

# D11 Dozer

## **Technical Specifications**

Engine – U.S. EPA Tier 2 Equivalent				
Engine Model	Cat® C32			
Bore	145 mm	5.7 in		
Stroke	162 mm	6.4 in		
Displacement	32.1 L	1,959 in <sup>3</sup>		
Engine Power				
Gross SAE J1995*	,			
Forward	670 kW	899 hp		
Reverse	757 kW	1015 hp		
ISO 14396				
Forward	657 kW	882 hp		
Reverse	744 kW	998 hp		
Net SAE J1349/ISO 9249				
Forward	634 kW	850 hp		
Reverse	714 kW	957 hp		

Engine – U.S. EPA Tier 4 F	inal/EII Stago	V
Cliyille – U.S. EFA Her 4 F	iliai/EU Staye	V
Engine Model	Cat C32	
Bore	145 mm	5.7 in
Stroke	162 mm	6.4 in
Displacement	32.1 L	1,959 in <sup>3</sup>
Engine Power		
Gross SAE J1995*		
Forward	670 kW	899 hp
Reverse	757 kW	1015 hp
ISO 14396		
Forward	658 kW	882 hp
Reverse	745 kW	999 hp
Net SAE J1349/ISO 9249		
Forward	634 kW	850 hp
Reverse	712 kW	955 hp



<sup>\*</sup> Excludes all fan losses.

<sup>•</sup> Engine ratings apply at 1,800 rpm.

<sup>•</sup> 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.

Fluid Capacities		
Fuel Tank – Total Volume	1895 L	500 gal
Fuel Tank – Usable Volume	1800 L	475 gal
Cooling System Refill – Tier 4 Final Engine	177 L	46.8 gal
Cooling System Refill – Tier 2 Equivalent Engine	158 L	41.7 gal
Engine Crankcase Sump	133 L	35.1 gal
Power Train – Total Volume	454 L	120 gal
Power Train – Refill Volume	391 L	103.3 gal
Final Drives (each)	47 L	12.4 gal
Track Roller Frames (each)	94 L	24.8 gal
Pivot Shaft Oil	104 L	27.5 gal
Hydraulic System Tank Only	160 L	42.2 gal
Hydraulic System Tank and Chassis	245 L	64.7 gal
Hydraulic System Chassis + Blade and Ripper (Standard)	445 L	117.6 gal
Hydraulic System Chassis + Blade and Ripper (Carrydozer)	540 L	143.4 gal

Weights		
Operating Weight	104 236 kg	229,800 lb
Shipping Weight	39 100 kg	86,200 lb
Operating Weight – CD	113 700 kg	250,665 lb
Shipping Weight – CD	39 200 kg	86,420 lb

- D11 Operating Weight: Includes blade tilt cylinders, coolant, lubricants, full fuel tank, ROPS, FOPS cab, 11U ABR bulldozer, single-shank ripper with pin-puller, fast fuel, 710 mm (28 in) ES shoes and operator.
- D11 Shipping Weight: Base machine chassis with cab and pivot shaft. Doesn't include ROPS, ripper, blade, track or roller frames.
- D11 CD Operating Weight: Includes lubricant, coolant, full fuel tank, 915 mm (36 in) extreme service shoes, D11 Carrydozer, single-shank ripper and operator.
- D11 CD Shipping Weight: Base machine chassis with cab and pivot shaft. Doesn't include ROPS, ripper, blade, track or roller frames.

Hydraulic Controls		
Pump Type	Variable disp piston pump	
Combined Pump Output (Implement)	670 L/min	177 gal/min
Tilt Flow	260 L/min	68 gal/min
Dozer Relief Valve Setting	28 500 kPa	4,130 psi
Tilt Cylinder Relief Valve Setting	26 700 kPa	3,870 psi
Ripper (Lift) Relief Valve Setting	28 500 kPa	4,130 psi
Ripper (Pitch) Relief Valve Setting	28 500 kPa	4,130 psi
Cylinder Sizing	Bore	
Blade Lift	170 mm	6.7 in
Blade Tilt (Standard)	254 mm	10 in
Blade Tilt (Extended Pitch) Left	279.6 mm	11 in
Blade Tilt (Extended Pitch) Right	254 mm	10 in
Blade Tilt (Carrydozer) Left	279.6 mm	11 in
Blade Tilt (Carrydozer) Right	254 mm	10 in
Ripper Shank Lift	235 mm	9.3 in
Ripper Shank Angle	180 mm	7.1 in
Cylinder Sizing	Stroke	
Blade Lift	1760 mm	69.3 in
Blade Tilt (Standard)	285.5 mm	11.2 in
Blade Tilt (Extended Pitch) Left	400 mm	15.7 in
Blade Tilt (Extended Pitch) Right	400 mm	15.7 in
Blade Tilt (Carrydozer) Left	1200 mm	47.2 in
Blade Tilt (Carrydozer) Right	1152 mm	45.4 in
Ripper Shank Lift	615 mm	24.2 in
Ripper Shank Angle	830 mm	32.7 in

