

COMPETITIVE COMPARISON

	Takeuchi TB228	Bobcat 325	Caterpillar 302.5C	John Deere 27D	Kubota KX71-3
Operating Performance					
Tail Swing Design	Conventional	Conventional	Conventional	Zero	Conventional
Operating Weight	6,100 lbs.	6,506 lbs.	6,052 lbs.	6,358 lbs.	6,305 lbs.
Maximum Bucket Digging Force	6,471 lbs.	4,766 lbs.	5,440 lbs.	4,994 lbs.	6,350 lbs.
Maximum Arm Digging Force	2,900 lbs.	3,140 lbs.	3,440 lbs.	3,410 lbs.	3,285 lbs.
Engine					
Engine Make	Yanmar	Kubota	Mitsubishi	Yanmar	Kubota
Engine Model	3TNV82	D1703	S3L2	3TNV88	V1505
Horsepower Net	23.5 hp	27.4 hp	24.9 hp	26.4 hp	26.4 hp
Rated Engine Speed	2,400 rpm	2,200 rpm	2,300 rpm	2,200 rpm	2,300 rpm
Maximum Torque	63 ft-lb	73 ft-lb	--	--	--
Undercarriage					
Track Width	11.8"	12.6"	11.8"	12"	12.0"
Track Ground Contact Length	4' 8.7"	4' 6.3"	--	4' 10.7"	5' 1"
Ground Pressure	4.1 psi	4.1 psi	--	4.1 psi	3.9 psi
Traction Force (Drawbar Pull)	6,334 lbs.	5,480 lbs.	5,305 lbs.	--	7,050 lbs.
Maximum Travel Speed	3.0 mph	1.9 mph	3.1 mph	2.8 mph	2.8 mph
Hydraulic System					
Total Hydraulic Flow	24.6 gal.	17 gal.	21.3 gal.	16.4 gal.	21.8 gal.
Auxiliary Hydraulic Flow	13.9 gpm	12.4 gpm	16.9 gpm	13.9 gpm	13.4 gpm
Maximum System Pressure	3,000 psi.	2,500 psi.	3,205 psi.	--	--
Hydraulic Reservoir Capacity	9.2 gal.	5 gal.	9.5 gal.	8.5 gal.	9 gal.
Hydraulic System Capacity	15 gal.	--	13 gal.	--	13 gal.
Dimensions and Specifications					
Width	4' 9"	4' 7"	4' 9"	5' 1"	4' 11"
Height	8' 0"	7' 8"	7' 6"	8' 1"	8' 0"
Length (Transport)	14' 8"	13' 9"	14' 10"	13' 9"	14' 11"
Ground Clearance	11.7"	--	--	12.6"	11"
Maximum Digging Depth	9' 5"	8' 5"	8' 8"	8' 6"	9' 9"
Maximum Dump Height	10' 5"	9' 1"	10' 2"	10' 6"	10' 5"
Maximum Reach at Ground Level	15' 6"	13' 10"	14' 11"	15' 4"	16' 0"

HIGHLIGHTED item indicates a Takeuchi advantage over one of more of the competitors

TAKEUCHI Advantage

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| PERFORMANCE | <ul style="list-style-type: none"> The machine design provides exceptional machine stability. The incredible traction (drawbar) force of the two speed planetary travel motors along with the automatic step down feature provides torque on demand when pushing or turning in high speed. Exceptional bucket breakout force provides maximum digging effort and quick cycle times. The engine is ideally matched to the advanced hydraulic system providing excellent performance and fuel economy. Load compensating, multi-pump hydraulic system provides smooth, synchronized control while allowing excellent multiple function operation that operators expect. |
| | <ul style="list-style-type: none"> Takeuchi's frame and undercarriage is made from thick, high quality steel which provides superior strength Extra large pins, bushings, bearings and seals provide hours of useful service. Cushioned boom, arm, and swing cylinders allow for smooth operation while reducing stress on the frame, components and operator. |
| DURABILITY | <ul style="list-style-type: none"> The spacious operator's compartment offers excellent visibility, comfort and easy entry and exit. Extremely quiet operation. Standard high back suspension seat, adjustable arm rest and retractable seatbelt. Progressive pilot controls with pattern change valve |
| | <ul style="list-style-type: none"> Tilt up operator's platform provides quick and easy access to major components. High performance cooling system offers improved airflow and the hinged side and rear panels promote easy servicing. Long life hydraulic oil offers reduced service intervals. Sectional hydraulic hoses for easy replacement. Simple electrical and hydraulic systems. |
| COMFORT | |
| SERVICEABILITY | |

