

D8R

Series II
Track-Type Tractor



Engine 3406E

Gross Power 252 kW/338 hp

Flywheel Power 231 kW 310 hp

Weights

Operating Weight 37 875 kg

Shipping Weight 29 575 kg

D8R Series II Track-Type Tractor

The D8R Series II combines power and efficiency with advanced technology for outstanding production at lower cost-per-yard.

Engine

- ✓ The rugged, easy-to-service 3406E engine features the electronically controlled, direct injection fuel system for lower combustion sound and reduced emissions. The 3406E meets current EPA, EU, and JMOC emissions regulations. **pg. 4**

Torque Divider

- ✓ The single-stage torque converter with output torque divider provides greater driveline efficiency and higher torque multiplication. **pg. 5**

Operator Station

- ✓ The D8R II operator station is designed for comfort and ease of operation. **pg. 6**

Advanced Modular Cooling System (AMOCS)

AMOCS utilizes an exclusive two pass cooling system and increased cooling surface area to provide significantly more cooling capacity than conventional systems. **pg. 11**

Work Tools/Attachments

- ✓ A variety of bulldozer blades, rippers and other options allows you to customize the D8R II to match your specific application. The heavy box-section blade design also helps resist twisting and cracking. **pg. 12**

The D8R Series II durable construction is made for tough working conditions. It keeps material moving with the reliability and low operating costs you expect from Cat® tractors.



Undercarriage

- ✓ Elevated sprockets move the final drives above the work area, isolating them from ground impacts. The suspended undercarriage puts more track on the ground for higher traction and less slippage. It also absorbs shocks for a smoother ride and longer machine life. **pg. 8**

Structure

Mainframe is heavy, strong and durable. Full box sections, steel castings and continuous rolled rails provide durable support to the undercarriage, elevated final drives and other integral frame components. **pg. 9**

Transmission

- ✓ Caterpillar ® designed and manufactured differential steering provides smooth turning control, with uninterrupted power to both tracks. The differential steer allows easier turns while maintaining desired ground speed for fast cycle times and high production. **pg. 10**

Serviceability

You'll receive the most serviceable machines from the most committed dealers. **pg. 14**

Complete Customer Support

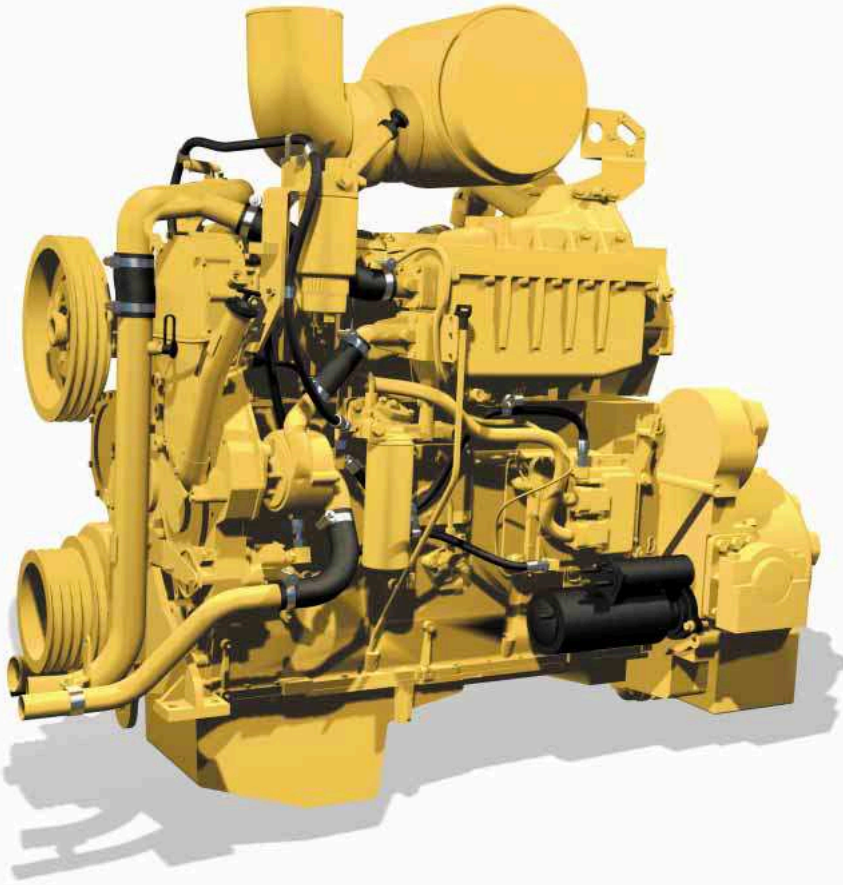
Less time spent on maintenance gives you more time on the job. **pg. 14**



✓ *New feature*

Engine

The 3406E engine, when matched with the torque divider and field proven powershift transmission, will provide years of dependable service.



