

# TB108

# Takeuchi II<sup>®</sup>

*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 TB108 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.*

## **TB108** Compact Excavator

# TB108 Compact Excavator

- Track frame hydraulically adjusts from 29" for travel through narrow openings to 36" for greater operating stability
- No tools required . . . adjustable width dozer blade creates a stable working platform plus improves craning, grading and backfilling performance
- Automatic fuel bleed system eliminates the downtime and service calls required to bleed conventional fuel systems
- Tilt-back engine cover provides quick and easy service access
- Standard travel alarm, required on many job sites, serves as an added safety feature to alert anyone in the excavators working area of machine travel
- One and two-way auxiliary hydraulic circuit, plumbed to the dipper arm, powers a wide range of attachments
- Quick change control pattern easily switches between SAE and ISO patterns to accommodate operator preferences

## DIMENSIONS AND WEIGHT

Operating Weight (lbs).....	2,033
Width.....	29.1" / 35.4"
Height.....	6'11"
Length (transport).....	9'0"
Ground Clearance.....	6.3"
Min Front Swing Radius (90° boom swing).....	32.5"
Tail Swing Radius.....	31.5"
Dozer Blade (w/h).....	{26.8" / 35.4"} / 7.9"

## SWING SYSTEM

Independent Boom Swing Angle (l/r).....	90° / 90°
Swing Speed (rpm).....	9.3
Swing Motor.....	Geroller
Swing Reduction.....	Straight Drive
Swing Brake.....	Hydraulic Control Valve

## OPERATING INFORMATION

Max Dig Depth.....	5'6"
Max Dump Height.....	7'0"
Max Reach at Ground Level.....	9'6"
Max Vertical Dig Depth.....	4'6"
Max Dig Depth w/ 2 ft Flat Bottom.....	4'11"
Max Dig Depth w/ 8 ft Flat Bottom.....	2'9"
Max Bucket Dig Force (lbs).....	3,157
Max Arm Dig Force (lbs).....	1,303

## HYDRAULIC SYSTEM

System Operating Pressure (psi).....	2,288
Pump Type.....	Tandem Gear
Hydraulic Flow (gpm).....	2.8 x 2
Auxiliary Flow (gpm).....	5.7

## ENGINE

Make/Model.....	Yanmar / 2TNV70
Hp/RPM (SAE 1349 gross).....	9.6 / 2,400
Maximum Torque (ft-lb/rpm).....	24.6 / 1,800
Cylinders/CID.....	2 / 34.7
Fuel Consumption (65% of full load) gal/hr.....	0.42
Electrical System (volt/amp).....	12 / 9

## UNDERCARRIAGE

Traction Motor Type.....	Axial Piston
Traction Drive Type.....	Planetary
Traction Force (lbs).....	2,350
Traction Brake Type.....	Spring Applied / Hydraulic Released
Track Rollers (per side).....	2
Carrier Roller (per side).....	1
Track Type.....	Rubber Crawler Belt
Track Width.....	7.1"
Track Ground Contact Length.....	35.4"
Ground Pressure (psi).....	3.61
Travel Speed (mph).....	1.24 / 2.4
Maximum Gradeability.....	30°

## LIFT CAPACITIES (lbs) AT 5' RADIUS

	over front, blade down	over side
+5 ft.....	366	366
Ground Level.....	789	375
-1.5 ft.....	735	375

## CAPACITIES

Hydraulic System (gal).....	4.1
Fuel Tank (gal).....	2.5
Engine Lubrication (qt).....	1.6
Cooling System (qt).....	2.6
Final Drives (qt) each.....	0.34

## STANDARD FEATURES

- Quick Change control pattern
- Hydraulically expandable track frame
- Low and high range travel speeds
- Adjustable width dozer blade - no tools required
- Two-way auxiliary hydraulics plumbed to dipper arm
- 180 degree independent boom swing
- Lockable, tilt-back engine cover
- Cast iron, wrap around protective counterweight
- Standard rubber tracks
- Axial piston traction motor
- Planetary final drives
- Precise response, proportional main control valves
- Automatic fuel bleed system
- Recessed sight gauges for fuel and hydraulic oil
- Boom mounted work light
- ROPS/TOPS/FOPS 4-post canopy
- Travel alarm
- Horn
- Safety lockout of operating controls
- Remote lubrication of slew and boom swing cylinders