

D11T/D11T CD

Track-Type Tractor

CATERPILLAR®



Engine

Engine Model	Cat® C32 ACERT™	
Flywheel Power	634 kW	850 hp

Weights

Operating Weight	104 590 kg	230,581 lb
Shipping Weight	74 418 kg	164,063 lb
Operating Weight – CD	113 000 kg	249,122 lb
Shipping Weight – CD	75 455 kg	166,350 lb

D11T/D11T CD Features

C32 Engine with ACERT Technology

US EPA Tier 2 certified, optimizes engine performance and provides low exhaust emissions.

Drive Train

Electronically controlled powershift transmission, efficient clutch/brake steering and durable planetary final drives deliver outstanding power transfer and longer life.

Operator Station

Designed for operator comfort, convenience, and productivity. Machine controls and displays are all at the operator's fingertips to maximize operator productivity.

Serviceability and Customer Support

Combine easy access and modular components with the Cat Dealer repair and rebuild capability ensures rapid machine repair and minimum downtime.

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Strength from the past. Power for the future. The D11T/D11T CD combines power and efficiency with advanced technology for outstanding production at a lower cost-per-yard.

The rugged, easy-to-service Cat® C32 ACERT™ engine powers the D11T. Twin turbochargers and air-to-air aftercooling provides high horsepower while keeping exhaust temperatures cool.

C32 with ACERT™ Technology

Optimizes engine performance and meets emission regulations.

C32 Engine

Performing at full rated net power of 634 kW (850 hp) at 1,800 rpm with a high torque rise of 21 percent, the large displacement and high torque allow the D11T to doze through tough material. Matched to the high efficiency torque divider and electronically controlled power shift transmission, it will provide years of dependable service.

ADEM™ A4 Engine Controller

The ADEM A4 electronic control module manages fuel delivery and air flow to get the best performance per liter (gallon) of fuel used. It provides flexible fuel mapping, allowing the engine to respond quickly to varying application needs.

MEUI Fuel System

A highly evolved fuel system with a proven record of reliability in the field. MEUI combines the technical advancement of an electronic control system with the simplicity of direct mechanically controlled unit fuel injection. The MEUI system excels in its ability to control injection pressure over the entire engine operating speed range. These features allow the C32 to have complete control over injection timing, duration, and pressure.

Air-to-Air Aftercooling

Provides cooled compressed air to the engine intake manifold; reducing emissions and maximizing fuel efficiency.

Overhead Cams

Two, single (one per head) overhead cams are driven by gears on the flywheel end of the engine. Placing the cam gears at the flywheel end significantly reduces noise and vibration. To reduce wear, two pendulum absorbers are mounted at the front of the camshafts. Together, these two features contribute to the long-life and durability of this engine.

Steel Spacer

Located between the block and head to eliminate the need for block counterbores, and extend block life.

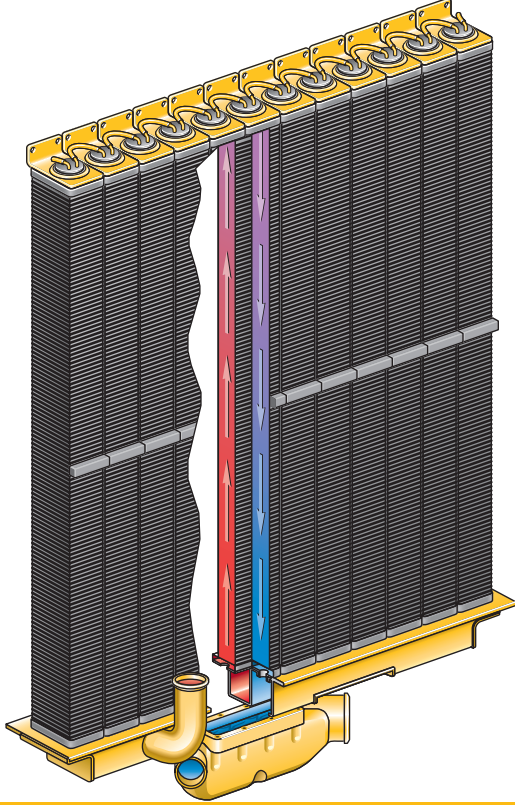
Hardened-Faced Valves

Through-hardened crankshaft journals and steelbacked, copper-bonded aluminum bearings, help assure reliable performance in the toughest duty.

Components Life

Oil-cooled pistons and full-length water cooled cylinder liners provide maximum heat transfer, and utilize additional coolant passages to provide maximum cooling to the engine.





Cooling System

Superior cooling in the most demanding work conditions.

Two-Pass Cooling System

The AMOCS radiator provides more efficient heat exchange. The coolant is routed from a sectioned bottom tank up the front side, over the top of the core, and down the engine side of the core to the bottom tank. This flow pattern allows the coolant to pass through the radiator twice for better cooling.

