

# 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. And with features designed for even greater comfort, productivity and fuel efficiency, today's D6T does even more to help you meet your business objectives. The new D6T meets EU Stage IIIB emission standards.

### Powerful Productivity

Standard electro-hydraulic controls help improve precision and response. Dedicated hydraulics and machine control systems aid overall productivity. Features like Eco Reverse, Multi Velocity Program and hydraulic demand fan help reduce overall fuel use and reduce operating costs.

### Operator Station

Ease of operation, cab comfort and layout help keep operators focused and more productive.

### Engine and Emissions Technology

Cat® engine and aftertreatment solutions meet EU Stage IIIB emission standards.



### Integrated Technologies

Grade Control Ready feature means easy installation of the performance enhancing Cat AccuGrade™ system. Cat Product Link helps fleet managers maximize utilization and control costs.

### Serviceability and Customer Support

Ease of serviceability, Cat dealer support expertise and machine rebuild capability help to reduce overall owning and operating costs.



# D6T Track-Type Tractor Specifications

## Engine

Engine Model	Cat® C9.3 ACERT™	
Emissions	U.S. EPA Tier 4 Interim/ EU Stage IIIB	
Gross Power – SAE J1995	171 kW	229 hp
Engine Power – ISO 14396	169 kW	227 hp
Engine Power – ISO 14396 (DIN)	230 hp	
Net Power – SAE J1349	153 kW	205 hp
Net Power – ISO 9249	153 kW	205 hp
Net Power – ISO 9249 (DIN)	208 hp	
Net Power – 80/1269/EEC	153 kW	205 hp
Bore	115 mm	4.5 in
Stroke	149 mm	5.9 in
Displacement	9.3 L	567 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, Cat Clean Emission Module and alternator.
- No deratings required up to 2286 m (7,500 ft) altitude, beyond 2286 m (7,500 ft) automatic derating occurs.
- Engine constant net strategy

## Transmission

1.5 Forward	3.8 kph	2.3 mph
2.0 Forward	5.1 kph	3.2 mph
2.5 Forward	6.6 kph	4.1 mph
3.0 Forward	8.5 kph	5.3 mph
3.5 Forward	11.4 kph	7.1 mph
1.5 Reverse	4.8 kph	3.0 mph
2.0 Reverse	6.6 kph	4.1 mph
2.5 Reverse	8.4 kph	5.2 mph
3.0 Reverse	8.5 kph	5.3 mph
3.5 Reverse	14.6 kph	9.0 mph
Drawbar Pull:		
1.5 Forward	355.5 kN	79,910 lb
2.0 Forward	206.4 kN	46,410 lb
2.5 Forward	206.4 kN	46,410 lb
3.0 Forward	113 kN	25,360 lb
3.5 Forward	113 kN	25,360 lb

## Undercarriage

Shoe Type	Moderate Service	
Width of Shoe:		
XL/XL VPAT	560 mm	22 in
XW	760 mm	30 in
XW VPAT	710 mm	28 in
LGP	915 mm	36 in
LGP VPAT	790 mm	31 in
Shoes/Side:		
XL/XW	41	
LGP	45	
Grouser Height	65 mm	2.6 in
Pitch	203 mm	8.0 in
Ground Clearance	384 mm	15.0 in
Track Gauge:		
XL	1880 mm	74 in
XL VPAT	2134 mm	84 in
XW	2032 mm	80 in
XW VPAT/LGP/LGP VPAT	2286 mm	90 in
Track on Ground:		
XL/XW	2840 mm	112 in
LGP	3250 mm	128 in
Ground Contact Area:		
XL	3.18 m <sup>2</sup>	4,929 in <sup>2</sup>
XW	4.31 m <sup>2</sup>	6,680 in <sup>2</sup>
LGP	5.95 m <sup>2</sup>	9,223 in <sup>2</sup>
XL VPAT	3.18 m <sup>2</sup>	4,929 in <sup>2</sup>
XW VPAT	4.03 m <sup>2</sup>	6,246 in <sup>2</sup>
LGP VPAT	5.10 m <sup>2</sup>	7,905 in <sup>2</sup>
Ground Pressure:		
XL	57.2 kPa	8.3 psi
XW	43.9 kPa	6.4 psi
LGP	33.5 kPa	4.86 psi
XL VPAT	64.7 kPa	9.4 psi
XW VPAT	52.0 kPa	7.5 psi
LGP VPAT	42.8 kPa	6.2 psi
Carrier Rollers/Side	1	
Track Rollers/Side		
XL/XW	7	
LGP	8	
Oscillation at Front Idler:		
XL/XL VPAT/XW VPAT	103 mm	4.0 in
XW	100 mm	3.9 in
LGP/LGP VPAT	117 mm	4.6 in
Fine Grading AR	n/a	n/a

