

TL8

Product Comparison

	Takeuchi TL8	Bobcat T590	Bobcat T630	Bobcat T650 M	Case TR270	Case TR310	Caterpillar 259D	John Deere 323E	Kubota SVL75-2
PERFORMANCE									
Loader Boom Design	Radial	Vertical	Radial	Vertical	Radial	Radial	Vertical	Vertical	Vertical
Operating Weight	8,445 lb (3,835 kg)	7,822 lb (3,548 kg)	8,555 lb (3,880 kg)	9,113 lb (4,134 kg)	8,270 lb (3,750 kg)	8,880 lb (4,028 kg)	8,846 lb (4,012 kg)	9,600 lb (4,354 kg)	9,039lb (4,100 kg)
Tipping Load	6,020 lb (2,731 kg)	6,000 lb (2,721 kg)	6,000 lb (2,722 kg)	7,343 lb (3,331 kg)	5,400 lb (2,449 kg)	6,200 lb (2,810 kg)	5,800 lb (2,631 kg)	7,400 lb (3,360 kg)	6,570 lb (2,980 kg)
Tipping Load w/ CW	6,640 lb (3,072 kg)	NP	NP	NP	NP	NP	NP	NP	NP
Operating Capacity*	2,105 lb (955 kg)	2,100 lb (953 kg)	2,100 lb (953 kg)	2,570 lb (1,166 kg)	1,890 lb (860 kg)	2,170 lb (984 kg)	2,030 lb (921 kg)	2,590 lb (1,176 kg)	2,300 lb (1,043 kg)
Operating Capacity w/ CW	2,323 lb (1,054 kg)	NP	NP	NP	NP	NP	NP	NP	NP
Bucket Breakout Force	6,856 lb (3,110 kg)	NP	NP	NP	7,270 lb (3,298 kg)	8,680 lb (3,937 kg)	5,035 lb (2,284 kg)	7,000 lb (3,178 kg)	6,204 lb (2,814 kg)
Lift Arm Breakout Force	6,709 lb (3,100 kg)	NP	NP	NP	6,260 lb (2,839 kg)	6,440 lb (2,921 kg)	NP	4,300 lb (1,952 kg)	4,766 lb (2,162 kg)
Traction Force	9,127 lb (4,140 kg)	NP	NP	NP	7,414 lb (3,370 kg)	7,414 lb (3,370 kg)	NP	8,500 lb (3,850 kg)	9,678 lb (4,390 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		# Spec with Foundry Bucket		# Spec with Foundry Bucket
ENGINE									
Make / Model	Kubota / V3307-CR-T	Doosan / 2.4L	Doosan / 2.4L	Doosan / 2.4L	FPT / F5H FL463 AF001	FPT / F5H FL463 AF001	CAT C3.3B DIT	Yanmar / 4TNV98CT	Kubota / V3307-CR-TE4
Tier Rating	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4
Horsepower	74.3 hp (55.4 kW)	66.0 hp (49.2 kW)	74.0 hp (55.2 kW)	74.0 hp (55.2 kW)	74.0 hp (55 kW)	74.0 hp (55 kW)	74.3 hp (55.4 kW)	74.0 hp (54.8 kW)	74.3 hp (55.4 kW)
Rated Engine Speed	2,600 rpm	2,600 rpm	2,600 rpm	2,600 rpm	2,500 rpm	2,500 rpm	2,525 rpm	2,500 rpm	2,400 rpm
Maximum Torque	192.0 ft-lb (260 Nm)	160.8 ft-lb (218 Nm)	209.4 ft-lb (283.9 Nm)	209.4 ft-lb (283.9 Nm)	232.0 ft-lb (314 Nm)	232.0 ft-lb (314 Nm)	195 ft-lb (264 Nm)	207.0 ft-lb (280 Nm)	NP
UNDERCARRIAGE									
Track Width	15.7" (400 mm)	12.6" (320 mm)	12.6" (320 mm)	12.6" (320 mm)	12.6" (320 mm)	15.7" (400 mm)	15.7" (400 mm)	15.8" (401 mm)	15.0" (380 mm)
Track Ground Contact Length	4' 6.7" (1,390 mm)	4'6.1" (1,374 mm)	4'10.5" (1,486 mm)	4'10.5" (1,486 mm)	4'7.9" (1,420 mm)	4'7.9" (1,420 mm)	4' 11" (1,499 mm)	NP	4' 8.5" (1,435 mm)
Ground Pressure	4.4 psi (30.2 kPa)	5.1 psi (35.2 kPa)	5.3 psi (36.5 kPa)	5.7 psi (39.3 kPa)	6.0 psi (41.4 kPa)	5.0 psi (34.5 kPa)	4.8 psi (33.1 kPa)	4.7 psi (32.4 kPa)	4.7 psi (32.4 kPa)