Hydraulically Variable, Demand Fan

Provides engine cooling capability that is matched to the ambient conditions. In cooler conditions, the fan turns at a slower speed, reducing power demands. This frees up more power in high load factor operations or reduces fuel consumption in lower load factor operations. Low speed fan operation also reduces both operator and spectator sound levels.

Attachments

- Low speed option for cold weather applications
- High ambient radiator option
- Reversible cooling fan and radiator option for heavy debris applications

Easy Serviceability

Servicing of the AMOCS can be performed without tilting the radiator guard. Each core module can be replaced individually (without removing the entire radiator), saving considerable cost and repair time.

Implement and Steering Controls

Reduced operator fatigue for increased performance.

Dozer Control Lever

A low-effort electronic dozer control handle gives the operator control of all dozer functions with one hand. Fore/aft movement of the lever lowers and raises the blade. Left/right movement directionally tilts the blade. Blade response and blade float can be set/adjusted using the Advisor Panel.

The thumb lever at the top of the handle, controls blade pitch fore and aft. The trigger switch pitches the blade forward to dump the load.

The two thumb buttons to the left of the implement control provide control over the semi-automated blade pitch functions that Dual Tilt provides. Blade pitch for load, carry and spread segments can be preset on Advisor and controlled by the buttons.

Electronic Ripper Control

A rigidly mounted handgrip provides firm support for the operator even when ripping in the roughest terrain. The low effort thumb lever controls raising and lowering. The finger lever controls shank-in and shank-out positioning. Programmable features, such as Auto Lift, Shank-Out and Auto Stow, increase operator efficiency.

Finger Tip Controls (FTC)

Clustered for easy, one-handed operation to the operator's left. They control steering, machine direction and gear selection.

AutoCarry (optional)

Provides automatic blade control during the carry segment of the dozing cycle. AutoCarry is intended to enhance the operator's productivity in high production earthmoving with carry distances over 30.5 m (100 ft). By monitoring ground speed with the belly-mounted radar gun, the auto carry system controls blade load to maintain approximately 2.4 km/h (1.5 mph) true ground speed. Through the system's Dynamic Inclination Sensor, readouts of the tractor pitch angle and side-to-side scope are available on Advisor.

Computer Aided Earthmoving System (CAES) (optional)

This on-board electronic site plan directs machine operators, in real-time, where to cut and fill. A graphical map of the design plan and a view of the machine's horizontal and vertical position simplify operation and enhance production.

GPS technology (centimeter-level) and in-cab computing capabilities combine for precise grade and slope control. Ideal applications include benches, roads, leach pads, dump areas, and reclamation sites.





Operator Station

Designed for operator comfort, convenience, and productivity.

Operator Controls

Power train and implement controls are conveniently placed for low operator fatigue and ease of control.

Cat Monitoring Display System

The combination dash mounted instrument cluster and the Advisor Monitoring System provide key machine operating information and give the operator and service technician insight into the machine's operation and maintenance needs.

Wide Panoramic View

A large view hole in the single-shank ripper frame provides a view of the ripper tip. The tapered hood, notched fuel tank, and narrow ripper carriage gives the operator a clear line of sight to front and rear work areas. The single-pane door windows provide an excellent view to the sides and blade.

Fuse Panel and Diagnostic Access

The operator compartment features a single location fuse panel that includes a diagnostic port for Cat Electronic Technician to connect for rapid machine diagnostics.

Comfortable Operation

Standard isolation-mounted cab reduces noise and vibration. The Cat Comfort Series Seat is fully adjustable and designed for comfort and support. Conveniently located air circulation vents evenly distribute airflow within the cab.

Drive Train

Provides maximum efficiency in combination with the Cat C32 engine.

Torque Divider

A single-stage torque converter with output torque divider sends 75 percent of engine torque through the converter and 25 percent through a direct drive shaft for greater driveline efficiency and higher torque multiplication. The torque converter shields the driveline from sudden torque shocks and vibration.

Planetary Power Shift Transmission

Three speeds forward and three speeds reverse, utilizing large diameter, high-capacity, oil-cooled clutches.

- Modulation system permits fast speed and direction changes.
- Modular transmission and bevel gear slide into rear case for servicing ease, even with ripper installed.
- Oil-to-water cooler for maximum cooling capacity.
- Forced oil flow lubricates and cools clutch packs to provide maximum clutch life.
- Controlled throttle shifting regulates engine speed during directional shifts for smoother operation and longer component life.

Steering Clutch and Brake

Fade resistant and adjustment free. The multi-disc, oil-cooled steering clutches are hydraulically applied and electronically controlled. The brakes are applied by springs and hydraulically released for safe and reliable braking performance.