- Pump output measured at 1,800 engine rpm and 6895 kPa (1,000 psi).
- Electro-hydraulic pilot valves assist operations of ripper and dozer controls.

Undercarriage		
Shoe Type	Extreme Se	rvice
Width of Shoe	710 mm	28 in
Width of Shoe – CD	915 mm	36 in
Shoes/Side	41	
Grouser Height	102 mm	4 in
Pitch	318 mm	12.5 in
Ground Clearance*	777 mm	30.6 in
Track Gauge	2896 mm	114 in
Length of Track on Ground	4444 mm	175 in
Ground Contact Area	6.3 m <sup>2</sup>	9,781 in <sup>2</sup>
Ground Contact Area – CD	8.1 m <sup>2</sup>	12,605 in <sup>2</sup>
Track Rollers/Side	8	
Number of Carrier Rollers	1 per side (d	optional)

- \* Includes grouser height for total dimensions on hard surface.
- Sleeve Bearing Track with Positive Pin Retention.

**Track Roller Frame** 

Brake Disc Count

Oscillation	351 mm	13.8 in		
Steering and Brakes				
Steering Controls	Fingertip (	Controls		
Steering Clutch Type	Pressure A	pplied Wet Disc		
Steering Clutch Disc Diameter	440 mm	17.3 in		
Steering Clutch Disc Count	10			
Brake Type	Spring App	Spring Applied Wet Disc		
Brake Disc Diameter	612 mm	24.1 in		

#### **Air Conditioning System**

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warning Potential = 1430). The system contains 2.1 kg of refrigerant which has a  $CO_2$  equivalent of 3.003 metric tonnes.

#### **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 average dynamic spectator sound power level when "ISO 6395:2008" is used to measure the value for a machine is 116 dB(A). The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds. NOTE: The dynamic sound power level uncertainty is ±2 dB(A).
- The average dynamic operator sound pressure level when "ISO 6396:2008" is used to measure the value for an enclosed cab is 78 dB(A). The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds. The cab was properly installed and maintained. The measurement was conducted with the cab doors and the cab windows closed. NOTE: The dynamic operator sound pressure level uncertainty is ±2 dB(A).
- Hearing protection may be needed when the machine is operated with an open operator station for extended periods, in a noisy environment, or with a cab that is not properly maintained.

#### **D11 Dozer**

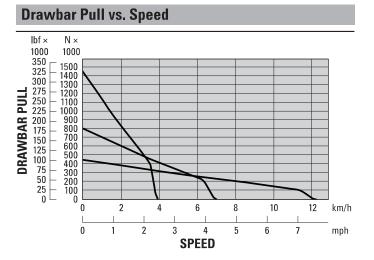
Tag link dozer coupling brings blade closer for better balance and control.