- All dimensions above with SystemOne undercarriage.

# D6T Track-Type Tractor Specifications

## Service Refill Capacities

Fuel Tank	425.0 L	112.0 gal
Cooling System	64.4 L	17.0 gal
Engine Crankcase	24.6 L	6.5 gal
Powertrain	148.0 L	39.1 gal
Final Drives (each)	13.5 L	3.6 gal
Roller Frames (each)	25.0 L	6.6 gal
Pivot Shaft Compartment	5.0 L	1.3 gal
Hydraulic Tank	65.5 L	17.3 gal

## Hydraulic Controls – Maximum Operating Pressure

Bulldozer – Lift:		
Non-VPAT	19 300 kPa	2,800 psi
VPAT	21 550 kPa	3,125 psi
Bulldozer – Tilt:		
Non-VPAT	19 300 kPa	2,800 psi
VPAT	21 550 kPa	3,125 psi
Bulldozer – Angle:		
VPAT	21 550 kPa	3,125 psi
Ripper – Lift:		
Non-VPAT	19 300 kPa	2,800 psi
VPAT	21 550 kPa	3,125 psi
Steering	40 000 kPa	5,800 psi

## Hydraulic Controls – Pump

Type		
RPM at Rated Engine Speed:		
Fan	2,135 rpm	
Implement	2,135 rpm	
Steering	2,854 rpm	
Pump Output:		
Fan	93 L/min	25 gal/min
Implement	205 L/min	54 gal/min
Steering	195 L/min	52 gal/min
Lift Cylinder Flow	190 L/min	50 gal/min
Tilt Cylinder Flow	110 L/min	29 gal/min
Ripper Cylinder Flow	190 L/min	50 gal/min
Angle Cylinder Flow – VPAT	170 L/min	45 gal/min

## Hydraulic Controls – Main Relief Valve

Pressure Setting – Implement:		
Non-VPAT	21 700 kPa	3,150 psi
VPAT	24 400 kPa	3,540 psi

## Winch

Winch Model	PA56	
Weight	1203 kg	2,652 lb
Oil Capacity	67 L	17.8 gal
Winch and Bracket Length	1214 mm	47.8 in
Winch Case:		
Length	902 mm	35.5 in
Width	872 mm	34.3 in
Increased Tractor Length:		
XL/XW	516 mm	20.4 in
LGP	365 mm	14.4 in
Drum Diameter	254 mm	10.0 in
Drum Width	315 mm	12.4 in
Flange Diameter	505 mm	19.9 in
Drum Capacity:		
22 mm (0.88 in)	85 m	281 ft
25 mm (1.0 in)	66 m	218 ft
Winch Drive	Mechanical	
Control	Electric	
Overall Width	975 mm	38.4 in
Rope Diameter (recommended)	22 mm	0.88 in
Cable Ferrule Size (O.D. × Length)	54 mm × 67 mm	2.1 in × 2.6 in
Maximum Bare Drum:		
Line Pull	40 700 kg	89,800 lb
Line Speed	39.6 m/min	130 ft/min
Maximum Full Drum:		
Line Pull	34 600 kg	76,300 lb
Line Speed	68.3 m/min	224 ft/min

