

D8R

Track-Type Tractor



Engine

Engine Model	Cat® 3406C DITA	
Engine Power (Maximum)		
ISO 14396	247 kW	331 hp
ISO 14396 (DIN)		335 hp
Net Power (Rated)		
ISO 9249/SAE J1349	226 kW	303 hp
ISO 9249/SAE J1349 (DIN)		307 hp
Net Power (Maximum)		
ISO 9249/SAE J1349	239 kW	320 hp
ISO 9249/SAE J1349 (DIN)		325 hp

Weights

Operating Weight – Standard	37 920 kg	83,600 lb
Operating Weight – LGP	35 176 kg	77,550 lb
Shipping Weight – Standard	28 365 kg	62,534 lb
Shipping Weight – LGP	29 257 kg	64,500 lb

Features

Cat® 3406C Engine

Cat engines combine the power and durability to get work done with ease of serviceability and a high level of efficiency.

Drive Train

Powershift transmission, differential steering, and durable final drives.

Operator Station

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

Serviceability and Customer Support

Combining easy-access, modular components with the Cat dealer repair and rebuild capability ensures timely machine repair and minimum downtime.



Contents

Cab and Controls.....	3
Engine	4
Power Train.....	5
Structures.....	6
Undercarriage	7
Work Tools.....	8
Serviceability	9
Total Customer Support	10
D8R Track-Type Tractor Specifications.....	11
D8R Standard Equipment.....	15
D8R Attachments	16
Notes.....	17

Caterpillar has been the world leader in Track-Type Tractors for more than a century. The D8R combines legendary Cat durability and reliability with proven technology designed to improve your productivity and your bottom line. From rugged structures to fully integrated engine and power train systems, the D8R is a world-class tractor built to help you produce the highest quality work in a variety of applications.

Cab and Controls

Productivity, safety, comfort

Operator Environment

The D8R features an isolation-mounted, pressurized cab that reduces noise and vibration. Large, single pane windows offer good views all around the machine for maximum productivity and enhanced job site safety. The Comfort Series seat is offset by 15 degrees for better visibility. It features fully adjustable positioning and armrests to provide a comfortable platform when working on steep grades or slopes.

Gauges and warning lights on the in-dash instrument cluster are easy to read, even in direct sunlight. The Cat Electronic Monitoring System (EMS) provides alert indicators that monitor key machine components. The system provides three levels of warning and system monitoring so the operator can stay informed and still concentrate on the job.

Heating and air conditioning vents evenly distribute airflow within the cab. The cab is pre-wired for a 12-volt or 24-volt radio, equipped with two speakers, an antenna and a radio mount recessed in the headliner.

Dozer and Ripper Controls

All D8R controls are ergonomically designed for low-effort and ease of operation. The dozer and ripper control levers feature load-sensing hydraulics for added operator comfort and precise control. Load-sensing hydraulics adjusts implement and hydraulic power to increase both operator and machine efficiency. The hydraulic system features a dedicated implement pump to ensure adequate hydraulic power is available. The D8R features optional dual blade tilt for further productivity enhancement.

Comfortable, Non-tiring Operation

Low effort controls and a Cat Contour Series Seat, with wide retractable seat belt, provides an environment that reduces fatigue and maximizes productivity.

Steering and Transmission Control

The operator uses a single handle control to perform all direction and gear selection. The tiller bar control allows the operator to work more precisely in close areas around structures, grade stakes and other machines. Differential Steering provides the finest modulation in the industry in maintaining power to both sides of the track during a turn and maintaining constant center-line speed. Hydraulics via a separate dedicated pump, are used to steer and has a dedicated pump to deliver more load-moving power during turns.

Clear Full-circle View

A tapered hood and notched fuel tank give the operator a clear line of site to front and rear work areas.



Engine

Power and reliability



Caterpillar is one of the world's leading engine manufacturers. Every component of a Cat engine is carefully designed with precise controls that optimize power and fuel efficiency with a modular design to enhance the engine's serviceability.