Blade Capacity (SAE J1265)   m³   27.2   27.2   34.4   34.4   43.6   (57.0 ) (37.0 ) (35.6 ) (35.0			Standard Pitch	Extended Pitch	Standard Pitch	Extended Pitch	Carrydozer
Width with Blade (over end bits)         mm         5584         5585         6340         6341         6704           Blade Height         mm         2566         2867         2875         2876         3236           Blade Height         mm         2866         2867         2875         2876         3236           Digging Depth         mm         566         438         566         438         708           Blade Pitch – Full Racked Back (Carry)         mm         566         438         566         438         708           Blade Pitch – Nominal         mm         660         660         661         661         661         1394           Blade Pitch – Full Pitched Forward (Spread)         mm         888         860         859         860         1756           Ground Clearance         mm         888         860         859         860         1756           Blade Pitch – Full Pitched Forward (Spread)         mm         1778         1921         1777         1920         1839           Ground Clearance         mm         178         1921         1777         1920         1839           Blade Pitch – Full Racked Back (Carry)         mm         178         1921	Blade		11SU ABR	11SU ABR	11U ABR	11U ABR	11CD
Width with Blade (over end bits)         mm (in) (219.8) (219.9) (249.6) (249.6) (240.6) (263.9)         6340 (263.9) (249.6) (240.6) (263.9)           Blade Height         mm (286.6) 286.7 (287.5) (287.6) (232.6) (219.4)         233.6 (219.9) (113.2) (113.2) (113.2) (127.4)           Digging Depth         Blade Pitch – Full Racked Back (Carry)         mm (566 438 566 438 566 438 566 438 708 (22.3) (17.3) (27.9)           Blade Pitch – Nominal         mm (600 660 660 661 661 1394 661 1394 661) (in) (26.0) (26.0) (26.0) (26.0) (26.0) (26.9)           Blade Pitch – Full Pitched Forward (Spread)         mm 888 860 859 860 1756 (29.9) (20.9	Blade Capacity (SAE J1265)	m <sup>3</sup>	27.2	27.2	34.4	34.4	43.6
Maximum Tilt LH   Maximum Tilt Racked Back (Carry)   Degrees   Blade Pitch – Full Racked Back (Carry)   Maximum Tilt Racked Back (Carry)   Degrees   18.3   17.1   18.3   17.1   10.0   10.		$(yd^3)$	(35.6)	(35.6)	(45.0)	(45.0)	(57.0)
Blade Height	Width with Blade (over end bits)	mm					
Digging Depth   Blade Pitch - Full Racked Back (Carry)   mm   566   438   566   438   708   (in)   (22.3)   (17.2)   (22.3)   (17.3)   (27.9)   (27.9)   (28.3)   (17.3)   (27.9)   (27.9)   (28.3)   (17.3)   (27.9)   (28.3)   (17.3)   (27.9)   (28.3)   (17.3)   (27.9)   (28.3)   (17.3)   (27.9)   (28.3)   (17.3)   (27.9)   (28.3)   (17.3)   (27.9)   (28.3)   (17.3)   (27.9)   (28.3)   (17.3)   (27.9)   (28.3)		(in)					(263.9)
Digging Depth   Blade Pitch - Full Racked Back (Carry)   mm   566   438   566   438   708   708   709   7	Blade Height						
Blade Pitch - Full Racked Back (Carry)		(in)	(112.8)	(112.9)	(113.2)	(113.2)	(127.4)
Section							
Blade Pitch – Nominal   mm (660 660 660 620 (26.0) (26.0) (26.0) (34.9)	Blade Pitch – Full Racked Back (Carry)						
Section   Color   Co		(in)	· · · · · ·				
Blade Pitch - Full Pitched Forward (Spread)   mm (33.8)   (33.8)   (33.8)   (33.8)   (33.9)   (69.1)	Blade Pitch – Nominal						
Ground Clearance   Hacked Back (Carry)   mm   1778   1921   1777   1920   1839   1921   1777   1920   1839   1921   1777   1920   1839   1921   1777   1920   1839   1921   1777   1920   1839   1921   1777   1920   1839   1921   1777   1920   1839   1921   1777   1920   1839   1921   1777   1920   1839   1921   1777   1920   1839   1921   1777   1920   1839   1820   1724   1823   1824   1823   1824   1823   1824   1823   1824   1823   1824   182		(in)					
Blade Pitch - Full Racked Back (Carry)   mm (in) (70.0) (75.6) (70.0) (75.6) (70.0) (75.6) (72.4)	Blade Pitch – Full Pitched Forward (Spread)						
Blade Pitch - Full Racked Back (Carry)		(in)	(33.8)	(33.8)	(33.8)	(33.9)	(69.1)
Comparison   Com							
Blade Pitch - Nominal	Blade Pitch – Full Racked Back (Carry)						
Section   Control of the Properties   Control of the Pro		(in)	· · · · · ·				
Blade Pitch - Full Pitched Forward (Spread)	Blade Pitch – Nominal						
