D9R
Dozer

Engine		
Engine Model	Cat® 3408C	
Net Power – SAE J1349/ISO 9249	302 kW	405 hp

Weights		
Operating Weight	48 784 kg	107,550 lb
Shipping Weight	36 154 kg	79,705 lb

Helping you get more done at the lowest cost per unit of material moved.

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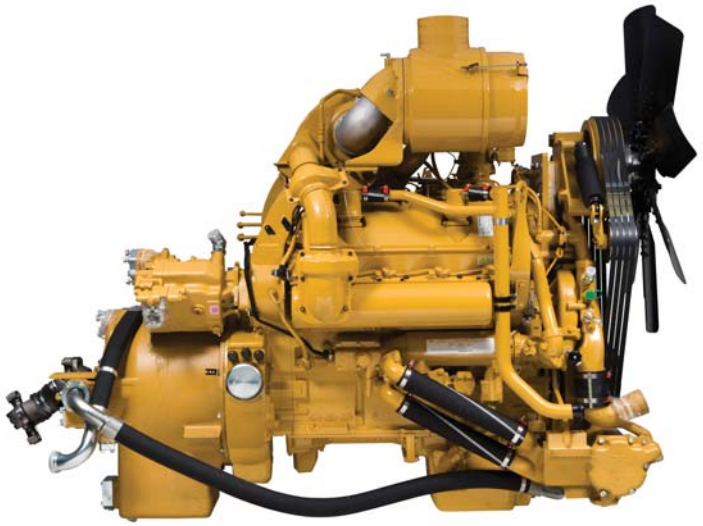
Engineered for demanding work.

The D9R's durable construction is made for tough working conditions. It keeps material moving with the reliability and low operating costs you expect from Cat dozers.

Engine

Power and reliability to help you move more.



Engine

The 3408C engine is a field proven engine that delivers excellent reliability and durability in all applications.

High Torque Rise

The 18 liter engine delivers a high torque rise, providing excellent lugging capacity to move heavier loads more efficiently.

Simplicity

The mechanically controlled engine provides easy maintenance and repair in remote areas where diagnostic tools may not be available.

High Tensile Strength Block

The 3408C block is cast from high-tensile-strength gray iron. The one piece casting is stabilized to maintain internal dimensions under all operating conditions.

Four Valve Cylinder Heads

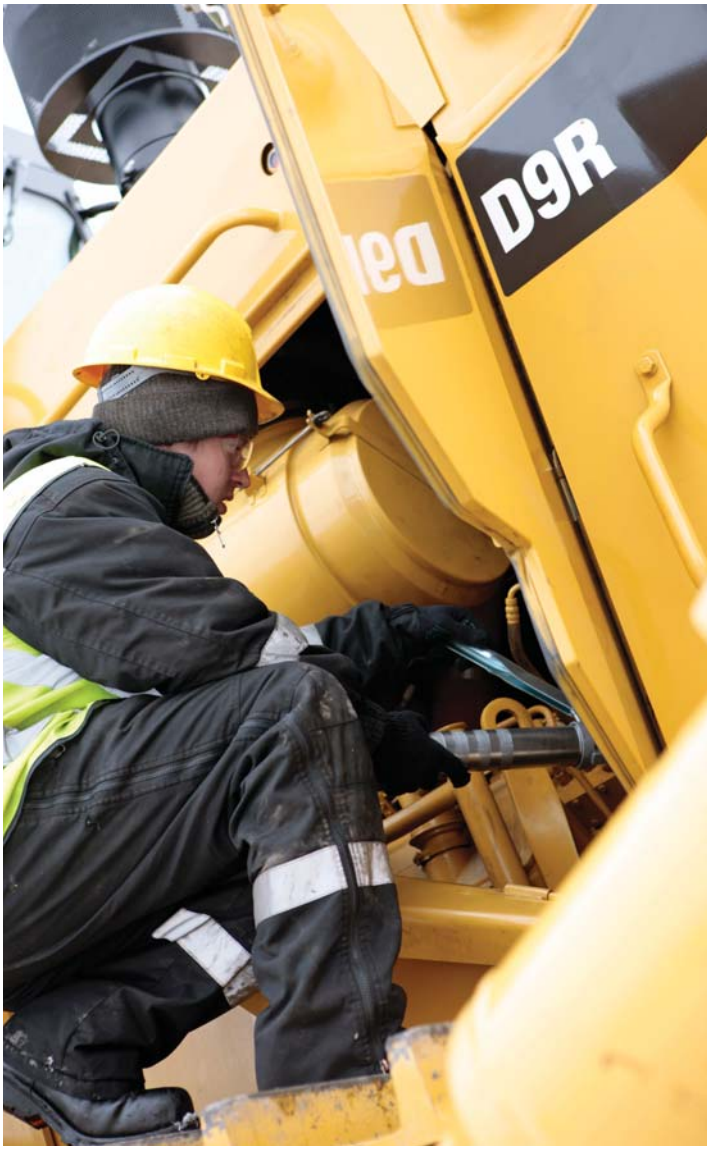
The engine uses two intake and two exhaust valves with hardened valve faces that are designed to be reground. Rotators turn the valves about three degrees each lift to distribute wear and maintain heat transfer. Valve stems are made from hardened, chrome plated steel to provide excellent wear and heat resistance.