Travel Speed Low Range	4.6 mph (7.4 km/h)	7.1 mph (11.4 km/h)	6.2 mph (10.0 km/h)	6.2 mph (10.0 km/h)	5.1 mph (8.2 km/h)	5.1 mph (8.2 km/h)	5.9 mph (9.5 km/h)	5.6 mph (9.0 km/h)	4.7 mph (7.6 km/h)
Travel Speed High Range	6.8 mph (11.0 km/h)	10.4 mph (16.7 km/h) (Optional)	10.0 mph (16.1 km/h) (Optional)	10.0 mph (16.1 km/h) (Optional)	7.6 mph (12.2 km/h) (Optional)	7.6 mph (12.2 km/h) (Optional)	8.5 mph (13.7 km/h)	8.7 mph (14.0 km/h) (Optional)	7.1 mph (11.4 km/h)
HYDRAULIC SYSTEM									
Hydraulic Reservoir Capacity	10.3 gal (39.0 L)	2.0 gal (7.6 L)	2.7 gal (10.2 L)	2.7 gal (10.2 L)	7.0 gal (26.5 L)	5.3 gal (20.0 L)	10.3 gal (39 L)	NP	9.2 gal (34.8 L)
Auxiliary Flow - Standard	18.4 gpm (69.5 L/m)	17.1 gpm (64.7 L/m)	23.0 gpm (87.1 L/m)	23.0 gpm (87.1 L/m)	24.2 gpm (91.5 L/m)	24.2 gpm (91.5 L/m)	20.0 gpm (76 L/m)	18.0 gpm (68 L/m)	17.4 gpm (65.9 L/m)
Auxiliary Flow - High Flow Option	33.0 gpm (124.9 L/m)	26.7 gpm (101 L/m)	30.5 gpm (115.5 L/m)	30.5 gpm (115.5 L/m)	32.4 gpm (122.6 L/m)	32.4 gpm (122.6 L/m)	30.0 gpm (114 L/m)	25.0 gpm (95 L/m)	29.3 gpm (111 L/m)
Hydraulic System Pressure	3,046 psi (21.0 MPa)	3,500 psi (24.1 MPa)	3,500 psi (24.1 MPa)	3,500 psi (24.1 MPa)	3,050 psi (21.0 MPa)	3,050 psi (21.0 MPa)	3,335 psi (23.0 MPa)	3,250 psi (22.4 MPa)	3,185 psi (22.0 MPa)
DIMENSIONS									
Front Clearance Radius with Bucket	6' 11.9" (2,131 mm)	NP	NP	NP	6' 7.9" (2,029 mm)	6'7.9" (2,029 mm)	7' 2" (2,184 mm)	6' 8" (2,035 mm)	NP
Rear Clearance Radius	5' 2.4" (1,585 mm)	NP	NP	NP	5' 2.9" (1,598 mm)	5' 2.9" (1,598 mm)	5' 1.5" (1,562 mm)	NP	NP
Max. Lift Height to Bucket Pin	9' 11" (3,030 mm)	9' 11" (3,023 mm)	10' 1" (3,073 mm)	10' 4" (3,150 mm)	10' 3" (3,124 mm)	10' 3" (3,124 mm)	10' 1" (3,073 mm)	10' 3" (3,124 mm)	9' 11" (3,025 mm)
Dump Height Fully Raised	7' 9" (2,370 mm)	NP	NP	NP	8' 2" (2,494 mm)	8' 2" (2,494 mm)	7' 5.9" (2,283 mm)	8' 2" (2,499 mm)	7' 4.9" (2,258 mm)
Reach Fully Raised	2' 4.7" (730 mm)	2' 10.9" (886 mm)	2' 0" (610 mm)	2' 10.2" (869 mm)	1' 10.3" (566 mm)	1' 10.3" (566 mm)	1' 11.9" (607 mm)	2' 4.5" (724 mm)	3' 5.7" (1,059 mm)
Overall Width Without Bucket	5' 5.4" (1,660 mm)	5'7 " (1,702 mm)	6'0.9" (1,852 mm)	6'0.9" (1,852 mm)	5'5.9" (1,674 mm)	6' 2.3" (1,887 mm)	5' 9" (1,755 mm)	5' 11.8" (1,824 mm)	5' 8.3" (1,735 mm)
Overall Height	6' 11.9" (2,235 mm)	6' 5.8" (1,976 mm)	6' 9.3" (2,065 mm)	6' 9.3" (2,065 mm)	6' 6.7" (1,999 mm)	6' 6.7" (1,999 mm)	6' 11" (2,111 mm)	6' 9" (2,057 mm)	6'10" (2,083 mm)
Minimum Ground Clearance	12.1" (310 mm)	7.3" (185 mm)	8.1" (206 mm)	8'1" (206 mm)	8.0" (203 mm)	8.0" (203 mm)	8.9" (226 mm)	9.8" (250 mm)	11.7" (296 mm)