Maximum Tilt LH         (in)         (56.1)         (56.0)         (56.0)         (56.0)         (10.0)           Maximum Tilt LH         mm         1700         1587         1932         1806         1174           (in)         (66.9)         (62.5)         (76.1)         (71.1)         (46.2)           Degrees         18.3         17.1         18.3         17.1         10.0           Maximum Tilt RH         mm         1697         1607         1930         1829         1162           (in)         (66.8)         (63.3)         (76.0)         (72.0)         (45.7)           Degrees         18.3         17.3         18.3         17.3         9.9           Cutting Edge Angle         8         18.3         17.3         18.3         17.3         9.9           Cutting Edge Angle         Blade Pitch – Full Racked Back (Carry)         Degrees         46.6         42.0         46.6         42.0         35.5           Blade Pitch – Nominal         Degrees         50.2         50.2         50.2         50.2         55.5           Blade Weight (Moldboard Only)         kg         10.210         12.960         17.401           (lb)         (22.509)         (28.572)		(in)					
Maximum Tilt LH         mm (in) (66.9) (62.5) (62.5) (76.1) (71.1) (46.2)           Degrees         18.3 17.1 18.3 17.1 10.0           Maximum Tilt RH         mm 1697 1607 1930 1829 1162 (in) (66.8) (63.3) (76.0) (72.0) (45.7)           (in) (66.8) (63.3) 17.3 18.3 17.3 18.3 17.3 9.9           Cutting Edge Angle           Blade Pitch – Full Racked Back (Carry)         Degrees 46.6 42.0 46.6 42.0 46.6 42.0 35.5           Blade Pitch – Nominal         Degrees 50.2 50.2 50.2 50.2 50.2 55.5           Blade Pitch – Full Pitched Forward (Spread)         Degrees 58.9 59.0 58.9 59.0 84.0           Blade Weight (Moldboard Only)         kg 10 210 12 960 17 401 (1b) (22.509) (28.572) (38,363)           Blade Weight*         kg 17 126 17 251 19 875 20 000 24 990 (1b) (37,756) (38,032) (43,817) (44,092) (55,093)           Total Operating Weight**         kg 101 487 101 612 104 236 104 361 113 700	Blade Pitch – Full Pitched Forward (Spread)						
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Maximum Tilt RH         Degrees         18.3         17.1         18.3         17.1         10.0           Maximum Tilt RH         mm         1697         1607         1930         1829         1162           (in)         (66.8)         (63.3)         (76.0)         (72.0)         (45.7)           Degrees         18.3         17.3         18.3         17.3         9.9           Cutting Edge Angle         Strain Till Racked Back (Carry)         Degrees         46.6         42.0         46.6         42.0         35.5           Blade Pitch – Full Racked Back (Carry)         Degrees         50.2         50.2         50.2         50.2         55.5           Blade Pitch – Full Pitched Forward (Spread)         Degrees         58.9         59.0         58.9         59.0         84.0           Blade Weight (Moldboard Only)         kg         10 210         12 960         17 401         17 401           (lb)         (22,509)         (28,572)         (38,363)         83,363)         83,363)         17 251         19 875         20 000         24 900         24 900         (10)         (37,756)         (38,032)         (43,817)         (44,092)         (55,093)         70 10         10 4 236         104 361 <t< td=""><td>Maximum Tilt LH</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Maximum Tilt LH						
Maximum Tilt RH         mm (in) (66.8) (63.3) (76.0) (72.0) (45.7)         1829 (45.7)         1162 (45.7)           Cutting Edge Angle         18.3 17.3 18.3 17.3 18.3 17.3 9.9         17.3 18.3 17.3 9.9           Blade Pitch – Full Racked Back (Carry)         Degrees 46.6 42.0 46.6 42.0 46.6 42.0 35.5         46.6 42.0 55.2 50.2 50.2 50.2 55.2           Blade Pitch – Nominal         Degrees 50.2 50.2 50.2 50.2 50.2 50.2 55.5         59.0 58.9 59.0 84.0           Blade Weight (Moldboard Only)         kg 10 210 12 960 17 401         12 960 17 401           (lb) (22,509)         (28,572) (38,363)           Blade Weight*         kg 17 126 17 251 19 875 20 000 24 990           (lb) (37,756) (38,032) (43,817) (44,092) (55,093)           Total Operating Weight**         kg 101 487 101 612 104 236 104 361 113 700		` /					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Maximum Tilt D.H						
Cutting Edge Angle         Blade Pitch – Full Racked Back (Carry)         Degrees         46.6         42.0         46.6         42.0         35.5           Blade Pitch – Nominal         Degrees         50.2         50.2         50.2         50.2         55.5           Blade Pitch – Full Pitched Forward (Spread)         Degrees         58.9         59.0         58.9         59.0         84.0           Blade Weight (Moldboard Only)         kg         10 210         12 960         17 401           (lb)         (22,509)         (28,572)         (38,363)           Blade Weight*         kg         17 126         17 251         19 875         20 000         24 990           (lb)         (37,756)         (38,032)         (43,817)         (44,092)         (55,093)           Total Operating Weight**         kg         101 487         101 612         104 236         104 361         113 700	Maximum Tht KII						
