

D6T

Track-Type Tractor

The Cat® D6T has earned a reputation for best-in-class versatility, productivity and resale value. Because it excels across a wide range of dozing tasks, customers choose the D6T for everything from dozing, ripping, scraper work and land clearing to finish grading, backfilling trenches, building oil/gas/wind farm pads and working landfills. The D6T offers many of the robust features found on larger tractors, with the reliability and low operating costs customers have come to expect from Cat Track-Type Tractors.

Operator Station

Ease of operation, as well as cab comfort and layout, help keep operators comfortable and more productive. The D6T offers excellent visibility all around the machine, enhancing operator efficiency and job site safety.

Power Train

The D6T is powered by a Cat C9 engine with ACERT™ Technology that delivers proven performance and reliability. The electronically controlled powershift transmission, differential steering, and durable planetary final drives deliver smooth, responsive power in a variety of working conditions. Dedicated hydraulics and machine control systems help enhance productivity so operators can get more work done in less time.



Integrated Technologies

AccuGrade™ systems help improve productivity and efficiency, as well as help less experienced operators perform more effectively. Cat Product Link is an excellent tool to help fleet managers maximize efficiency and control costs.

Equipped for Versatility

A variety of undercarriage and work tool offerings help customers equip the D6T for optimized performance in a wide range of working conditions.

Serviceability and Customer Support

Cat machines are designed for ease of serviceability so they can spend more productive time on the job site. Cat dealer preventive maintenance and repair expertise, along with machine rebuild capability, help reduce overall owning and operating costs.



D6T Track-Type Tractor Specifications

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 ³	

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 ³	

- Engine ratings apply at 1,850 rpm.
- Net engine 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 Compartment	5 L	1.3 gal
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
XL VPAT-Blade	23 152 kg	51,041 lb
XW A-Blade	21 580 kg	47,576 lb
XW SU-Blade	21 301 kg	46,961 lb
XW VPAT-Blade	23 601 kg	52,031 lb
LGP S-Blade	22 039 kg	48,588 lb
LGP A-Blade	23 074 kg	50,869 lb
LGP VPAT-Blade	24 121 kg	53,178 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
XL VPAT-Blade	17 629 kg	38,865 lb
XW A-Blade	17 769 kg	39,174 lb
XW SU-Blade	17 769 kg	39,174 lb
XW VPAT-Blade	17 958 kg	39,591 lb
LGP S-Blade	18 811 kg	41,471 lb
LGP A-Blade	18 811 kg	41,471 lb
LGP VPAT-Blade	18 499 kg	40,783 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.

D6T Track-Type Tractor Specifications

Hydraulic Controls – Pump

RPM at rated Engine Speed – Implement	1,965 rpm	
RPM at rated Engine Speed – Steering	2,625 rpm	
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
Angle Cylinder Flow – VPAT	170 L/min	44.9 gal/min

Hydraulic Controls – Main Relief Valve

Pressure Setting – Steering	41 700 kPa	6,048 psi
Pressure Setting – Implement (Non-VPAT)	21 700 kPa	3,147 psi
Pressure Setting – Implement (VPAT)	24 440 kPa	3,545 psi

Hydraulic Controls – Maximum Operating Pressure (Non-VPAT)

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

Hydraulic Controls – Maximum Operating Pressure (VPAT)

Bulldozer – Lift	21 550 kPa	3,126 psi
Bulldozer – Tilt	21 550 kPa	3,126 psi
Bulldozer – Angle	21 550 kPa	3,126 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