Engine

Large displacement and high torque rise allow the D8R to doze through tough material. The high displacement rating allows long hours of continuous operation.

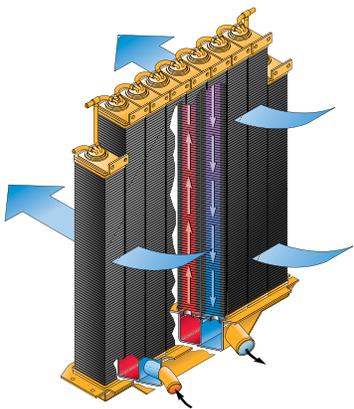
Turbocharging and after-cooling provide high horsepower while keeping RPM and exhaust temperatures low. The efficient, direct injection fuel system keeps fuel costs down. A steel spacer between the block and head eliminates the need for block counter-bores, extending block life.

Engine components live longer because oil cooled pistons and full-length water cooled cylinder liners provide maximum heat transfer for longer component life. The cylinder heads also utilize additional coolant passages to provide maximum cooling to the rear of the engine. Stellite-faced valves, through-hardened crankshaft journals and steel-backed, copper-bonded aluminum bearings help assure reliable performance in the toughest duty.

Cooling System

The Advanced Modular Cooling System (AMOCS) has excellent cooling capacity with increased air flow. AMOCS allows the machine to be operated in the most demanding environments. Two pass cooling increases the relevant surface area for maximum cooling capacity.

Servicing is quick and easy with individual radiator cores that can be quickly replaced.





Power Train

Powerful efficiency

The power shift transmission, unique Cat torque divider and differential steering are matched with the 3406C engine to deliver outstanding power and reliability. The integrated system efficiently puts more power to the ground, utilizing more of the available horsepower, so you get more done with less.

Differential Steering System

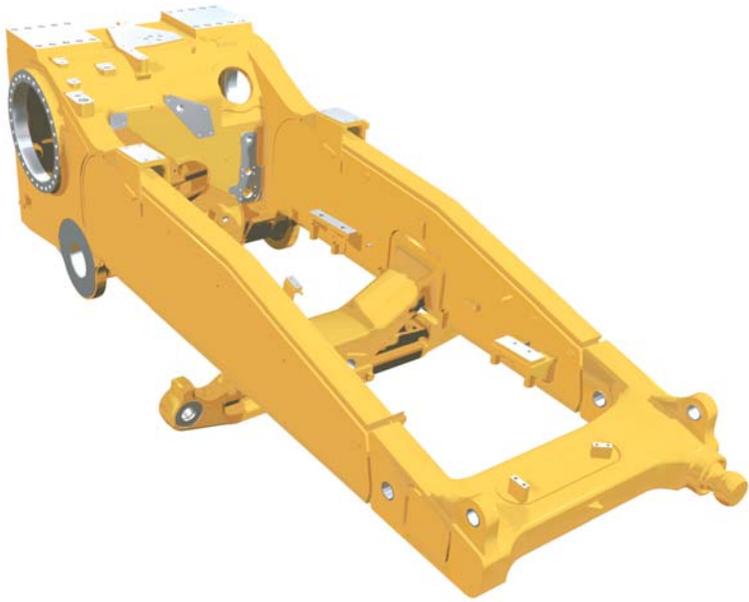
Differential steering puts you on the leading edge of productivity by maintaining power to both tracks while turning. When one track speeds up, the other slows down an equal amount. Maneuverability – especially with large blade loads – is improved, as well as cycle times in other applications. Greater load capacity, power and speed control are possible in soft underfoot conditions on steep slopes because both tracks are powered during turns. A single tiller bar controls all directional and speed functions for ease of operation.