Blade Pitch – Full Racked Back (Carry)         Degrees         46.6         42.0         46.6         42.0         35.5           Blade Pitch – Nominal         Degrees         50.2         50.2         50.2         50.2         55.5           Blade Pitch – Full Pitched Forward (Spread)         Degrees         58.9         59.0         58.9         59.0         84.0           Blade Weight (Moldboard Only)         kg         10 210         12 960         17 401           (lb)         (22,509)         (28,572)         (38,363)           Blade Weight*         kg         17 126         17 251         19 875         20 000         24 990           (lb)         (37,756)         (38,032)         (43,817)         (44,092)         (55,093)           Total Operating Weight**         kg         101 487         101 612         104 236         104 361         113 700							
Blade Pitch – Full Racked Back (Carry)         Degrees         46.6         42.0         46.6         42.0         35.5           Blade Pitch – Nominal         Degrees         50.2         50.2         50.2         50.2         55.5           Blade Pitch – Full Pitched Forward (Spread)         Degrees         58.9         59.0         58.9         59.0         84.0           Blade Weight (Moldboard Only)         kg         10 210         12 960         17 401           (lb)         (22,509)         (28,572)         (38,363)           Blade Weight*         kg         17 126         17 251         19 875         20 000         24 990           (lb)         (37,756)         (38,032)         (43,817)         (44,092)         (55,093)           Total Operating Weight**         kg         101 487         101 612         104 236         104 361         113 700	Cutting Edge Angle						
Blade Pitch – Nominal         Degrees         50.2         50.2         50.2         50.2         55.5           Blade Pitch – Full Pitched Forward (Spread)         Degrees         58.9         59.0         58.9         59.0         84.0           Blade Weight (Moldboard Only)         kg         10 210         12 960         17 401           (lb)         (22,509)         (28,572)         (38,363)           Blade Weight*         kg         17 126         17 251         19 875         20 000         24 990           (lb)         (37,756)         (38,032)         (43,817)         (44,092)         (55,093)           Total Operating Weight**         kg         101 487         101 612         104 236         104 361         113 700		Degrees	46.6	42.0	46.6	42.0	35.5
Blade Pitch – Full Pitched Forward (Spread)         Degrees         58.9         59.0         58.9         59.0         84.0           Blade Weight (Moldboard Only)         kg         10 210         12 960         17 401           (lb)         (22,509)         (28,572)         (38,363)           Blade Weight*         kg         17 126         17 251         19 875         20 000         24 990           (lb)         (37,756)         (38,032)         (43,817)         (44,092)         (55,093)           Total Operating Weight**         kg         101 487         101 612         104 236         104 361         113 700							
Blade Weight (Moldboard Only)         kg         10 210         12 960         17 401           (lb)         (22,509)         (28,572)         (38,363)           Blade Weight*         kg         17 126         17 251         19 875         20 000         24 990           (lb)         (37,756)         (38,032)         (43,817)         (44,092)         (55,093)           Total Operating Weight**         kg         101 487         101 612         104 236         104 361         113 700							
Column   C							
Blade Weight*         kg         17 126         17 251         19 875         20 000         24 990           (lb)         (37,756)         (38,032)         (43,817)         (44,092)         (55,093)           Total Operating Weight**         kg         101 487         101 612         104 236         104 361         113 700	blade weight (Moldboard Only)	_					
(lb) (37,756) (38,032) (43,817) (44,092) (55,093) Total Operating Weight** kg 101 487 101 612 104 236 104 361 113 700	Blade Weight*						
Total Operating Weight** kg 101 487 101 612 104 236 104 361 113 700							
	Total Operating Weight**	kg					
			(223,740)	(224,016)	(229,801)	(230,076)	(250,665)

