

## Engine – STD

Engine Model	Cat® C9 ACERT™	
Engine Power		
SAE J1995	159 kW	213 hp
ISO 14396	152 kW	204 hp
ISO 14396 Metric	207 hp	
Net Power		
SAE J1349	138 kW	185 hp
ISO 9249	138 kW	185 hp
ISO 9249 Metric	188 hp	
80/1269/EEC	138 kW	185 hp
Bore	112 mm	4.4 in
Stroke	149 mm	5.9 in
Displacement	8.8 L	537 in <sup>3</sup>

## Engine – XL/LGP

Engine Model	Cat® C9 ACERT™	
Engine Power		
SAE J1995	170 kW	228 hp
ISO 14396	163 kW	219 hp
ISO 14396 Metric	222 hp	
Net Power		
SAE J1349	149 kW	200 hp
ISO 9249	149 kW	200 hp
ISO 9249 Metric	203 hp	
80/1269/EEC	149 kW	200 hp
Bore	112 mm	4.4 in
Stroke	149 mm	5.9 in
Displacement	8.8 L	537 in <sup>3</sup>

- Engine ratings apply at 1,850 rpm.
- Net power advertised is the power available at the engine flywheel when the engine is equipped with a fan at maximum speed, air cleaner, muffler and alternator.
- No deratings required up to 2286 m (7,500 ft) altitude, beyond 2286 m (7,500 ft) automatic derating occurs.

## Transmission

5 Speed	3 Speed		
1.5 Forward	1	3.8 km/h	2.33 mph
2.0 Forward		5.2 km/h	3.2 mph
2.5 Forward	2	6.6 km/h	4.09 mph
3.0 Forward		8.5 km/h	5.3 mph
3.5 Forward	3	11.4 km/h	7.11 mph
1.5 Reverse	1	4.8 km/h	3 mph
2.0 Reverse		6.6 km/h	4.1 mph
2.5 Reverse	2	8.4 km/h	5.22 mph
3.0 Reverse		10.9 km/h	6.8 mph
3.5 Reverse	3	14.6 km/h	9.04 mph

## Service Refill Capacities

Fuel Tank	424 L	112 gal
Cooling System	76.8 L	20.3 gal
Engine Crankcase	28 L	7.4 gal
Power Train	145.7 L	38.5 gal
Final Drives (each)	13.6 L	3.6 gal
Roller Frames (each)	24.6 L	6.5 gal
Pivot Shaft	5 L	1.3 gal
Compartment		
Hydraulic Tank	51.5 L	13.6 gal

## Weights

Operating Weight		
STD A-Blade	19 969 kg	44,024 lb
STD SU-Blade	19 429 kg	42,834 lb
XL A-Blade	20 661 kg	45,550 lb
XL SU-Blade	20 449 kg	45,082 lb
LGP S-Blade	22 039 kg	48,588 lb
Shipping Weight		
STD A-Blade	16 266 kg	35,860 lb
STD SU-Blade	16 266 kg	35,860 lb
XL A-Blade	17 050 kg	37,589 lb
XL SU-Blade	17 050 kg	37,589 lb
LGP S-Blade	18 811 kg	41,471 lb

- Operating Weight includes blade, lubricants, coolant, full fuel tank, standard track, ROPS/FOPS cab, drawbar and operator.
- Shipping Weight includes lubricants, coolant, ROPS/FOPS cab, standard track and 10% fuel.

## Hydraulic Controls – Pump

RPM at rated Engine	1,965 rpm	
Speed – Implement		
RPM at rated Engine	2,625 rpm	
Speed – Steering		
Pump Output – Implement	189 L/min	49.9 gal/min
Pump Output – Steering	179 L/min	47.3 gal/min
Lift Cylinder Flow	189 L/min	49.9 gal/min
Tilt Cylinder Flow	80 L/min	21.1 gal/min
Ripper Cylinder Flow	189 L/min	49.9 gal/min

## Hydraulic Controls – Main Relief Valve

Pressure Setting – Steering	41 700 kPa	6,048 psi
Pressure Setting – Implement	21 700 kPa	3,147 psi

## Hydraulic Controls – Maximum Operating Pressure

Bulldozer – Lift	19 300 kPa	2,799 psi
Bulldozer – Tilt	19 300 kPa	2,799 psi
Ripper	19 300 kPa	2,799 psi