Torque Divider

A unique Cat torque divider sends 70 percent of engine torque through a converter and 30 percent through a direct drive shaft for greater driveline efficiency and higher torque multiplication. The D8R torque divider provides high reliability and low dynamic torque. Components are designed to absorb full engine power, and deliver an optimum combination of operator efficiency and driveline reliability.

Planetary Power Shift Transmission

The transmission includes three speeds forward and three speeds reverse, featuring thick, large diameter, high capacity, oil-cooled clutches. These clutches provide higher torque capacity and increase service life. The planetary power shift transmission has a proven, robust mechanical control system. Modular transmission and differential slide into rear case for servicing ease, even when a ripper is installed. An oil-to-water cooler provides maximum cooling capacity, and forced oil flow lubricates and cools clutch packs for maximum clutch life.



Structures

Rugged design for maximum service

The foundation of every Cat dozer is a rugged frame built to absorb high impact shock loads and twisting forces. Castings provide added strength to the main case and equalizer bar saddle.

The pivot shaft runs through the mainframe and connects the roller frame for independent oscillation. The full-length pivot shaft distributes impact loads throughout the case, reducing bending stresses on the case. This design eliminates alignment problems and the need for diagonal braces on the roller frames.

The pinned equalizer bar gives the roller frames the ability to oscillate up and down to better match ground contours for maximum traction and operator comfort. Equalizer bar end pins are oil filled with limited slip seals for longer life and reduced repair costs. A low friction, no maintenance bushing is used in the saddle connection and resilient pads restrain equalizer bar oscillation.

The D8R also features the tag-link design to mount the blade closer to the machine for excellent maneuverability, machine balance and blade penetration. The tag-link provides solid lateral stability and eliminates the need for diagonal bracing since it transfers side loads to the mainframe instead of dozer push-arms.

Undercarriage

Proven productivity

Since its ground-breaking introduction in 1978, the Cat elevated sprocket undercarriage arrangements allow optimized balance for best possible performance in each application. This is a field-proven design that offers outstanding machine performance and longer component life.

Ground and implement shock loads are transferred to the mainframe to protect final drives, axles and steering components from harsh impacts for longer component life.

The elevated sprocket design gives the operator excellent sight lines to the blade, sides and back of the machine. However, machine center of gravity remains low, offering excellent stability, balance and traction.

The suspended undercarriage design absorbs impact loads to reduce the shock loads transferred to the undercarriage by up to 50 percent in uneven terrain. The bogie suspension conforms closely to the ground providing up to 15 percent more ground contact, especially in hard, uneven terrain. Higher traction means less slippage, better balance, and a smoother ride.

Modular power train components make it quick to remove and repair the transmission, final drives, steering differential or brakes.

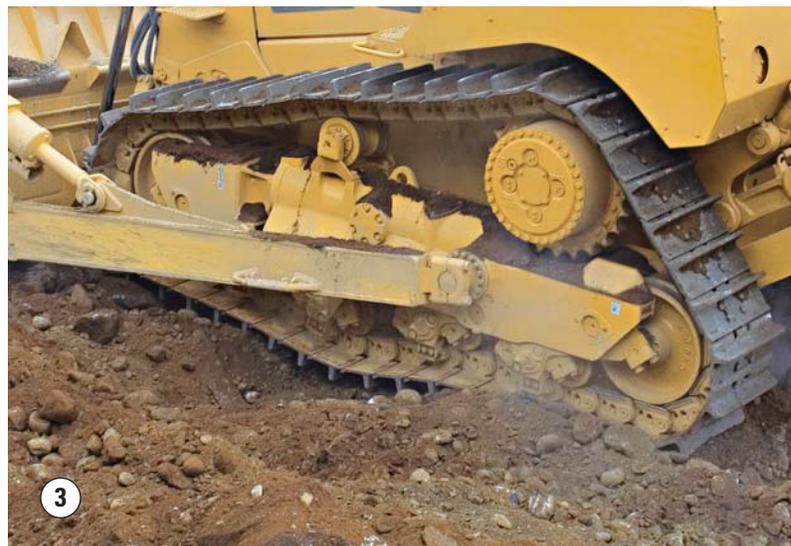
Modular undercarriage components simplify service. Lifetime lubricated idlers and track/carrier rollers provide the ability to re-use internal components and rebuild or reshell components. This reduces owning and operating costs, and saves raw materials and natural resources.

