

TB1140

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 TB1140 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.

TB1140 Excavator

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- Wide angle independent boom swing combined with 360° cab swing allows for digging along walls, forms and other obstacles with no reduction in dig depth or visibility
- Heavy-duty dozer blade creates a stable working platform plus provides grading and backfilling versatility
- Emergency engine shut-down/return-to-idle system helps protect the engine from damage due to low oil pressure or high coolant temperature
- Control pattern selector valve allows for quick change of operating controls between SAE and ISO patterns to accommodate operator preferences
- Three full opening, ground level access panels offer quick service access
- Primary and secondary two-way flow auxiliary hydraulics plumbed to dipper arm with electro-hydraulic proportional controls on each joystick
- Two speed travel system automatically shifts from high to low speed when ground conditions call for additional traction power

DIMENSIONS AND WEIGHT

Operating Weight (lbs).....Rubber Tracks / 31,306	
.....Steel Tracks / 31,878	
Width.....Rubber Tracks / 8'2"	
.....Steel Tracks / 8'6"	
Height.....9'2"	
Length (transport).....26'9"	
Ground Clearance.....17.7"	
Min Front Swing Radius (80° boom swing).....7'11"	
Tail Swing Radius.....6'7"	
Dozer Blade (w/h).....	
.....Rubber Tracks / 8'2" / 21.6"	
.....Steel Tracks / 8'6" / 21.6"	

SWING SYSTEM

Independent Boom Swing Angle (l/r).....77° / 53°	
Swing Speed (rpm).....13.2	
Swing Motor.....Axial Piston	
Swing Reduction.....Planetary	
Swing Brake.....Disc	

OPERATING INFORMATION

Max Dig Depth.....18'0"	
Max Dump Height.....20'5"	
Max Reach at Ground Level.....28'1"	
Max Vertical Dig Depth.....15'2"	
Max Dig Depth w/ 2 ft Flat Bottom.....18'0"	
Max Dig Depth w/ 8 ft Flat Bottom.....17'2"	
Max Bucket Dig Force (lbs).....22,188	
Max Arm Dig Force (lbs).....12,634	

HYDRAULIC SYSTEM

System Operating Pressure (psi).....4,977	
Pump Type.....2 piston / 2 gear	
Hydraulic Flow (gpm).....	
28.1 x 2 / 13.7 x 1 / 5.4 x 1	
Auxiliary Flow (gpm).....Primary / 28.1	
.....Secondary / 13.7	

ENGINE

Make/Model.....Isuzu/BB-4BG1TRE	
Hp/RPM (SAE 1349 gross).....83.4 / 2,050	
Maximum Torque (ft-lb/rpm).....224.3 / 1,400	
Cylinders/CID.....4 / 264	
Fuel Consumption (65% of full load) gal/hr.....3.14	
Electrical System (volt/amp).....24 / 50	

UNDERCARRIAGE

Traction Motor Type.....Axial Piston	
Traction Drive Type.....Planetary	
Traction Force (lbs).....32,753	
Traction Brake Type.....Disc	
Track Rollers (per side).....7	
Carrier Roller (per side).....1	
Track Type.....Rubber/Steel	
Track Width.....20.0" / 24.0"	
Track Ground Contact Length.....9'5.4"	
Ground Pressure (psi).....5.86	
Travel Speed (mph).....1.8 / 3.3	
Maximum Gradeability.....35°	

LIFT CAPACITIES (lbs) AT 16.4' RADIUS

over front, blade down	over side
+6.6 ft.....8,978	5,555
Ground Level.....11,459	5,116
-3.3 ft.....11,787	5,033

CAPACITIES

Hydraulic System (gal).....56.8	
Fuel Tank (gal).....61.5	
Engine Lubrication (gal).....4.17	
Cooling System (gal).....4.87	
Final Drives (qt) each.....4.4	

STANDARD FEATURES

- Wide angle independent boom swing
- Quick Change control pattern selector valve
- Electrohydraulic proportional control of auxiliary hydraulics
- Primary and secondary two-way auxiliary hydraulics plumbed to dipper arm
- Two speed travel with automatic shift down
- One touch engine decelerator with auto idle switch
- Turbocharged diesel engine
- Electronic engine monitoring system w/emergency shutdown/return-to-idle
- Electronically controlled engine with three operating modes and engine control touch pad
- Cast iron, wrap around protective counter-weight
- Spring applied, hydraulically released disc type parking brakes
- Automatic fuel bleed system
- Two front work lights, side mounted swing lights and rear work lights
- Simultaneous operation of cab swing and digging functions with no reduction in working speed
- Straight travel with simultaneous operation of digging and swing functions
- Travel alarm
- Remote lubrication of slew and boom swing cylinders
- Hydraulic oil cooler
- Pilot operated joystick controls with armrest
- Sliding operator's station with ten-way independently adjustable suspension seat and head rest
- Vandalism protected lockable fuel tank and engine compartment
- Three hinged ground level access covers
- Automatic arm and boom hoist acceleration
- Heavy duty dozer blade
- Pilot hand and foot operated travel controls
- Grease type track tension system
- Isolation mounted cab with heater/defroster, air conditioning, windshield wiper and washer, AM/FM cassette radio and retractable front window with removable lower section