

TB2150 Hydraulic Excavator
COMPETITIVE DETAILS

	Takeuchi TB1140 SERIES 2	Takeuchi TB2150	Case CX130D	Caterpillar 315 FL	Caterpillar 316FL	John Deere 130G	John Deere 135G	Komatsu PC138USLC-10	Volvo 140E
PERFORMANCE									
Tail Swing Design	Conventional	Conventional	Conventional	Conventional	Short Tail	Conventional	Short Tail	Short Tail	Conventional
Operating Weight	34,116 lb (15,475 kg)	34,480 lb (15,640 kg)	30,040 lb (13,800 kg)	35,170 lb (15,952 kg)	38,580 lb (17,500 kg)	31,641 lb (14,352 kg)	32,819 lb (14,900 kg)	31,791 lb (14,420 kg)	31,160 lb (14,133 kg)
Maximum Digging Depth	18' 0" (5,486 mm)	17' 10.4" (5,445 mm)	19' 10" (6,050 mm)	19' 6" (5,950 mm)	21' 7"(6,590 mm)	19' 9" (6,030 mm)	19' 7" (5,969 mm)	19' 4" (5,900 mm)	19' 11" (6,060 mm)
Maximum Dump Height	20' 4" (6,197 mm)	20' 6" (6,250 mm)	21' 11" (6,680 mm)	23' 7" (7,190 mm)	21' 7"(6,590 mm)	21' 5" (6,520 mm)	23' 8" (7,213 mm)	24' 1" (7,350 mm)	20' 10" (6,920 mm)
Maximum Reach	28' 9" (8,738 mm)	28' 8.9" (8,760 mm)	28' 4" (8,640 mm)	28' 6" (8,680 mm)	30' 5" (9,260 mm)	28' 9" (8,770 mm)	29' 1" (8,864 mm)	28' 7" (8,720 mm)	29' 0" (8,850 mm)
Maximum Bucket Digging Force	22,188 lb (10,064 kg)	22,190 lb (10,065 kg)	20,200 lb (9,162 kg)	19,200 lb (8,708 kg)	22,000 lb (9,970 kg)	21,480 lb (9,743 kg)	21,480 lb (9,743 kg)	19,840 lb (9,000 kg)	21,720 lb (9,852 kg)
Maximum Arm Digging Force	12,634 lb (5,730 kg)	14,590 lb (6,618 kg)	12,600 lb (5,715 kg)	12,800 lb (5,805 kg)	15,500 lb (7,030 kg)	13,521 lb (6,133 kg)	13,521 lb (6,153 kg)	12,570 lb (5,700 kg)	13,430 lb (6,091 kg)
Traction Force	32,804 lb (14,879 kg)	32,600 lb (14,786 kg)	26,100 lb (11,838 kg)	35,628 lb (16,160 kg)	25,042 lb (11,358 kg)	24,729 lb (11,217 kg)	24,251 lb (11,000 kg)	27,560 lb (12,501 kg)	26,350 lb (11,952 kg)

ENGINE									
Make / Model	Isuzu / AM-4JJ1X TI	Deutz / TCD3.6L4 Turbo	Isuzu / AR4JJ1X	Cat / C4.4 Acert	Cat / C4.4 Acert	Deere / PowerTech PWS	Isuzu / 4JJ1X	Komatsu / SAA4D95LE-6	Volvo / D4J
Tier Rating	EPA Interim Tier 4	EPA Final Tier 4	EPA Tier 4 Final	EPA Tier 4 Final	EPA Tier 4 Final	EPA Tier 4 Final	EPA Interim Tier 4	EPA Interim Tier 4	EPA Tier 4 Final
Horsepower	103.3 hp (77 kW)	114 hp (85 kW)	102.0 hp (76.4 kW)	100.0 hp (74 kW)	122.0 hp (91 kW)	98.0 hp (73.0 kW)	97.0 hp (72 kW)	98.0 hp (72 kW)	121.0 hp (90 kW)
Rated Engine Speed	2,000 rpm	2,000 rpm	2,000 rpm	NP	NP	2,000 rpm	2,000 rpm	2,050 rpm	2,000 rpm
Maximum Torque	284.0 ft-lb (385 Nm)	339.3 ft-lb (460 Nm)	257.0 ft-lb (348 Nm)	NP	NP	NP	NP	NP	395.0 ft-lb (417 Nm)

