

# TB235-2

## Competitive Details

	Takeuchi TB235-2	Bobcat E35i	Bobcat E35	Caterpillar 303.5E2	John Deere 30G	John Deere 35G	Kubota KX33-4	Kubota U35-4	Yanmar ViO35-6A
<b>PERFORMANCE</b>									
Tail Swing Design	Conventional	Conventional	Conventional	Zero Tail	Zero Tail	Zero Tail	Zero Tail	Conventional	Zero Tail
Operating Weight	7,418 lb (3,365 kg)	8,143 lb (3,693 kg)	7,468 lb (3,387 kg)	7,803 lb (3,593 kg)	6,850 lb (3,105 kg)	8,340 lb (3,783 kg)	7,420 lb (3,366 kg)	8,129 lb (3,687 kg)	7,905 lb (3,585 kg)
Max Digging Depth	10' 7.7" (3,245 mm)	11' 2.0" (3,404 mm)	10' 2.4" (3,19 mm)	10' 4" (3,149 mm)	9' 2" (3,554 mm)	11' 4" (3,554 mm)	10' 6" (2,210 mm)	9' 8.9" (2,970mm)	11' 3" (3,440 mm)
Max Dump Height	11' 9.5" (3,595 mm)	11' 6.0" (3,505 mm)	11' 0.0" (3,353 mm)	11' 9" (3,590 mm)	10' 6" (3,581 mm)	11' 9" (3,581 mm)	11' 7" (3,530mm)	11' .7" (3,370 mm)	11' 2" (3,410 mm)
Max Reach	17' 2.9" (5,255 mm)	18' 1.0" (3,505 mm)	17' 2.4" (5,243 mm)	17' 8" (5,384 mm)	16' 1" (5,512 mm)	18' 1" (5,512 mm)	16' 10" (5,120 mm)	16' 11.3" (5,165 mm)	17' 3" (5,270 mm)
Max Bucket Digging Force	9,127 lb (4,140 kg)	6,968 lb (3,161 kg)	6,968 lb (3,161 kg)	7,419 lb (3,365 kg)	NP	6,085lb (2,760 kg)	8,138 lb (3,946 kg)	7,924 lb (3,596 kg)	5,643 lb (2,560 kg)
Max Arm Digging Force	3,889 lb (1,764 kg)	3,968lb (1,800 kg)	4,589 lb (2,082 kg)	3,799 lb (1,723 kg)	NP	3792 lb (1,720 kg)	3,867 lb (2,763 kg)	4,451 lb (2,019 kg)	NP
Traction Force	9,112 lb (4,130 kg)	NP	NP	6,992 lb (3,172 kg)	NP	NP	6,091 lbs (2,763 kg)	6,091 lb (2,763 kg)	NP
<b>ENGINE</b>									
Make / Model	Yanmar / 3TNV88F	NP	NP	Cat / C1.7	Yanmar / 3TNV88F-EPHB	Yanmar / 3TNV88F	Kubota/ D1703M-DI-E4	Kubota / D1703M-DI-E4	Yanmar / 3TNV88F-ESBV
Tier Rating	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Interim Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4
Horsepower	24.4hp (18.2 kW)	24.8 hp (18.5 kW)	33.5 hp (25.0 kW)	24.8hp (18.5 kW)	23.3 hp (17.4 kW)	23.3 hp (17.4 kW)	35.9 hp (26.8 kW)	24.8 hp (18.5 kW)	24.4 hp (18.2 kW)
Rated Engine Speed	2,400 rpm	2,550 rpm	2,400 rpm	NP	2,400 rpm	2,400 rpm	2,400 rpm	2,200 rpm	2,200 rpm
Max Torque	68 ft-lb (92.2 Nm)	NP	NP	NP	NP	NP	NP	NP	NP
<b>UNDERCARRIAGE</b>									
Track Width	11.8" (300 mm)	11.8" (300 mm)	11.8" (300 mm)	112" (300 mm)	12" (300 mm)	12" (300 mm)	11.8" (300 mm)	11.8" (300 mm)	12" (300 mm)