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

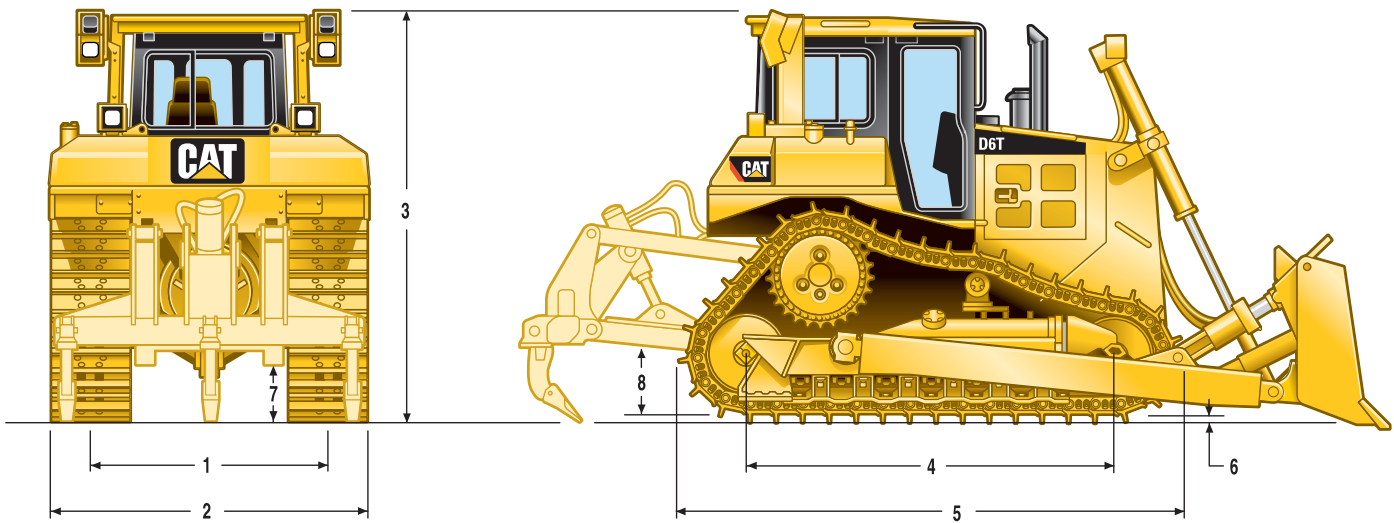
ROPS/FOPS	ROPS meets criteria SAE J395, SAE 1040 MAY 94, ISO 3471-1994/ FOPS meets ISO 3449-1992 Level II
Cab	Meets appropriate standards as listed below.
Brakes	Brakes meet criterion SAE J/ISO 10265 MAR99

- The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT 98 is 80 dB(A) for cab offered by Caterpillar when properly installed and maintained and tested with the doors and windows closed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.
- The exterior sound pressure level for the standard machine measured at a distance of 15 m (49.2 ft) according to test procedures specified in SAE J88 APR 95, mid-gear-moving operation, is 85 dB(A).

D6T Track-Type Tractor Specifications

Dimensions

All dimensions are approximate.



