

TW65 Series 2 Wheel Loader

COMPETITIVE DETAILS

	Takeuchi TW65 SERIES 2	Case 21F	Case 121F	Case 221F	Caterpillar 906M	John Deere 204K	Kawasaki 45 ZV-2	Kubota R085	Volvo L30G
PERFORMANCE									
Loader Boom Design	Z Bar	Z Bar	Z Bar	Versa Boom	Z Bar	Z Bar	Z Bar	Z bar	Parallel
Operating Weight	11,354 lb (5,150 kg)	11,272 lb (5,113 kg)	11,618 lb (5,270 kg)	12,547 lb (5,691 kg)	12,346 lb (5,600 kg)	12,788 lb (5,800 kg)	12,220 lb (5,542 kg)	10,725 lb (4,865 mm)	12,125 lb (3,500 kg)
Tipping Load, Straight	9,171 lb (4,160 kg)	8,291 lb (3,761 kg)	8,186 lb (3,713 kg)	9,318 lb (4,226 kg)	8,666 lb (3,932 kg)	8,157 lb (3,700 kg)	8,470 lb (3,840 kg)	8,212 lb (3,725 mm)	9,590 lb (4,350 kg)
Tipping Load, Full Turn	8,100 lb (2,674 kg)	6,997 lb (3,174 kg)	6,898 lb (3,129 kg)	8,014 lb (3,635 kg)	7,067 lb (3,204 kg)	7,231 lb (3,280 kg)	7,170 lb (3,250 kg)	7,000 lb (3,175 mm)	8,488 lb (3,850 kg)
Operating Capacity*	4,050 lb (1,837 kg)	3,499 lb (1,587 kg)	3,449 lb (1,564 kg)	4,007 lb (1,818 kg)	3,483 lb (1,579 kg)	3,616 lb (1,640 kg)	3,585 lb (1,626 kg)	3,500 lb (1,587 mm)	4,244 lb (1,925 mm)
Bucket Breakout Force	11,600 lb (5,262 kg)	9,199 lb (4,172 kg)	8,971 lb (4,069 kg)	10,959 lb (4,971 kg)	9,442 lb (4,282 kg)	9,190 lb (4,170 kg)	8,280 lb (3,755 kg)	10,415 lb (4,754 mm)	13,713 lb (6,220 kg)
Lift Arm Breakout Force	10,319 lb (4,680 kg)	NP	NP	11,146 lb (5,055 kg)	7,194 lb (3,263 kg)	9,204 lb (4,174 kg)	NP	8,505 lb (3,857 mm)	12,814 lb (5,812 kg)
Traction Force	9,039 lb (4,180 kg)	NP	NP	NP	NP	NP	NP	8,593 lb (3,820 mm)	NP

*Operating capacity is 50% of full turn tipping load with bucket according to SAE J818

ENGINE									
Make / Model	Deutz / TD2.9L Turbo	FPTF5HFL463BF001	FPTF5HFL463CF001	FPTF5HFL463AF004	Kubota / C3.3BDIT	Yanmar / 4TNV98	Kubota / V3307-DI-TI	Kubota / V2607CRTE4	Deutz / D3.3D
Tier Rating	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Final Tier 4	EPA Interim Tier 4	EPA Interim Tier 4	EPA Final Tier 4	EPA Final Tier 4
Horsepower	73.0 hp (54 kW)	58.0 hp (43 kW)	64.0 hp (48 kW)	74.0 hp (55 kW)	74.0 hp (55 kW)	59.0 hp (44 kW)	63.0 hp (47 kW)	64.4 hp (48 kW)	74.8 hp (55.4 kW)
Rated Engine Speed	2,200 rpm	2,500 rpm	2,500 rpm	2,500 rpm	2,400 rpm	2,200 rpm	2,200 rpm	2,400 rpm	2,600 rpm
Maximum Torque	192.0 ft-lb (260 Nm)	181.0 ft-lb (245 Nm)	193.0 ft-lb (261 Nm)	233.0 ft-lb (315 Nm)	192 ft-lb (260 Nm)	176.0 ft-lb (238 Nm)	NP	NP	195.5 ft-lb (265 Nm)