Cooling

An internal top-deck cooling shelf increases coolant flow to the top of the cylinders for long cylinder liner and piston life. The deep-skirted lower structure and heavy internal ribbing add strength and rigidity to the block.

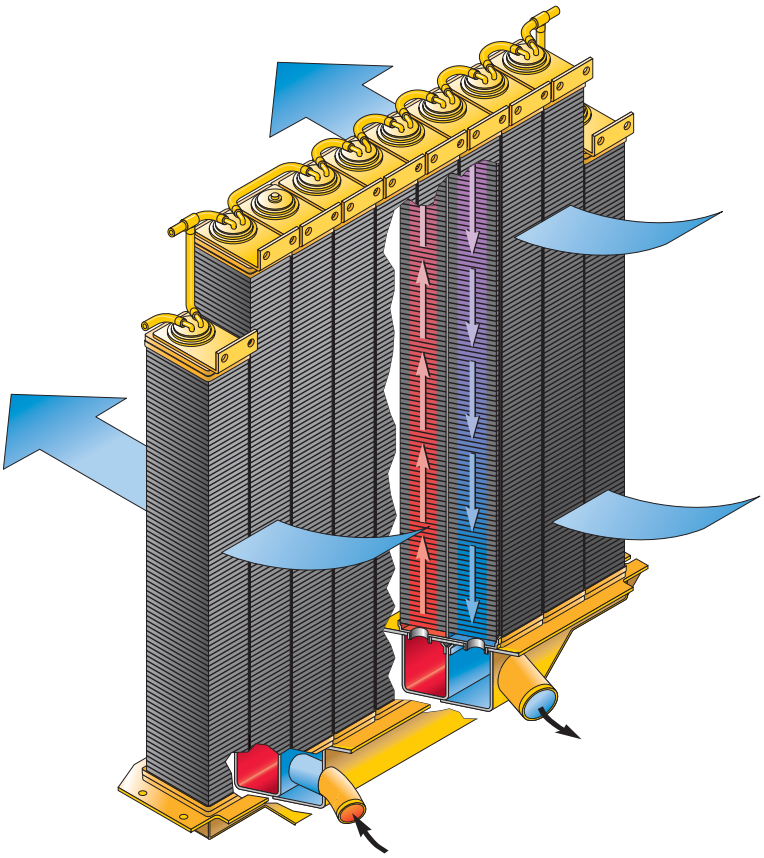
Carbon Steel Forged Crankshaft

The crankshaft is a carbon steel forging, fully heat-treated, super-finished and dynamically balanced.



Advanced Modular Cooling System

Superior cooling in the most demanding work conditions.



Two Pass Cooling System

Circulates coolant from the sectioned bottom tank up through one side of the cooling element and down through the other side returning it to the bottom tank.

Modular Design

The cooling elements are individual core modules that are connected to a sectioned bottom tank. There is no top tank to remove.

- With standard 9 steel fins per inch, a lower fin density reduces plugging.
- Brass tube construction within each core for improved reliability.
- Optional core configurations are available for high ambient and/or high wear applications.

Easy Serviceability

Servicing 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.

Protection From Leaks

To reduce the potential for coolant leaks, brass tubes are welded to a large, thick header, improving strength of the tube-to-header joint.

Attachments

In conditions with airborne abrasive materials an optional coated blower fan and sand blast grid should be used to minimize radiator damage.

Transmission

Delivers the performance you expect from a Cat machine.

Transmission

The proven Cat planetary power shift transmission operates with three speeds forward and three speeds reverse. With this design, many gears share the load as it gets transferred to the axles. In contrast, with a countershaft transmission, just one gear carries the load.

Bevel Gear Design

Helical and spiral bevel transfer gears reduce operator and spectator sound levels by design as well as location, being placed in the rear case of the machine.

Oil Cooled Clutch Packs

The transmission features large oil-cooled clutch packs that efficiently absorb the energy of directional shifts for smooth machine performance and excellent operator comfort. Proprietary F37 clutch material extends clutch life, especially in applications where extensive maneuvering is used to maintain peak machine productivity. This material also minimizes transmission oil contamination compared to materials used in other manufacturers' transmissions.

Separate Transmission Oil Reservoir

The transmission oil sump is separate from both final drive reservoirs, controlling cross contamination in the event of a failure of either system. This allows the use of modular components to maximize uptime over the life of the tractor.

Clutch/Brake Steering

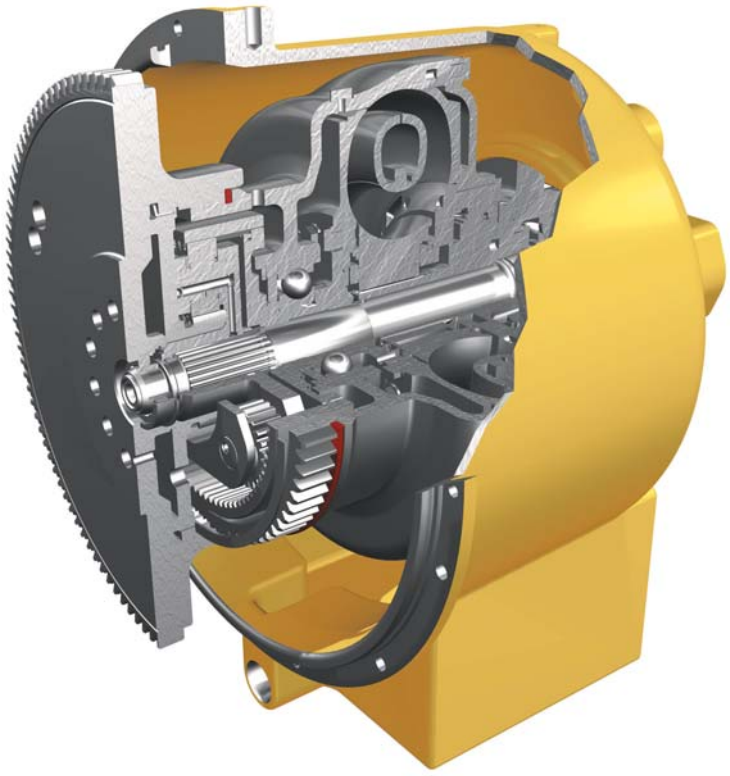
Hand levers with combined steering, control clutch disengagement and brake application for each track.