3406E EUI Engine. The 3406E engine meets worldwide emissions regulations for the Environmental Protection Agency (EPA), the European Union (EU) and the Japan Ministry of Construction (JMOC).

Turbocharged and Aftercooled. Provide high horsepower while keeping rpm and exhaust temperatures low. The 3406E electronically controlled unit injection fuel system helps it meet current emission standards.

Reduced Exhaust Smoke. Exhaust smoke is significantly reduced through precise, electronic control of fuel metering and injection timing.

Engine Capabilities. The large displacement and high torque rise of the 3406E EUI engine allows the D8R II to doze through tough material and provides good lugging capability to move heavy loads efficiently.

High Tensile-Strength Iron Block.

The Caterpillar foundry casts the 3406E EUI block from high tensile-strength gray iron. The one-piece casting is stabilized to maintain internal dimensions under all operating conditions. A steel spacer placed between the head and block eliminates the need for block counterbores.

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.

Steel Spacer. A steel spacer between the block and head eliminates the need for block counterbores, extending block life.

Improved Reliability. Improved reliability through reduction of complex mechanical linkages and by electronically protecting the engine during:

- Cold starts.
- Prolonged idling periods.
- High altitude operation.

Torque Divider

The D8R II torque divider provides efficiency benefits of a direct-drive power train while maintaining the capabilities of a converter drive.

Torque Divider Performance. An improved single-stage torque converter sends 70% of engine torque through a converter and 30% through a direct drive shaft for greater driveline efficiency and higher torque multiplication. The new torque converter provides improved efficiency and broader range of performance in second gear dozing and scraper pushloading.

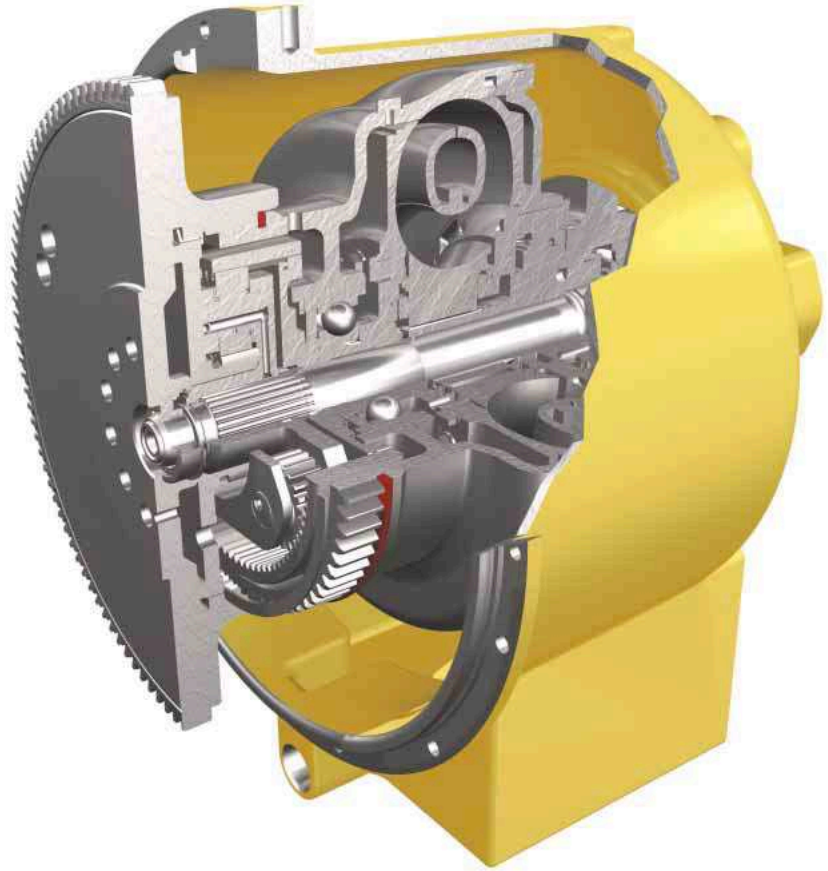
Key Benefits of Torque Dividers.

Caterpillar uses torque dividers on large track-type tractors for several key reasons:

- 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.

Elevated Final Drives. Isolates final drives from ground and work tool 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.



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.

Operating Efficiency and Driveline Reliability. The torque converter shields the driveline from sudden torque shocks and vibration.

Operator Station

The D8R II operator station is designed for comfort and ease of operation.



Caterpillar Monitoring System. Provides the operator instant feedback on the condition of operating systems and records such performance data as high/low gauge readings to help diagnose problems and manage undercarriage. Caterpillar Monitoring System provides gauges that monitor the temperature of the engine coolant, hydraulic oil and power train oil, plus the fuel level.

Alert Indicators. The Caterpillar Monitoring System provides alert indicators that monitor engine oil pressure, inlet manifold temperature, coolant flow, electrical system, transmission oil filter, air filter service indicator, engine fault warning light and hydraulic filter. It also has an easy to read digital tachometer.