Ground Pressure	4.4 psi (30.4 kPa)	NP	NP	4.6 psi (31.7 kPa)	4.1 psi (28 kPa)	4.9 psi (33.8 kPa)	4.4 psi (30.3 kPa)	4.9 psi (33.8 kPa)	4.8 psi (33.1 kPa)
Travel Speed Low Range	1.7 mph (2.8 km/h)	1.6 mph (2.6 km/h)	1.6 mph (2.6 km/h)	2.0 mph (3.1 km/h)	1.7 mph (2.8 km/h)	1.7 mph (2.8 km/h)	1.9 mph (3.0 km/h)	1.9 mph (3.0 km/h)	1.6 mph (2.6 km/h)
Travel Speed High Range	2.8 mph (4.4 km/h)	2.9 mph (4.7 km/h)	2.9 mph (4.7 km/h)	2.9 mph (4.6 km/h)	2.7 mph (4.3 km/h)	2.7 mph (4.3 km/h)	2.9 mph (4.6 km/h)	2.9 mph (4.6 km/h)	2.7 mph (4.5 km/h)
<b>HYDRAULIC SYSTEM</b>									
Total Hydraulic Flow	28.6 gpm (108.4L/m)	NP	NP	26.4 gpm (100 L/m)	26.2 gpm (99.2 L/m)	26.2 gpm (99.2 L/m)	21 gpm (39.6 L/m)	21 gpm (39.6 L/m)	29.4 gpm (111.3 L/m)
Auxiliary Hydraulic Flow	15.8 gpm (60 L/m)	16.9 gpm (64.0 L/m)	16.9 gpm (64.0 L/m)	18.5 gpm (70 L/m)	16.2 gpm (61.2 L/m)	16.2 gpm (61.2 L/m)	15.8 gpm (60 L/m)	15.8 gpm (60 L/m)	16.7 gpm (63.2 L/m)
Hydraulic System Pressure	3,553 psi (24.5 MPa)	2,987 psi (20.6MPa)	2,987 psi (20.6MPa)	3,553 psi (24.5 MPa)	NP	NP	NP	NP	3,205 psi (22.1 MPa)
Hydraulic Reservoir Capacity	9.2 gal (56.0 L)	NP	NP	11.2 gal (42.3 L)	11.4 gal (43.2 L)	11.4 gal (43.2 L)	11.8 gal (44.6 L)	11.8 gal (44.6 L)	NP
<b>DIMENSIONS</b>									
Width	5' 2.2" (1,580 mm)	5' 9" (1,753 mm)	5' 9" (1,753 mm)	5' 8" (1,780 mm)	5' 1" (1,749 mm)	5' 9" (1,753 mm)	5' 1" (1,550 mm)	5' 6.9" (1,700 mm)	5' 9" (1,740 mm)
Height	8' 2.8" (2,510 mm)	7' 11.6" (2,428 mm)	7' 11.6" (2,428 mm)	8' 1" (2,500 mm)	8' 2" (2,489 mm)	8' 2" (2,489 mm)	8' 1.0" (2,480 mm)	8' 1.2" (2,469 mm)	8' 1" (2,470 mm)
Length (Transport)	16' 0.9" (4,900 mm)	15' 10.1" (4,828 mm)	15' 9.7" (4,818 mm)	15' 10" (4,820 mm)	14' 7" (4,445 mm)	15' 8" (4,790 mm)	15' 6" (4,730 mm)	15' 7" (4,750 mm)	17' 8" (5,390 mm)
Ground Clearance	11.6" (295 mm)	NP	NP	NP	11.0" (280 mm)	11.0" (280 mm)	11.4" (290 mm)	11.34" (288 mm)	12.6" (320 mm)
Boom Swing (Degrees L / R)	NP	75 / 55	75 / 55	80 / 50	72 / 62	72 / 62	70 / 48	71 / 45	43 / 65
Min Front Swing Radius	6' 7.0" (2,005 mm)	NP	NP	7' 2" (2,180 mm)	5' 2" (1,574 mm)	7' 2" (2,184 mm)	6' 7" (2,007 mm)	7' 4.6" (2,250 mm)	7' 1" (2,170 mm)
Tail Swing Radius	4' 4.4" (1,330 mm)	NP	NP	2' 11" (890 mm)	2' 7" (787 mm)	3' 3" (1,000 mm)	4' 1" (1,250 mm)	2' 11" (901 mm)	2' 7" (775 mm)