UNDERCARRIAGE									
Track Width	20" (RT) / 24" (ST)	20" (RT) / 24" (ST)	23.6" (ST)	20", 24" (ST)	24" (ST)	24" (RT / ST)	20" (RCP) / 24" (ST)	20" (RL / ST) / 24" (ST)	20" (RT / ST) / 24" (ST)
Ground Pressure	6.57 (RT) psi (45.3 kPa)	6.88 (RT) psi (47.1 kPa)	5.4 psi (37.2 kPa)	6.9 psi (47.5 kPa)	6.1 psi (42.0 kPa)	5.3 psi (36.5 kPa)	6.67 psi (46.0 kPa)	6.54 psi (45.1 kPa)	6.1 psi (42.0 MPa)
Travel Speed Low Range	1.9 mph (3.0 km/h)	1.9 mph (3.0 km/h)	2.1 mph (3.4 km/h)	NP	NP	2.1 mph (3.3 km/h)	2.1 mph (3.3 km/h)	1.8 mph (2.9 km/h)	1.9 mph (3.4 km/h)
Travel Speed High Range	3.3 mph (5.3 km/h)	3.4 mph (5.5 km/h)	3.5 mph (5.6 km/h)	3.4 mph (5.5 km/h)	3.2 mph (5.2 km/h)	3.4 mph (5.5 km/h)	3.4 mph (5.5 km/h)	3.2 mph (5.1 km/h)	3.4 mph (5.5 km/h)

HYDRAULIC SYSTEM									
Total Hydraulic Flow	75.3 gpm (285.0 L/m)	78.9 gpm (298.9 L/m)	68.2 gpm (258.0 L/m)	68.0 gpm (256 L/m)	79.0 gpm (300 L/m)	56.0 gpm (211 L/m)	56.0 gpm (211 L/m)	64.0 gpm (242 L/m)	66.0 gpm (248 L/m)
Auxiliary Hydraulic Flow	#1 59.0 / #2 14.5 gpm (223 L/m - 54.9 L/m)	#1 59.0 / #2 14.5 gpm (223 L/m - 54.9 L/m)	NP	NP	NP	NP	NP	NP	NP
Hydraulic System Pressure	4,977 psi (34.3 MPa)	4,977 psi (34.3 MPa)	4,970 psi (34.2 MPa)	4,420 psi (30.47 MPa)	5,076 psi (34.99 MPa)	4,980 psi (34.33 MPa)	4,980 psi (34.33 MPa)	5,050 psi (34.81 MPa)	4,980 psi (34.33 MPa)
Hydraulic Reservoir Capacity	25.1 gal (95.0 L)	28.1 gal (107.0 L)	22.0 gal (83.2 L)	22.2 gal (84.0 L)	28.0 gal (106 L)	18.2 gal (62 L)	15.9 gal (60 L)	18.2 gal (69 L)	22.0 gal (85 L)

DIMENSIONS									
Width	8' 2" (2,490 mm)	8' 6" (2,590 mm)	8' 6" (2,590 mm)	8' 2" (2,490 mm)	8' 6" (2,590 mm)	8' 1" (2,460 mm)	8' 2" (2,490 mm)	8' 6" (2,590 mm)	8' 2" (2,489 mm)
Height	9' 3" (2,815 mm)	9' 8.5" (2,960 mm)	9' 3" (2,830 mm)	9' 11" (3,030 mm)	10' 5" (3,190 mm)	9' 0" (2,750 mm)	9' 2" (2,790 mm)	10' 6" (3,210 mm)	9' 2" (2,794 mm)
Length (Transport)	25' 8" (7,815 mm)	25' 7.3" (7,805 mm)	25' 11" (7,900 mm)	26' 3" (8,001 mm)	26' 2" (8,580 mm)	25' 3" (7,700 mm)	24' 3" (7,390 mm)	23' 11" (7,285 mm)	24' 10" (2,489 mm)
Ground Clearance	18.7" (465 mm)	19.0" (475 mm)	17.0" (431 mm)	17.0" (431 mm)	17.0" (431 mm)	16.0" (410 mm)	16.0" (410 mm)	16.0" (395 mm)	17.0" (431 mm)
Dozer Blade Height	21.6" (550 mm)	21.7" (550 mm)	NP	NP	25" (630 mm)	21.0" (523 mm)	18.0" (460 mm)	NP	23.0" (584 mm)
Boom Swing Angle (Degrees L / R)	77 / 53	75 / 55	NA	NA	NA	NA	NA	NA	NA
Min Front Swing Radius	9' 11" (3,015 mm)	9' 11" (3,015 mm)	NP	NP	7' 4" (2,235 mm)	8' 7" (2,616 mm)	8' 2" (2,489 mm)	7' 5" (2,260 mm)	9' 3" (2,819 mm)
Tail Swing Radius	6' 9" (2,057 mm)	6' 6.7" (2,000 mm)	7' 1" (2,170 mm)	5' 0" (1,530 mm)	8' 2" (2,590 mm)	7' 2" (2,190 mm)	4' 11" (1,498 mm)	5' 1" (1,545 mm)	7' 3" (2,209 mm)