# D6T Track-Type Tractor Specifications

## Blades

Capacity:		
XL SU-Blade	5.31 m <sup>3</sup>	6.94 yd <sup>3</sup>
XL SU Narrow-Blade*	4.95 m <sup>3</sup>	6.47 yd <sup>3</sup>
XL A-Blade	3.93 m <sup>3</sup>	5.14 yd <sup>3</sup>
XL VPAT-Blade	4.73 m <sup>3</sup>	6.19 yd <sup>3</sup>
XW SU-Blade	5.05 m <sup>3</sup>	6.60 yd <sup>3</sup>
XW A-Blade	4.30 m <sup>3</sup>	5.63 yd <sup>3</sup>
XW VPAT-Blade	5.08 m <sup>3</sup>	6.65 yd <sup>3</sup>
LGP S-Blade	3.70 m <sup>3</sup>	4.83 yd <sup>3</sup>
LGP A-Blade	5.22 m <sup>3</sup>	6.82 yd <sup>3</sup>
LGP VPAT-Blade	4.20 m <sup>3</sup>	5.50 yd <sup>3</sup>
Width:		
XL SU-Blade	3260 mm	10.7 ft
XL SU Narrow-Blade*	2990 mm	9.8 ft
XL A-Blade	4160 mm	13.7 ft
XL VPAT-Blade	3880 mm	12.8 ft
XW SU-Blade	3560 mm	11.7 ft
XW A-Blade	4500 mm	14.8 ft
XW VPAT-Blade	4160 mm	13.7 ft
LGP S-Blade	4040 mm	13.3 ft
LGP A-Blade	5070 mm	16.7 ft
LGP VPAT-Blade	4160 mm	13.7 ft

\* For Europe only.

## Ripper

Type	Fixed Parallelogram	
Ramp Angle	26 degrees	
Pocket Spacing	1000 mm	39.4 in
Shank Gauge	2000 mm	78.8 in
Shank Section	74 mm × 175 mm	2.9 in × 6.9 in
Number of Pockets	3	
Overall Beam Width	2202 mm	87 in
Beam Cross Section	219 mm × 254 mm	8.8 in × 10 in
Maximum Clearance Raised (under tip, pinned in bottom hole)	514 mm	20.2 in
Maximum Penetration	457 mm	18.0 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

## Weights

Operating Weight:		
XL A	21 148 kg	46,623 lb
XL SU	20 937 kg	46,158 lb
XL VPAT	23 663 kg	52,168 lb
XW A	22 068 kg	48,652 lb
XW SU	21 789 kg	48,036 lb
XW VPAT	24 112 kg	53,158 lb
LGP S	22 448 kg	49,489 lb
LGP A	23 482 kg	51,769 lb
LGP VPAT	24 569 kg	54,165 lb
Shipping Weight:		
XL A	17 738 kg	39,106 lb
XL SU	17 738 kg	39,106 lb
XL VPAT	20 385 kg	44,941 lb
XW A	18 564 kg	40,927 lb
XW SU	18 564 kg	40,927 lb
XW VPAT	20 793 kg	45,841 lb
LGP S	19 527 kg	43,050 lb
LGP A	19 527 kg	43,050 lb
LGP VPAT	21 264 kg	46,879 lb

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

## Standards

ROPS/FOPS	ROPS meets criteria ISO 3471:2008/FOPS meets ISO 3449:2005 Level II.
Brakes	Brakes meet the International Standard ISO 1065:2008.
Cab	Meets appropriate standards as listed below.

