

TB145

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 TB145 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.

TB145 Compact Excavator

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- Tilt-up operator's platform combined with full opening engine compartment offers quick service access
- Emergency engine shutdown / return-to-idle 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
- Electrohydraulic push-buttons located in the left-hand joystick insure precise control of the auxiliary hydraulic circuit

DIMENSIONS AND WEIGHT / Canopy / Cab

| | | |
|--|--------------|--------|
| Operating Weight (lbs)..... | 10,562 | 10,761 |
| Width..... | 6'0" | |
| Height..... | 8'5" | |
| Length (transport)..... | 18'6" | |
| Ground Clearance..... | 13" | |
| Min Front Swing Radius (80° boom swing)..... | 5'8" | |
| Tail Swing Radius..... | 4'10" | |
| Dozer Blade (w/h)..... | 6'0" / 16.9" | |

SWING SYSTEM

| | | |
|---|--------------|--|
| Independent Boom Swing Angle (l/r)..... | 80° / 60° | |
| Swing Speed (rpm)..... | 9.9 | |
| Swing Motor..... | Axial Piston | |
| Swing Reduction..... | Planetary | |
| Swing Brake..... | Disc | |

OPERATING INFORMATION

| | | |
|---------------------------------------|--------|--|
| Max Dig Depth..... | 12'6" | |
| Max Dump Height..... | 13'8" | |
| Max Reach at Ground Level..... | 19'8" | |
| Max Vertical Dig Depth..... | 10'0" | |
| Max Dig Depth w/2 ft Flat Bottom..... | 12'5" | |
| Max Dig Depth w/8 ft Flat Bottom..... | 11'2" | |
| Max Bucket Dig Force (lbs)..... | 10,825 | |
| Max Arm Dig Force (lbs)..... | 5,027 | |

HYDRAULIC SYSTEM

| | | |
|--------------------------------------|------------------------------|--|
| System Operating Pressure (psi)..... | 3,000 | |
| Pump Type..... | 2 piston / 2 gear | |
| Hydraulic Flow (gpm)..... | 14.8 x 2 / 9.9 x 1 / 2.7 x 1 | |
| Auxiliary Flow (gpm)..... | 14.8 | |

ENGINE

| | | |
|---|-------------------|--|
| Make/Model..... | Yanmar 4TNV88-QTB | |
| Hp/RPM (SAE 1349 gross)..... | 37.5 / 2,300 | |
| Maximum Torque (ft-lb/rpm)..... | 107 / 1,400 | |
| Cylinders/CID..... | 4 / 134 | |
| Fuel Consumption (65% of full load) gal/hr..... | 1.4 | |
| Electrical System (volt/amp)..... | 12 / 40 | |

UNDERCARRIAGE

| | | |
|----------------------------------|---------------------|--|
| Traction Motor Type..... | Axial Piston | |
| Traction Drive Type..... | Planetary | |
| Traction Force (lbs)..... | 11,674 | |
| Traction Brake Type..... | Disc | |
| Track Rollers (per side)..... | 5 | |
| Carrier Roller (per side)..... | 1 | |
| Track Type..... | Rubber Crawler Belt | |
| Track Width..... | 15.7" | |
| Track Ground Contact Length..... | 6'6" | |
| Ground Pressure (psi)..... | 3.9 | |
| Travel Speed (mph)..... | 1.7 / 3.1 | |
| Maximum Gradeability..... | 30° | |

LIFT CAPACITIES (lbs) AT 9'10" RADIUS

| | | |
|-------------------|------------------------|-----------|
| | over front, blade down | over side |
| +6.6 ft..... | 2,806 | 2,488 |
| Ground Level..... | 4,634 | 2,149 |
| -3.3 ft..... | 4,561 | 2,118 |

CAPACITIES

| | |
|------------------------------|------|
| Hydraulic System (gal)..... | 30.4 |
| Fuel Tank (gal)..... | 19.3 |
| Engine Lubrication (qt)..... | 9.1 |
| Cooling System (qt)..... | 7.1 |
| Final Drives (qt) each..... | 0.9 |

OPTIONS

TOPS / FOPS cab w/heater, air conditioning, windshield wiper, AM/FM cassette radio, retractable front window w/removable lower section
Steel tracks

STANDARD FEATURES

- Quick Change control pattern selector valve
- Electrohydraulic push button control of auxiliary hydraulics
- Low and high range travel speeds
- Two speed travel with automatic shift down
- One touch engine decelerator
- Two-way auxiliary hydraulics plumbed to dipper arm
- Emergency shutdown/return-to-idle 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
- Two front mounted work lights
- TOPS/FOPS 4-post canopy
- Simultaneous operation of cab swing and two digging functions with no reduction in working speed
- Straight travel with simultaneous operation of digging and swing functions
- Travel alarm
- Safety lockout of operating controls
- Remote lubrication of slew and boom swing cylinders
- Cushioned main boom, arm 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
- Six-way adjustable suspension seat with retractable seat belt
- Vandalism protected lockable fuel tank and engine compartment
- Lockable operator's manual and tool storage compartments