

TAKEUCHI TW50 vs. Komatsu WA50-3

- TW50 has superior bucket capacity, tipping load capacities (both straight and articulated), and operating capacity vs. Komatsu WA50-3.
- TW50 has a longer wheelbase and greater ground clearance vs. Komatsu WA50-3. This allows the TW50 to operate in rougher terrain, with greater stability and safety, than the Komatsu.
- TW50 has greater bucket breakout force, higher auxiliary hydraulic flow, higher top speed, and greater height to the bucket pin vs. Komatsu WA50-3; leads to greater productivity.
- TW50 has parallel lift kinematics vs. Komatsu's Z-Bar linkage. Straight linkage provides greater reach height for dumping or loading applications.
- TW50 has auxiliary hydraulic lines plumbed to the quick-tach vs. Komatsu, who only offers it as a cost added option.
- TW50 has a more comfortable operator's compartment with a six-way adjustable suspension seat, ergonomic arm rests, and conveniently located controls for operator comfort.
- TW50 has a momentary, push-button controlled, 100% front and rear differential lock vs. Komatsu that only has limited slip differential lock on the front, and limited slip differential lock in rear. TW50 has greater traction on demand.
- TW50 has a 100% hydraulic inching pedal vs. Komatsu brake used for inching. The TW50 has smoother inching controls, with no heat buildup from the brakes, which extends the component life of the TW50.
- TW50 standard features which are options on the Komatsu: rear work lights, hydraulic quick-tach, auxiliary hydraulics, and replaceable bushings and bearings.
- TW50 oscillates in front and rear vs. Komatsu's which only oscillates in rear.

Specification	Takeuchi TW50	Komatsu WA50-3	Difference	% Difference
HP/RPM	51.0 / 2800	37.0 / 2500	14.0	37.8%
OPERATING WEIGHT (LBS)	8,708	8,340	368.0	4.4%
BUCKET CAPACITY (CU YD)	1.05 / 1.11	0.75	.3 / .36	40% / 48%
TIP LOAD, STRAIGHT (LBS)	6,790	5,306	1484.0	27.9%
TIP LOAD, ARTICULATED (LBS)	5,578	4,615	963.0	20.9%
OPERATING CAPACITY (SAE)	2,789	2,308	481.0	20.9%
AUXILIARY HYDRAULIC FLOW (GPM)	15.9	11.4	4.5	39.5%
BUCKET BREAKOUT FORCE (LBS)	8,992	6,720	2272.0	33.8%
WHEELBASE	78.3"	72.8 "	5.5	7.6%
WIDTH W/O BUCKET	65.0"	65.2"	(0.2)	0.3%
CANOPY HEIGHT	102.0"	98.4"	3.6	3.7%
GROUND CLEARANCE	17.3"	12.0"	5.3	44.2%
TRAVEL SPEED (MPH)	12.4	9.3	3.1	33.3%
HEIGHT TO BUCKET PIN	128.7"	122.6"	6.1	4.9%
REACH FULLY RAISED	13.4"	19.0"	(5.6)	29.0%