Drawbar Pull vs. Ground Speed

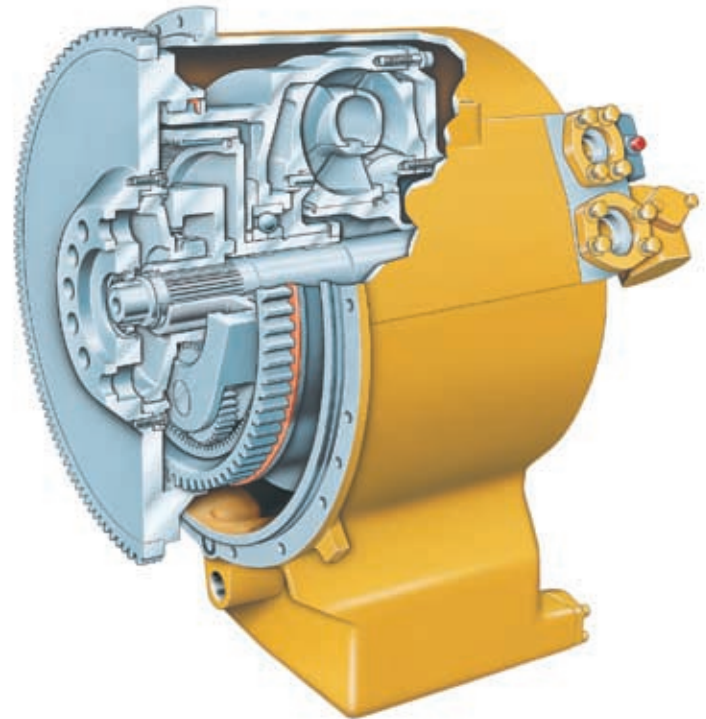
As loads on the tractor increase, the D11T offers unmatched lugging capability and smooth shifting as the need occurs to change gears under varying loads. The 3-speed forward, 3-speed reverse transmission offers excellent runout speeds.

Elevated Final Drives

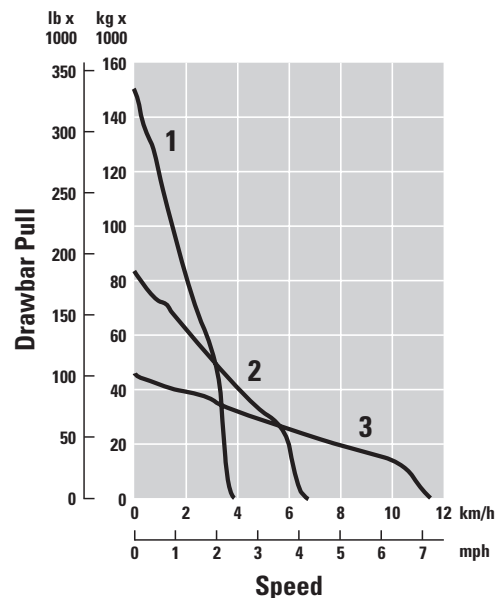
Isolated from ground and equipment induced impact loads for extended power train life. Crown-shaved drive gears provide smooth, quiet, low maintenance operation. Splash lubrication and Duo-Cone™ Seals extend service life.

Modular Power Train

The design permits quick removal and installation of major components such as the engine, transmission and final drives.



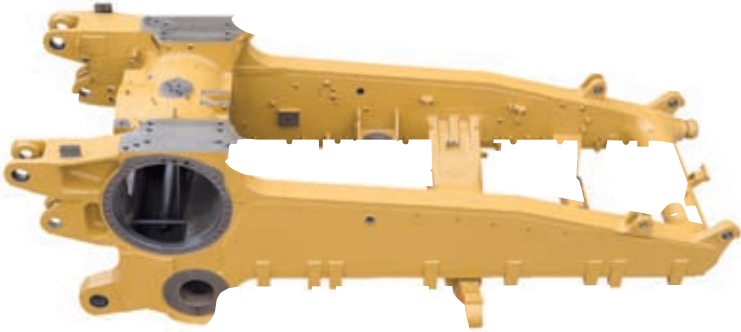
D11T/D11T CD Drawbar Pull



- 1 – 1st Gear
- 2 – 2nd Gear
- 3 – 3rd Gear

Structure

Engineered for maximum production and service life.



Mainframe Strength

The D11T and D11T CD mainframes are built to absorb high impact shock loads and twisting forces of severe dozing and ripping. The two frames share the following features:

Frame Rails

Full box section design keeps components rigidly aligned.

Heavy Steel Castings

Strengthen the main case, equalizer bar saddle, front cross member and tag-link trunnion.