- The operator sound exposure Leq (equivalent sound pressure) measured according to the dynamic conditions in ISO 6396 is 79 dB(A) for a cab offered by Caterpillar when properly installed and maintained and with doors and windows closed when tested.
- 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 a standard machine was measured according to the dynamic conditions in ISO 6395. On this machine equipped with a carrier roller, the sound level is 115 dB(A).

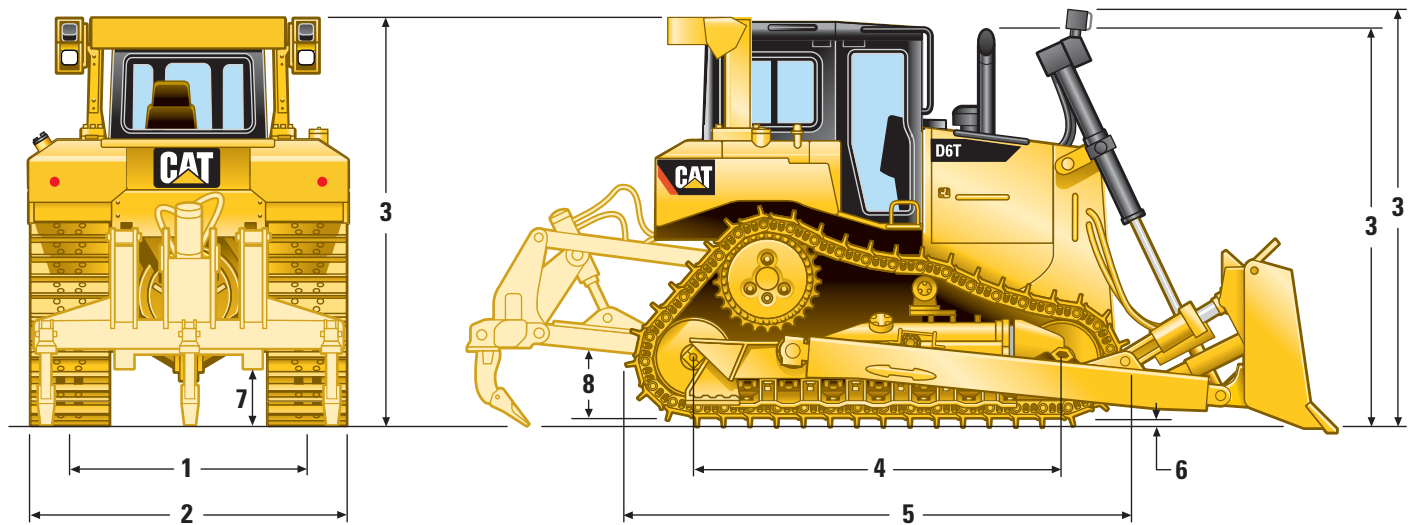
## Drive Train

Type	Mechanical
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# D6T Track-Type Tractor Specifications

## Dimensions

All dimensions are approximate.



	XL	XL VPAT	XL Fine Grading*
<b>1</b> Track gauge	1880 mm	2134 mm	1880 mm
<b>2</b> Width of tractor			
Over trunnions	2640 mm	—	2640 mm
Without trunnions (std. track)	2440 mm	2692 mm	—
<b>3</b> Machine height from tip of grouser:			
Stack	3126 mm	3126 mm	3193 mm
ROPS	3169 mm	3169 mm	3245 mm
Premium Light Package	3310 mm	3310 mm	3310 mm
<b>4</b> Length of track on ground	2840 mm	2840 mm	3275 mm
<b>5</b> Length of basic tractor	3860 mm	3860 mm	4247 mm
With following attachments add:			
Drawbar	182 mm	182 mm	251 mm
Ripper Multi-Shank (tip at ground line)	1370 mm	1370 mm	—
Winch	517 mm	517 mm	—
S Blade	—	—	—
SU Blade + SU Blade Narrow (Europe only)	1271 mm	—	1273 mm
A Blade	1341 mm	—	—
VPAT Blade	—	1504 mm	—
<b>6</b> Height of grouser	65 mm	65 mm	65 mm
<b>7</b> Ground clearance	384 mm	384 mm	433 mm
Track pitch	203 mm	203 mm	203 mm
Number of shoes per side	41	41	45
Number of rollers per side	7	7	8
Standard shoe	560 mm	560 mm	610 mm
Ground contact area (std. track)	3.18 m <sup>2</sup>	3.18 m <sup>2</sup>	4.00 m <sup>2</sup>
Ground pressure**	57.2 kPa	64.7 kPa	55 kPa
<b>8</b> Drawbar height	576 mm	576 mm	626 mm
From ground face of shoe	511 mm	511 mm	561 mm