<sup>\*</sup>Does not include hydraulic controls but includes blade cylinders, pusharms.

<sup>\*\*</sup> D11 includes blade and single-shank ripper, hydraulic controls, blade cylinders, coolant, lubricants, full fuel tank, 710 mm (28 in) shoes, ROPS, FOPS cab, and operator. D11 CD includes blade and single-shank ripper, hydraulic controls, blade cylinders, coolant, lubricants, full fuel tank, 915 mm (36 in) shoes, ROPS, FOPS cab, and operator.

Transmission			
1.0 Forward	4.0 km/h	2.5 mph	
1.5 Forward	5.2 km/h	3.2 mph	
2.0 Forward	7.0 km/h	4.4 mph	
2.5 Forward	9.0 km/h	5.6 mph	
3.0 Forward	12.2 km/h	7.6 mph	
1.0 Reverse	4.8 km/h	3.0 mph	
1.5 Reverse	6.2 km/h	3.9 mph	
2.0 Reverse	8.5 km/h	5.3 mph	
2.5 Reverse	10.9 km/h	6.8 mph	
3.0 Reverse	14.7 km/h	9.1 mph	
Туре	Planetary powershift		
Transmission Clutch Diameter	533 mm	21 in	



			D11		D11	CD
		Single Shank	Single Shank	Multi Shank	Single Shank	Multi Shank
			Deep Ripping			
Overall Beam Width	mm (in)			3330 (131.1)		3330 (131.1)
Maximum Penetration Force* (shank vertical)	kN	294	294	344	343	369
	(lb)	(66,000)	(66,110)	(77,350)	(77,130)	(82,875)
Maximum Penetration Depth (standard tip)	mm	1612	2172	1100	1612	1100
	(in)	(63.5)	(85.5)	(43.3)	(63.5)	(43.3)
Pryout Force (multi-shank ripper with one tooth)	kN	661	661	648	604	605
	(lb)	(148,510)	(148,510)	(145,640)	(135,760)	(136,080)
Maximum Clearance Raised (under tip, pinned in bottom hole)	mm	1111	873	1090	1111	1090
	(in)	(43.7)	(34.4)	(42.9)	(43.7)	(42.9)
Number of Shank Holes		4	3	2	4	2
Ripper Weight (no shank)	kg	8625	8625	9007	12 467	12 267
(includes trans guard)	(lb)	(19,015)	(19,015)	(19,857)	(27,485)	(27,044)
Tooth Gp Weight (each)	kg	1193	1403	697	1193	697
	(lb)	(2,630)	(3,093)	(1,537)	(2,630)	(1,537)
		With 1	1U ABR blade and	ripper	With 11CD bla	de and ripper
Total Operating Weight**	kg	104 236	104 446	105 516	113 700	114 398
	(lb)	(229,801)	(230,264)	(232,623)	(250,665)	(252,204)

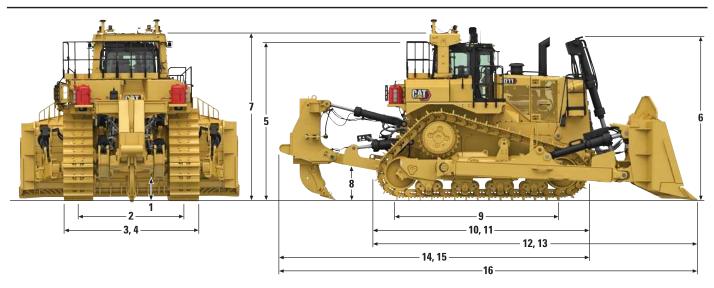
<sup>\*</sup>Shank pinned in deepest ripping position.

<sup>\*\*</sup> D11 weight includes Abrasion U Blade and specified ripper with shank(s) installed, full fuel tank, 710 mm (28 in) shoes.

D11 CD weight includes Abrasion CD Blade and specified ripper with shank(s) installed, full fuel tank, 915 mm (36 in) shoes.

### **Dimensions**

All dimensions are approximate.