Comfortable Operation. An isolation-mounted cab reduces noise and vibration. The cab is pre-wired for a 12- volt radio mount recessed in the headliner.

Cat Comfort Series Seat. The new Cat Comfort Series seat is fully adjustable and designed for comfort and support. The seat and back cushions are thicker and designed to reduce pressure on the lower back and thighs while allowing unrestricted arm and leg movement.



Single Twist Tiller With Push-Button Speed Control. New on the D8R II is a single twist tiller with push-button speed controls allowing one-hand control of the direction and degree of turns, forward-reverse shifting, and gear selection.

Hydraulic Control Lockout Valve. When engaged, the lockout valve prevents inadvertent operation of the hydraulic work tool attachments.

Throttle Control. A rocker switch control sets the high or low idle with a touch of the finger. A decelerator pedal gives the operator full control of engine speed when the rocker switch is in the high idle position.

Clear Full-Circle View. 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 windows in the doors allow the operator to see both ends of the blade.

Interior Amenities. The interior storage and amenities include:

- Intermittent windshield wipers.
- Small storage compartment behind seat for use as first aid kit.
- Inside door releases.
- Lunchbox tie-downs.
- Cup holder.
- Cigarette ashtray.
- Console pads.
- Standard 24 to 12 volt converter.
- Power point plug-in behind seat.
- Perimeter-mounted headliner with integral radio mount, speakers and antenna.

Suspension Isolation-Mounted Cab. The D8R II features a suspension isolation-mounted cab with standard ROPS/FOPS.

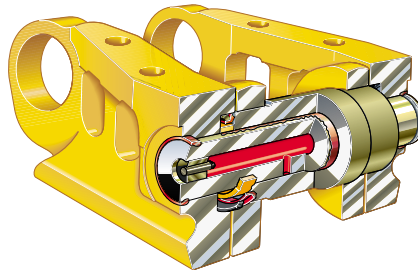
Air Ventilation System. The D8R II air ventilation system features a 4-speed blower fan for optimal operator comfort.

Undercarriage

The Cat elevated sprocket is designed for better machine balance and component life.



Bogie Suspension. Conforms more closely to the ground to provide more ground contact, especially in hard, uneven terrain. Higher traction means less slippage, better balance, and a smoother ride.



Positive Pin Retention (PPR) Track.

Designed for high-impact and high-loading applications such as mining, heavy construction, demolition, and waste disposal. Positive Pin Retention Track (PPR) is an exclusive Caterpillar design that mechanically locks the link to the pin.

Rollers and Idlers. Feature symmetric Duo-Cone® seals with an abutment-style cap.

Structure

Engineered and built to give solid support in the most demanding work.



Mainframe. The D8R II mainframe is built to absorb high impact shock loads and twisting forces.

Frame Rails. Full box section, designed to keep components rigidly aligned.

Heavy Steel Castings. Give added strength to the main case, equalizer bar saddle, front cross member and tag-link trunnion.



Equalizer Bar End Pins. Equalizer bar end pins are oil filled with limited slip seal for longer life and reduced repair costs.

Transmission

With differential steering, the D8R II delivers the performance you expect from Caterpillar.

Differential Steering. Delivers uninterrupted power to both tracks to help maintain blade loads and reduce cycle times.

Tiller. A single lever - or tiller - controls machine speed, direction and steering. The operator can steer and change directions easily with one hand. The tiller control allows the operator to work more precisely in close areas, around structures, obstacles, grade stakes, other machines or on fine grades.

Planetary Gear Sets. The differential steering system consists of three planetary gear sets; a dedicated variable-displacement hydraulic pump; a bi-directional, fixed-displacement steering motor; and steering drive gears. A planetary differential turns the machine by speeding up one track and slowing the other, while maintaining full power to both.

Efficient Hydraulic System. Devotes one pump solely to steering with a separate pump to power work tools. Adequate hydraulic power is available to steer and operate work tools at the same time.

Maneuverability and Efficiency. Especially efficient in soft underfooting, where both tracks can power through turns to keep loads moving and maintain traction.



Electronic Clutch Pressure Control (ECPC). A new feature on the D8R II is an Electronic Clutch Pressure Control in the transmission which provides smoother shifting by modulating individual clutches precisely. ECPC also provides auto shift and auto-kickdown features.

Auto Shift and Auto-kickdown. Auto shift allows the operator to pre-select a forward and reverse gear for directional changes. Auto shift settings include first forward to second reverse, and second forward to second reverse. Auto-kickdown allows the transmission to automatically downshift when significant load increases are detected.

Advanced Modular Cooling System (AMOCS)

AMOCS utilizes an exclusive two pass cooling system and increased cooling surface area to provide significantly more cooling capacity than conventional systems.

Separate Circuit Aftercooler. AMOCS features a new Separate Circuit Aftercooler and aftercooler water pump.

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.

