

TB230

Competitive Details

| | Takeuchi TB230 | Bobcat E26 | Bobcat E32 | Caterpillar 302.7D CR | Caterpillar 303E CR | John Deere 26G | John Deere 30G | Kubota KX71-3S | Yanmar Vi025-6A |
|------------------------------|----------------------|----------------------|----------------------|--------------------------|------------------------|---------------------|-----------------------|---------------------|----------------------|
| PERFORMANCE | | | | | | | | | |
| Tail Swing Design | Conventional | Zero Tail | Conventional | Zero Tail | Minimal | Zero Tail | Zero Tail | Conventional | Zero Tail |
| Operating Weight | 6,360 lb (2,885 kg) | 5,666 lb (2,570 kg) | 7,183 lb (3,258 kg) | 5,681 lb (2,577 kg) | 7,297 lb (3,310 kg) | 6,110 lb (2,770 kg) | 6,850 lb (3,105 kg) | 6,305 lb (2,860 kg) | 5,919 lb (2,685 kg) |
| Max Digging Depth | 9' 3.6" (2,835 mm) | 8' 6" (2,591 mm) | 10' 2.4" (3,109 mm) | 8' 4" (2,544 mm) | 9' 0" (2,750 mm) | 8' 6" (2,591 mm) | 9' 2" (3,554 mm) | 9' 9" (2,970 mm) | 9' 0" (2,743 mm) |
| Max Dump Height | 10' 7.2" (3,230 mm) | 9' 10.8" (3,018 mm) | 11' 0" (3,353 mm) | 9' 4" (2,840 mm) | 10' 4" (3,150 mm) | 10' 6" (3,200 mm) | 10' 6" (3,581 mm) | 10' 5" (3,180 mm) | 9' 1" (2,780 mm) |
| Max Reach | 15' 10.9" (4,850 mm) | 14' 10.8" (4,541 mm) | 16' 3.6" (4,968 mm) | 15' 1" (4,613 mm) | 16' 3" (4,950 mm) | 15' 2" (4,623 mm) | 16' 1" (5,512 mm) | 16' 4" (4,990 mm) | 16' 1" (4,910 mm) |
| Max Bucket Digging Force | 6,471 lb (2,935 kg) | 4,991 lb (2,264 kg) | 6,969 lb (3,161 kg) | 5,058 lb (2,294 kg) | 6,384 lb (2,896 kg) | 4,994 lb (2,265 kg) | NP | 6,350 lb (2,880 kg) | 5,203 lb (2,360 kg) |
| Max Arm Digging Force | 2,900 lb (1,315 kg) | 3,552 lb (1,611 kg) | 4,589 lb (2,082 kg) | 3,057 lb (1,387 kg) | 3,731 lb (1,692 kg) | 3,410 lb (1,547 kg) | NP | 3,285 lb (1,490 kg) | NP |
| Traction Force | 6,334 lb (2,873 kg) | 6,789 lb (3,079 kg) | NP | NP | 6,946 lb (3,151 kg) | NP | NP | 7,081 lb (3,212 kg) | NP |
| ENGINE | | | | | | | | | |
| Make / Model | Yanmar / 3TNV88F | Kubota / D1105 | Kubota / D1105 | Yanmar / 3TNV76 | Cat / C1.3 | Yanmar / 3TNV80F | Yanmar / 3TNV88F-EPHB | Kubota / V1505 | Yanmar / 3TNV80F |
| Tier Rating | EPA Final Tier 4 | 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 |
| Horsepower | 24.4 hp (18.2 kW) | 24.8 hp (18.5 kW) | 24.8 hp (18.5 kW) | 24.3 hp (17.9 kW) | 24.8 hp (18.5 kW) | 20.0 hp (14.9 kW) | 23.3 hp (17.4 kW) | 24.4 hp (18.2 kW) | 20.4 hp (15.2 kW) |
| Rated Engine Speed | 2,400 rpm | 2,500 rpm | 2,200 rpm | NP | 2,400 rpm | 2,500 rpm | 2,400 rpm | 2,250 rpm | 2,500 rpm |
| Max Torque | 63.0 ft-lb (85.3 Nm) | 48.5 ft-lb (65.8 Nm) | NP | NP | NP | NP | NP | NP | NP |
| UNDERCARRIAGE | | | | | | | | | |
