

# TB280FR

## Product Comparison

# TAKEUCHI®

	Takeuchi TB257FR	Bobcat E55	Bobcat E60	Caterpillar 305.5E2 CR	John Deere 60G	Kubota KX057-4	Volvo ECR58D	Yanmar ViO55-6A
<b>PERFORMANCE</b>								
Tail Swing Design	Short Tail	Conventional	Conventional	Minimal	Minimal	Conventional	Minimal	Zero Tail
Operating Weight	12,675 lb (5,750 kg)	12,004 lb (5,445 kg)	12,315 lb (5,586 kg)	11,596 lb (5,259 kg)	13,320 lb (6,042 kg)	12,200 lb (5,535 kg)	12,782 lb (5,798 kg)	11,850 lb (5,375 kg)
Max Digging Depth	12' 9.4" (3,895 mm)	12' 10.8" (3,932 mm)	13' 1.2" (3,992 mm)	12' 8" (3,870 mm)	13' 6" (4,115 mm)	12' 8.2" (3,861 mm)	12' 11" (3,940 mm)	12' 9.5" (3,899 mm)
Max Dump Height	12' 9.2" (3,890 mm)	13' 7.2" (4,145 mm)	14' 3.6" (4,359 mm)	13' 5" (4,080 mm)	14' 6" (4,420 mm)	13' 9" (4,191 mm)	14' 1" (4,280 mm)	13' 3" (4,039 mm)
Max Reach	20' 4.6" (6,215 mm)	20' 0" (6,096 mm)	20' 6" (6,248 mm)	20' 3" (6,170 mm)	21' 6" (6,553 mm)	20' 6" (6,248 mm)	20' 11" (6,370 mm)	20' 2" (6,147 mm)
Max Bucket Digging Force	10,431 lb (4,731 kg)	8,977 lb (4,072 kg)	10,261 lb (4,654 kg)	11,445 lb (5,191 kg)	9,240 lb (4,191 kg)	11,177 lb (5,070 mm)	8,950 lb (4,060 kg)	9,419 lb (4,272 kg)
Max Arm Digging Force	5,190 lb (2,354 kg)	5,751 lb (2,609 kg)	6,446 lb (2,924 kg)	5,575 lb (2,529 kg)	6,060 lb (2,749 kg)	5,644 lb (2,560 mm)	5,060 lb (2,295 kg)	5,485 lb (2,488 kg)
Traction Force	15,040 lb (6,822 kg)	NP	NP	10,746 lb (4,874 kg)	NP	14,480 lb (6,567 mm)	11,016 lb (4,997 kg)	NP
<b>ENGINE</b>								
Make / Model	Kubota V2403-CR-TE5B	NP	NP	Caterpillar / C2.4	Yanmar / 4TN-V98C-WHB	Kubota / V2607-CR-E4	Volvo / D2.6H	Yanmar / 4TN-V86CT-PBV
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
Horsepower	52.3 hp (39.0 kW)	49.8 hp (37.1 kW)	55 hp (41.0 kW)	45.7 hp (34.1 kW)	53.0 hp (39.6 kW)	47.6 hp (35.5 kW)	49.0 hp (36.5 kN)	47.6 hp (35.5 kW)
Rated Engine Speed	2,200 rpm	2,200 rpm	2,200 rpm	2,200 rpm	2,000 rpm	2,200 rpm	2,000 rpm	2,400 rpm
Max Torque	144.3 ft-lb (195.6 Nm)	NP	NP	NP	NP	NP	155.0 ft-lb (210 Nm)	NP
<b>UNDERCARRIAGE</b>								
Track Width	15.7" (400 mm)	15.7" (400 mm)	15.7" (400 mm)	16" (406 mm)	16" (406 mm)	15.7" (400 mm)	16" (406 mm)	16" (406 mm)