Top and Bottom Rails

Made from continuous rolled sections to eliminate welds and machining, which provide superior mainframe durability.

Main Case

Elevates the final drives well above the ground level work area to protect them from impact loads, abrasion and contaminants. Features one-piece cast case with ripper and ROPS mounting. Oil reservoir included in one-piece cast casting.

Pivot Shaft

The pivot shaft and pinned equalizer bar maintain track roller frame alignment.

Heavy Cast Saddle

Ribbed design increases frame life.

Engine and Radiator Guard Mount

The common front engine and radiator mount feature heavy castings.

CarryDozer Frame

The CarryDozer frame is specifically designed for carrying material long distances. The taller front end accepts additional frame loads generated by the unique CarryDozer blade design.

Tag-Link

Reduces wear and brings the blade closer to the machine for more precise dozing and load control. The Tag-Link design provides solid lateral stability and better cylinder positions for constant break out force, independent of blade height.





Undercarriage

Designed for optimized machine balance and best performance.

Suspended Undercarriage Design

Absorbs impact loads to reduce the shock loads transferred to the undercarriage by up to 50%.

Bogie Suspension

Providing up to 15 percent more ground contact, especially in hard, uneven terrain. Higher traction means less slippage, better balance, and a smoother ride.

Integrated Carrier Roller Mount

Fabricated into the track roller frame making it easier to add the optional carrier roller in the field.

Rollers and Idlers

Feature symmetric Duo-Cone seals for long sealing life to prevent oil loss and dirt entry. Toric rings maintain performance over a wide range of temperatures.

Roller Frames

Roller frames are tubular to resist bending and twisting, with added reinforcement.

Sleeve Bearing Track

A unique track link assembly that maximizes life and minimizes downtime. Designed to operate at higher speeds and greater loads.

Sprocket Segments

Five bolt-on replaceable rim segments of abrasion resistant tough steel for long wear life.

Track Shoes

Track shoes are available in a variety of sizes and styles to match working conditions.

Work Tools

Provide flexibility to match the machine to the job.



Bulldozers

All blades feature a strong box-section design that resists twisting and cracking. Blades are made of Cat DH-2™ steel that has high tensile strength and stands up to the most severe applications. Heavy moldboard construction and hardened bolt-on cutting edges and end bits add strength and durability.

- Semi-Universal Blade – Built for tough applications where penetration is more important than capacity.
- High-Capacity Universal Blade – Offers maximum capacity for moving big loads over long distances.
- CarryDozer Blade – Carries material inside the blade curvature, rather than pushing it. This increases the effective weight of the tractor, enabling larger loads in front of the blade and enhancing operation on steeper slopes. These two effects combine to maximize productivity.
- Dual Tilt – Improves load control and allows the operator to optimize blade pitch angle.
- Cutting Edges and End Bits – Cutting edges are made of DH-2 steel. End bits are made of DH-3™ steel for maximum service life.
- Abrasion Versions – These versions of the “SU” blade and “U” blade extend blade life. Abrasion blades come with rock guards, wear plates and extended wear life cutting edges and end bits.
- Cat work tools offer a range of special application blades.

Rippers

- Multi-Shank Ripper – Tailors the tractor to the material by using one, two or three shanks.
- Single-Shank Ripper – Operator can adjust the shank depth from the seat using an optional single-shank pin puller. Large one-piece shank is available in deep ripping configuration.

Hydraulic Pitch Adjustment Cylinders

Hydraulic pitch adjustment cylinders vary the shank angle to get the best penetration.

Rear Counterweights

Provide proper tractor balance to maximize dozing production. Recommended if not equipped with any other rear attachment.



Safety

Cat mining machines and systems are designed with safety first.

Product Safety

Caterpillar continues to be proactive in developing mining machines that meet or exceed safety standards. Safety is an integral part of all machine and systems designs.

ROPS and FOPS

The structure is designed to carry loads directly into the tractor main frame and protect the operator.

Access/Egress

An attachment rear walkway equipped with grab irons and steps, provides access to rear lights, rear and side windows. A hydraulically actuated access ladder is available, for easier machine access and egress.

Visibility

An attachment visibility arrangement including WAVS rear vision cameras are available.

Electrical System Lockout/Tagout

A disconnect switch is available to shut off all machine electrical power. Another disconnect switch shuts off the ability to engage the starter, while keeping main power available for diagnostics and troubleshooting.

Lighting

Standard HID lighting provides superior illumination around the machine for night operations. The 35 watt HID lamps provide lighting equivalent to 4 Halogen lamps, without producing significant glare. Two under-hood service lamps illuminate the engine compartment for easy night service. The fender lights will stay on for a 10 minute period after key off to allow the operator to safely egress the machine at night.

SAFETY.CAT.COM™



Serviceability

The most serviceable machines from the most committed dealers.