Sealed and Lubricated Undercarriage

Standard on the D8R is Sealed and Lubricated Track with a Cat Positive Pin Retention (PPR) system and is designed for high-impact and high load applications. The PPR is an exclusive Caterpillar design locks the link to the pin to ensure internal lubrication between track pin and bushing is maintained.

SystemOne™ Undercarriage

Optional SystemOne undercarriage can help reduce total undercarriage owning and operating costs in many applications. SystemOne features lifetime sealed and lubricated cartridges to eliminate bushing turns, and sprockets require no replacement during the life of the chain and designed to work and wear as a system.



- 1) Positive Pin Retention Sealed and Lubricated Track
- 2) SystemOne™ Undercarriage
- 3) Fully Suspended Bogie Undercarriage

Work Tools

Equipped for the job



Load Sensing Hydraulics

Field-proven, load-sensing hydraulics respond to operating requirements by automatically and continually adjusting hydraulic power to maximize work tool efficiency.

Cat Blades

Blade design features a strong box-section design, made from Cat DH-2™ steel with high tensile strength to stand up to the most severe applications. Heavy moldboard construction and hardened bolt-on cutting edges and end bits add strength and durability.

- The Semi-Universal blade is built for tough applications where penetration is more important than capacity. The “SU” blade combines aggressive penetrating and loading material characteristics with blade wings designed for superior load retention and penetration in tightly packed materials.
- Optional blades include an Angle and Universal blades for specific applications.

Cat Rippers

Single and multi-shank adjustable parallelogram rippers are made to penetrate tough material fast and rip thoroughly for use in a variety of materials.

- Single-Shank rippers allow operators to adjust the shank depth from the seat using an optional single shank pin puller. Large upper frame view hole improves ripper tip visibility. Heat-treated spacer bars in the ripper carriage extend pocket life and reduce shank notching. Large one-piece shank is available in deep rip configuration.
- Multi-Shank rippers tailor the tractor to the material by using one, two or three shanks.

Rear Counterweight

Optimize balance for backing up steep slopes or increasing performance in heavy dozing applications. Proper machine balance also helps the undercarriage wear more evenly. Rear counterweights are recommended if another rear attachment is not specified.

Winch

See your Cat dealer for available Winch options best suited to your applications.



Serviceability

Stay up and running

Cat machines are designed with serviceability in mind. Modular components, easy access to regular service points and features that enable quicker diagnostics all add up to less maintenance time and more time on the job.

Cat Electronic Monitoring System (EMS)

The D8R features a monitoring system that keeps the operator informed on the operating conditions of the machines. Simple easy to read gauges and warning system to the operator provides the operator with important feedback and allows them to continue with the task at hand. The Gauge Group includes engine coolant temperature, power train oil temperature, hydraulic oil temperature and fuel level. The EMS provides alert indicators that monitor coolant flow, coolant temperature, engine oil pressure, transmission oil temperature, transmission oil filter, alternator and hydraulic oil filter.

S·O·SSM Analysis

Monitor machine health and identify key maintenance needs before they lead to downtime through Cat S·O·S Services. Cat machines feature live sampling ports for the engine oil, power train hydraulics and coolant. Cat oil sampling offers accurate analysis using tests designed by Caterpillar for Cat products, as well as knowledgeable interpretation of the results.

Built to be Rebuilt

Major components on the D8R are built to be rebuilt, extending the useful life of the machine. Machine and component rebuilds save money, and offer a sustainability element by saving raw materials and natural resources. See your Cat dealer to learn more about rebuild options.

