

TAKEUCHI TB1140 vs. KOMATSU PC138USLC-8

- TB1140 has superior bucket breakout force, reach at grade, and hydraulic tank capacity vs. the Komatsu. The superior bucket breakout force and reach allow the TB1140 to operate more efficiently and productively. The larger hydraulic tank capacity allows attachments to run at cooler temperatures.
- TB1140 conventional tail swing design gives the operator more room to work under the hood of the machine vs. Komatsu's tight radius design which makes maintenance on the machine very difficult.
- TB1140 has two pin positions for maximum bucket power or maximum bucket curl vs. only one pin position on the Komatsu. Komatsu's one pin position is close to Takeuchi's "maximum curl" position.
- TB1140 uses a four-pump hydraulic system vs. Komatsu's two-pump system: Allows for simultaneous operation of cab swing and two digging functions with no reduction in speed vs. a lag in speed and jerkiness when attempting to operate three functions simultaneously on a Komatsu.
- TB1140 emergency engine shutdown system protects the engine from damage due to low oil pressure or high coolant temperature vs. Komatsu without an emergency engine shutdown system. Komatsu does employ an audible warning system and an emergency auto deceleration feature but no engine shutdown system.
- TB1140 has boom swing capabilities vs. Komatsu with side mounted, stationary boom. The boom swing feature allows for greater digging flexibility. TB1140 is the only machine in the 15 ton class with an independent, front knuckle mounted boom with swing function.
- TB1140 wrap-around, cast iron counter weight protects rear corners of machine from damage vs. Komatsu's standard counterweight that lacks rear corner protection.
- TB1140 has a large swing up, ground access rear panel and two ground access side panels for easy access to engine bay and regular maintenance areas vs. Komatsu that only has two small side ground access panels and a hood and panel that must be opened from the top of the machine. The rear of the machine is completely inaccessible in the Komatsu.

SPECIFICATION	Takeuchi TB1140	Komatsu PC138USLC-8	DIFFERENCE	% DIFFERENCE
Bucket Breakout Force (lbs.)	22,188	20,950	1,238	5.9%
Maximum Digging Depth	18'0"	18'0"	0	0
Maximum Reach at Grade	28'1"	27'3"	10"	3.1%
Maximum Dump Height	20'5"	22'5"	(2'0")	8.9%
Overall Width	8'6"	8'6"	0	0
Operating Weight (lbs.)	31,878	31,504	374	1.2%
Hydraulic Tank Capacity (gal.)	25.1	18.2	6.9	37.9%
Boom Swing Angles (L/R)	77°/53°	No Swing	-	-