Serviceability

Minimizes maintenance and repair downtime. New sight gauges, filter locations, improved access to oil and coolant sampling ports, and an engine compartment mounted work lamp, make daily and periodic service faster and easier. Equipped with a dozer and ripper, there are only 18 lube points.

Engine Oil Filters

Engine oil filters are located on the engine for easy servicing access and minimal downtime. Further time is saved with fast fuel and quick oil change attachments.

Quick Disconnect Fittings

Allow for fast diagnosis of the power train, hydraulics and attachment oil systems.

S•O•SSM Analysis

Scheduled Oil Sampling made easier through live sampling ports for the engine oil, hydraulics and coolant.

Cat Product Link

Product Link allows the customer or dealer to obtain machine diagnostics and location information from their offices. It provides updates on service meter hours, machine condition and machine location, as well as integrated mapping/route planning. Built-in flexibility allows for future technology development.

Customer Support

The Cat Dealer network keeps your fleet up and running.

Machine Selection

Make detailed comparisons of the machines you are considering before you buy. How long do components last? What is the cost of preventive maintenance? What is the true cost of lost production? Your Cat Dealer can give you answers to these very important questions.

Purchase

Consider the financing options available as well as day-to-day operating costs. This is also the time to look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over the long run.

Product Support

Plan for effective maintenance before buying equipment. Choose from your dealer's wide range of maintenance services at the time you purchase your machine. Programs such as Custom Track Service (CTS), S•O•S analysis, Technical Analysis and guaranteed maintenance contracts give peak life and performance to your machine.

Parts Program

You will find nearly all parts at your dealer parts counter. Cat Dealers use a world-wide computer network to find in-stock parts to minimize machine downtime.

Ask about your Cat Dealer's exchange program for major components. This can shorten repair time and lower costs.

Remanufactured Components

Genuine Cat Remanufactured parts save you money. You receive the same warranty and reliability as new products at cost savings of 40 to 70 percent. Components are available for the drive train, engine, and hydraulics.

Operation

Improving operating techniques can boost your profits. Your Cat Dealer has training videotapes, literature, and other ideas to help you increase productivity.

Replacement

Repair, rebuild or replace? Your Cat Dealer can help you evaluate the costs involved so you can make the right choice.



D11T/D11T CD Track-Type Tractor Specifications

Engine

Engine Model	Cat® C32 ACERT™	
Net Power		
EU 80/1269	634 kW	850 hp
Bore	145 mm	5.71 in
Stroke	162 mm	6.4 in
Displacement	32.1 L	1,959 in ³
Gross Power		
SAE J1995	698 kW	936 hp
ISO 14396	674 kW	904 hp
Net Power		
SAE J1349/ ISO 9249 Min Fan	669 kW	897 hp
SAE J1349/ ISO 9249	634 kW	850 hp

- Engine ratings apply at 1,800 rpm.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan at max speed (unless otherwise noted), air cleaner, muffler, and alternator.
- No derating required up to 3658 m (12,000 ft) altitude. High altitude attachment available for greater than 3658 m (12,000 ft).

Service Refill Capacities

Fuel Tank	1609 L	425 gal
Fuel Tank – high capacity	1911 L	505 gal
Cooling System	269 L	71.1 gal
Engine Crankcase*	103 L	27.2 gal
Power Train	344 L	90.9 gal
Final Drives (each)	40 L	10.6 gal
Roller Frames (each)	94 L	24.8 gal
Pivot Shaft Compartment	71 L	18.8 gal
Implement Hydraulic System Tank Only	223 L	58.9 gal

*With oil filters.

Weights

Operating Weight	104 590 kg	230,581 lb
Shipping Weight	74 418 kg	164,063 lb
Operating Weight – CD	113 000 kg	249,122 lb
Shipping Weight – CD	75 455 kg	166,350 lb

- D11T Operating Weight: Includes hydraulic controls, blade tilt cylinders, coolant, lubricants, 100% fuel, ROPS, FOPS cab, 11U ABR bulldozer, single-shank ripper with pin-puller, fast fuel, engine doors, 710 mm (32 in) ES shoes, and operator.
- D11T Shipping Weight: Includes coolant, lubricants, 20% fuel, ROPS, FOPS cab.
- D11T CD Operating Weight: Includes lubricant, coolant, full fuel tank, hydraulic controls and fluids, 915 mm (36 in) extreme service shoes, 11 CarryDozer, single-shank ripper and operator.
- D11T CD Shipping Weight: Includes lubricants, coolant, 20% fuel and ROPS with FOPS cab.