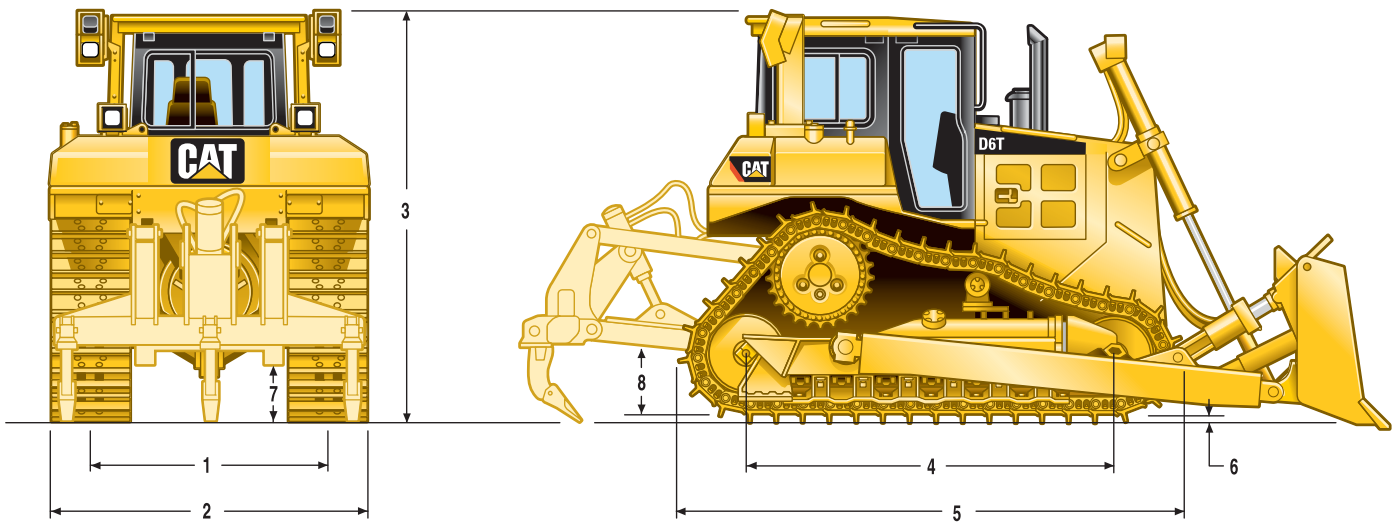
	STD		XL		XL VPAT	
1 Track gauge	1880 mm	74 in	1880 mm	74 in	2134 mm	84 in
2 Width of tractor						
Over trunnions	2640 mm	8 ft 8 in	2640 mm	8 ft 8 in	—	—
Without trunnions (std. track)	2440 mm	8 ft 0 in	2440 mm	8 ft 0 in	2692 mm	8 ft 10 in
3 Machine height from tip of grouser:						
Stack	3143 mm	10 ft 4 in	3143 mm	10 ft 4 in	3143 mm	10 ft 4 in
ROPS	3195 mm	10 ft 6 in	3195 mm	10 ft 6 in	3195 mm	10 ft 6 in
4 Length of track on ground	2664 mm	8 ft 9 in	2871 mm	9 ft 5 in	2871 mm	9 ft 5 in
5 Length of basic tractor	3658 mm	12 ft 0 in	3860 mm	12 ft 8 in	3860 mm	12 ft 8 in
With following attachments add:						
Drawbar	217 mm	8.5 in	217 mm	8.5 in	217 mm	8.5 in
Ripper Multi-Shank (tip at ground line)	1403 mm	4 ft 7 in	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	517 mm	1 ft 8 in
S Blade	1043 mm	3 ft 5 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	—	—	—	—	1524 mm	5 ft 0 in
6 Height of grouser	65 mm	2.6 in	65 mm	2.6 in	65 mm	2.6 in
7 Ground clearance	383 mm	1 ft 3 in	383 mm	1 ft 3 in	383 mm	1 ft 3 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		41
Number of rollers per side		6		7		7
Standard shoe	560 mm	22 in	560 mm	22 in	560 mm	22 in
Ground contact area (std. track)	2.98 m ²	4,620 in ²	3.22 m ²	4,972 in ²	3.22 m ²	4,972 in ²
Ground pressure*	0.614 kg/cm ²	8.74 psi	0.623 kg/cm ²	8.90 psi	0.658 kg/cm ²	9.36 psi
8 Drawbar height						
From ground face of shoe	576 mm	1 ft 11 in	576 mm	1 ft 11 in	576 mm	1 ft 11 in
	511 mm	1 ft 8 in	511 mm	1 ft 8 in	511 mm	1 ft 8 in

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

D6T Track-Type Tractor Specifications

Dimensions

All dimensions are approximate.



	XW		XW VPAT		LGP S		LGP VPAT	
1 Track gauge	2032 mm	80 in	2286 mm	90 in	2286 mm	90 in	2286 mm	90 in
2 Width of tractor								
Over trunnions	2950 mm	9 ft 8 in	—	—	3480 mm	11 ft 5 in	—	—
Without trunnions (std. track)	2794 mm	9 ft 2 in	2997 mm	9 ft 10 in	3193 mm	10 ft 6 in	3150 mm	10 ft 4 in
3 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	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	3245 mm	10 ft 8 in
4 Length of track on ground	2871 mm	9 ft 5 in	2871 mm	9 ft 5 in	3275 mm	10 ft 9 in	3275 mm	10 ft 9 in
5 Length of basic tractor	3860 mm	12 ft 8 in	3860 mm	12 ft 8 in	4247 mm	13 ft 11 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	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	397 mm	1 ft 4 in
S Blade	—	—	—	—	1218 mm	4 ft 0 in	—	—
SU Blade	1472 mm	4 ft 10 in	—	—	—	—	—	—
A Blade	1349 mm	4 ft 5 in	—	—	—	—	—	—
VPAT Blade	—	—	1524 mm	5 ft 0 in	—	—	1743 mm	5 ft 9 in
6 Height of grouser	65 mm	2.6 in	65 mm	2.6 in	65 mm	2.6 in	65 mm	2.6 in
7 Ground clearance	383 mm	1 ft 3 in	383 mm	1 ft 3 in	433 mm	1 ft 5 in	433 mm	1 ft 5 in
Track pitch	203 mm	8.0 in	203 mm	8.0 in	203 mm	8.0 in	203 mm	8.0 in
Number of shoes per side	41		41		45		45	
Number of rollers per side	7		7		8		8	
Standard shoe	760 mm	30 in	710 mm	28 in	915 mm	36 in	785 mm	31 in
Ground contact area (std. track)	4.36 m ²	6,780 in ²	4.08 m ²	6,328 in ²	5.99 m ²	9,288 in ²	5.16 m ²	7,998 in ²
Ground pressure*	0.472 kg/cm ²	6.72 psi	0.524 kg/cm ²	7.45 psi	0.362 kg/cm ²	5.15 psi	0.446 kg/cm ²	6.35 psi
8 Drawbar height	576 mm	1 ft 11 in	576 mm	1 ft 11 in	626 mm	2 ft 1 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	561 mm	1 ft 10 in

