

# TB228 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 TB228 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*

# TB228 Excavator

## OPERATING PERFORMANCE

Operating Weight (w 165 lb operator)	Canopy 6,100 lb (2,767 kg)
Standard machine with bucket and rubber tracks	
Maximum Digging Depth	9 ft 5 in (2,875 mm)
Maximum Dump Height	10 ft 5 in (3,190 mm)
Maximum Digging Radius	15 ft 6 in (4,720 mm)
Maximum Bucket Digging Force	6,471 lb (2,935 kg)
Maximum Arm Digging Force	2,900 lb (1,325 kg)
Arm Length	4 ft 9 in (1,445 mm)
Traction Force (lbs)	6,334 lb (2,873 kg)
Sound Level (noise)	74 dB(A)

## ENGINE

EPA Tier 4 Compliant	
Make/Model	Yanmar 3TNV82
Cylinders/Displacement	3/81 cu in (1.3L)
Horsepower Gross (SAE J1995)	24.3 hp (18.1 Kw)
Horsepower Net (SAE 1349)	23.5 hp (17.5 Kw)
Rated Engine Speed	2400 rpm
Maximum Torque	63 ft-lb @ 1440 rpm (85.3 Nm)
Engine Lubrication	3.8 qt (3.6L)
Cooling System	4.4 qt (4.2L)
Fuel Tank Capacity	14 gal (53L)
Fuel Consumption (65% of full load)	0.8 gal/hr (3.0L/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)	3
Track Width	11.8 in (300 mm)
Track Ground Contact Length	56.7 in (1440 mm)
Ground Pressure	Canopy 4.1 psi
Maximum Travel Speed	
Low Range	1.7 mph (2.8 km/hr)
High Range	3.0 mph (4.9 km/hr)

## HYDRAULIC SYSTEM

Pump Type	Twin variable displacement piston pumps with two gear pumps
Total Hydraulic Flow (gpm)	7.9 x 2 + 6.0 x 1 + 2.8 x 1
Auxiliary Hydraulic Flow	13.9 gal/min (52.6L/min)
Auxiliary Hydraulic Pressure (adjustable)	3000 psi (20,684 k/Pa)
Hydraulic Reservoir Capacity	9.2 gal (35L)
Hydraulic System Capacity	14.8 gal (56L)

## DIMENSIONS

Max Dig Depth	9 ft 5 in (2875 mm)
Max Dump Height	10 ft 5 in (3190 mm)
Max Reach Ground Level	15 ft 6 in (4720 mm)
Max Vertical Dig Depth	7 ft 2 in (2190 mm)
Max Dig Depth with 2 ft Flat Bottom	9 ft 5 in (2868 mm)
Max Dig Depth with 8 ft Flat Bottom	7 ft 11 in (2411 mm)
Width	4 ft 9 in (1450 mm)
Height	8 ft (2445 mm)
Length (Transport)	14 ft 8 in (4460 mm)
Ground Clearance	11.7 in (300 mm)
Dozer Blade Height	11.8 in (300 mm)
Independent Boom Swing Angle (L/R)	80°/60°
Min Front Swing Radius (Boom 80° left)	4 ft 11 in (1495 mm)
Tail Swing Radius	4 ft 3 in (1285 mm)

Lift Capacities at 9 ft 10 in (3.0m) radius	
	over front, Blade down
+6.6 ft (2.0 m)	1163 lb (528 kg)
Ground Level	1731 lb (785 kg)
-3.3 ft (1.0 m)	1599 lb (725 kg)
	over side
	1163 lb (528 kg)
	1169 lb (530 kg)
	1161 lb (527 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
- EPA Tier 4 compliant engine that is efficient and quiet
- One touch engine decelerator
- Electronic engine monitoring system
- Automatic fuel bleed system
- Two speed travel with automatic shift down
- Triple flanged track rollers
- Straight travel with simultaneous operation of digging and swing functions
- Increased traction force
- Rubber or Steel tracks available
- 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
- 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