

TB016

Takeuchi®

The Power of Product and Support



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 TB016 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.

TB016 Compact Excavator

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- Track frame hydraulically adjusts from 39" for travel through narrow openings to 51" for greater operating stability
- Emergency engine shutdown system helps protect the engine from damage due to low oil pressure or high coolant temperature
- Cast iron, wrap-around counterweight protects the engine compartment from damage when working in confined areas
- Automatic fuel bleed system eliminates the downtime and service calls required to bleed conventional fuel systems
- Control pattern selector valve allows for quick change of operating controls between SAE and ISO patterns to accommodate operator preferences
- Variable displacement piston pumps efficiently utilize engine horsepower while continuously adjusting power and speed for fast cycle times

DIMENSIONS AND WEIGHT

Operating Weight (lbs).....	3,524
Width.....	3'3" / 4'3"
Height.....	7'5"
Length (transport).....	12'5"
Ground Clearance.....	8.1"
Min Front Swing Radius (90° boom swing).....	3'3"
Tail Swing Radius.....	3'7"
Dozer Blade (w/h).....	(3'3" / 4'3") / 11.8"

SWING SYSTEM

Independent Boom Swing Angle (l/r).....	90° / 50°
Swing Speed (rpm).....	9.0
Swing Motor.....	Geroller
Swing Reduction.....	Straight Drive
Swing Brake.....	Disc

OPERATING INFORMATION

Max Dig Depth.....	7'10"
Max Dump Height.....	9'4"
Max Reach at Ground Level.....	12'9"
Max Vertical Dig Depth.....	6'3"
Max Dig Depth w/2 ft Flat Bottom.....	7'8"
Max Dig Depth w/8 ft Flat Bottom.....	5'11"
Max Bucket Dig Force (lbs).....	4,079
Max Arm Dig Force (lbs).....	1,704

HYDRAULIC SYSTEM

System Operating Pressure (psi).....	2,844
Pump Type.....	2 piston / 2 gear
Hydraulic Flow (gpm).....	4.33 x 2 / 2.67 x 1 / 1.8 x 1
Auxiliary Flow (gpm).....	8.7

ENGINE

Make/Model.....	Yanmar 3TNV70-STB
Hp/RPM (SAE 1349 gross).....	13.5 / 2,200
Maximum Torque (ft-lb/rpm).....	38 / 1,600
Cylinders/CID.....	3 / 52.1
Fuel Consumption (65% of full load) gal/hr.....	0.50
Electrical System (volt/amp).....	12 / 40

UNDERCARRIAGE

Traction Motor Type.....	Axial Piston
Traction Drive Type.....	Planetary
Traction Force (lbs).....	3,801
Traction Brake Type.....	Disc
Track Rollers (per side).....	3
Carrier Roller (per side).....	Slide
Track Type.....	Rubber Crawler Belt
Track Width.....	9"
Track Ground Contact Length.....	3'10"
Ground Pressure (psi).....	3.9
Travel Speed (mph).....	1.5 / 2.9
Maximum Gradeability.....	25°

LIFT CAPACITIES (lbs) AT 6'7" RADIUS

	over front, blade down	over side
+5 ft.....	813	813
Ground Level.....	1,552	1,459
-1.5 ft.....	1,799	1,464

CAPACITIES

Hydraulic System (gal).....	8.85
Fuel Tank (gal).....	5.5
Engine Lubrication (qt).....	3.0
Cooling System (qt).....	3.3
Final Drives (qt) each.....	0.37

STANDARD FEATURES

- Quick Change control pattern selector valve
- Hydraulically expandable track frame
- Low and high range travel speeds
- Adjustable width dozer blade
- Two-way auxiliary hydraulics plumbed to dipper arm
- Emergency engine shutdown system
- Electronic engine monitoring system
- Cast iron, wrap around protective counterweight
- Variable displacement piston pumps
- Triple flanged track rollers
- Spring applied, hydraulically released disc type parking brakes
- Precise response, proportional main control valves
- Automatic fuel bleed system
- Hydraulic and fuel sight gauges
- Canopy and boom mounted work lights
- ROPS/TOPS/FOPS 4-post canopy
- Simultaneous operation of cab swing and two digging functions with no reduction in working speed
- Travel alarm
- Horn
- Maintenance free battery
- Safety lockout of operating controls
- Remote lubrication of slew and boom swing cylinders
- Cushioned main boom and swing cylinders
- Main boom cylinder guard
- Hydraulic oil cooler
- Protective routing of bucket, arm and auxiliary hydraulic hoses
- Pilot operated joystick controls with armrest
- Low noise level and EPA exhaust emission compliant engine
- O-ring and grease seals installed on bucket pins
- Uncluttered operators platform with hand and foot operated travel controls
- Vandalism protected lockable fuel tank and engine compartment
- Lockable operator's manual and tool storage compartments