Total Customer Support

Renowned dealer support



Only Cat machines come with the industry's best sales and service support – the Cat dealer network. From helping you choose the right machine to ongoing support, your Cat dealer provides the best in sales and service. Manage your costs with preventive maintenance programs like Custom Track Service, S-O-S Services and guaranteed maintenance contracts. Stay productive with best-in-class parts availability. Your Cat dealer can even help with operator training to help you boost your profits.

And when it's time for replacement, your Cat dealer can help you save even more with Genuine Cat Remanufactured parts. Remanufactured power train and hydraulic components cost less, but come with the same warranty and reliability as new products. Talk with your Cat dealer to learn more about reducing waste and saving money through Cat Remanufacturing.



D8R Track-Type Tractor Specifications

Engine

Engine Model	Cat 3406C DITA*	
Engine Power (Maximum)		
SAE J1995	252 kW	338 hp
ISO 14396	247 kW	331 hp
ISO 14396 (DIN)	335 hp	
Net Power (Rated**)		
ISO 9249/ SAE J1349	226 kW	303 hp
ISO 9249/ SAE J1349 (DIN)	307 hp	
80/1269/EEC	226 kW	303 hp
Net Power (Maximum)		
ISO 9249/ SAE J1349	239 kW	320 hp
ISO 9249/ SAE J1349 (DIN)	325 hp	
80/1269/EEC	239 kW	320 hp
Bore	137 mm	5.4 in
Stroke	165 mm	6.5 in
Displacement	14.6 L	893 in ³

*Note: Capable of meeting non-current U.S. EPA Tier 1 or EU Stage I emission standards.

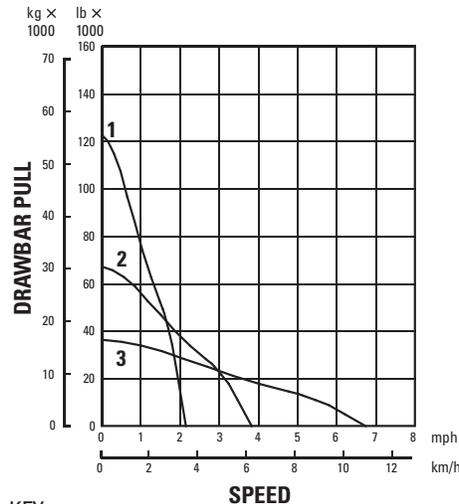
** Rated speed 2,100 rpm.

- Net power advertised is the power available at the flywheel when engine is equipped with a fan at maximum speed, air cleaner, muffler and alternator.
- No deratings required up to 3800 m (12,500 ft) altitude.

Transmission

1.0 Forward	3.5 km/h	2.2 mph
2.0 Forward	6.2 km/h	3.9 mph
3.0 Forward	10.8 km/h	6.7 mph
1.0 Reverse	4.7 km/h	2.9 mph
2.0 Reverse	8.1 km/h	5.0 mph
3.0 Reverse	13.9 km/h	8.6 mph

D8R D8R LGP



KEY

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

NOTE: Usable pull will depend upon weight and traction of equipped tractor.

Service Refill Capacities

Fuel Tank	625 L	165 gal
Cooling System	92 L	24.3 gal
Engine Crankcase	32.5 L	8.6 gal
Power Train	144 L	38 gal
Final Drives (each)	13.5 L	3.6 gal
Pivot Shaft	40 L	2.6 gal
Hydraulic Tank	72 L	19 gal

Weights

Operating Weight – Standard	37 920 kg	83,600 lb
Operating Weight – LGP	35 176 kg	77,550 lb
Shipping Weight – Standard	28 365 kg	62,534 lb
Shipping Weight – LGP	29 257 kg	64,500 lb

- Standard operating weight includes lubricants, coolant, full fuel tank, standard track, ROPS cab, air conditioner, hydraulic controls, SU-Blade, SS-Ripper and operator.
- LGP operating weight includes lubricants, coolant, full fuel tank, standard track, ROPS cab, air conditioner, hydraulic controls, SU-Blade, drawbar and operator.
- Shipping weight includes lubricants, coolant, 10% fuel tank, standard track, ROPS cab, air conditioner and hydraulic controls.