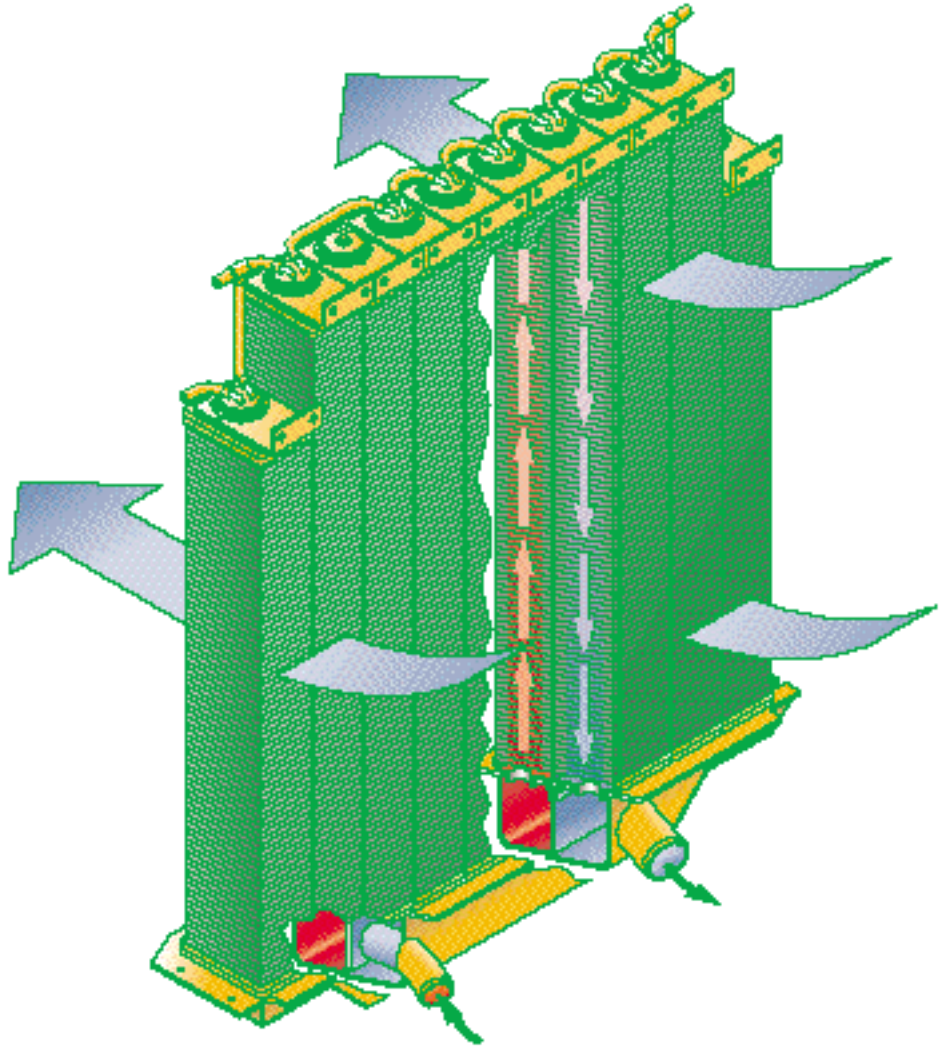
Modular Design. The cooling elements are individual core modules that are connected to a sectioned bottom tank. There is no top tank to remove.

- With 9 steel fins per 2.54 cm, or an optional 6 steel fins per 2.54 cm.
- Brass tube construction within each core for improved reliability.

Serviceability. Servicing of the AMOCS can be performed without tilting the radiator guard.

- No need to remove or replace a major component as on a single-core radiator.
- Each core module can be replaced individually (without removing the entire radiator), saving considerable cost and repair time. It also features a site gauge for quick service checks.

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. The attachment sand blast grid should be used to prevent core damage in the conditions where abrasive materials can be airborne.



Work Tools/Attachments

A variety of attachments provide the flexibility to match the machine to the job.



Blades. The Universal (U) blade and the Semi-universal (SU) blade make full use of the D8R II power. The U blade has increased capacity and less spillage. The SU blade is built for tough applications in tightly packed material where penetration is more important than capacity.

Universal (U) Blade. The U blade is efficient at moving big loads over long distances. It's ideal for lighter or relatively easily dozed material.

Semi-Universal (SU). Built for tough applications in tightly packed material where penetration is more important than capacity.

Dual Tilt. Dual tilt option can improve load control.

- Allows the operator to optimize the blade pitch angle for each portion of the dozing cycle.
- Faster tilting and greater tilt angle in dual tilt mode.
- Single tilt mode provides highest pryout force.

Single Lever Control. A single lever utilizing pilot hydraulics controls all blade movements, including the optional dual tilt.

Cutting Edges. Cutting edges are DH-2 steel. End bits are DH-3 to provide maximum service life in tough materials.

Tag Link. Tag link construction 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 pryout independent of blade height.

Heel Clearance. Works well in hard-to-penetrate material because it has excellent heel clearance.