| Track Width | 11.8" (300 mm) | 11.8" (300 mm) | NP | 11.8" (300 mm) | 11.8" (300 mm) | 11.8" (300 mm) | 12" (300 mm) | 11.8" (300 mm) | 10.0" (250 mm) |
| Ground Pressure | 4.3 psi (29.6 kPa) | 3.7 psi (25.5 kPa) | NP | NP | 4.6 psi (32.2 kPa) | 3.6 psi (25.0 kPa) | 4.1 psi (28 kPa) | 3.9 psi (26.9 kPa) | 4.4 psi (30.2 kPa) |
| Travel Speed Low Range | 1.8 mph (2.9 km/h) | 1.5 mph (2.4 km/h) | 1.6 mph (2.6 km/h) | 1.3 mph (2.1 km/h) | 1.5 mph (2.4 km/h) | 1.8 mph (2.9 km/h) | 1.7 mph (2.8 km/h) | 1.8 mph (2.8 km/h) | 1.7 mph (2.8 km/h) |
| Travel Speed High Range | 3.2 mph (5.2 km/h) | 2.8 mph (4.6 km/h) | 2.9 mph (4.7 km/h) | 2.4 mph (3.8 km/h) | 2.8 mph (4.5 km/h) | 2.8 mph (4.5 km/h) | 2.7 mph (4.3 km/h) | 2.9 mph (4.6 km/h) | 2.8 mph (4.5 km/h) |
| HYDRAULIC SYSTEM | | | | | | | | | |
| Total Hydraulic Flow | 24.2 gpm (91.6 L/m) | NP | NP | 23.6 gpm (89.4 L/m) | 23.1 gpm (87.6 L/m) | 20.1 gpm (88.2 L/m) | 26.2 gpm (99.2 L/m) | 21.4 gpm (81.0 L/m) | 23.4 gpm (88.6 L/m) |
| Auxiliary Hydraulic Flow | 13.4 gpm (50.6 L/m) | 12.7 gpm (48 L/m) | 16.9 gpm (64 L/m) | 13.8 gpm (52.2 L/m) | 15.9 gpm (60 L/m) | 12.2 gpm (46.2 L/m) | 16.2 gpm (61.2 L/m) | 13.1 gpm (49.6 L/m) | 13.6 gpm (51.5 L/m) |
| Hydraulic System Pressure | 3,046 psi (21.0 MPa) | 2,611 psi (18.0 MPa) | 2,987 psi (20.6 MPa) | 3,336 psi (22.5 MPa) | 3,553 psi (24.5 MPa) | NP | NP | NP | 2,987 psi (20.6 MPa) |
| Hydraulic Reservoir Capacity | 9.2 gal (35 L) | NP | NP | 7.0 gal (26.5 L) | 12.4 gal (47 L) | 6.3 gal (23.8L/m) | 11.4 gal (43.2 L) | 9.0 gal (34 L) | NP |
| DIMENSIONS | | | | | | | | | |
| Width | 4' 9.5" (1,460 mm) | 4' 11.6" (1,514 mm) | 4' 11.8" (1,519 mm) | 5' 2" (1,570 mm) | 5' 0" (1,550 mm) | 4' 11" (1,499 mm) | 5' 1" (1,749 mm) | 4' 11" (1,499 mm) | 4' 11" (1,500 mm) |
| Height | 8' 3.9" (2,540 mm) | 7' 10.9" (2,410 mm) | 7' 11.6" (2,428 mm) | 7' 11" (2,408 mm) | 8' 2" (2,500 mm) | 8' 0" (2,438 mm) | 8' 2" (2,489 mm) | 8' 0" (2,438 mm) | 8' 2" (2,490 mm) |
| Length (Transport) | 15' 3" (4,595 mm) | 14' 2.4" (4,328 mm) | 15' 5.3" (4,707 mm) | 14' 0" (4,255 mm) | 14' 8" (4,470 mm) | 14' 8" (4,470 mm) | 14' 7" (4,445 mm) | 14' 11" (4,550 mm) | 13' 5" (4,090 mm) |
| Ground Clearance | 11.9" (305 mm) | NP | NP | NP | NP | 12.0" (305 mm) | 11.0" (280 mm) | 11.0" (285 mm) | 12.6" (320 mm) |
| Boom Swing (Degrees L / R) | 78 / 58 | 60 / 60 | 75 / 55 | 75 / 50 | 80 / 50 | 70 / 60 | 72 / 62 | 80 / 60 | 47 / 74 |
| Min Front Swing Radius | 6' 2.7" (1,895 mm) | 7' 0" (2,134 mm) | NP | NP | 6' 11" (2,110 mm) | 6' 4" (1,930 mm) | 5' 2" (1,574 mm) | 6' 4" (1,940 mm) | 7' 1" (2,160 mm) |
| Tail Swing Radius | 4' 3" (1,330 mm) | 2' 6.3" (770 mm) | NP | 2' 6" (760 mm) | 2' 11" (890 mm) | 2' 7" (787 mm) | 2' 7" (787 mm) | 3' 11.6" (1,210 mm) | 2' 5" (750 mm) |