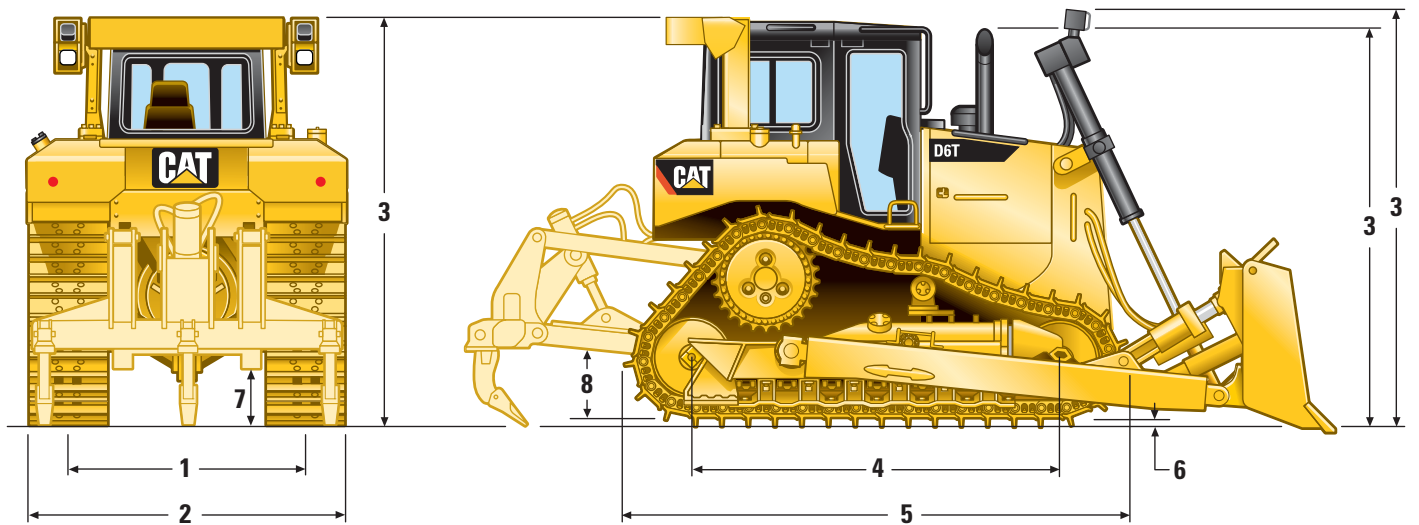
\* With 610 mm shoes and SU blade.

\*\* XL and XW with SU blade, LGP with S blade with no rear attachments unless otherwise specified and calculated per ISO 16754.

# D6T Track-Type Tractor Specifications

## Dimensions

All dimensions are approximate.



