

COMPETITIVE COMPARISON

| | Takeuchi TW65 | Case 121E Series 3 | Caterpillar 906H | John Deere 244J | Volvo L25F |
|--------------------------------|------------------------|-----------------------|---------------------|--------------------|---------------|
| Operating Performance | | | | | |
| Loader Boom Design | Z-bar | Inv. Z-bar | Z-bar | Z-bar | Parallel |
| Bucket Breakout Force | 11,600 lbs. | 9,337 lbs. | 9,442 lbs. | 10,792 lbs. | 8,320 lbs. |
| Lift Arm Breakout Force | 10,319 lbs. | -- | -- | -- | -- |
| Engine | | | | | |
| Engine Make | Deutz | Case | Cat | John Deere | Volvo |
| Engine Model | TD2011 | 432T/M3 | C3.4 | 4024T | D3.6D |
| Horsepower Net | 67.0 hp | 60.0 hp | 70.0 hp | 59.0 hp | 60.0 hp |
| Rated Engine Speed | 2,200 rpm | 2,300 rpm | 2,500 rpm | 2,800 rpm | 2,300 rpm |
| Maximum Torque | 177 ft-lb | 189 ft-lb | -- | 163 ft-lb | 140 ft-lb |
| Drive Train | | | | | |
| Traction Lock Front | Locking std | Ltd. slip std | Locking std | Locking std | Locking std |
| Traction Lock Rear | Locking std | Ltd. slip opt | Locking std | None | Locking std |
| Frame / Axle Articulation | 24 deg. | 24 deg. | -- | 20 deg. | 20 deg. |
| Travel Speed High Range | 12.4 mph | 12.4 mph | 12.4 mph | 18.6 mph | 12.4 mph |
| Hydraulic System | | | | | |
| Hydraulic Reservoir Capacity | 13.7 gal. | 10.5 gal. | -- | 16 gal. | -- |
| Maximum System Pressure | 3,844 psi. | 3,626 psi. | 3,400 psi. | 3,190 psi. | 3,335 psi. |
| Auxiliary Hydraulic Flow | 15.8 gpm | 19.5 gpm | 22.0 gpm | 17.0 gpm | 14.5 gpm |
| Dimensions | | | | | |
| Max. Lift Height to Bucket Pin | 10' 5" | 10' 10" | 10' 7" | 10' 6" | 10' 4" |
| Dump clearance Fully Raised | 8' 0" | 8' 4" | 7' 10" | 8' 4" | 8' 2" |
| Reach Fully Raised | 2' 0.6" | 2' 8.4" | 2' 8" | 2' 8" | 2' 2" |
| Overall Width without Bucket | 6' 1.5" | 6' 3" | 6' 0" | -- | 5' 8" |
| Overall Height | 8' 8.5" | 9' 3" | 8' 1" | 8' 11" | 8' 2" |
| Ground Clearance | 17" | 13" | 11.8" | 11.6" | 13" |
| Tipping Load, Straight | 8,073 lbs. | 7,673 lbs. | 8,785 lbs. | 8,457 lbs. | 8,375 lbs. |
| Tipping Load, Full Turn | 7,143 lbs. | 6,795 lbs. | 6,967 lbs. | 7,718 lbs. | 7,495 lbs. |
| Operating Cap.* (50% Tip Load) | 3,572 lbs. | 3,397 lbs. | 3,483 lbs. | 3,859 lbs. | 3,748 lbs. |
| Operating Weight | 10,582 lbs. | 10,849 lbs. | 12,412 lbs. | 11,552 lbs. | 10,650 lbs. |

* Operating capacity rated according to SAE J818 (50% of the tipping load)

HIGHLIGHTED indicates Takeuchi advantage over one or more of the competitors

TAKEUCHI Advantage

PERFORMANCE

- Takeuchi's Z-pattern lift geometry offers excellent breakout force and lifting capacity.
- 100% inching pedal provides optimum travel speed control.
- 100% differential lock for both front and rear axles provide on-the-go traction when operating in harsh conditions.
- True center pivot frame and total steering angle of 80 degrees means the rear wheels follow in the same track as the front wheels to allow the machine to maneuver in very tight areas.