DRIVETRAIN									
Differential Lock	100%	45% Front Only	45% Front Only	45% Front Only	100%	45% Limited Slip	Limited Slip	100%	100%
Steering Articulation	40 deg	40 deg	40 deg	40 deg	39 deg	40 deg	41 deg	40 deg	40 deg
Frame or Axle Oscillation	12 deg	18 deg	18 deg	20 deg	NP	10 deg	11 deg	NP	10 deg
Travel Speed Low Range	4.0 mph (96.5 km/h)	3.1 mph (5.0 km/h)	3.1 mph (5 km/h)	3.0 mph (4.8 km/h)	6.0 mph (10 km/h)	3.7 mph (6.0 km/h)	7.4 mph (12 km/h)	3.0 mph (4.8 km/h)	5.0 mph (8.0 km/h)
Travel Speed High Range	12.4 mph (20 km/h)	12.4 mph (20 km/h)	10.0 mph (20 km/h)	8.1 mph (13.0 km/h)	12.0 mph (20 km/h)	12.0 mph (20.0 km/h)	21.1 mph (64 km/h)	12.4 mph (20 km/h)	19.0 mph (30 km/h)
Optional High Speed Travel	24.8 mph (40 km/h)	NP	NP	18.6 mph (30 km/h)	22.0 mph (35 km/h)	NP	NP	NP	NP

HYDRAULIC SYSTEM									
Hydraulic Reservoir Capacity	12.0 gal (45 L)	10.6 gal (40 L)	10.6 gal (40 L)	10.6 gal (40 L)	12.2 gal (46 L)	23.8 gal (90 L)	NP	10.3 gal (39 L)	17.2 gal (65 L)
Auxiliary Flow - Standard	16.4 gpm (62 L/m)	17.7 gpm (67 L/m)	17.7 gpm (67 L/m)	22.5 gpm (85 L/m)	19.0 gpm (73 L/m)	20.0 gpm (77 L/m)	19.3 gpm (73 L/m)	17.8 gpm (67.2 L/m)	15.0 gpm (57 L/m)
Auxiliary Flow - Optional	26.0 gpm (98 L/m)	NP	NP	34.3 gpm (130 L/m)	31 gpm (116 L/m)	NP	NP	NP	NP
Hydraulic System Pressure	3,335 psi (23 MPa)	3,626 psi (25 MPa)	3,626 psi (25 MPa)	3,626 psi (25 MPa)	3,408 psi (23.5 MPa)	3,335 psi (23.0MPa)	3,000 psi (20.6 MPa)	3,000 psi (20.6 MPa)	3,626 psi (25 MPa)

DIMENSIONS									
Wheelbase	6' 6.7" (2,000 mm)	6' 8" (2,075 mm)	6' 8" (2,075 mm)	7' 3" (2,225 mm)	7' 1" (2,159 mm)	7' 1" (2,159 mm)	7' 2" (2,184 mm)	6' 7" (2,000 mm)	7' 1" (2,159 mm)
Outside Turning Radius	13' 8" (4,164 mm)	12' 2" (3,721 mm)	12' 2" (3,721 mm)	13' 0" (3,987 mm)	14' 6" (4,420 mm)	12' 10" (3,937 mm)	12' 5" (3,784 mm)	NP	12' 10" (3,911 mm)
Maximum Lift Height to Bucket Pin	10' 4.6" (3,165 mm)	10' 3" (3,136 mm)	10' 4" (3,182 mm)	10' 8" (3,290 mm)	10' 7" (3,227 mm)	11' 1" (3,378 mm)	10' 4" (3,149 mm)	10' 8" (3,250 mm)	10' 8" (3,251 mm)
Dump Height Fully Raised	8' 1" (2,465 mm)	7' 6" (2,302 mm)	7' 7" (2,339 mm)	8' 0" (2,425 mm)	8' 1" (2,478 mm)	8' 0" (2,438 mm)	7' 8" (2,336 mm)	8' 3" (2,525 mm)	8' 5" (2,565 mm)
Reach Fully Raised	2' 0" (625 mm)	3' 1.0" (957 mm)	3' 3" (1,009 mm)	3' 3" (1,020 mm)	2' 4" (714 mm)	3' 1" (930 mm)	3' 4" (482 mm)	2' 6" (760 mm)	2' 2" (660 mm)
Overall Width Without Bucket	6' 1.5" (1,870 mm)	5' 8" (1,740 mm)	5' 8" (1,740 mm)	6' 1" (1,860 mm)	6' 0" (1,828 mm)	NP	6' 3.5" (1,920 mm)	5' 11" (1,805 mm)	6' 0" (1,828 mm)
Overall Height	8' 10" (2,689 mm)	8' 1.0" (2,458 mm)	8' 1" (2,457 mm)	9' 6" (2,627 mm)	8' 1" (2,463 mm)	7' 11" (2,413 mm)	9' 4" (2,844 mm)	8' 2" (2,480 mm)	9' 0" (2,743 mm)
Minimum Ground Clearance	17.7" (450 mm)	12.6" (321 mm)	12.6" (321 mm)	12.5" (317 mm)	11.0" (279 mm)	12.5" (317 mm)	13.0" (330 mm)	13.8" (350 mm)	24.0" (609 mm)