Undercarriage

Shoe Type	Extreme Service	
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	675 mm	26.6 in
Track Gauge	2896 mm	114 in
Length of Track on Ground	4444 mm	175 in
Ground Contact Area	6.3 m ²	9,765 in ²
Ground Contact Area – CD	8.1 m ²	12,555 in ²
Track Rollers/Side	8	
Number of Carrier Rollers	1 per side (optional)	

- Positive Pin Retention Track.

Track Roller Frame

Oscillation	351 mm	13.8 in
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Hydraulic Controls

D11T		
Pump Type	Gear-type pump	
Pump Output (Implement)	620 L/min	164 gal/min
Tilt Cylinder Flow	155 L/min	41 gal/min
Bulldozer Relief Valve Setting	22 750 kPa	3,300 psi
Tilt Cylinder Relief Valve Setting	24 300 kPa	3,525 psi
Ripper (Lift) Relief Valve Setting	22 750 kPa	3,300 psi
Ripper (Pitch) Relief Valve Setting	22 750 kPa	3,300 psi

D11T CD

Pump Type – CD	Gear-type pump	
Pump Output (Implement) – CD	670 L/min	177 gal/min
Tilt Cylinder Flow – CD	250 L/min	66 gal/min
CarryDozer Relief Valve Setting	24 135 kPa	3,500 psi
Tilt Cylinder Relief Valve Setting – CD	24 825 kPa	3,600 psi
Ripper (Lift) Relief Valve Setting – CD	24 135 kPa	3,500 psi
Ripper (Pitch) Relief Valve Setting – CD	24 135 kPa	3,500 psi

- 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.
- Complete system consists of pump, tank with filter, oil cooler, valves, lines, linkage and control levers.

Steering and Brakes

Hydraulically applied multiple-disc Steering Clutch	440 mm	17.3 in
Spring applied multiple-disc Brake	612 mm	24.1 in

Transmission

1 Forward	3.9 km/h	2.4 mph
2 Forward	6.8 km/h	4.2 mph
3 Forward	11.8 km/h	7.3 mph
1 Reverse	4.7 km/h	2.9 mph
2 Reverse	8.2 km/h	5.1 mph
3 Reverse	14 km/h	8.7 mph
Type	planetary powershift	
Transmission Clutch Diameter	533 mm	21 in