DURABILITY

- Self aligning bushings are provided for cylinder pivot points that allow for larger pins for extra durability and are easily replaceable.
- The two speed hydrostatic drive system offers great performance and endurance.
- Rigid axles equipped with outboard planetary final drives provides a durable drive system.
- Curved rear counterweight provides excellent balance without being obstructive.

COMFORT

- Standard enclosed operators station that is ROPS (Roll Over Protective Structure) and FOPS (Falling Object Protective Structure) Level II certified for operator protection.
- Features include; retractable seat belt, suspension seat, easy to operate pilot controls, front and rear wipers, rear window defrost, and cabin heater. (Optional air conditioning)

SERVICEABILITY

- Tilt-up rear cover provides easy access to the engine and other major components.
- Rear belly pan protects the engine and drive system.
- Convenient hydraulic system test ports.
- Centrally located lubrication and service points.
- 2 year/2000 hour full machine warranty.
- Simple electrical and hydraulic systems

Easy Access Engine Compartment

Offers great serviceability of major components and maintenance points under the tilt-up, lockable engine cover. Powerful EPA rated, Interim Tier 4 diesel engine.

Large Rear Counterweight

Protects the rear of the machine and provides excellent balance for lifting heavy loads. The incorporated tie downs and tow hitch are provided for added convenience.

100% Inching Pedal

The speed control is accomplished by reducing the oil flow to the drive motor and smoothly slowing the loader to a crawl. This unique system reduces wear on the brakes, improves fuel economy, and offers faster loader cycle times.

Hydrostatic Drive

Provides excellent machine control with minimal braking, and the standard two-speed travel enables you to move more material quickly.

Excellent Operator Comfort

The operator's compartment provides excellent visibility and comfort with its suspension seat, arm rest, easy-to-operate controls, large steps, comfortable grab handles and a spacious cabin that is ROPS and FOPS Level 2 certified.

100% Differential lock

This standard feature enables full locking of the front and rear axles and is engaged with a convenient switch located on the joystick. This gives the operator the ability to apply the diff lock on the move when loading a bucket or traveling through difficult terrain.

Z Bar Boom lift

Is superior in excavating and grading applications and provides excellent lifting capabilities for placing loads. It also offers great dump height, allowing you to load material with ease.

Flat Face Coupler

The available couplers allow you to easily make hydraulic hose connections directly on the attachment mounting bracket. A detent is provided for operation of attachments that require constant flow.

Self-Aligning Bearings

These easily replaceable, self-aligning bearings provide exceptional service life when compared to traditional pins and bushings.

Best-in-Class Breakout Force

The Takeuchi TW65 has the highest bucket breakout force in its class to handle those difficult excavating and lifting chores.

Bucket Float and Positioning

A standard bucket float makes back-dragging a breeze. The automatic bucket positioner keeps the bucket level while raising and repositions the bucket to the dig position after dumping from full height.



Excellent Turning Radius

With a true center pivot frame and an articulation of 80 degrees, the rear wheels follow in the same track as the front wheels to allow the machine to maneuver in very tight areas.

Hydraulic Bucket Quick-Attach

This feature allows you to exchange attachments from the comfort of the operator's seat and is standard on all machines.

Performance

- Best-in-class bucket breakout force
- Best-in-class loader lift force
- Excellent dump height
- Best-in-class traction force (drawbar pull)
- Standard 2-speed travel

Durability

- Efficient EPA Interim Tier 4 engine
- 100% locking differential
- 100% Inching pedal
- Outboard planetary drive
- Self-aligning bushings and large pins

Operator Comfort / Safety

- Large, comfortable operator's compartment
- Quiet operation
- Suspension seat and arm rests
- Easy to operate pilot controls
- ROPS and FOPS Level 2 protection

Serviceability

- Tilt-up engine cover
- Easy access to major components
- Hydraulic system test ports
- Centrally located grease points
- 2 year/2000 hour full machine warranty