	XW	XW VPAT	LGP	LGP VPAT
<b>1</b> Track gauge	2032 mm	2286 mm	2286 mm	2286 mm
<b>2</b> Width of tractor				
Over trunnions	2950 mm	—	3480 mm	—
Without trunnions (std. track)	2794 mm	2997 mm	3193 mm	3150 mm
<b>3</b> Machine height from tip of grouser:				
Stack	3126 mm	3126 mm	3176 mm	3176 mm
ROPS	3169 mm	3169 mm	3219 mm	3219 mm
Premium Light Package	3310 mm	3310 mm	3360 mm	3360 mm
<b>4</b> Length of track on ground	2840 mm	2840 mm	3250 mm	3250 mm
<b>5</b> Length of basic tractor	3860 mm	3860 mm	4247 mm	4247 mm
With following attachments add:				
Drawbar	182 mm	182 mm	216 mm	216 mm
Ripper Multi-Shank (tip at ground line)	1370 mm	1370 mm	1370 mm	1370 mm
Winch	517 mm	517 mm	397 mm	397 mm
S Blade	—	—	1168 mm	—
SU Blade + SU Blade Narrow (Europe only)	1271 mm	—	—	—
A Blade	1405 mm	—	1475 mm	—
VPAT Blade	—	1504 mm	—	1412 mm
<b>6</b> Height of grouser	65 mm	65 mm	65 mm	65 mm
<b>7</b> Ground clearance				
Track pitch	203 mm	203 mm	203 mm	203 mm
Number of shoes per side	41	41	45	45
Number of rollers per side	7	7	8	8
Standard shoe	760 mm	710 mm	915 mm	785 mm
Ground contact area (std. track)	4.31 m <sup>2</sup>	4.03 m <sup>2</sup>	5.95 m <sup>2</sup>	5.10 m <sup>2</sup>
Ground pressure*	43.9 kPa	52.0 kPa	33.5 kPa	42.8 kPa
<b>8</b> Drawbar height				
From ground face of shoe	576 mm	576 mm	626 mm	626 mm

\* XL and XW with SU blade, LGP with S blade with no rear attachments unless otherwise specified and calculated per ISO 16754.



# D6T Track-Type Tractor Standard Equipment

## Standard Equipment

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

### POWERTRAIN

- C9.3 ACERT diesel engine
  - Meets EPA/ARB Tier 4 Interim and EU Stage IIIB emission standards
- Air cleaner, precleaner with strata tube dust ejector
- Air filter with Electronic Service Ind.
- Aftercooler, Air to Air (ATAAC)
- Coolant, extended life
- Fan, sucker, hydraulic
- Final drives, three planet single reduction planetary
- Fuel priming pump, electric
- Parking brake, electronic
- Prescreener
- Radiator, aluminum bar plate
- Shift management
  - automatic directional and downshift
  - controlled throttle, load compensated
- Starting aid, ether, automatic
- Torque divider
- Transmission, electronically controlled powershift 3F/3R speeds
- Turbocharger
- Water separator

### UNDERCARRIAGE

- SystemOne
- Carrier rollers
- Clamp master link
- 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, two 10 amp 12V outlets
- Connector, diagnostic
- Electric start, 24V
- Horn, forward warning

### OPERATOR ENVIRONMENT

- Air conditioner, underhood
- Armrest, adjustable
- Cab, ROPS/FOPS, sound suppressed
- Decelerator pedal
- Electro-hydraulics implement and steering controls
- Five gauge cluster (engine coolant, powertrain oil, hydraulic oil, fuel level and engine RPM display/gear display)
- Foot pads, dash
- Heater
- Hour meter, electronic
- Mirror, rearview
- Multi Velocity Program (MVP), 5-speed includes Eco Reverse
- 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
- Ground level service center with remote electrical disconnect and secondary shutdown switch
- Hood, perforated
- Hydraulics, independent steering and work tool and fan pumps
- Hydraulics, load sensing, dozer lift and tilt
- Oil cooler, hydraulic
- Product Link ready
- Radiator doors, louvered, hinged
- S·O·S<sup>SM</sup> sampling ports
- Vandalism protection allowance for fluid compartments and battery box