	D1	D11		CD
1 Ground Clearance*	798 mm	31.4 in	798 mm	31.4 in
2 Track Gauge	2896 mm	114 in	2896 mm	114 in
<b>3</b> Width without Trunnions (standard shoe)	3782 mm	148.9 in	3806 mm	149.8 in
4 Width over Trunnions	4379 mm	172.4 in	4379 mm	172.4 in
5 Height (FOPS cab)*	4405 mm	173.4 in	4405 mm	173.4 in
6 Height (top of stack)*	4549 mm	179.1 in	4549 mm	179.1 in
7 Height (ROPS/canopy)*	4723 mm	185.9 in	4723 mm	185.9 in
8 Drawbar Height (center of clevis)*	942 mm	37.1 in	942 mm	37.1 in
9 Length of Track on Ground	4444 mm	175 in	4444 mm	175 in
10 Overall Length – Basic Tractor	6160 mm	242.5 in	6160 mm	242.5 in
11 Length – Basic Tractor with Drawbar	6160 mm	242.5 in	6160 mm	242.5 in
12 Length with SU-Blade**	8579 mm	337.8 in	8765 mm	345.1 in
13 Length with U-Blade	8641 mm	340.2 in	_	=
14 Length with Single-Shank Ripper	8107 mm	319.2 in	8107 mm	319.2 in
15 Length with Multi-Shank Ripper	8427 mm	331.8 in	8427 mm	331.8 in
16 Overall Length SU-Blade and SS Ripper**	10 525 mm	414.4 in	10 712 mm	421.7 in

 $<sup>{}^*\</sup>mbox{Includes}$  grouser height for total dimensions on hard surfaces.

Note: D11 shown equipped with 710 mm (28 in) shoes.

<sup>\*\*</sup>CD Blade on D11 CD.

## **D11 Standard and Optional Equipment**

#### **Standard and Optional Equipment**

Standard and optional equipment may vary. Consult your Cat dealer for details

	Standard	Optional
OPERATOR ENVIRONMENT		
ROPS/FOPS, Sound-Suppressed Cab	✓	
High-Definition Primary Touchscreen Display	✓	
MineStar <sup>™</sup> Terrain Display		✓
Visibility – Rearview Mirrors	<b>√</b>	
Visibility – Dual Camera		✓
Visibility – Four Cameras – 360-Degree View		✓
Visibility – Camera – Ripper Tip View		✓
Air Conditioner and Heater with Automatic Climate Control	✓	
Seat Belt, 76 mm (3 in) Retractable with Switch	✓	
Seat – Cloth with Air Suspension	✓	
Seat – Heated, Cooled, Adjustable Lumbar and Bolsters		✓
Window Wipers with Wash – Low, High, Intermittent	<b>√</b>	
Adjustable Fingertip Steering Controls	✓	
Entertainment Radio Ready (12V Power, Harness, Speakers)	✓	
Entertainment Radio – AM/FM, Aux Input and Bluetooth		✓
Cab Glass – Single-Pane Tinted Safety	✓	
Cab Glass – Dual-Pane Laminated Impact Safety		✓
Cab Glass – High-Pressure Safety (40 psi/275 kPa)		✓
Window Sunscreen		✓
Small Operator 5th Percentile Mounting Group		✓
Cab Door – Right-Hand Swing	✓	
Cab Door – Left-Hand Swing		✓
Access/Egress Lighting with Shutdown Timer	✓	

	Standard	Optiona
Armrest – Adjustable	✓	
Interior LED Courtesy Lights	✓	
Interior Backlighting – Dimmable	✓	
Air Conditioning Condenser – Cab Mounted	✓	
Decelerator Pedal	✓	
Controls – Blade – Electronic	✓	
Controls – Ripper – Electronic	✓	
Park Brake – Electronic	✓	
Engine Speed Control Dial	✓	
Cab Access – Blade Pusharm Steps and Grab Handle	✓	
Cab Access – Powered Ladder		✓
Fender Platform Guardrails	✓	
Rear Cab Platform and Guardrails		✓
Site Communication Radio Mount	✓	
Cab Filter Precleaner		✓
"OK to Start" Fluid Level Monitoring – Five Fluids	✓	
Machine Overspeed Protection	✓	
Fluid Level Monitoring Strategy	✓	
Slope and Side Slope Monitor	✓	
AT TECHNOLOGY PRODUCTS		
VIMS	✓	
Automated Blade Assist (ABA)	✓	
AutoCarry™		✓
Auto Ripper Control		✓
Cat Terrain with 3D Blade Control		✓
Cat Terrain Ready		✓
Cat Product Link Elite (Cellular)		✓
Cat Product Link Elite Dual Mode (Cellular + Satellite)		<b>√</b>
Cat Command for Dozing Ready		✓

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## **D11 Standard and Optional Equipment**