Undercarriage – Standard

Shoe Type	Moderate Service	
Width of Shoe	610 mm	24 in
Shoes/Side	44	
Track Rollers per Side	8	
Grouser Height	78 mm	3.1 in
Pitch	216 mm	8.5 in
Ground Clearance	613 mm	24.1 in
Track Gauge	2083 mm	82 in
Length of Track on Ground	3206 mm	126 in
Ground Contact Area	3.91 m ²	6,060 in ²
Ground Pressure (ISO 16754)	95.1 kPa	13.8 psi

Undercarriage – LGP

Shoe Type	Moderate Service	
Width of Shoe	965 mm	38 in
Shoes/Side	44	
Track Rollers per Side	8	
Grouser Height	78 mm	3.1 in
Pitch	216 mm	8.5 in
Ground Clearance	613 mm	24.1 in
Track Gauge	2337 mm	92 in
Length of Track on Ground	3206 mm	126 in
Ground Contact Area	6.19 m ²	9,593 in ²
Ground Pressure	55.8 kPa	8.1 psi

D8R Track-Type Tractor Specifications

Hydraulic Controls		
Pump Type – Implements	Variable Displacement Piston	
Pump Capacity at	7000 kPa	1,015 psi
RPM at Rated Engine Speed	2,100 rpm	
Pump Output	239 L/min	63.1 gal/min
Lift Cylinder Flow	325 L/min	85.9 gal/min
Tilt Cylinder Flow	170 L/min	44.9 gal/min
Ripper Cylinder Flow	190 L/min	50.2 gal/min

Hydraulic Controls – Main Relief Valve		
Pressure Setting	24 100 kPa	3,500 psi

Hydraulic Controls – Maximum Operating Pressure		
Bulldozer, Lift	24 100 kPa	3,500 psi
Bulldozer, Tilt	24 100 kPa	3,500 psi
Ripper, Lift	24 100 kPa	3,500 psi
Ripper, Tilt	24 100 kPa	3,500 psi
Steering	38 000 kPa	5,511 psi

Blades		
SU – Blade Capacity	8.70 m ³	11.38 yd ³
SU – Blade Width	3937 mm	155.0 in
U – Blade Capacity	11.70 m ³	15.30 yd ³
U – Blade Width	4262 mm	167.8 in
A – Blade Capacity	4.70 m ³	6.15 yd ³
A – Blade Width	4978 mm	196.0 in
SU LGP – Blade Capacity	8.50 m ³	11.12 yd ³
SU LGP – Blade Width	4400 mm	173.2 in

• Blade capacities are measured to recommended practice as to SAE J1265.

