

COMPETITIVE COMPARISON

	Takeuchi TB016	Bobcat 324	Caterpillar 301.6C	John Deere 17D	Kubota KX41
Operating Performance					
Tail Swing Design	Conventional	Conventional	Conventional	Minimal	Conventional
Operating Weight	3,524 lbs.	3,428 lbs.	3,549 lbs.	4,173 lbs.	3,693 lbs.
Maximum Bucket Digging Force	4,079 lbs.	3,620 lbs.	3,462 lbs.	3,597 lbs.	3,505 lbs.
Maximum Arm Digging Force	1,704 lbs.	1,778 lbs.	2,226 lbs.	2,316 lbs.	1,748 lbs.
Engine					
Engine Make	Yanmar	--	Mitsubishi	Yanmar	Kubota
Engine Model	3TNV70	--	L3E	3TNV70	D902-E3
Horsepower Net	13.5 hp	13.9 hp	18.1 hp	14.8 hp	15.2 hp
Rated Engine Speed	2,200 rpm	2,500 rpm	2,400 rpm	2,400 rpm	2,300 rpm
Maximum Torque	38 ft-lb	--	--	--	--
Undercarriage					
Track Width	9.0"	9.1"	9.0"	9.0"	9.1"
Track Ground Contact Length	3' 10"	3' 7.9"	--	4' 0"	4' 1"
Ground Pressure	3.9 psi	4.2 psi	--	4.1 psi	3.8 psi
Traction Force (Drawbar Pull)	3,801 lbs.	--	3,372 lbs.	--	4,310 lbs.
Maximum Travel Speed	2.9 mph	2.5 mph	2.8 mph	2.7 mph	2.6 mph
Hydraulic System					
Total Hydraulic Flow	13.3 gal.	--	14.3 gal.	13.5 gal.	13.7 gal.
Auxiliary Hydraulic Flow	8.7 gpm	7.9 gpm	9.1 gpm	8.4 gpm	7.4 gpm
Maximum System Pressure	2,844 psi.	3,350 psi.	2,524 psi.	--	--
Hydraulic Reservoir Capacity	6 gal.	--	6.3 gal.	5.3 gal.	3.7 gal.
Hydraulic System Capacity	9 gal.	--	10 gal.	--	7 gal.
Dimensions and Specifications					
Width (min)	3' 3"	3' 3"	3' 3"	3' 2"	3' 3"
Width (max)	4' 3"	4' 5.5"	3' 3"	4' 2"	4' 3.2"
Height	7' 5"	7' 2.7"	7' 2"	7' 10"	7' 5"
Length (Transport)	12' 5"	12' 9"	12' 1"	11' 9"	12' 0"
Ground Clearance	8.1"	--	--	6.5"	6.3"
Maximum Digging Depth	7' 10"	8' 6"	6' 10"	7' 1"	7' 9"
Maximum Dump Height	9' 4"	8' 8"	7' 9"	8' 4"	8' 1"
Maximum Reach at Ground Level	12' 9"	14'	11' 10"	12' 10"	12' 8"

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

Takeuchi reserves the right to make changes at any time without notice, to materials, specifications, models, price, configuration and availability. Machine specifications are based on manufacturer's base model machine when available.

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REV. 2011.9

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TAKEUCHI Advantage

PERFORMANCE

- The machine design provides exceptional machine stability.
- The hydraulically retractable track frame allows for a minimum width of 39" to allow maneuvering in tight areas and a maximum width of 51" for increased stability.
- 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.

DURABILITY

- 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 and swing cylinders allow for smooth operation while reducing stress on the frame, components and operator.
- Dozer blade with removable extensions.

COMFORT

- The uncluttered operators platform allows for entry and exit from either side of the machine.
- The quiet engine is also EPA exhaust emission compliant.
- Progressive pilot controls with quick pattern change.
- Adjustable seat with arm rest.

SERVICEABILITY

- Removable panels offer access to the hydraulic valve and engine components.
- Automatic fuel bleed system
- Hinged rear panel promotes easy servicing.
- Simple electrical and hydraulic systems.
- Lockable storage compartments hold tools and other maintenance items.

EPA Tier 4 Diesel Engine

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.

Wrap Around Counterweight

The cast iron counterweight wraps around the engine compartment and protects the machine when working in confined areas. The conventional machine design provides increased stability while operating.

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

The heavy duty blade features integrated gusset reinforcements and bolt-on blade extensions that provide the strength you expect from the class leader while making light work of backfilling and stabilizing the unit.

Excellent Operator Comfort

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



Operator Protection

The ROPS (Roll Over Protective Structure) along with the FOPS (Falling Object Protective Structure) Level 1 and the 4-post canopy offer excellent protection.

Best-in-Class 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.

Reinforced Arm

The standard long arm provides excellent working range and the bi-directional auxiliary lines plumbed to the arm allow for easy attachment installation.

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.

Best-in-Class Dig Depth

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

Retractable Track Frame

The track frame hydraulically retracts to 39" for travel through narrow openings. For greater operating stability, the tracks expand to 51". The class leading drawbar pull helps power the machine through demanding conditions.

Cushioned Hydraulic Cylinders

Cushioned boom, 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.

Best-in-Class Bucket Breakout

The Takeuchi TB016 has class leading bucket breakout force and excellent arm digging force, giving you the power you need to get the job done quickly.

Performance

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

Durability

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

Operator Comfort / Safety

- Easy to operate pilot controls
- Extremely quiet operation
- Adjustable seat with arm rests
- Seat belt and travel alarm
- ROPS and FOPS 4-post canopy

Serviceability

- Accessible engine compartment
- Automatic fuel bleed system
- In-tank hydraulic filter
- Easy access lubrication points
- 2 year/2000 hour full machine warranty