EPA Tier 4 Diesel with Auto Idle

This rugged engine provides excellent power and economy in a small package. Takeuchi is also known as one of the quietest machines on the market.

High Performance Cooling System

A hinged cover allows for easy to inspection and cleaning of the large radiator and hydraulic oil cooler.

New Convenience Features

The auxiliary hydraulics can be controlled with the thumb slide switch or used in detent mode that provides constant flow to the attachment for even more operator comfort and attachment versatility.

Load Compensating Hydraulics

Our 4-pump design provides smooth, synchronized control of the boom, arm, and swivel with no reduction in working speed. This also allows the engine to work more efficiently without wasting fuel.

Heavy Duty Blade With Float

Integrated reinforcements and a large hydraulic cylinder combine to make light work of backfilling and helps stabilize the unit. The optional angle blade provides even more versatility. Large tie-down points are provided to secure the machine.

Best-in-Class for Operator Comfort

The expanded operator's compartment offers excellent visibility and comfort with its high-back suspension seat, adjustable arm rests, and easy-to-operate controls with standard pattern selector.



Operator Protection

The newly designed, ROPS (Roll Over Protection) along with FOPS (Falling Object Protection) Level 1 structure offer enhanced safety.

Class Leading Dump Height

Allows you to dig and load material with ease. Takeuchi's dual pin position bucket provides even more versatility and enables you to adapt the machine's digging characteristics to the task at hand.

Integrated Thumb Mount

The standard long arm with integrated thumb mount and bi-directional auxiliary lines plumbed to the arm allow for easy, bolt on installation of the thumb.

Large Pins and Bushings

Extra large pins and bushings provide many hours of useful service. O-rings and pin seals on the bucket pins help keep the elements out of this critical area.

Class Leading Dig Depth

Outstanding dig depth and excellent reach means you can dig more and reposition less, increasing your productivity.

Class Leading Bucket Breakout

The Takeuchi TB228 has class leading bucket breakout force and excellent arm digging force, giving you the power you need to get the job done quickly.

Automatic Step-down Travel

Maximizes production by allowing you to travel or push in high speed. When a load is encountered during pushing or turning, the travel motors automatically shift to high torque mode to provide class leading track power.

Cushioned Hydraulic Cylinders

Cushioned boom, arm, and swing cylinders allow for smooth operation while reducing stress on the frame and other components. No one else offers this same level of quality in their base machine.

Performance

- Excellent bucket breakout force
- Excellent bucket dump height
- Class leading dig depth
- Class leading travel speed
- Class leading tractive force (drawbar pull)

Durability

- Efficient EPA Tier 4 engine
- Heavy-duty dozer blade
- Large pins and bushings
- Thick frames and quality welds
- Large, cushioned hydraulic cylinders

Operator Comfort / Safety

- Largest operator's compartment in it's class
- Extremely quiet operation
- Suspension seat and adjustable arm rests
- Retractable seat belt and travel alarm
- ROPS and FOPS 4-post canopy

Serviceability

- Tilt up operator's platform
- Hinged side and rear panels
- Sectional hoses for boom and blade
- Easy access lubrication points
- 2 year/2000 hour full machine warranty