

D10T2

Dozer



Engine

Engine Model

Cat® C27 ACERT™

Emissions

U.S. EPA Tier 4 Final
or Tier 2 and EU Stage II
Equivalent

Net SAE J1349/ISO 9249 (FWD/REV)

447/538 kW 600/722 hp

Weights

Operating Weight

70 171 kg 154,700 lb

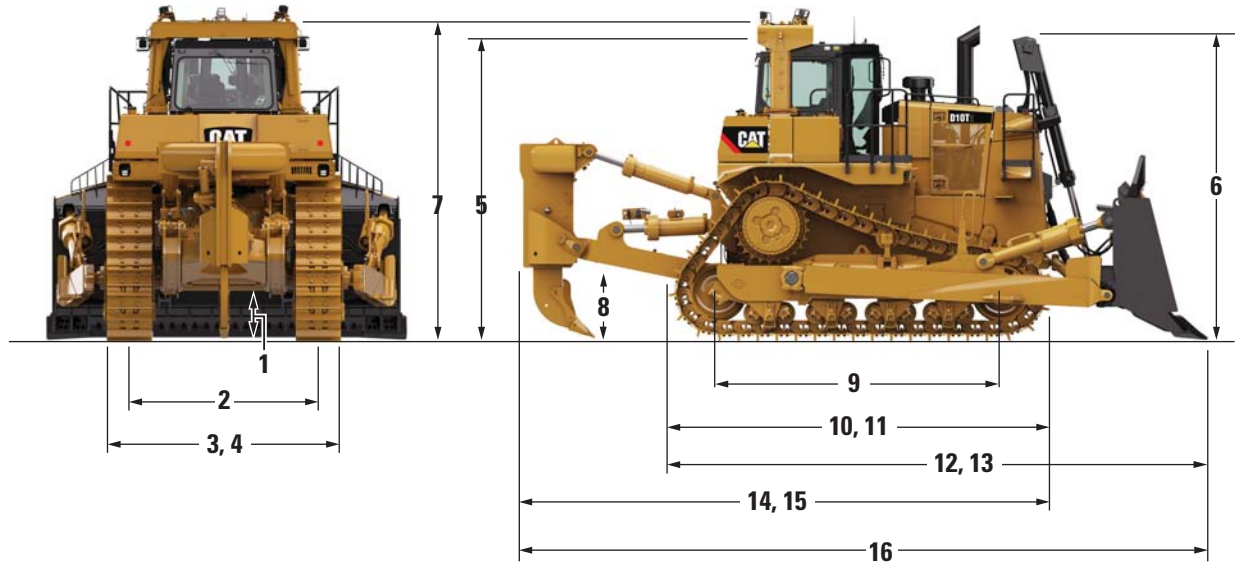
Shipping Weight

49 793 kg 109,775 lb

D10T2 Dozer Specifications

Dimensions

All dimensions are approximate.



	D10T2	
	mm	in
1 Ground Clearance*	725	28.5
2 Track Gauge	2550	100.4
3 Width without Trunnions (610 mm/24 in ES)	3292	129.6
4 Width over Trunnions	3736	147.1
5 Height (FOPS Cab)*	4098	161.3
6 Height (Top of Stack)*	4356	171.5
7 Height (ROPS/Canopy)*	4406	173.5
8 Drawbar Height (Center of Clevis)	864	34.0
9 Length of Track on Ground	3880	152.8
10 Overall Length Basic Tractor	5324	209.6
11 Length Basic Tractor with Drawbar	5598	220.4
12 Length with SU-Blade	7416	292.0
13 Length with U-Blade	7750	305.1
14 Length with Single-Shank Ripper	7081	278.8
15 Length with Multi-Shank Ripper	7241	285.1
16 Overall Length SU-Blade and SS Ripper	9158	360.6

*Includes grouser height for total dimensions on hard surfaces.

Engine – Tier 2 and Stage II Equivalent

Engine Model	Cat C27 ACERT	
Bore	137 mm	5.4 in
Stroke	152 mm	6.0 in
Displacement	27.0 L	1,648 in ³
Engine Power	FWD/REV	FWD/REV
Gross SAE J1995*	470/571 kW	630/766 hp
ISO 14396	462/562 kW	620/754 hp
Net SAE J1349/ISO 9249	447/538 kW	600/722 hp

Engine – Tier 4 Final

Engine Model	Cat C27 ACERT	
Bore	137 mm	5.4 in
Stroke	152 mm	6.0 in
Displacement	27.0 L	1,648 in ³
Engine Power	FWD/REV	FWD/REV
Gross SAE J1995*	471/571 kW	632/766 hp
ISO 14396	462/562 kW	620/754 hp
Net SAE J1349/ISO 9249	447/538 kW	600/722 hp

*Excludes all fan losses.

- Engine ratings apply at 1,800 rpm.
- Net power advertised is the power available at the flywheel when the engine is equipped with air cleaner, muffler, alternator, fan, and engine emissions controls as required.
- No derating (in FWD gears) required up to 4572 m (15,000 ft) altitude.

Weights

Operating Weight	70 171 kg	154,700 lb
Shipping Weight	49 793 kg	109,775 lb

- D10T2 Operating Weight includes coolant, lubricants, full fuel tank, ROPS, FOPS cab, SU ABR bulldozer, dual tilt, single-shank ripper with pin-puller, fast fuel, 610 mm/24 in ES shoes, and operator.
- D10T2 Shipping Weight includes coolant, lubricants, 10% fuel, FOPS cab, fast fuel, and 610 mm/24 in ES shoes.