Serviceability

In terms of serviceability, the planetary transmission provides significant advantages. The modular design simplifies removal and installation. Since the bevel gears and pinions are manufactured to such a high degree of accuracy, they do not need to be lapped and mated into sets, reducing repair costs.

Torque Divider

Provides optimum operator efficiency and driveline reliability.



Torque Divider Performance

An improved single-stage torque converter sends 75% of engine torque through a converter and 25% through a direct drive shaft for greater driveline efficiency and higher torque multiplication. The torque divider provides improved efficiency and a broader range of performance in second gear dozing and scraper push loading.

Operating Efficiency and Driveline Reliability

The torque divider shields the driveline from sudden torque shocks and vibration.

Freewheel Stator

Improves torque divider efficiency. During machine operation under low drawbar loads, the stator is permitted to rotate to achieve peak efficiency. The result is a reduction in heat and an increase in fuel efficiency.

Key Benefits of Torque Dividers

- High reliability.
- Proven component design.
- Low dynamic torque.
- Optimum combination of operator efficiency and driveline reliability.
- Components are designed to absorb full engine power.
- High torque multiplication to get heavy loads moving.

Additional Feedback

A minor, but important, by-product of the torque divider is its tendency to increase engine lug all the way to converter stall. This gives the operator additional feedback concerning tractor speed and drawbar pull.

Operator Station

Designed for your comfort, convenience, and productivity.

Monitoring System

Provides the operator instant feedback on the condition of operating systems and records performance data to help diagnose problems. Gauges monitor fuel level and the temperature of the engine coolant, hydraulic oil, and power train oil. Includes alert indicators that monitor engine oil pressure, coolant flow, electrical system and transmission oil filter.

Interior Storage and Amenities

Includes intermittent windshield wipers, 12-volt power outlet, first aid kit storage, inside door releases, lunch box tie-downs, cup holder, console pads, standard 24 to 12 volt converter, speakers and antenna.

Comfortable Operation

An optional isolation-mounted cab reduces noise and vibration. The Cat Comfort Series Seat is fully adjustable and designed for comfort and support. The seat and back cushions are thicker to reduce pressure on the lower back and thighs while allowing unrestricted arm and leg movement.

Wide Panoramic View

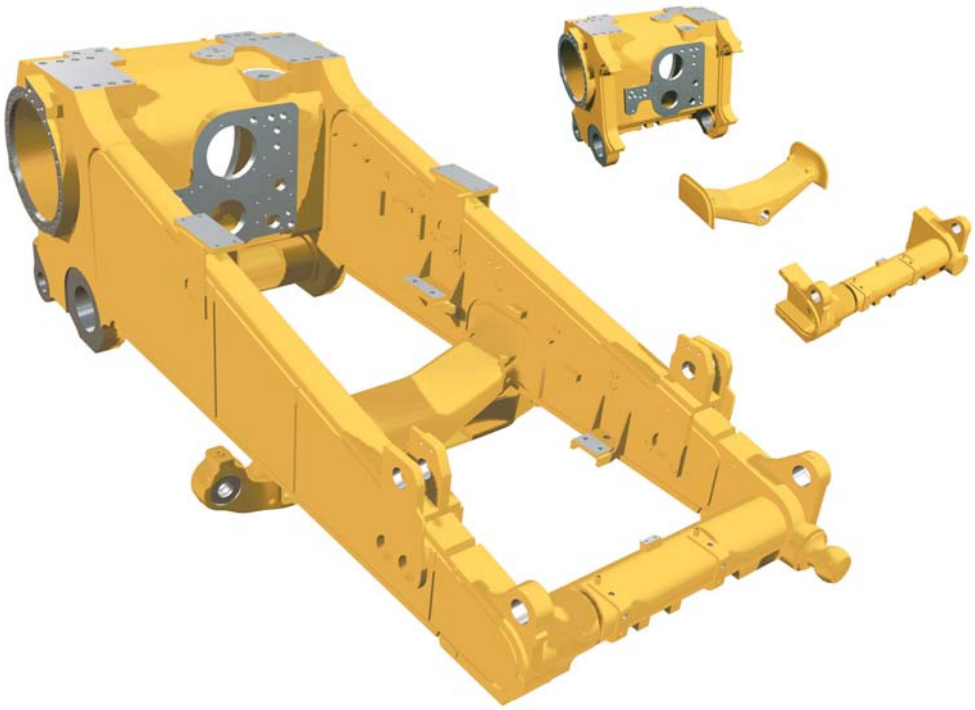
A tapered hood and “notched” fuel tank give the operator a clear line of sight to the front and rear work areas. The low rear window lets the operator see the ripper tip. The large single-pane door windows allow clear sight to each side without leaning.