Ground Engaging Tools (GET). A large range of Ground Engaging Tools is offered.

Rippers. The D8R II is available with either single or multi-shank ripper and features a notched fuel tank for a better visibility to ripper tip.

Single-Shank Ripper. The best choice in severe applications where penetration is difficult or when you need more lift.

- Operator can adjust the shank depth from the seat using an optional single shank pin puller.
- Large ripper frame view hole improves viewing of the ripper tip.
- Narrow carriage body for improved rear view.
- Heat treated, cast spacer bars in ripper carriage to extend pocket life and reduce shank notching.
- Large one-piece shank.
- Available in deep rip configuration.

Multi-Shank Ripper. Tailors the tractor to the material by using one, two or three shanks.

Hydraulics. Adjusts attachment hydraulic power to increase both operator and machine efficiency.

Load-Sensing Hydraulics. Load-sensing hydraulics utilize a feedback loop from the control valve to the hydraulic pump to continually monitor the hydraulic power requirements of the blade or ripper.

Precise Power for Dozing or Ripping. During normal blade or ripper corrections, pump output increases and decreases to provide precise power for dozing or ripping.

More Drawbar Power. Lower pump requirements reduce engine power requirements for the hydraulics, making more drawbar power available for increased machine production.

Variable-Flow Design. The D8R II variable-flow design minimizes hydraulic oil temperatures and saves on fuel.

Optional Ripper-Ready Hydraulic System. An Optional feature on the D8R II is a ripper-ready hydraulic system with an additional valve, pilot controlled hydraulic lever, manifold, and the additional componentry necessary to install a ripper. This makes it "ripper ready," improving versatility and resale value.

Serviceability

Simplified service means more productive uptime.

Built-In Servicing Ease. Less service time means more working time. Major components are made as modules and most can be removed without disturbing or removing others.

Ecology Drains. Provide an environmentally safer method to drain fluids. They are included on the radiator, hydraulic tank and major power train components.

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. Equipped with a dozer and ripper, the D8R II has only 12 weekly (50 hour) lube points (grease fittings).

Advanced Modular Cooling System (AMOCS). AMOCS individual cooling elements allow radiator servicing without major component removal, saving considerable time and cost.

Easier Maintenance and Repair. Experience easier maintenance and repair through monitoring key functions and logged faults. Electronic diagnostic access is possible with a single tool, the Electronic Technician (ET).



Quick Disconnect Fittings. Allow for fast diagnosis of the power train and work tool oil systems.

Electrical Connectors. To improve electrical system reliability and servicing, the D8R II uses Deutsch sealed electrical connectors in most locations. The harness connectors lock out dust and moisture better than "bullet" or "metal twist" connectors.

Fuel Tank. The D8R II includes an optional fast fuel fill attachment with positive fuel shut-off to prevent fuel spillage.



Complete Customer Support

Unmatched in the industry!

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. The full range of exchange components and Caterpillar Remanufactured parts are aimed at saving you time and money, and all carrying new-parts warranty.

Customer Service Agreements. Dealer service response extends to programs such as Custom Track Service (CTS), Scheduled Oil Sampling (S•O•Ssm), and guaranteed maintenance contracts that get peak life and performance from your machine.

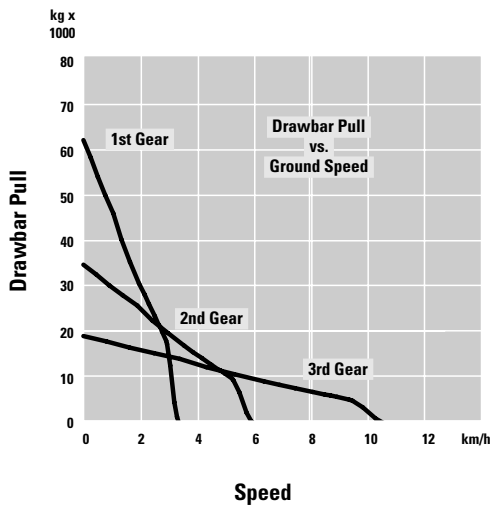
Financing. Your dealer is also expert at arranging affordable lease, rental or purchase financing for all Caterpillar products.

Engine 3406E

Ratings at 2000 rpm	kW	hp
Gross Power	252	338
Flywheel Power		
ISO 9249	231	310
EEC 80/1269	231	310
Bore	137 mm	
Stroke	165 mm	
Displacement	14.6 Liters	

- 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 altitude, beyond 2286 m automatic derating occurs.

Power shift with differential



Hydraulic Controls

Complete system includes a load-sensing variable displacement piston pump, tank with filter, oil cooler, valves, lines and pilot controls.