Standards

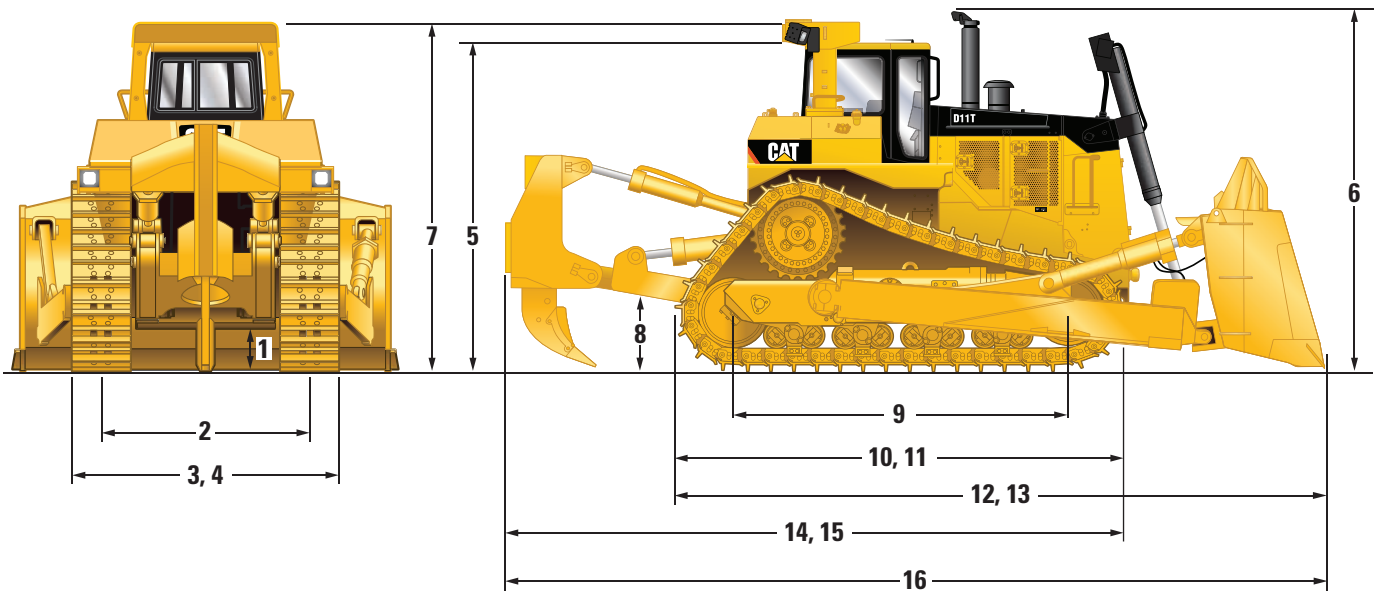
ROPS/FOPS

- Rollover Protective Structure (ROPS) meets the following criteria: SAE J1040 MAY94, ISO 3471-1:1994.
- Falling Objects Protective Structure (FOPS) meets the following criteria: ISO 3449:1992 LEVEL II.
- The operator Equivalent Sound Pressure Level (Leq) is 79 dB(A) when ISO 6396:2008 is used to measure the value for an enclosed cab. This is a dynamic cycle sound exposure level. The cab was properly installed and maintained. The test was conducted with the cab doors and the cab windows closed.
- The exterior sound pressure level for the standard machine measured at a distance of 15 meters according to the test procedures specified in SAE J88 APR95, mid-gear-moving operation, is 87 dB(A).

D11T/D11T CD Track-Type Tractor Specifications

Dimensions

All dimensions are approximate.



	D11T		D11T CD	
	mm	in	mm	in
1 Ground Clearance	675	26.6	675	26.6
2 Track Gauge	2896	114.0	2896	114.0
3 Width without Trunnions (Standard Shoe)	3782	148.9	3806	149.8
4 Width over Trunnions	4379	172.4	4379	172.4
5 Height (FOPS Cab)	4394	173.0	4394	173.0
6 Height (Top of Stack)	4808	189.3	4808	189.3
7 Height (ROPS/Canopy)	4698	185.0	4698	185.0
8 Drawbar Height (Center of Clevis)	932	36.7	932	36.7
9 Length of Track on Ground	4444	175.0	4444	175.0
10 Overall Length Basic Tractor	6160	242.5	6160	242.5
11 Length Basic Tractor with Drawbar	6160	242.5	6160	242.5
12 Length with SU-Blade*	8579	337.8	8765	345.1
13 Length with U-Blade	8641	340.2	—	—
14 Length with Single-Shank Ripper	8107	319.2	8107	319.2
15 Length with Multi-Shank Ripper	8427	331.8	8427	331.8
16 Overall Length SU-Blade and SS Ripper	10 525	414.4	10 712	421.7

* CD Blade on D11T CD.

Note: D11T shown equipped with 710 mm (28 in) shoes. D11T CD shown equipped with 915 mm (36 in) shoes.

D11T Bulldozer

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

Blade		11SU ABR	11U ABR	11CD
Blade capacity (SAE J1265)	m ³	27.2	34.4	43.6
	yd ³	35.6	45.0	57.0
Width with blade (over end bits)	mm	5580	6335	6706
	in	219.7	249.4	264.0
Blade height	mm	2753	2828	2955
	in	108.4	111.3	116.3
Digging depth				
Rack back	mm	—	—	688
	in	—	—	27.1
Nominal	mm	766	766	—
	in	30.2	30.2	—
Full dump	mm	—	—	1708
	in	—	—	67.2
Ground clearance				
Rack back	mm	—	—	1846
	in	—	—	72.7
Nominal	mm	1533	1533	—
	in	60.4	60.4	—
Full dump	mm	—	—	307
	in	—	—	12.1
Maximum tilt	mm	1184	1344	1800
	in	46.6	52.9	70.9
Weight*	kg	16 192	18 823	23 600
	lb	35,697	41,498	52,029
Total operating weight** (with blade and single-shank ripper)	kg	101 955	104 590	113 000
	lb	224,772	230,581	249,122

* Does not include hydraulic controls but includes blade cylinders.

** D11T includes blade and single-shank ripper, hydraulic controls, blade cylinders, coolant, lubricants, full fuel tank, 810 mm (32 in) shoes, ROPS, FOPS cab, and operator. D11T 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.

D11T/D11T CD Track-Type Tractor Specifications

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.

		D11T			D11T/D11T CD	D11T CD
		Single-shank	Single-shank Deep Ripping Arrangement	+ Multi-shank Arrangement	Single-shank	+ Multi-shank Arrangement
Overall beam width	mm	—	—	3330	—	3330
	in	—	—	131.1	—	131.1
Maximum penetration force* (shank vertical)	kN	288	292	277	326	306
	lb	64,745	65,644	62,272	73,288	68,792
Maximum penetration (standard tip)	mm	1612	2172	1070	1612	1070
	in	63.5	85.5	42.1	63.5	42.1
Pryout force (multi-shank ripper with one tooth)	kN	660	657	646	642	650
	lb	148,374	147,700	145,227	144,327	146,126
Maximum clearance raised (under tip, pinned in bottom hole)	mm	1115	878	1137	1115	1137
	in	43.9	34.6	44.8	43.9	44.8
Number of shank holes		4	3	2	4	2
Weight (without hydraulic controls)	kg	9643	10 022	9698	12 733	12 025
	lb	21,259	22,095	21,380	28,071	26,511
		with 11U ABR blade and ripper			with 11CD blade and ripper	
Total operating weight**	kg	104 590	104 970	104 485	113 000	112 521
	lb	230,581	231,419	230,350	249,122	248,066

* Specifications are converted from British to metric measure and rounded.

