

# TB280FR

## Product Comparison

# TAKEUCHI

	Takeuchi TB280FR	Bobcat E85	Caterpillar 308 CR	John Deere 85G	Komatsu PC88MR-10	Kubota KX080-4	Volvo ECR88D	Yanmar ViO80-1A
<b>PERFORMANCE</b>								
Tail Swing Design	Short Tail	Conventional	Minimal	Minimal	Minimal	Conventional	Zero	Zero
Operating Weight	18,810 lb (8,530 kg)	18,977 lb (8,608 kg)	19,308 lb (8,758 kg)	19,182 lb (8,701 kg)	18,739 lb (8,500 kg)	18,596 lb (8,435 kg)	19,600 lb (8,890 kg)	18,136 lb (8,226 kg)
Maximum Digging Depth	14' 11" (4,547 mm)	15' 6" (4,724 mm)	15' 3" (4,643 mm)	14' 10" (4,521 mm)	15' 0" (4,565 mm)	15' 1" (4,600 mm)	14' 10" (4,530 mm)	14' 5" (4,400 mm)
Maximum Dump Height	14' 8.4" (4,480 mm)	16' 5" (5,004 mm)	16' 8" (5,072 mm)	16' 8" (5,080 mm)	15' 8" (4,770 mm)	17' 3" (5,250 mm)	17' 2" (5,220 mm)	15' 2" (4,620 mm)
Maximum Reach (Ground Level)	23' 1" (7,045 mm)	23' 7.2" (7,193 mm)	25' 1" (7,637 mm)	25' 3" (7,696 mm)	24' 1" (7,345 mm)	24' 0" (7,330 mm)	24' 1" (7,350 mm)	23' 5" (7,140 mm)
Maximum Bucket Digging Force	16,335 lb (7,409 kg)	13,269 lb (6,019 kg)	13,496 lb (6,122 kg)	10,476 lb (4,752 kg)	13,781 lb (6,250 kg)	14,660 lb (6,650 kg)	12,770 lb (5,792 kg)	14,275 lb (6,475 kg)
Maximum Arm Digging Force	7,037 lb (3,192 kg)	8,253 lb (3,743 kg)	8,032 lb (3,643 kg)	6,902 lb (3,131 kg)	8,161 lb (3,702 kg)	8,565 lb (3,885 kg)	7,730 lb (3,506 kg)	9,172 lb (4,160 kg)
Traction Force	19,783 lb (8,973 kg)	NP	15,175 lb (6,883 kg)	14,661 lb (6,650 kg)	15,040 lb (6,822 kg)	15,062 lb (6,832 kg)	14,613 lb (6,628 kg)	NP
<b>ENGINE</b>								
Make / Model	Yanmar / 4TNV98CT	Yanmar/4TNV98C	Cat / C3.3B	Yanmar / 4TN- V98C-WHBW	Kom / SAA4D95LE-6	Kubota / V3307 CR TE4	Volvo / D2.6H	Yanmar / 4TNV98C
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 Interim Tier 4
Horsepower	69.2 hp (51.6 kW)	65.9 hp (49.1 kW)	74.3 hp (55.4 kW)	56.9 hp (42.4 kW)	67.9 hp (50.6 kW)	66.6 hp (49.7 kW)	58.0 hp (43.3 kW)	56.9 hp (42.4 kW)
Rated Engine Speed	2,000 rpm	2,100 rpm	2,200 rpm	2,000 rpm	1,950 rpm	2,000 rpm	2,000 rpm	2,000 rpm
Maximum Torque	227.2 ft-lb (308 Nm)	NP	NP	NP	NP	NP	162.0 ft-lb (220 Nm)	NP
<b>UNDERCARRIAGE</b>								
Track Width	17.7" (450 mm)	17.7" (450 mm)	17.7" (450 mm)	17.7" (450 mm)	18" (457 mm)	17.7" (450 mm)	17.7" (450 mm)	17.7" (450 mm)