Isolation-Mounted Operators Platform

The D9R features an isolation-mounted operators platform with standard ROPS/FOPS.

Structure

Engineered for maximum production and service life.



Mainframe

The D9R mainframe is built to absorb high impact shock loads and twisting forces encountered during severe dozing and ripping applications.

Heavy Steel Castings

The main case, equalizer bar saddle, and front cross member are heavy duty steel castings incorporated into highly loaded areas of the mainframe to improve stress distribution for improved durability.

Frame Rails

Full box section, designed to keep components rigidly aligned.

Top and Bottom Rails

Top and bottom rails are made from continuous rolled sections providing 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.

Pivot Shaft and Pinned Equalizer Bar

Maintain track roller frame alignment and allow the roller frame to oscillate for smoother ride.

Equalizer Bar End Pins

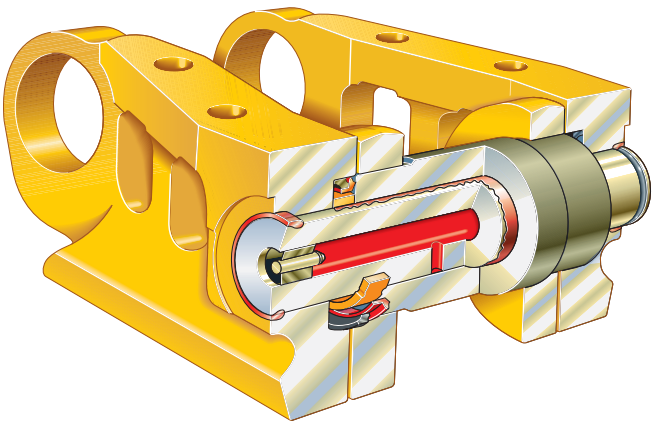
Proper grease lubrication on working surfaces can significantly extend component life and help lower maintenance cost. Remote lubrication is performed from a service point conveniently located on the left hand side of the engine compartment and allows an operator or service technician to lubricate both the left hand and right hand equalizer bar pin bearings and pins from one service point.

Tag-Link

Tag-Link blade mounting brings the blade closer to the machine for excellent maneuverability, machine balance and blade penetration. This design also eliminates the need for diagonal bracing by transferring side loads to the mainframe, instead of the dozer push arms.

Undercarriage

Designed for optimized machine balance and best performance at your site.



Positive Pin Retention (PPR)
Sealed and Lubricated Track

Designed for high-impact and high load applications. The PPR exclusive Caterpillar design locks the link to the pin reducing the opportunity for premature loss of lubrication. Sealed design permanently coats the track pin with lubricant, minimizing metal-to-metal contact and virtually eliminating internal pin and bushing wear.

The elevated sprocket and fully suspended undercarriage work together, increasing traction while creating a smoother ride for your operators. The elevated sprocket design transfers implement shock loads to the mainframe, so final drives, axles and steering components are isolated from harsh impacts. These benefits translate into higher production and longer component life.

- Bogie Suspension allows the track to conform to ground condition, providing up to 15% more ground contact, especially in hard, uneven terrain. Higher traction means less slippage, better balance, and a smoother ride.
- Roller frames are tubular to resist bending and twisting, with added reinforcement where operating loads are highest.
- The undercarriage idler guard provides additional wear protection from abrasive material to the moving undercarriage. Includes rubber idler protectors.

Work Tools

Provide flexibility to match the machine to your job.

Bulldozers

All blades feature a strong box-section design that resists twisting and cracking. Blades are made of high tensile strength steel that stands up to the most demanding applications.

- **High-Capacity Universal Blade** – Efficient at moving big loads over long distances.
- **Semi-Universal Blade** – Built for tough applications in tightly packed material where penetration is important.
- **Optional Dual Tilt** – Allows the operator to optimize the blade pitch angle.
- **Cutting Edges and End Bits** – Cutting edges are DH-2™ steel. End bits are DH-3™ to provide maximum service life in tough materials. For extremely severe applications, moldboard wear plates, extended wear life end bits and cutting edges are available.
- **Cat Work Tools** offer a range of special application blades, including coal stockpile blade, cushion dozer blade, reclamation blades and wood chip blade.