## Ripper

Type	Fixed Parallelogram	
Number of Pockets	3	
Overall Beam Width	2202 mm	87 in
Beam Cross Section	216 × 254 mm	8.5 × 10 in
Maximum Clearance Raised (under tip, pinned in bottom hole)	511 mm	20.1 in
Maximum Penetration	500 mm	19.7 in
Maximum Penetration Force	6603 kg	14,557 lb
Pryout Force	9134 kg	20,137 lb
Weight – With One Shank	1634 kg	3,606 lb
Each Additional Shank	74 kg	163 lb

# D6T Specifications

## Winch

Winch Model	PA56	
Maximum bare drum line pull*	40 750 kg	89,800 lb
Rated bare drum line pull	26 800 kg	59,100 lb
Winch Model	PA56 Optional Gearing	
Maximum bare drum line pull	40 750 kg	89,800 lb
Rated bare drum line pull	31 750 kg	70,000 lb
Maximum recommended drum capacity		
Recommended rope (22 mm/0.88 in)	55 m	180 ft
Optional rope (25 mm/1.0 in)	50 m	163 ft
Weight	1180 kg	2,600 lb
Oil refill capacity	67 L	17.8 gal
Drum diameter	255 mm	10 in
Increased tractor length	517 mm	20.4 in
Increased tractor length LGP	397 mm	15.6 in

\*Maximum line pull is lesser of actual line pull at maximum PTO output torque or catalog breaking strength of maximum optional size new IWRC IPS wire rope.

## Standards

ROPS/FOPS	ROPS meets criteria ISO 3471:2008. FOPS meets ISO 3449, 2005 Level II.
Brakes	Brakes meet the International Standard ISO 10265:2008.
Cab	Meets appropriate standards as listed below.

### Standard

- The declared dynamic operator sound pressure level is 76 dB(A) when “ISO 6396:2008” is used to measure the value for an enclosed cab. 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. The cab was properly installed and maintained.
- The declared exterior sound power level is 112 dB(A) when the value is measured according to the dynamic test procedures and the conditions that are specified in “ISO 6395:2008.” The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.
- Hearing protection may be needed when the machine is operated with an open operator station for extended periods or in a noisy environment. Hearing protection may be needed when the machine is operated with a cab that is not properly maintained, or when the doors and windows are open for extended periods or in a noisy environment.

## EU

- The declared dynamic operator sound pressure level is 75 dB(A) when “ISO 6396:2008” is used to measure the value for an enclosed cab. 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. The cab was properly installed and maintained.
- The declared exterior sound power level is 111 dB(A) when the value is measured according to the dynamic test procedures and the conditions that are specified in “ISO 6395:2008.” The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.
- Hearing protection may be needed when the machine is operated with an open operator station for extended periods or in a noisy environment. Hearing protection may be needed when the machine is operated with a cab that is not properly maintained, or when the doors and windows are open for extended periods or in a noisy environment.

## Weight

All dimensions are approximate.