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

D6T Track-Type Tractor Specifications

Weight

All dimensions are approximate.

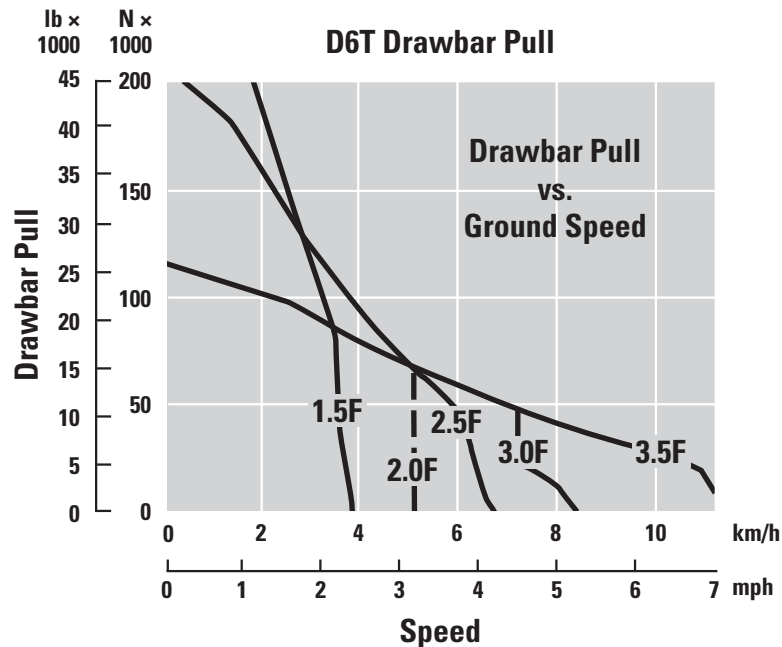
Bulldozer Specifications

		S STD	S LGP	SU STD	SU XL	SU XW	A † STD	A † LGP	A † XL	A † XW	VPAT XL	VPAT XW	VPAT LGP
Blade Capacity	m ³	3.89	3.75	5.61	5.31	5.05	3.93	5.22	3.93	4.30	4.73	5.10	4.32
	yd ³	5.09	4.90	7.34	6.94	6.60	5.14	6.82	5.14	5.63	6.19	6.67	5.65
Width	mm	3360	4063	3260	3260	3556	4166	5070	4500	4200	3880	4160	4160
	ft	11.00	13.33	10.66	10.66	11.66	13.66	16.63	14.75	13.75	12.73	13.65	13.65
Height	mm	1257	1101	1412	1412	1412	1155	1134	1155	1169	1295	1295	1191
	in	50	44	56	56	56	45	45	45	46	51	51	47
Digging Depth	mm	473	655	473	459	459	506	828	524	500	737	737	672
	in	19	26	19	18	18	20	33	21	20	29	29	26
Ground Clearance	mm	1104	1083	1104	1195	1195	1142	1088	1205	1242	1174	1174	1230
	in	44	43	44	47	47	45	43	47	49	46	46	48
Max. Tilt	mm	765	701	743	743	743	408	476	408	408	440	460	502
	in	30	28	29	29	29	16	19	16	16	17	18	20
Weight*	kg	2599	2836	2699	2973	2949	3050	3430	3150	3400	3560	3650	3620
	lb	5,730	6,252	5,950	6,554	6,501	6,724	7,562	6,945	7,496	7,848	8,047	7,981
Weight**	kg	—	—	—	—	—	—	—	—	—	1593	1681	1591
	lb	—	—	—	—	—	—	—	—	—	3,512	3,705	3,507

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

** VPAT blade only

† Angle dozers include two tilt cylinders.