Rippers

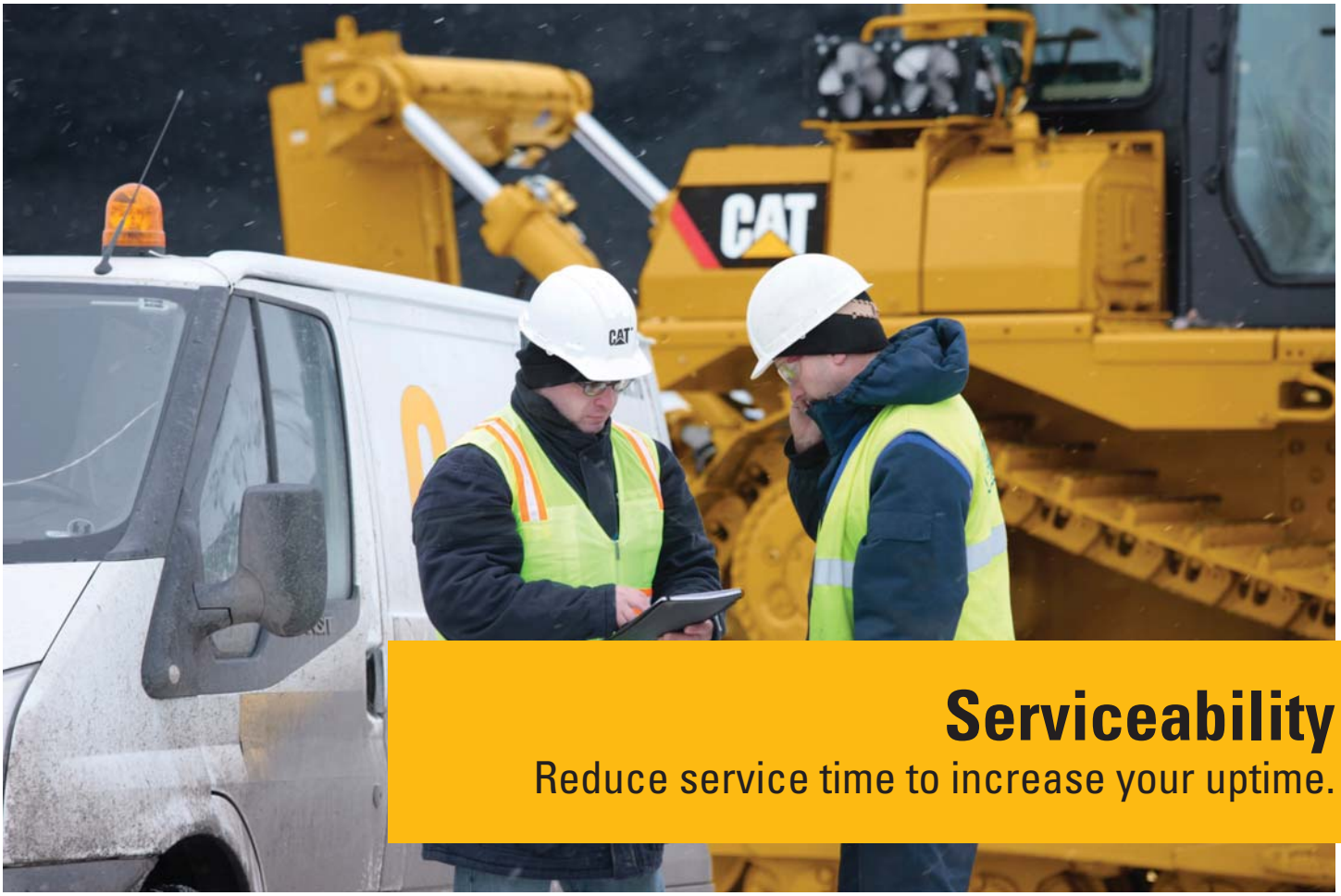
- **Single-Shank Ripper** – Built for tough ripping conditions and greater ripping depth. Operator can adjust the shank depth from the seat using an optional single-shank pin puller. Large one piece shank, available in deep rip configuration.
- **Multi-Shank Ripper** – Generally for lighter duty ripping applications in less severe materials. Provides high levels of productivity. Tailors the tractor to the material by using one, two or three shanks.

CapSure™ Hammerless Ripper Tip and Shank Protector Retention System

The tip and shank protector are easily installed with a 180 degree turn of a ¾ inch ratchet. This simple installation means no hammering and therefore improved safety. It also means quicker change outs and less downtime.

Rear Counterweights

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



Serviceability

Reduce service time to increase your uptime.

Built-In Servicing Ease

Major components are made as modules and can be removed without disturbing or removing others.

Spin-On Filters

Spin-on fuel and engine oil filters save changing time. Further time is saved with fast fuel and quick oil change attachments.

Electrical Connectors

To improve electrical system reliability and servicing, sealed electrical connectors are used in most locations. The harness connectors lock out dust and moisture better than “bullet” or “metal twist” connectors.

Ecology Drains

Provide an environmentally safer method to drain fluids. Included on the radiator, hydraulic tank and major power train components.

Easier Maintenance and Repair

Experience easier maintenance and repair through monitoring key functions and logging critical indicators. Electronic diagnostic access is possible with a single tool, the Electronic Technician (Cat ET).

Quick Disconnect Fittings

Allow for fast diagnosis of the power train and implement oil systems.

Fuel Tank

Increased fuel tank capacity for a full, non-stop shift between refills. Fast fuel attachment with positive fuel shut-off to prevent fuel spillage.

Customer Support

The Cat dealer knows how to keep your machines moving.

Dealer Commitment

Dealers committed to fast, quality customer support. Your Cat dealer's investment in service begins with the fastest and most complete parts availability in the industry.

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 questions.

