

# TL12R2

## Product Comparison

	Takeuchi TL12R2	Bobcat T870	Caterpillar 299D2 XHP	John Deere 333G	Terex ASV RT-120	Terex ASV RT-120 FORESTRY	Kubota SVL 95-2
<b>PERFORMANCE</b>							
Loader Boom Design	Radial	Vertical	Vertical	Vertical	Radial	Radial	Vertical
Operating Weight	12,300 lb (5,580 kg)	12,925 lb (5,863 kg)	11,608 lb (5,265 kg)	11,800 lb (5,357 kg)	11,100 lb (5,035 kg)	12,100 lb (5,488 kg)	11,299 lb (5,125 kg)
Tipping Load	8,629 lb (3,915 kg)	10,430 lb (4,731 kg)	9,450 lb (4,286 kg)	10,570 lb (4,799 kg)	7,600 lb (3,447 kg)	8,600 lb (3,901 kg)	9,143 lb (4,147 kg)
Tipping Load w/ CW	NA	NP	NP	NP	NP	NP	NP
Operating Capacity*	2,975 lb (1,349 kg)	3,650 lb (1,656 kg)	3,308 lb (1,500 kg)	3,700 lb (1,678 kg)	2,660 lb (1,207 kg)	3,010 lb (1,365 kg)	3,200 lb (1,451 kg)
Operating Capacity w/ CW	NA	NP	NP	NP	NP	NP	NP
Bucket Breakout Force	8,210 lb (3,722 kg)	NP	7,270 lb (3,298 kg)	13,875 lb (6,299 kg)	6,750 lb (3,062 kg)	6,750 lb (3,062 kg)	7,961 lb (3,611 kg)
Lift Arm Breakout Force	8,075 lb (3,663 kg)	NP	6,162 lb (2,795 kg)	6,600 lb (2,996 kg)	5,750 lb (2,608 kg)	5,750 lb (2,608 kg)	6,742 lb (3,058 kg)
Traction Force	14,010 lb (6,353 kg)	NP	NP	11,500 lb (5,221 kg)	NP	NP	12,178 lb (5,524 kg)
* Operating capacity of track loaders to be rated according to SAE J818 at no more than 35% of the tipping load				# Spec with Foundry Bucket			
<b>ENGINE</b>							
Make / Model	Kubota / V3800-TIEF4B	Kubota / V3800CR-T	Kubota / V3800DIT	Yanmar / 4TNV94CHT	Perkins / 854E E34TA	Perkins / 854E E34TA	V3800-TIEF4
Tier Rating	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Interim Tier 4	EPA Interim Tier 4	EPA Interim Tier 4	EPA Final Tier 4
Horsepower	111.3 hp (83.0 kW)	100 hp (74.6 kW)	110.0 hp (82.0 kW)	100.0 hp (74.6 kW)	120.0 hp (89.4 kW)	120.0 hp (89.4 kW)	96.4hp (71.9 kW)
Rated Engine Speed	2,400 rpm	NP	NP	2,500 rpm	2,800 rpm	2,800 rpm	2,400 rpm
Maximum Torque	284 ft-lb (385 Nm)	281.0 ft-lb (381 Nm)	276.0 ft-lb (374 Nm)	291.0 ft-lb (395 Nm)	360.0 ft-lb (488 Nm)	360.0 ft-lb (488 Nm)	NP
<b>UNDERCARRIAGE</b>							
Track Width	17.7" (450 mm)	17.7" (450 mm)	15.7" (400 mm)	17.7" (450 mm)	18.0" (457 mm)	20.0" (508 mm)	17.7" (450 mm)
Track Ground Contact Length	5' 7.5" (1,716 mm)	5' 10.2" (1,783 mm)	5' 9.6" (1,768 mm)	NP	5' 11" (1,803 mm)	5' 11" (1,803 mm)	5' 5.6" (1,667 mm)