** D11T includes blade and single-shank ripper, hydraulic controls, blade cylinders, coolant, lubricants, full fuel tank, 810 mm (32 in) shoes, ROPS, FOPS cab, and operator. D11T 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.

+ Includes one shank. Add 671 kg (1,479 lb) for each additional shank.

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

Standard equipment may vary. Consult your Cat dealer for details

ELECTRICAL

Alternator, 95-amp
Back up alarm
Batteries, 12-volt (4), 200 amp-hour
Converter, 12-volt, 10 amp
Converter, 12-volt, 15 amp
Diagnostic connector
Horn, forward warning
Light, engine compartment
Lighting system, 5 HID/6 Halogen
Starting receptacle

OPERATOR ENVIRONMENT

Advisor – electronic monitoring system
Air conditioning
Armrest, adjustable
Cab, FOPS
Deactivation switch, hydraulic controls
Decelerator, pedal
Finger Tip Control (FTC) steering
Governor switch, electronic
Heater and ventilation
Hydraulic system, electronically controlled for bulldozer control
Mirror, rearview
Radio ready
ROPS rollbar
Seat, air suspension
Seatbelt, retractable 76 mm (3 in)
Wipers, intermittent

POWER TRAIN

Cat® C32 with ACERT™ Technology
24-volt electric start
Advanced Modular Cooling System
Aftercooler, air-to-air
Air filters, dual with precleaner and dust ejector
Controlled throttle shifting
Coolant, extended life
Directional shift management
Ether starting aid, automatic
Fan, suction with hydraulic demand drive
Fuel priming pump, electric
Mufflers, dual, with rain cap
Quick oil change system
Parking brake, electronic
Prescreener
Separator, water/fuel
Thermal shields
Torque divider
Transmission, powershift (3F/3R speeds)
Four planet, double-reduction planetary final drives

UNDERCARRIAGE

D11T: 710 mm (28 in), D11T CD: 915 mm (36 in)
Extreme service grouser with sealed and lubricated PPR sleeve bearing track (41 section)

Rollers and idlers, lifetime lubricated
Sprocket rim segments, replaceable
Suspension-type undercarriage, eight-roller tubular track roller frame
Three bolt idler and roller caps
Track adjusters, hydraulic
Track guides
Two-piece master links

OTHER STANDARD EQUIPMENT

Auto-blade assist
CD ROM parts book
Dual-tilt blade control
Ecology drains
Engine enclosures
Fluid sampling ports
Grade control ready
Guards:
Bottom, extreme service, hinged, with front towing device
Hinged radiator
Hinged power train
Product Link
Ripper hydraulics
Vandalism, protection (8 caplocks)

D11T/D11T CD Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details

ELECTRICAL

Alternator, 150A

GUARDS

Final drive
Transmission
Undercarriage

OPERATOR ENVIRONMENT

Air conditioner (2 variations)
Visibility arrangement (camera and mirrors)
Glass:
Dual pane with precleaner
276 kPa (40 psi) with precleaner
Operators arrangement (improves comfort for smaller operators)
Seat, vinyl

POWER TRAIN

Autolube system
Arctic fan
Reversible cooling fan
Fast fuel system

High altitude arrangement

Oil renewal system
Precleaner, Turbine
Engine prelube
High debris radiator
High ambient radiator

UNDERCARRIAGE

Tracks, sleeve bearing, sealed and lubricated
810 mm (32 in) PPR Extreme service
915 mm (36 in) PPR Extreme service
Rollers
Carrier rollers, pin on
High abrasion – Track links and rollers
ARM extended life track shoe

SPECIAL ARRANGEMENTS

Cold weather arrangement

BULLDOZER ATTACHMENTS

AutoCarry system
11SU Abrasion resistant blade
11U Abrasion resistant blade

RIPPER ATTACHMENTS

Single shank (standard)
Single shank (deep)
Multi shank (standard)
Multi shank (deep)
Pin puller (single shank only)
Push block (single shank only)

OTHER ATTACHMENTS

Counterweight, rear
Heater, engine coolant (2 variations)
Sound suppression
Powered access ladder
Rear access platform
Additional capacity fuel tank
Slope and side-slope monitor
Computer Aided Earthmoving System (CAES)
Hydraulic pump screens

D11T/D11T CD Track-Type Tractor

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