Steering Pump Capacity at 2386 rpm and 20 000 kPa	
Pump Output (Steering)	285 L/min
Implement Pump Capacity at 2000 rpm and 6895 kPa	
Pump Output (Implement)	228 L/min
Tilt Cylinder Rod End Flow	130 L/min
Tilt Cylinder Head End Flow	170 L/min
Maximum Operating Pressure	
Bulldozer	24 100 kPa
Tilt Cylinder	24 100 kPa
Ripper (Lift)	24 100 kPa
Ripper (Pitch)	24 100 kPa
Steering	39 200 kPa
Tank Capacity	72 Liters

Transmission

Forward	km/h
1	3.4
2	6.0
3	10.6
Reverse	
1	4.5
2	7.9
3	13.8

Undercarriage

Pitch	216 mm
Number Shoes/Side	44
Shoe Type	Moderate
Length of Track on Ground	3206 mm
Ground Contact Area	3.58 m ²
Track Gauge	2082 mm
Width of Shoe	560 mm
Grouser Height	78 mm
Ground Clearance	0.528 m

Standards

Cab

- The operator sound pressure measured according to ISO 6396 dynamic test method is 85 dB(A), with doors and windows closed.

Exterior Sound

- The dynamic exterior sound power level according to EU Directive 95/27/EC is 113 dB(A).

ROPS/FOPS

- ROPS (Rollover Protective Structure) offered by Caterpillar for the machine meets ROPS criteria ISO 3471-1994.
- FOPS (Falling Object Protective Structure) meets FOPS criteria ISO 3449-1992 Level II.

Brakes

- Brakes meet the standard ISO 10265-1998.

Service Refill Capacities

	Liters
Fuel Tank	625
Cooling System	94
Engine Crankcase	37
Power Train	155
Final Drives (each)	12.5
Roller Frames (each)	65
Pivot Shaft Compartment	40
Attachment Hydraulic System Tank Only	72
Variable Fan Hub	3.1

Winch Specifications

Hydraulically Driven (variable speed) PA110VS Winch (Paccar)

Weight	1790 kg
Increased Tractor Length (from tip of grouser)	568 mm
Winch Case Width	1171 mm
Flange Diameter	610 mm
Drum Width	337 mm
Drum Capacity	
24 mm	127 m
29 mm	84 m
32 mm	58 m
Oil Capacity	15 Liters

Weights

Operating Weight	37 875 kg
Shipping Weight	29 575 kg

Rippers

Hydraulic tip adjustment cylinders vary shank angle to aid penetration and help lift and shatter rock.

		Single Shank	Single Shank, Deep Ripping Arrangement	***Multi-Shank Arrangement
Overall beam width	mm	–	–	2644
Maximum penetration force* (shank vertical)	kN	124.9	122.6	118.5
Pryout force	kN	281.4	281.4	303.2
Maximum penetration (standard tip)	mm	1158	1602	786
Maximum clearance raised (under tip, pinned in bottom hole)	mm	670	840	624
Number of shank holes (vertical adjustment)		3	3	2
Weight (without hydraulic controls)	kg	4140	4378	4100
Total tractor operating weight (with 8 SU blade and ripper)**	kg	37 875	38 113	37 835

* Multi-Shank Ripper Forces measured with Center Tooth Installed.

** Operating weights are calculated based on suspended undercarriage configuration found in the weights section.

Note: Single shank, deep ripping arrangement weight includes required pin puller (weight 90.3 kg).

Bulldozers

		8 SU	8 U	8 A	8 SU LGP
Blade Capacity	m ³	8.7	11.7	4.7	8.5
Width	mm	3937	4262	4978	4400
Height	mm	1690	1740	1174	1612
Digging Depth	mm	582	582	628	582
Ground Clearance	mm	1231	1231	1308	1231
Maximum Tilt	mm	951	1028	729	914
Weight*	kg	4570	5135	5099	4850