Ground Pressure	5.5 psi (38.1 kPa)	5.5 psi (38.0 kPa)	5.4 psi (36.9 kPa)	6.0 psi (41.4 kPa)	5.4 psi (37.3 kPa)	5.2 psi (35.8 kPa)	5.8 psi (40.0 kPa)	5.2 psi (35.8 kPa)
Travel Speed Low Range	1.7 mph (2.7 km/h)	1.7 mph (2.7 km/h)	1.9 mph (3.1 km/h)	1.9 mph (3.1 km/h)	1.9 mph (3.0 km/h)	1.7 mph (2.7 km/h)	1.6 mph (2.6 km/h)	1.6 mph (2.5 km/h)
Travel Speed High Range	3.2 mph (5.2 km/h)	2.9 mph (4.7 km/h)	3.2 mph (5.1 km/h)	3.1 mph (5.0 km/h)	3.1 mph (5.0 km/h)	3.0 mph (5.0 km/h)	3.0 mph (4.9 km/h)	2.8 mph (4.5 km/h)
<b>HYDRAULIC SYSTEM</b>								
Total Hydraulic Flow	52.5 gpm (198.0 L/m)	NP	44.0 gpm (167.0 L/m)	53.0 gpm (200 L/m)	42.2 gpm (160 L/m)	44.6 gpm (168.8 L/m)	50 gpm (190 L/m)	56.3 gpm (213 L/m)
Auxiliary Hydraulic Flow	39.0 / 15.0 gpm (148.0 / 58.0 L/m)	25.1 gpm (95.0 L/m)	35.0 / 9.0 gpm (131 L/m / 33.0 L/m)	NP	33.0 gpm (125 L/m)	26.4 / 14.7 gpm (100 L/m / 55.8 L/m)	24.0 / 9.0 gpm (90 L/m / 34 L/m)	31.7 gpm (120.0 L/m)
Hydraulic System Pressure	3,990 psi (27.5 MPa)	3,045 psi (21.0 MPa)	4,134 psi (28.5 MPa)	3,771 psi (26.0 MPa)	3,844 psi (26.5 MPa)	NP	4,264 psi (29.4 MPa)	3,481 psi (24.0 MPa)
Hydraulic Reservoir Capacity	18.7 gal (71.0 L)	NP	14.0 gal (53.0 L)	15.0 gal (56.0 L)	14.8 gal (56.0 L)	19.8 gal (75.0 L)	22.0 gal (84.0 L)	NP
<b>DIMENSIONS</b>								
Width	7' 7" (2,300 mm)	7' 3" (2,210 mm)	7' 7" (2,300 mm)	7' 3" (2,210 mm)	7' 8" (2,330 mm)	7' 3" (2,200 mm)	7' 7" (2,311 mm)	7' 5" (2,261 mm)
Height	8' 11.4" (2,725 mm)	8' 3.8" (2,535 mm)	8' 4" (2,540 mm)	8' 4" (2,540 mm)	9' 1" (2,760 mm)	8' 4" (2,540 mm)	8' 11" (2,718 mm)	8' 10" (2,692 mm)
Length (Transport)	20' 7.4" (6,285 mm)	20' 8.7" (6,317 mm)	21' 10" (6,656 mm)	22' 5" (6,820 mm)	21' 1" (6,426 mm)	21' 2" (6,452 mm)	21' 1" (6,426 mm)	21' 2" (6,452 mm)
Ground Clearance	13.7" (315 mm)	NP	14.0" (356 mm)	14.0" (360 mm)	16.0" (406 mm)	14.0" (356 mm)	16.0" (406 mm)	15.0" (381 mm)
Dozer Blade Height	19.6" (500 mm)	64 / 61	60 / 50	60 / 60	NP	67 / 60	60 / 70	57 / 60
Boom Swing Angle (Degrees L / R)	30 / 15	NP	10' 7" (3,215 mm)	9' 6" (2,890 mm)	9' 6" (2,900 mm)	8' 2" (2,489 mm)	8' 8" (2,642 mm)	8' 11" (2,718 mm)
Front Swing Radius	5' 3.5" (1,610 mm)	NP	5' 5" (1,645 mm)	4' 11" (1,499 mm)	4' 10" (1,485 mm)	4' 9.5" (1,461 mm)	4' 3" (1,295 mm)	3' 9" (1,143 mm)
Tail Swing Radius	4' 2.4" (1,280 mm)	NP	4' 9" (1,448 mm)	4' 11" (1,499 mm)	4' 10" (1,485 mm)	4' 9.5" (1,461 mm)	4' 3" (1,295 mm)	3' 9" (1,143 mm)