### Bulldozer Specifications

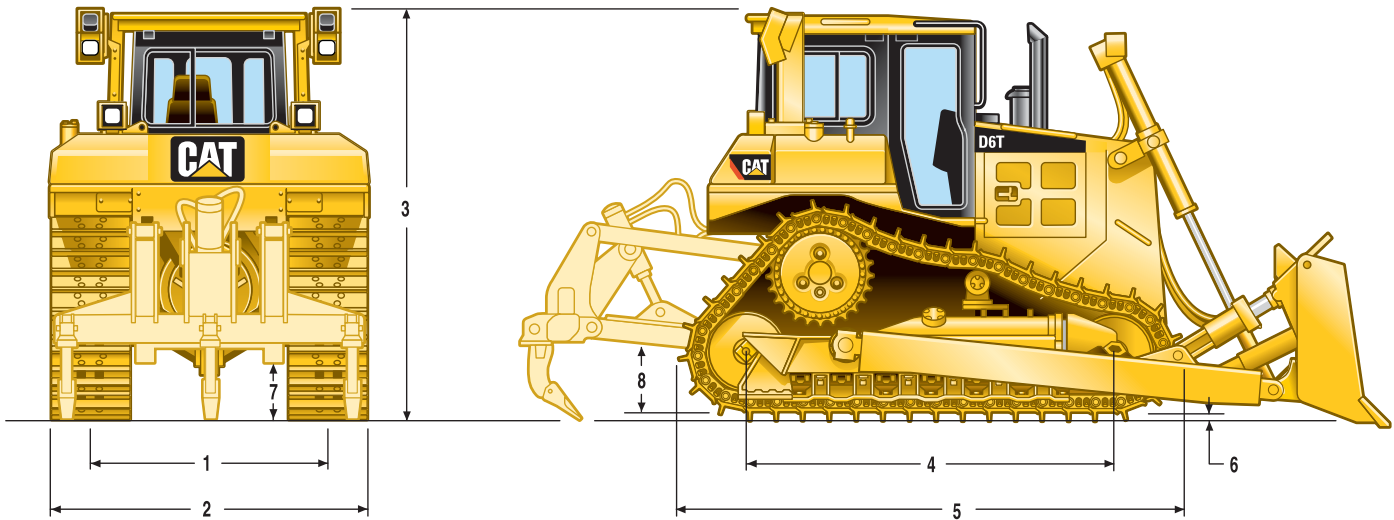
	S LGP		SU STD		SU XL		A † STD		A † XL	
Blade Capacity	3.75 m <sup>3</sup>	4.90 yd <sup>3</sup>	5.61 m <sup>3</sup>	7.34 yd <sup>3</sup>	5.31 m <sup>3</sup>	6.94 yd <sup>3</sup>	3.93 m <sup>3</sup>	5.14 yd <sup>3</sup>	3.93 m <sup>3</sup>	5.14 yd <sup>3</sup>
Width	4063 mm	13.33 ft	3260 mm	10.66 ft	3260 mm	10.66 ft	4166 mm	13.66 ft	4500 mm	14.75 ft
Height	1101 mm	44 in	1412 mm	56 in	1412 mm	56 in	1155 mm	45 in	1155 mm	45 in
Digging Depth	655 mm	26 in	473 mm	19 in	459 mm	18 in	506 mm	20 in	524 mm	21 in
Ground Clearance	1083 mm	43 in	1104 mm	44 in	1195 mm	47 in	1142 mm	45 in	1205 mm	47 in
Maximum Tilt	701 mm	28 in	743 mm	29 in	743 mm	29 in	408 mm	16 in	408 mm	16 in
Weight*	2836 kg	6,252 lb	2699 kg	5,950 lb	2973 kg	6,554 lb	3050 kg	6,724 lb	3150 kg	6,945 lb

\*Includes push arms, blade, blade tilt cylinder(s), cutting edges and miscellaneous hardware components.

†Angle dozers include two tilt cylinders.

## Dimensions

All dimensions are approximate.