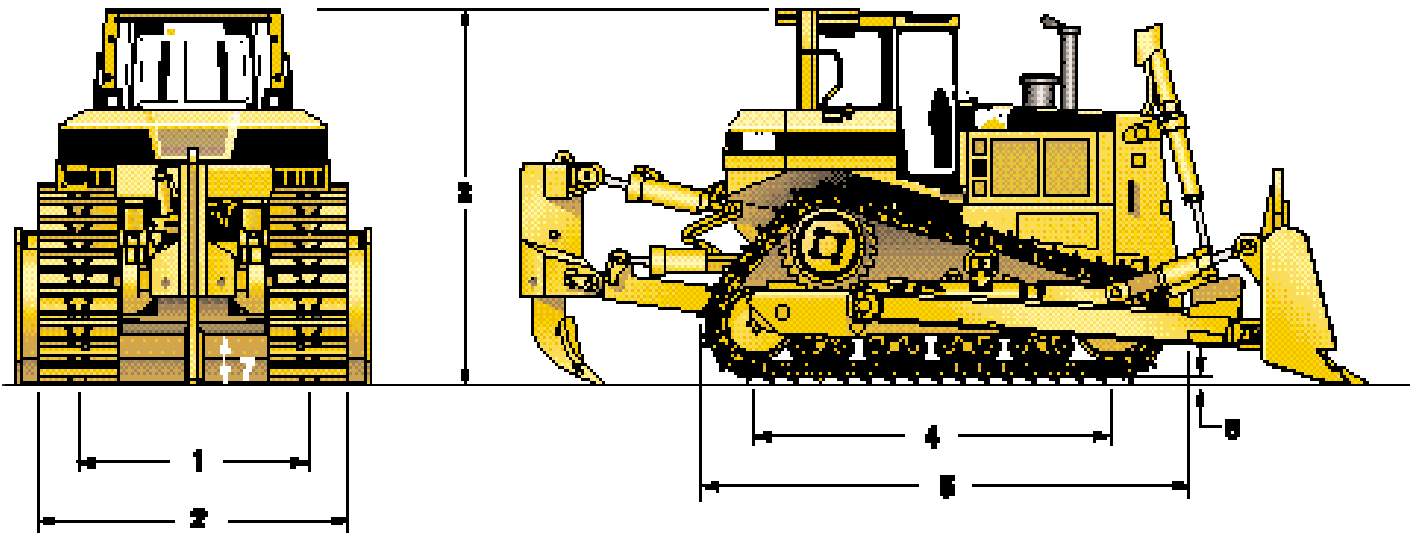
Features

- cutting edges are DH-2 steel and end bits are DH-3 steel for maximum durability
- dozer lift cylinders mount to top corners of radiator guard to improve mechanical advantage
- single lever controls all blade movements
- angle dozer available with two tilt cylinders, which replace the two tilt braces

* Does not include hydraulic controls, but includes blade tilt cylinder.

Dimensions

(approximate)



	Standard	Non-Suspended	LGP
1 Track Gauge	2082 mm	2082 mm	2337 mm
2 Width of Tractor			
Over Trunnions	3050 mm	3050 mm	3370 mm
Without Trunnions (std. shoe width) (965 mm shoe LGP)	2642 mm	2642 mm	3302 mm
3 Machine Height from tip of Grouser:			
Stack	3505 mm	3499 mm	3499 mm
OROPS	3509 mm	3503 mm	3503 mm
EROPS	3498 mm	3492 mm	3492 mm
Drawbar Height (grouser tip to center of clevis)	754 mm	748 mm	748 mm
From Ground Face of Shoe	676 mm	673 mm	673 mm
4 Length of Track on Ground	3206 mm	3258 mm	3258 mm
5 Length of Basic Tractor (trunnion to tip of rear grouser)	4554 mm	4554 mm	4554 mm
With the following attachments add:			
Drawbar	406 mm	406 mm	406 mm
Ripper-Single Shank (w/tip at ground line and pinned in top hole)	1519 mm	1519 mm	–
Ripper-Multi-Shank (w/tip at ground line)	1613 mm	1613 mm	–
Winch	163 mm	163 mm	–
SU Blade	1844 mm	1844 mm	–
U Blade	2241 mm	2241 mm	–
A Blade	2027 mm	2027 mm	–
SU LGP Blade	–	–	1727 mm
6 Height of Grouser	78 mm	78 mm	78 mm
7 Ground Clearance	528 mm	519 mm	519 mm
Track Pitch	216 mm	216 mm	216 mm
Number of Shoes per side	44	44	44
Standard Shoe	560 mm	560 mm	965 mm
Ground Contact Area (std shoe)	3.58 m ²	3.63 m ²	6.3 m ²
Ground Pressure	0.92 kg/cm ²	0.87 kg/cm ²	0.54 kg/cm ²

Standard Equipment

Standard and optional equipment may vary. Consult your Caterpillar dealer for specifics.