# D6T Track-Type Tractor Optional Equipment

## Optional Equipment

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

### POWERTRAIN

- Drains, ecology, powertrain
- Fan, auto reversing
- Oil change system, powertrain
- Fuel system, fast fill
- Precleaner turbine with screen
- Thermal shield including insulated CEM

### UNDERCARRIAGE

- Heavy duty undercarriage arrangements
  - XL machines
  - XW machines
  - LGP machines
  - XL VPAT machines
  - XW VPAT machines
  - LGP VPAT machines
- Track Pairs (XL VPAT Roller Frame, 41 Section)
  - Extreme Service (SystemOne) 560 mm
- Track Pairs (XL Non-VPAT Roller Frame, 41 Section)
  - Moderate Service (SystemOne) 610 mm
  - Moderate Service (HD) 610 mm
  - Moderate Service (HD) 560 mm
  - Extreme Service (HD) 610 mm, Trapezoidal
- Track Pairs (XW Non VPAT Roller Frame, 41 Section)
  - Extreme Service (HD) 760 mm
  - Extreme Service (SystemOne) 760 mm, Center Hole
  - Extreme Service SystemOne 710 mm
- Track Pairs (LGP VPAT Roller Frame, 45 Section)
  - Moderate Service (HD) 790 mm, Offset
  - Moderate Service (HD) 915 mm
  - Extreme Service (HD) 760 mm
  - Extreme Service (SystemOne) 915 mm
- Track Pairs (LGP Non VPAT Roller Frame, 45 Section)
  - Extreme Service (HD) 915 mm, Trapezoidal
  - Extreme Service (HD) 760 mm
- Track Pairs (XL Fine Grading)
  - Moderate Service (SystemOne) 610 mm

### HYDRAULICS

- Control arrangement – ripper (NON-VPAT)
- Control arrangement – ripper (VPAT)
- Control arrangement – winch
- Control arrangement – ripper/winch
- Control arrangement – hydraulic implement towing

### STARTERS, BATTERIES AND ALTERNATORS

- Alternator, 150 amp
- Alternator, 150 amp, ducted
- Heater, engine coolant, 120V
- Starter, heavy duty

### ELECTRICAL

- Lights 6, basic
- Lights 10, premium

### OPERATOR ENVIRONMENT

- Air conditioner, ROPS mounted
- Camera, rear vision
- Handles, heavy duty
- Handles, heavy duty VPAT

### TECHNOLOGY PRODUCTS

- AccuGrade Ready, cab

### GUARDS

- Guard, rear tractor
- Guard, final drive, clamshell
- Guard, final drive seals
- Guard, idler seals
- Heavy duty guard package
- Hitch, front
- Screen, rear cab
- Sweeps package
- Towing device, pull-hook

### TRACK GUIDING GUARD ARRANGEMENTS (SystemOne)

- Guide, track, moderate service
- Guide/guard, track, full length

### OTHER ATTACHMENTS

- Counterweights and drawbars
- Counterweight, rear
- Counterweight, rear slab
- Counterweight, additional
- Drawbar, rigid short
- Drawbar, rigid long
- Refueling pump

### WINCH ARRANGEMENTS

- PA56 winch package, standard speed
- PA56 winch package, slow speed
- Fairlead, 3 rollers
- Fourth roller

### BLADES

- VPAT XL Bulldozer
- VPAT XW Bulldozer
- VPAT LGP Bulldozer
- 6SU XL
- 6 SU XL Narrow (Not available in all territories)
- 6SU XL, Landfill
- 6SU XW
- 6SU XW, Landfill
- 6A XL
- 6A XW
- 6A LGP
- 6S LGP
- 6S LGP, Landfill

### GROUND ENGAGING TOOLS

- Ripper, multi-shank
- Tooth, multi-shank ripper

### MISCELLANEOUS

- Seal group
- Seal group – VPAT









# D6T Track-Type Tractor

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](http://www.cat.com).

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Product ID: D6T

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(Europe and Countries Applying  
EU Emissions Regulations)

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