#### **Standard and Optional Equipment** (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
CAT POWER TRAIN		,
Cat C32 Engine – U.S. EPA Tier 4 Final or Tier 2 Equivalent	✓	
Air to Air Aftercooler	✓	
Air Filters – With Electronic Service Indicator	✓	
High-Performance Single-Plane Cooling Module	✓	
Stator Clutch Torque Divider – Electronic Control	✓	
Powershift Transmission – Three-Speed Electronic Shift	✓	
Enhanced Auto Shifting (EAS)	✓	
Clutch/Brake Steering – Electronic Control	✓	
Auto Engine Idle Shutdown	✓	
Hydraulic Cooling Fan – Automatic Reversing		✓
Controlled Throttle Shifting with Shift Management	✓	
Precleaner − Strata <sup>TM</sup> Tube Dust Ejector	✓	
Precleaner – Turbine		<b>√</b>
Thermal Manifold and Turbo Shields	✓	
Starting Aid – Engine Heater Group (120V or 240V)		✓
Starting Aid – Automatic Ether		✓
Fuel Heater		✓
Fuel Priming Pump – Automatic	✓	
Fuel Water Separator	✓	
Fuel Tank – 1895 liter (500 U.S. gal)	✓	
Final Drive Seal Guard – Open Labyrinth	✓	
Final Drive Seal Guard – Clamshell		✓
Radiator – High-Performance Copper Grommeted Tube	✓	
Radiator – Aluminum Bar Plate (standard for Tier 2 Equivalent)		✓
Engine Oil Prelubrication System		✓
FLUIDS		
Coolant – Extended Life, Standard (–37° C/–25° F)	✓	
Coolant – Extended Life, Arctic (–51° C/–60° F)		√ <u></u>

Standard	Optional
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## **D11 Standard and Optional Equipment**

#### **Standard and Optional Equipment** (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
ELECTRICAL		
24V Electric Start, Dual Starters	✓	
Alternator – 150-Amp	✓	
Batteries – 4 × 4,200-Amp Hour 12V	✓	
12V, 15-Amp Converter	✓	
Battery Isolation	✓	
Battery Isolation – Dual Pole		✓
Starter Control Isolation	✓	
Starter Power Isolation		✓
Backup Alarm	<b>√</b>	
Lights, Engine Compartment	✓	
Lights – Halogen – 13 Positions		✓
Lights – LED – 13 Positions	✓	
Lights – Premium LED – 13 Positions		✓
Light – Warning Strobe		✓
SERVICE AND MAINTENANCE		
Ecology Fluid Drains –	✓	
All Compartments		
Hinged Bottom Guards	✓	
Sound Reduction Sealed Bottom Guards		✓
High-Speed Oil Change – Engine and Transmission	✓	
Ground-Level Fast Fuel Fill	✓	
Ground-Level Fluid Fill and Drain		✓
Ground-Level Electrical Service Station	✓	
S·O·S <sup>SM</sup> Fluid Sampling Ports	✓	
Diagnostic Connector	✓	
Quick-Opening Cab Mounting Group		✓
Sound Enclosure		✓
Ripper Lubrication – Autolube with Ground-Level Fill		✓
Ripper Lubrication – Grouped		✓
CapSure <sup>™</sup> Hammerless Ripper Tip and Shank Protectors	✓	
Anchorage Points	✓	

	Standard	Optional
REAR ATTACHMENTS	Otunuuru	Optional
Ripper – Single Shank – with Pin Puller		<b>√</b>
Ripper – Single Shank – Pushblock with Pin Puller		<b>√</b>
Ripper – Single Shank – with Pin Puller – Heavy		✓
Ripper – Multi Shank (three shank)		✓
Ripper – Multi Shank – Heavy (three shank)		✓
Ripper – Multi Shank – Leach Pad with Pin Puller		✓
Ripper – Multi Shank – Coal (five shank)		✓
Counterweight – Rear		✓
Drawbar with Counterweight		✓
BLADES		
Semi-Universal (27.2 m³/35.6 yd³)		✓
Universal (34.4 m³/45.0 yd³)		✓
Carrydozer (43.6 m <sup>3</sup> /57 yd <sup>3</sup> )		✓
Reclamation Universal (42 m³/55 yd³)		✓
Reclamation Universal (53.5 m³/70 yd³)		✓
Coal Universal (75 m³/98.0 yd³)		✓
Coal Universal (65 m³/85.5 yd³)		✓
Black Blade Paint		✓
Abrasion Liners and Guards		✓
OTHER		
Fire Suppression Ready		✓
Fire Suppression Installed		✓



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