D6T Track-Type Tractor Standard Equipment

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·SSM sampling ports
- Tool box
- Vandalism protection for fluid compartments and battery box

MANDATORY ATTACHMENTS

BULLDOZER

- 6SU, Basic
- 6SU XL, Basic
- Blade, Landfill, 6SU XL

D6T Track-Type Tractor Optional Equipment

Optional Equipment

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

- Premium Cab Package with cloth air suspension seat and 20 amp converter
- Rear counterweight and drawbar
- Heavy Duty Guard Package
- Efficiency Package with power train oil change system and fast fill fuel system
- Waste Handling Arrangement

POWER TRAIN

- Drains, ecology, power train
- Prescreener
- Grid, radiator core protector
- Fan, demand
- Fan, ejector
- Fan, Flexxaire
- Fan, reversible
- Precleaner, turbine with screen
- Precleaner, turbine without screen
- Thermal shield arrangement

UNDERCARRIAGE

- Undercarriage, Heavy Duty
- Track pairs
 - (Standard roller frame, 39 section)
 - Extreme Service (HD)
560 mm (22 in)
 - Extreme Service (SystemOne)
560 mm (22 in)
 - Non-Trapezoidal (SystemOne)
610 mm (24 in)
 - Moderate Service (HD)
560 mm (22 in)
 - Moderate Service (SystemOne)
610 mm (24 in)

D6T Track-Type Tractor

Optional Equipment (cont'd)

UNDERCARRIAGE (cont'd)

- Track pairs
(XL non-VPAT roller frame, 41 section)
 - Extreme Service (HD)
560 mm (22 in)
 - Extreme Service (HD)
610 mm (24 in), non-trapezoidal
 - Extreme Service (SystemOne)
560 mm (22 in)
 - Extreme Service (SystemOne)
610 mm (24 in), non-trapezoidal
 - Moderate Service (HD)
610 mm (24 in)
 - Extreme Service (HD)
610 mm (24 in), trapezoidal
 - Extreme Service (SystemOne)
560 mm (22 in), center hole

HYDRAULICS

- Hydraulics, ripper

STARTERS, BATTERIES AND ALTERNATORS

- Alternator, 150 amp
- Alternator, 95 amp, ducted
- Heater, engine coolant, 120V
- Batteries, heavy duty and starter

ELECTRICAL

- Lights, five
- Lights, seven
- Lights, eleven
- Lights, sweeps
- Light, warning strobe
- Switch, disconnect, remote mounted

OPERATOR ENVIRONMENT

- Air conditioner, ROPS mounted
- Canopy
- Seat, vinyl
- Camera, rear vision
- Cab, arrangement with screens
- Glass, dual pane and precleaner
- Handles, heavy duty

TECHNOLOGY PRODUCTS

- Security system, machine
- AccuGrade ready, cab
- Blade groups with AccuGrade mounts

GUARDS

- Note:** Additional guarding may be required for some tractor applications

- Guards
 - Idler seals
 - Crankcase, heavy duty
 - Radiator, hinged
 - Metal hose protection sleeve
 - Final drive, clamshell
 - Final drive seals
 - Fuel tank
 - Precleaner
 - Radiator, HD
 - Radiator, hinged, HD
 - Rear tractor
 - Screen, rear
 - Forestry
 - Track, moderate service
 - Track, full length
 - Track, full
- Striker bars
 - Front
 - Rear
- Striker bar box, rear

COUNTERWEIGHTS AND DRAWBARS

- Counterweight, additional
- Counterweight, rear slab
- Counterweight, rigid short

WINCH

- Please see your Cat dealer for Winch options

MISCELLANEOUS

- Paint, black hood and cylinders
- Sweeps

BLADES

- 6SU
- 6S
- 6A
- Blade, Landfill, 6SU

GROUND ENGAGING TOOLS

- Ripper, multi-shank
- Tooth, multi-shank ripper
- Tooth, straight (1, 2 or 3)

Materials and specifications are subject to change without notice.

Featured machines in photos may include additional equipment.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

© 2012 Caterpillar Inc.
All Rights Reserved.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.