Ground Pressure	4.58 psi (31.6 kPa)	4.8 psi (33.1 kPa)	5.3 psi (36.5 kPa)	4.5 psi (31.1 kPa)	4.1 psi (28.2 kPa)	4.25 psi (29.3 kPa)	4.4 psi (30.3kPa)
Travel Speed Low Range	5.0 mph (8.1 km/hr)	7.2 mph (11.6 km/hr)	5.2 mph (8.4 km/hr)	5.3 mph (8.5 km/hr)	6.0 mph (9.7 km/hr)	6.0 mph (9.7 km/hr)	5.0 mph (8.0 km/hr)
Travel Speed High Range	7.3 mph (11.8 km/hr)	11.4 mph (18.3 km/hr)	8.4 mph (13.5 km/hr)	7.8 mph (12.6 km/hr)	10.0 mph (16 km/hr)	10.0 mph (16 km/hr)	7.3 mph (11.7 km/hr)
<b>HYDRAULIC SYSTEM</b>							
Hydraulic Reservoir Capacity	13.2 gal (50.0 L)	3.0 gal (11.4 L)	10.3 gal (39 L)	NP	22.0 gal (86 L)	22.0 gal (114 L)	10.1 gal (38.2 L)
Auxiliary Flow - Standard	23.2 gpm (88.0 L/m)	23.0 gpm (87.1 L/m)	23.0 gpm (87.0 L/m)	25.0 gpm (95 L/m)	20.0 gpm (76 L/m)	20.0 gpm (76 L/m)	23.1 gpm (87.4 L/m)
Auxiliary Flow - High Flow Option	40.4 gpm (153.0 L/m)	36.6 gpm (138.5 L/m)	40.0 gpm (151 L/m)	41.1 gpm (155.6 L/m)	45.0 gpm (170 L/m)	45.0 gpm (170 L/m)	40.0 gpm (151 L/m)
Hydraulic System Pressure	3,481 psi (24.0 MPa)	3,500 psi (24.1 MPa)	3,335 psi / 4,061 psi	3,450 psi (23.8 MPa)	3,300 psi / 4,060 psi	3,300 psi / 4,060 psi	3,553 psi (24.5 MPa)
<b>DIMENSIONS</b>							
Front Clearance Radius with Bucket	8' 4.6" (2,555 mm)	8' 3" (2,511 mm)	7' 7.1" (2,314 mm)	7' 1" (2,159 mm)	NP	NP	NP
Rear Clearance Radius	6' 0.0" (1,829 mm)	NP	6' 2.0" (1,880 mm)	NP	NP	NP	NP
Max. Lift Height to Bucket Pin	10" 6.0" (3,200 mm)	12' 0" (3,658 mm)	10'6.3" (3,208 mm)	10' 6" (3,200 mm)	10' 5" (3,175 mm)	10' 5" (3,175 mm)	10' 8.5" (3,264 mm)
Dump Height Fully Raised	7' 10.5" (2,400 mm)	NP	7' 10.5" (2,400 mm)	8' 6" (2,591 mm)	7' 7" (2,311 mm)	7' 7" (2,311 mm)	NP
Reach Fully Raised	3' 1.8" (960 mm)	3' 0.5" (927 mm)	2' 9.6" (853 mm)	2' 8.2" (818 mm)	NP	NP	3' 4.7" (1,034 mm)
Overall Width Without Bucket	6' 5.2" (1,960 mm)	6' 10.8" (2,103 mm)	6' 4" (1,930 mm)	6' 8.7" (2,050 mm)	5' 10" (1,778 mm)	6' 1" (1,829 mm)	6' 5.2" (1,961 mm)
Overall Height	7' 7.0" (2,311 mm)	6' 11.6" (2,123 mm)	6' 11.6" (2,123 mm)	7' 1" (2,159 mm)	7' 1.5" (2,172 mm)	7' 1.5" (2,172 mm)	6' 11.3" (2,116 mm)
Minimum Ground Clearance	12.5" (320 mm)	8.6" (218 mm)	9.6" (244 mm)	10.4" (264 mm)	14.8" (375 mm)	14.8" (375 mm)	11.5 (292 mm)