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

Remanufactured Components

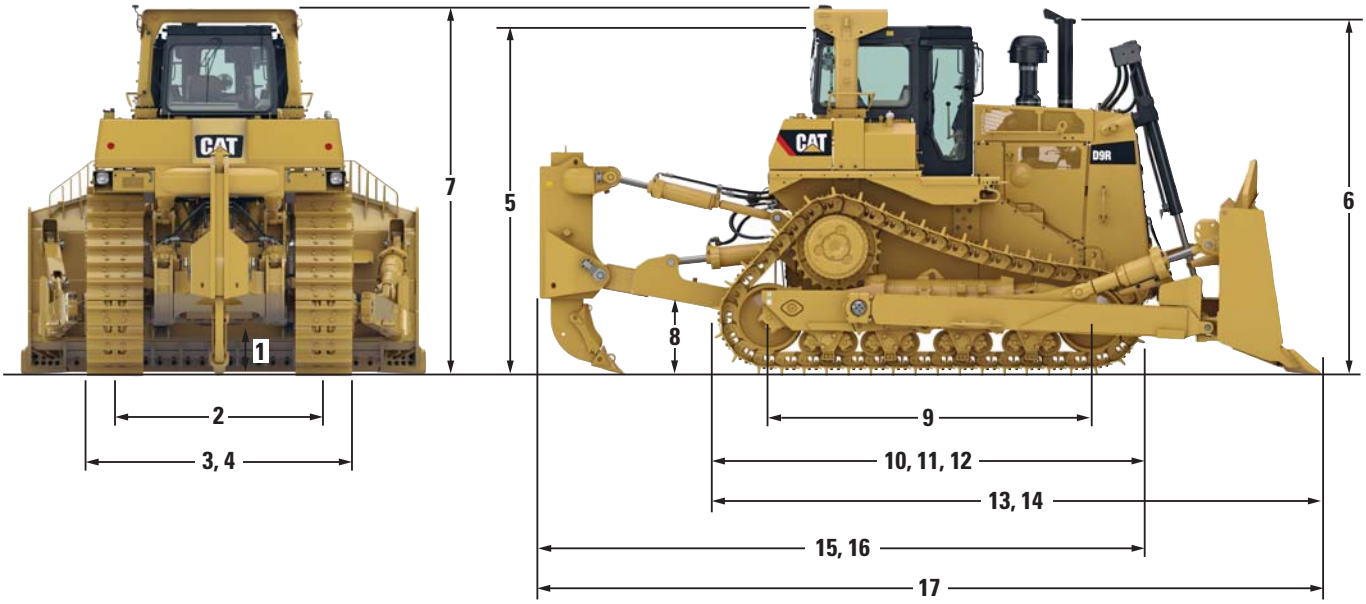
Save money with remanufactured parts. You receive the same warranty and reliability as new products at a cost savings of 40 to 70 percent.

Product Link™/VisionLink®

Cellular Product Link (optional) is deeply integrated into your machine, helping you take the guesswork out of equipment management. Cellular Product Link transmits basic health, machine location, and utilization data for remote machine monitoring via the on-line VisionLink user interface which can help you effectively manage your fleet and lower operating costs.

Dimensions

All dimensions are approximate.



	mm	in
1 Ground Clearance*	596	23.4
2 Track Gauge	2250	88.6
3 Width without Trunnions (Standard Shoe)	2880	113.4
4 Width over Trunnions	3300	129.9
5 Height (FOPS Cab)*	3820	150.4
6 Height (Top of Stack)*	4005	157.7
7 Height (ROPS/Canopy)*	4000	157.5
8 Drawbar Height (Center of Clevis)*	765	30.1
9 Length of Track on Ground	3470	136.6
10 Overall Length Basic Tractor	4910	193.3
11 Length Basic Tractor with Drawbar	5180	204.0
12 Length Basic Tractor with Winch	5545	218.3
13 Length with SU-Blade**	6880	270.9
14 Length with U-Blade	6967	274.3
15 Length with Single-Shank Ripper	6529	257.0
16 Length with Multi-Shank Ripper	6538	257.4
17 Overall Length (SU-Blade/SS Ripper)	8230	324.0

*Includes grouser height for total dimensions on hard surfaces.
**Includes drawbar.

D9R Dozer Specifications

Engine

Engine Model	Cat 3408C	
Bore	137 mm	5.4 in
Stroke	152 mm	6 in
Displacement	18 L	1,099 in³
Engine Power		
Gross Power – SAE J1995*	330 kW	443 hp
Net Power – SAE J1349/ISO 9249	302 kW	405 hp
EU 80/1269	302 kW	405 hp

* Excludes all fan losses.
- Engine ratings apply at 1,900 rpm.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- No derating required up to 2286 m (7,500 ft) altitude.

Service Refill Capacities

Fuel Tank	889 L	235 gal
Cooling System	163 L	43 gal
Engine Crankcase*	45.5 L	12 gal
Power Train	164 L	43.4 gal
Final Drives (each)	15 L	3.9 gal
Roller Frames (each)	45 L	11.9 gal
Pivot Shaft Compartment	30 L	7.9 gal
Hydraulic Tank	77.2 L	20.4 gal

* With oil filters.

Weights

Operating Weight	48 784 kg	107,550 lb
Shipping Weight	36 154 kg	79,705 lb

- **Operating Weight:** Includes clutch/brake arrangement, lubricant, coolant, 100% fuel, hydraulic controls and fluids, 610 mm (24 in) extreme service shoes, SU-Blade, single-shank ripper, ROPS, FOPS cab and operator.
- **Shipping Weight:** Includes clutch/brake arrangement, lubricants, coolant, 20% fuel and ROPS, FOPS cab and 610 mm (24 in) extreme service shoes.