Ground Pressure	4.7 psi (32.6 kPa)	4.1 psi (28.3 kPa)	5.1 psi (35.2 kPa)	4.5 psi (31.0 kPa)	5.2 psi (35.9 kPa)	4.5 psi (31.3 kPa)	4.8 psi (33.1 kPa)	4.2 psi (28.8 kPa)
Travel Speed Low Range	1.6 mph (2.6 km/h)	1.9 mph (3.1 km/h)	1.8 mph (2.9 km/h)	1.7 mph (2.7 km/h)	1.8 mph (2.9 km/h)	1.8 mph (2.8 km/h)	1.3 mph (2.1 km/h)	1.4 mph (2.2 km/h)
Travel Speed High Range	3.0 mph (4.8 km/h)	3.1 mph (5.0 km/h)	2.8 mph (4.5 km/h)	2.8 mph (4.5 km/h)	3.0 mph (4.8 km/h)	3.1 mph (4.9 km/h)	2.6 mph (4.2 km/h)	2.6 mph (4.2 km/h)
<b>HYDRAULIC SYSTEM</b>								
Total Hydraulic Flow	46.4 gpm (175.6L/m)	NP	NP	39.6 gpm (150 L/m)	38.0 gpm (144 L/m)	39.4 gpm (149.2 L/m)	37.0 gpm (140 L/m)	36.5 gpm (138.2 L/m)
Auxiliary Hydraulic Flow	27.7 / 11.8 gpm (105 L/m / 44.7 L/m)	20.0 gpm (75.7 L/m)	20.0 gpm (75.7 L/m)	21.1 gpm / 6.6 gpm (80 L/m / 25 L/m)	24.2 gpm (91.5 L/m)	19.8 gpm / 9.8 gpm (75 L/m / 37 L/m)	18.0 gpm (68.1 L/m)	21.8 gpm (82.8 L/m)
Hydraulic System Pressure	3,481 psi (24.0 MPa)	3,045 psi (21.0 MPa)	3,045 psi (21.0 MPa)	3,553 psi (24.5 MPa)	NP	NP	3,408 psi (23.5 MPa)	3,553 psi (24.5 MPa)
Hydraulic Reservoir Capacity	13.7 gal (52.0 L)	NP	NP	18.0 gal ( 68.1 L)	21.1 gal (80 L)	11.9 gal (45 L)	13.7 gal (52.0 L)	NP
<b>DIMENSIONS</b>								
Width	6' 6.7" (2,000 mm)	6' 5.2" (1,961 mm)	6' 5.2" (1,961 mm)	6' 6" (1,981 mm)	6' 7" (2,007 mm)	6' 5" (1,960 mm)	6' 7" (2,000 mm)	6' 6" (1,990 mm)
Height	8' 5.4" (2,575 mm)	8' 4" (2,540 mm)	8' 4" (2,540 mm)	8' 4" (2,540 mm)	8' 4" (2,540 mm)	8' 4" (2,550 mm)	8' 7" (2,615 mm)	8' 4" (2,540 mm)
Length (Transport)	17' 8.4" (5,395 mm)	17' 2.4" (5,243 mm)	18' 2.3" (5,545 mm)	17' 11" (5,461 mm)	19' 0" (5,791 mm)	18' 1" (5,520 mm)	18' 4" (5,580 mm)	18' 4" (5,580 mm)
Ground Clearance	11.8" (300 mm)	NP	NP	NP	13.0" (330 mm)	12.02" (310)	14.0" (350 mm)	14" (345 mm)
Boom Swing (Degrees L / R)	30 / 16	75 / 50	75 / 50	80 / 50	80 / 60	70 / 55	70 / 60	68 / 68
Front Swing Radius	8' 5.5" (2,580 mm)	NP	NP	8' 4" (2,540 mm)	8' 4" (2,540 mm)	7' 11" (2,420 mm)	8' 0" (2,450 mm)	7' 9" (2,370 mm)
Tail Swing Radius	3' 10.6" (1,180 mm)	NP	NP	3' 8" (1,118 mm)	4' 8" (1,422 mm)	4' 2" (1,270 mm)	3' 6" (1,060 mm)	3' 3" (995 mm)