Advanced Modular Cooling System (AMOCS)	Electrical Connectors / Deutsch	Rain Cap
Adjustable Comfort Seat (vinyl)	Electronic Distance Travel Indicator	Rearview Mirror
Air Cleaner, Precleaner with Dust Ejector	Electronic Engine - 3406E	Replaceable Sprocket Rim Segments
Air Cleaner Service Indicator - Electronic	Electronic Hourmeter	ROPS / FOPS Canopy (USA)
Alternator, 70 amp	Electronic Monitoring System	Scheduled Oil Sampling Ports
Armrests, adjustable	Electronic Powershift Transmission, 3 speed	Engine
Automatic Shifting Feature	Electronic Throttle Switch	Powertrain Oil
Autokickdown / Autodownshift	Ether Starting Aid	Hydraulics
Auto shift (2R/1F, 2R/2F, 1R/2F)	Extended Life Coolant	Schedule Coolant Sampling port (engine coolant)
Back-up Alarm	Final Drives With Four Planet Double Reduction Planetary	Seat Belt (retractable)
Batteries (4), 3000 Cold Cranking Amps (24V)	Front Towing Device	Starting Receptacle
Blower Fan	Fuel Priming Pump	Suspended Undercarriage With Eight Track Rollers
Control Deactivation Device (hydraulics)	Gauge Package - Temperature (coolant, hydraulic, powertrain) and Fuel Level	Torque Divider Transmission
Controlled Throttle Shifting	Hinged Extreme Service Bottom Guard	Track Guiding Guards
Controls, Hydraulic Pilot	Hinged Radiator Grill	Track, Sealed and Lubricated
Converter, 12 V, 10 amp (with two power outlets)	Horn	560 mm Moderate Service Shoes
Cooler, Hydraulic Oil	Hydraulic Oil Cooler	Two-piece Master Links
Decelerator Pedal	Hydraulic Track Adjusters	Vandalism Protection Includes
Diagnostic Connector	Hydraulic, two-valve, Lift and Tilt	Cap Locks for Fuel Tank
Differential Steering System With Touch Shift	Independent Steering and Implement Pumps	Engine Oil Filler
Direct Electric Starting, 24 Volt	Lifetime Lubricated Track Rollers and Idlers	Radiator Filler and Dip Stick
Ecology Drains	Lighting System, Halogen	Battery Box Locks (Two)
Engine Oil	Two Lights Forward on ROPS	Left Hand Service Area Cover Lock
Engine Coolant	Two Rear on Fuel Tank	Water Separator
Hydraulic Oil	Load Compensating Transmission Controls	
Fuel Tank Sediment	Load Sensing Hydraulics	
Powertrain Case	Muffler	
Transmission Case	OROPS Instrument Panel Guard	
Torque Converter	Pinned Equalizer Bar	
	Prescreener	

Optional Equipment

Approximate changes in operating weights.

	kg		kg
Bulldozer Arrangements Complete Bulldozers Installed		Other Attachments	
8A Bulldozer, Complete	5099	Counterweight, Rear	2331
8SU Bulldozer, Complete	4570	Counterweight, Additional	577
8U Bulldozer, Complete	5135	Drawbar, Rigid	288
Bulldozer Attachments		Enclosure, Engine	58
8SU Blade, with Rock Guard and Wear Plate	571	Fast Fuel Fill System	3
8SU Blade, with Push Plate	245	Sound Suppression, Exterior	1123
8U Blade, with Rock Guard	127	Powertrain	
Trunnion Covers, (replaces trunnions)	20	Fan, Reversible	-2
Electrical		Grid, Radiator Core Protector	25
Alternator, 100 amp	1	Oil Change System	5
Light, Ripper	14	Prelube, Engine, Automatic	7
Lights, Supplemental, 2 Front	9	Thermal Shield, Laminated	11
Lights, Supplemental, 4 Front	25	Ripper	
Relocation, ROPS to Sweeps, Lights	15	8 Ripper, Multi-Shank	4100
Field Installed Attachments		8 Ripper, Single-Shank	4140
Radio, 12V AM/FM Cassette	4	Pin Puller	97
Radio, 12V AM/FM	4	Tooth, Deep Ripping	91
Tool Kit	7	Tooth, Multi-Shank	345
Guards		Roller Options	
Grill, Radiator, Heavy duty	57	Carrier Rollers	315
Guard, Fuel Tank	214	Starting Aids	
Guard, Idler	5	Heater, Engine Coolant (120V)	2
Guard, Rear	71	Heater, Engine Coolant (240V)	2
Guard, Track Roller, Non-Susp	144	Heater, Diesel Fuel	3
Guard, Transmission	123	Tracks, Pair, Heavy Duty Sealed and Lubricated	
Guards, Pivot Shaft Seal	15	Standard	
Screen, Rear	83	560 mm (22 in) MS/TRAP	-117
Sweeps	279	560 mm (22 in) ES	433
Hydraulics		610 mm (24 in) MS/TRAP	85
Hydraulics, Ripper	63	610 mm (24 in) ES/TRAP	539
Hydraulics, Pin Puller	6	610 mm (24 in) CHOPPER	1041
Non-Suspended Undercarriage		610 mm (24 in) ES	674
Undercarriage, Non-Suspended (does not include carrier roller)	-1015	610 mm (24 in) MS	203
Undercarriage, Non-Suspended (includes carrier roller)	-603	660 mm (26 in) MS/TRAP	288
Operator Environment		660 mm (26 in) ES/TRAP	780
Air Conditioner	66	660 mm (26 in) ES	915
Air Conditioner, Fender Mounted	107	660 mm (26 in) MS	405
Air Conditioner, ROPS Mounted	410	710 mm (28 in) MS/TRAP	490
Air Suspension Seat	8	710 mm (28 in) MS	608
Cab	539	LGP	
Operators Arrangement (gives additional comfort and visibility for smaller operators)	50	810 mm (32 in) MS/TRAP	896
Seat, Vinyl	1	965 mm (38 in) MS	1620
		965 mm (38 in) MS/TRAP	1503

D8R Series II Track-Type Tractor

HEHT5411 (2/2001) hr

Materials and specifications are subject to change without notice.
Featured machines in photos may include additional equipment.
See your Caterpillar dealer for available options.

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