Undercarriage

Shoe Type	Extreme Service	
Width of Shoe	610 mm	24 in
Shoes/Side	43	
Grouser Height – Extreme Service (ES)	84 mm	3.3 in
Pitch	240 mm	9.44 in
Ground Clearance	596 mm	23.4 in
Track Gauge	2250 mm	88.6 in
Length of Track on Ground	3470 mm	136.6 in
Ground Contact Area	4.24 m²	6,569 in²
Track Rollers/Side	8	

- Positive Pin Retention Track.

Hydraulic Controls

Pump Type	Piston-type geared from flywheel	
Pump Output (Implement)	239 L/min	63.1 gal/min
Tilt Cylinder Rod End Flow	137 L/min	36.4 gal/min
Tilt Cylinder Head End Flow	167 L/min	44.2 gal/min
Bulldozer Relief Valve Setting	26 200 kPa	3,800 psi
Tilt Cylinder Relief Valve Setting	19 300 kPa	2,800 psi
Ripper (Lift) Relief Valve Setting	26 200 kPa	3,800 psi
Ripper (Pitch) Relief Valve Setting	26 200 kPa	3,800 psi

- Implement Pump output measured at 1,900 rpm and 6895 kPa (1,000 psi).
- Complete system consists of pump, tank with filter, valves, lines, linkage and control levers.

Transmission

1 Forward	3.9 km/h	2.4 mph
2 Forward	6.8 km/h	4.2 mph
3 Forward	11.9 km/h	7.4 mph
1 Reverse	4.7 km/h	2.9 mph
2 Reverse	8.4 km/h	5.2 mph
3 Reverse	14.7 km/h	9.1 mph
1 Forward – Drawbar Pull	725 000 N	163,000 lbf
2 Forward – Drawbar Pull	400 000 N	90,000 lbf
3 Forward – Drawbar Pull	218 000 N	49,000 lbf

Blades

Type	9SU	
Capacity (SAE J1265)	13.5 m³	17.7 yd³
Width (over end bits)	4310 mm	14 ft 2 in
Height	1934 mm	6 ft 4 in
Digging Depth	606 mm	23.9 in
Ground Clearance	1422 mm	56 in
Maximum Tilt	940 mm	37 in
Weight* (without hydraulic controls)	6863 kg	15,130 lb
Total Operating Weight** (with Blade and Single-Shank Ripper)	48 784 kg	107,550 lb
Type	**9U**	
Capacity (SAE J1265)	16.4 m³	21.4 yd³
Width (over end bits)	4650 mm	15 ft 3 in
Height	1934 mm	6 ft 4 in
Digging Depth	606 mm	23.9 in
Ground Clearance	1422 mm	56 in
Maximum Tilt	1014 mm	39.9 in
Weight* (without hydraulic controls)	7388 kg	16,288 lb
Total Operating Weight** (with Blade and Single-Shank Ripper)	49 392 kg	108,890.59 lb

* Includes blade tilt cylinder.

** **Total Operating Weight:** Includes hydraulic controls, blade tilt cylinder, coolant, lubricants, 100% fuel, ROPS, FOPS cab, Blade, Single-Shank Ripper, 610 mm (24 in) ES shoes, and operator.

Winches

Winch Model	PA140VS	
Weight*	1790 kg	3,950 lb
Oil Capacity	15 L	4 gal
Increased Tractor Length	557 mm	21.9 in
Drum Width	320 mm	12.6 in
Wire Cable Diameter		
Recommended	28 mm	1.13 in
Optional	32 mm	1.25 in
Maximum Drum Capacity		
Recommended Cable Length	78 m	257 ft
Optional Cable Length	62 m	204 ft
Wire Cable Ferrule Size – Outside Diameter	60 mm	2.4 in
Wire Cable Ferrule Size – Length	70 mm	2.8 in

* **Weight:** Weight shown is base winch only. Does not include mounting arrangement, control arrangement, oil, or wire rope. With counterweight: 3700 kg (8,150 lb).

- Variable speed, hydraulically driven, dual braking system, three-roller fairlead.

Rippers

Type	Adjustable Parallelogram Single-Shank Standard/Deep	
Overall Beam Width	NA	NA
Number of Shank Holes	3/3	
Maximum Clearance Raised (under tip, pinned in bottom hole)	882 mm/ 817 mm	34.7 in/ 32.2 in
Maximum Penetration (standard tip)	1231 mm/ 1727 mm	48.5 in/ 68 in
Maximum Penetration Force (shank vertical)	158 kN/ 172 kN	35,520 lbf/ 38,667 lbf
Pry Out Force	332 kN/ 331 kN	74,637 lbf/ 74,412 lbf
Weight (with one shank)	4293 kg/ 4420 kg	9,464 lb/ 9,744 lb
Total Operating Weight* (with SU-Blade and Ripper)	48 784 kg	107,550 lb
Type	**Adjustable Parallelogram +Multi-shank**	
Number of Shank Holes	2	
Overall Beam Width	1330 mm	52.4 in
Maximum Clearance Raised (under tip, pinned in bottom hole)	879 mm	34.6 in
Maximum Penetration (standard tip)	798 mm	31.4 in
Maximum Penetration Force (shank vertical)	154 kN	34,621 lbf
Pry Out Force (Multi-Shank Ripper with one tooth)	361 kN	81,156 lbf
Weight (with one shank)	4153 kg	9,156 lb
Total Operating Weight* (with SU-Blade and Ripper)	48 221 kg	106,309 lb

* **Total Operating Weight:** Includes hydraulic controls, blade tilt cylinder, coolant, lubricants, full fuel tank, ROPS, FOPS cab, SU-Blade, Ripper, 610 mm (24 in) ES shoes, and operator.

