi	4.0 psi
Maximum Travel Speed		
Low Range	1.6 mph (2.6 km/hr)	
High Range	3.1 mph (5.0 km/hr)	

HYDRAULIC SYSTEM

Pump Type	Twin variable displacement piston pumps with two gear pumps	
Total Hydraulic Flow (gpm)	10.3 x 2 + 6.0 x 1 + 2.8 x 1	
Auxiliary Hydraulic Flow	16.3 gal/min (61.8L/min)	
Auxiliary Hydraulic Pressure (adjustable)	3000 psi (20,684 k/Pa)	
Hydraulic Reservoir Capacity	9.2 gal (35L)	
Hydraulic System Capacity	17.7 gal (67L)	

DIMENSIONS

Max Dig Depth	11 ft 2 in (3400 mm)
Max Dump Height	12 ft 6 in (3815 mm)
Max Reach Ground Level	17 ft 6 in (5345 mm)
Max Vertical Dig Depth	8 ft 6 in (2600 mm)
Max Dig Depth with 2 ft Flat Bottom	11 ft 1 in (3377 mm)
Max Dig Depth with 8 ft Flat Bottom	9 ft 10 in (2996 mm)
Width	5 ft 4 in (1630 mm)
Height	8 ft (2450 mm)
Length (Transport)	16 ft 6 in (5020 mm)
Ground Clearance	11.7 in (300 mm)
Min Front Swing Radius (Boom 80° left)	5 ft (1535 mm)
Dozer Blade Height	15.5 in (395 mm)
Tail Swing Radius	4 ft 7 in (1395 mm)

Lift Capacities at 9 ft 10 in (3.0m) radius		
	over front, Blade down	over side
+6.6 ft (2.0 m)	1524 lb (691 kg)	1524 lb (691 kg)
Ground Level	2666 lb (1209 kg)	1522 lb (690 kg)
-3.3 ft (1.0 m)	2702 lb (1226 kg)	1504 lb (682 kg)

FEATURES

- Thumb mounting bracket
- Tilt-up operator's platform
- Quick Change control pattern selector valve
- Six-way adjustable suspension seat with adjustable arm rests
- Standard safety features include: ROPS/FOPS/TOPS 4-post canopy, 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

- Emergency return-to-idle system

- Heavy duty, side-by-side radiator/hydraulic oil cooler

- Two speed travel with automatic shift down

- Triple flanged track rollers

- Straight travel with simultaneous operation of digging and swing functions

- Increased traction force

- Electrohydraulic push button control of auxiliary hydraulics

- Two-way auxiliary hydraulics plumbed to arm

- Variable displacement piston pumps

- Precise and responsive, proportional pilot joystick controls

- Simultaneous operation of cab swing and two digging functions with no reduction in working speed

- Optional angle blade with float

- Cast iron, wrap around protective counter-weight

- Hydraulic and fuel sight gauges

- Remote lubrication of slew and boom swing cylinders

- Cushioned main boom, arm and swing cylinders

- Main boom cylinder guard

- Vandalism protected lockable fuel tank and engine compartments

- Lockable operator's manual and tool storage compartments

- Protective routing of hydraulic hoses

- O-ring and grease seals installed on bucket pins

- Tie down points integrated into the frame

Optional isolation mounted enclosed cab with heater, high capacity air conditioning, climate controlled cup holders, storage compartments, deluxe AM/FM radio with Mp3 jack and retractable front window with cylinder assisted lift