	STD		XL		LGP S	
<b>1</b> Track gauge	1880 mm	74 in	1880 mm	74 in	2286 mm	90 in
<b>2</b> Width of tractor						
Over trunnions	2640 mm	8 ft 8 in	2640 mm	8 ft 8 in	3480 mm	11 ft 5 in
Without trunnions (std. track)	2440 mm	8 ft 0 in	2440 mm	8 ft 0 in	3193 mm	10 ft 6 in
<b>3</b> Machine height from tip of grouser:						
Stack	3143 mm	10 ft 4 in	3143 mm	10 ft 4 in	3193 mm	10 ft 6 in
ROPS	3195 mm	10 ft 6 in	3195 mm	10 ft 6 in	3245 mm	10 ft 8 in
<b>4</b> Length of track on ground	2664 mm	8 ft 9 in	2871 mm	9 ft 5 in	3275 mm	10 ft 9 in
<b>5</b> Length of basic tractor	3658 mm	12 ft 0 in	3860 mm	12 ft 8 in	4247 mm	13 ft 11 in
With following attachments add:						
Drawbar	217 mm	8.5 in	217 mm	8.5 in	251 mm	9.9 in
Ripper Multi-Shank (tip at ground line)	1403 mm	4 ft 7 in	1403 mm	4 ft 7 in	—	—
Winch	517 mm	1 ft 8 in	517 mm	1 ft 8 in	397 mm	1 ft 4 in
S Blade	1043 mm	3 ft 5 in	—	—	1218 mm	4 ft 0 in
SU Blade	1235 mm	4 ft 1 in	1472 mm	4 ft 10 in	—	—
A Blade	1147 mm	3 ft 9 in	1349 mm	4 ft 5 in	—	—
VPAT Blade	—	—	—	—	—	—
<b>6</b> Height of grouser	65 mm	2.6 in	65 mm	2.6 in	65 mm	2.6 in
<b>7</b> Ground clearance	383 mm	1 ft 3 in	383 mm	1 ft 3 in	433 mm	1 ft 5 in
Track pitch	203 mm	8.0 in	203 mm	8.0 in	203 mm	8.0 in
Number of shoes per side		39		41		45
Number of rollers per side		6		7		8
Standard shoe	560 mm	22 in	560 mm	22 in	915 mm	36 in
Ground contact area (std. track)	2.98 m <sup>2</sup>	4,620 in <sup>2</sup>	3.22 m <sup>2</sup>	4,972 in <sup>2</sup>	5.99 m <sup>2</sup>	9,288 in <sup>2</sup>
Ground pressure*	0.614 kg/cm <sup>2</sup>	8.74 psi	0.623 kg/cm <sup>2</sup>	8.90 psi	0.362 kg/cm <sup>2</sup>	5.15 psi
<b>8</b> Drawbar height	576 mm	1 ft 11 in	576 mm	1 ft 11 in	626 mm	2 ft 1 in
From ground face of shoe	511 mm	1 ft 8 in	511 mm	1 ft 8 in	561 mm	1 ft 10 in

\*STD, XL with SU blade, with no rear attachments unless otherwise specified.

## Standard Equipment

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

### POWER TRAIN

- C9 ACERT diesel engine
- Radiator, Aluminum Bar Plate
- Air cleaner, precleaner with stratta tube dust ejector
- Air filter with electronic service indicator
- Aftercooler, air to air (ATAAC)
- Coolant, extended life
- Fan, blower, direct drive
- Final drives, three planet single reduction planetary
- Fuel priming pump, electric
- Muffler, insulated with mitered stack
- Parking brake, electronic
- Prescreener
- Shift management
  - Automatic directional and downshift
  - Controlled throttle, load compensated
- Starting aid, ether, automatic
- Torque divider
- Transmission, electronically controlled powershift 3F/3R speeds
- Turbocharger, wastegate
- Water separator

### UNDERCARRIAGE

- SystemOne
- Carrier rollers
- Equalizer bar, heavy duty
- Guards, end track guiding
- Idlers, center tread, lifetime lubricated
- Rollers, lifetime lubricated track
- Track roller frames, tubular
- Track adjusters, hydraulic
- Sprocket rim segments, replaceable

### ELECTRICAL

- Alarm, backup
- Alternator, 95 amp, brushless
- Batteries, 2 maintenance free 12V (24V system), heavy duty
- Converter, 12V, 10 amp with 2 outlets
- Connector, diagnostic
- Electric start, 24V
- Horn, forward warning

### OPERATOR ENVIRONMENT

- Air conditioner, underhood
- Armrest, adjustable
- Cab, ROPS/FOPS, sound suppressed
- Decelerator pedal
- Differential steering control with touch shift
- Electronic Monitoring System with coolant power train oil, and hydraulic oil temperature, fuel gauge, tachometer, odometer, gear indicator and diagnostic functions
- Foot pads, dash
- Heater
- Hour meter, electronic
- Hydraulic controls, pilot operated with electronic deactivation switch
- Mirror, rearview
- Radio ready
- Seat, adjustable contour suspension
- Seatbelt, retractable 76 mm (3 in)
- Throttle switch, electronic
- Wipers, intermittent

### OTHER STANDARD EQUIPMENT

- CD ROM Parts Book
- Engine enclosures, perforated
- Front pull device
- Guards, hinged bottom
- Hood, perforated
- Hydraulics, independent steering and work tool pumps
- Hydraulics, load sensing, dozer lift and tilt
- Oil cooler, hydraulic
- Product link ready
- Radiator doors, louvered, hinged, fan blast deflector
- S·O·S sampling ports
- Tool box
- Vandalism protection for fluid compartments and battery box