+Includes (1) shank, add 347 kg for each additional shank.

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

Standards

- ROPS (Rollover Protective Structure) offered by Caterpillar for the machine meets ROPS criteria SAE J1040 MAY94, ISO 3471:1994.
- FOPS (Falling Object Protective Structure) meets SAE J/ISO 3449 APR98 Level II, and ISO 3449:1992 Level II.
- The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT98 is 83 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.
- Brakes meet the standard SAE J/ISO 10265 MAR99.

D9R Standard Equipment

Standard Equipment

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

ELECTRICAL

- Alternator, 75 amp
- Back-up alarm
- Batteries, 12-volt (2), 190 amp-hour
- Converter, 10-volt, 10 amp
- Horn, forward warning
- Lighting system
  - Two on fender facing forward
  - Two on fender facing rearward
  - Two on top of the lift cylinders
- Starting receptacle

OPERATOR ENVIRONMENT

- Canopy, ROPS/FOPS
- Cat D9R Monitoring System
- Decelerator and governor control
- Heater
- Hydraulic control lever restraints
- Hydraulic system, four valve
- Mirror, rearview
- Seat, cloth with mechanical suspension
- Seat belt, retractable 76 mm (3 in)

UNDERCARRIAGE

- 610 mm (24 in) extreme service grouser with sealed and lubricated PPR track (43 section)
- Lifetime lubricated rollers and idlers
- Pinned equalizer bar
- Sprocket rim segments, replaceable
- Suspension-type undercarriage, eight-roller tubular track roller frame
- Track adjusters, hydraulic
- Track guides
- Two-piece master links

POWER TRAIN

- 3408C DITA diesel engine
- Advanced Modular Cooling System (AMOCS)
- Blower fan
- Clutch-brake with combined steering and brake control levers
- Coolant, extended life
- Drains, ecology fluid
- Final drives, three planet double reduction planetary
- Fuel priming pump
- Muffler
- Power shift transmission (3F/3R)
- Precleaner with dust ejector
- Prescreener
- Separator, water/fuel
- Thermal shield
- Torque divider

OTHER STANDARD EQUIPMENT

- CD ROM parts book
- Ecology drains
- Engine enclosure
- Guards – bottom, hinged extreme service with front towing device
- Load sensing hydraulics
- Mounting, lift cylinders
- Radiator, hinged
- Rain cap
- Service instructions, international
- Vandalism protection (8 caplocks)

Optional Equipment

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

ELECTRICAL
- Alternator, 105 amp
- Battery
  - Arctic (includes four batteries)
  - Heavy Duty (includes four batteries)
- Converter, 24-volt to 12-volt (includes 20 amp converter)
- Lights, 10 halogen
  - Two on fender facing forward
  - Two on fender facing rearward
  - Four on top of lift cylinders
  - Two on sides of ROPS facing rearward

GUARDS
- Dozer lines
- Fuel tank
- Rear screen
- Undercarriage idlers

OPERATOR ENVIRONMENT
- Air conditioner (under hood or fender)
- Cab (standard, arctic or steel mill)
- Seat
  - Vinyl seat with mechanical suspension
  - Cloth seat with air suspension

POWER TRAIN
- Coolant – arctic
- Ether starting aid
- Fan
  - Desert
  - Reversible
- Fast fuel system
- Final drives
  - Guarded
  - Cold weather
  - Steel mill
- Grid, radiator core protector
  - Grid, coated radiator core protector
- Lubrication
  - Arctic
  - High ambient
  - Steel mill
- Precleaner, turbine or turbine with screen
- Prelube engine
- Radiator
  - Copper-nickel (in conditions with airborne abrasive materials)
  - High ambient

UNDERCARRIAGE
- Tracks, PPR, sealed and lubricated
- 560 mm (22 in) Extreme Service
- 610 mm (24 in) Extreme Service trapezoidal holes
- 610 mm (24 in) Super Extreme Service
- 610 mm (24 in) Super Extreme Service Steel Mill
- 685 mm (27 in) Extreme Service
- 685 mm (27 in) Extreme Service trapezoidal holes
- 685 mm (27 in) Super Extreme Service
- 760 mm (30 in) Moderate Service
- Carrier rollers
- Carrier rollers, cold weather
- Undercarriage arrangements
  - Cold weather
  - Steel mill

SPECIAL ARRANGEMENTS
- Arctic
- Desert
- Heavy construction
- Steel mill

BULLDOZER ARRANGEMENTS
- 9SU blade
- 9SU abrasion resistant blade
- 9SU abrasion resistant blade, black
- 9U blade
- 9U abrasion resistant blade
- 9U abrasion resistant blade, black

HYDRAULIC CONTROLS
- Dual tilt

REAR ATTACHMENTS
- Counterweight
- Drawbar rear
- Single shank
- Multi shank
- Multi shank – steel mill
- Pin puller (single shank only)
- CapSure Hammerless Installation and Positive Retention System
  - Single shank
  - Multi shank
  - Single shank deep
- Winch

OTHER ATTACHMENTS
- Cellular Product Link
- Fuel lines, heater
- High speed oil change system
- Paint
  - Black paint on hood and top of radiator guard
  - Corrosion resistant

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

AEHQ7388 (12-2015)