Transmission

1 Forward	4.0 km/h	2.5 mph
2 Forward	7.2 km/h	4.5 mph
3 Forward	12.7 km/h	7.9 mph
1 Reverse	5.2 km/h	3.2 mph
2 Reverse	9.0 km/h	5.6 mph
3 Reverse	15.8 km/h	9.8 mph
Type	3-speed planetary powershift	
Transmission Clutch Diameter	434.3 mm	17.1 in

Hydraulic Controls

D10T2		
Pump Type	Variable displacement piston	
Combined Pump Output (Implement)	380 L/min	100.4 gal/min
Bulldozer Relief Valve Setting	28 000 kPa	4,061 psi
Tilt Cylinder Relief Valve Setting	20 300 kPa	2,944 psi
Ripper (Lift) Relief Valve Setting	28 000 kPa	4,061 psi
Ripper (Pitch) Relief Valve Setting	28 000 kPa	4,061 psi

- Pump output measured at 1,800 rpm engine speed.
- Electro-hydraulic pilot valves assist operations of ripper and dozer controls.
- Complete system consists of pump, tank with filter, oil cooler, valves, lines, and control levers.

Undercarriage

Shoe Type	Extreme Service (ES)	
Width of Shoe	610 mm	24 in
Shoes/Side	44	
Grouser Height	93 mm	3.7 in
Pitch	260 mm	10.25 in
Ground Clearance	725 mm	28.5 in
Track Gauge	2550 mm	100.4 in
Length of Track on Ground	3880 mm	152.8 in
Ground Contact Area	4.74 m ²	7,347 in ²
Track Rollers/Side	8	
Number of Carrier Rollers	1 per side (optional)	

D10T2 Dozer Specifications

Service Refill Capacities

Fuel Tank	1190 L	314.4 gal
Cooling System	180 L	47.6 gal
Engine Crankcase*	68 L	18 gal
Power Train	230 L	60.8 gal
Final Drives (each)	23 L	6.1 gal
Roller Frames (each)	64 L	16.9 gal
Pivot Shaft Compartment	33 L	8.7 gal
Hydraulic Tank	131 L	34.6 gal

*With oil filters.

Track Roller Frame

Oscillation	351 mm	13.8 in
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Steering and Brakes

Hydraulically Applied Multiple-disc Steering Clutch	392 mm	15.4 in
Spring Applied Multiple-disc Brake	392 mm	15.4 in

Standards

ROPS/FOPS

- Rollover Protective Structure (ROPS) meets the following criteria: ISO 3471:2008.
- Falling Objects Protective Structure (FOPS) meets the following criteria: ISO 3449:2005 LEVEL II.

Sound

- The operator equivalent sound pressure level (ISO 6396) is 77 dB(A)/74 dB(A) (sound suppressed).
- The exterior sound pressure level for the standard machine (ISO 6395) is 115 dB(A)/111 dB(A) (sound suppressed).

D10T2 Bulldozer

Tag link dozer coupling brings blade closer for better balance and control.

Blade		10SU ABR	10U ABR
Blade capacity (SAE J1265)	m ³	18.5	22.0
	yd ³	24.2	28.7
Width with blade (over end bits)	mm	4940	5260
	in	194.5	207.1
Blade height	mm	2120	2120
	in	83.5	83.5
Maximum digging depth	mm	674	674
	in	26.5	26.5
Ground clearance at full lift	mm	1497	1497
	in	58.9	58.9
Maximum tilt	mm	993	1074
	in	39.1	42.3
Weight*	kg	11 069	12 413
	lb	24,403	27,366
Total operating weight** (with blade and single-shank ripper)	kg	70 171	71 515
	lb	154,700	157,663

* Does not include hydraulic controls but includes blade cylinders.

** D10T2 Operating Weight includes coolant, lubricants, full fuel tank, ROPS, FOPS cab, SU ABR or U ABR bulldozer, dual tilt, single-shank ripper with pin-puller, fast fuel, 610 mm/24 in ES shoes, and operator.

Ripper

Redesigned ripper frame for improved visibility to ripper tip. Hydraulic tip adjustment cylinders vary shank angle to aid penetration and help lift and shatter rock.

		D10T2	
		Single-shank Standard/Deep	+ Multi-shank Standard/Deep
Overall beam width	mm	NA/NA	2920/2920
	in	NA/NA	115/115
Maximum penetration force (shank vertical)	kN	219/236	208/229
	lbf	49,233/53,055	46,760/51,481
Maximum penetration (standard tip)	mm	1504/1988	950/1869
	in	59.2/78.3	37.4/73.6
Pryout force (multi-shank ripper with one tooth)	kN	512/510	515/513
	lbf	115,102/114,653	115,777/115,327
Maximum clearance raised (under tip, pinned in bottom hole)	mm	912/703	1055/1055
	in	36/27.7	41.5/41.5
Number of shank holes		3/3	2/4
Weight (with one shank)	kg	6445/6599	6132/6330
	lb	14,209/14,548	13,519/13,955
		with 10 SU ABR Blade and Ripper	
Total operating weight*	kg	70 171/70 329	69 858/70 056
	lb	154,700/155,049	154,011/154,447

* D10T2 Operating Weight includes coolant, lubricants, full fuel tank, ROPS, FOPS cab, SU ABR Blade and Ripper, dual tilt, fast fuel, 610 mm/24 in ES shoes, and operator.

+ Includes one shank. Add 544 kg (1,199 lb) for each additional shank.

Note: Single-shank, ripping arrangement weight includes pin puller.

Note: Best performance for Deep Shanks are in loose material.