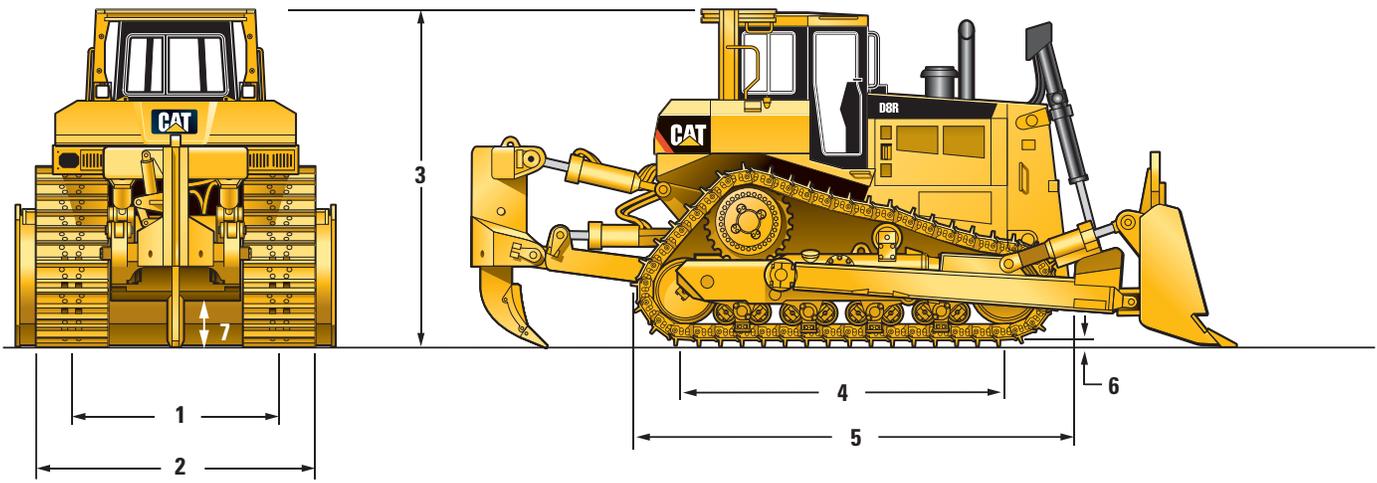
Ripper		
Type	Adjustable Parallelogram Multi-Shank	
Number of Pockets	3	
Weight with Three Shanks	4877 kg	10,572 lb
Overall Beam Width	2464 mm	97 in
Maximum Penetration	780 mm	30.7 in
Maximum Penetration Force	124.2 kN	27,971 lbf
Pryout Force	227.9 kN	51,234 lbf
Type	Adjustable Parallelogram Single-Shank	
Number of Pockets	1	
Weight with Standard Single Shank	4085 kg	9,006 lb
Maximum Penetration	1135 mm	44.7 in
Maximum Penetration Force	127.4 kN	28,641 lbf
Pryout Force	222.8 kN	50,087 lbf

Standards	
ROPS/FOPS	ROPS (Rollover Protective Structure) offered by Caterpillar for the machine meets ROPS criteria ISO 3471:2008 FOPS (Falling Object Protective Structure) meets ISO 3449:2005
Brakes	Brakes meet the standard SAE J/ISO 10265:2008
Cab	Meets the appropriate standards as listed below

- The declared dynamic operator sound pressure level is 85 dB(A) when “ISO 6396:2008” is used to measure the value for an enclosed cab. The cab was properly installed and maintained. The measurement was conducted with the cab doors and the cab windows closed.
- Hearing protection may be needed when the machine is operated with an open operator station for extended periods or in a noisy environment. Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors and windows are open for extended periods or in a noisy environment.
- The declared exterior sound power level is 116 dB(A) when the value is measured according to the dynamic test procedures and the conditions that are specified in “ISO 6395:2008.”

Dimensions

(approximate)



	Standard		Non-Suspended		LGP*	
1 Track Gauge	2083 mm	82.0 in	2082 mm	82.0 in	2337 mm	92.0 in
2 Width of Tractor						
Over Trunnions	3057 mm	120.4 in	3050 mm	120.1 in	3377 mm	132.9 in
Without Trunnions (standard shoe width)	2642 mm	104.0 in	2642 mm	104.0 in	3302 mm	130.0 in
3 Machine Height, from Tip of Grouser						
Exhaust Stack	3489 mm	137.4 in	3480 mm	137.0 in	3480 mm	137.0 in
OOPS	3520 mm	138.6 in	3511 mm	138.2 in	3511 mm	138.2 in
EROPS	3500 mm	137.8 in	3491 mm	137.4 in	3491 mm	137.4 in
4 Length of Track on Ground	3206 mm	126.2 in	3258 mm	128.3 in	3258 mm	128.3 in
5 Length of Basic Tractor (tag link trunnion to tip of rear grouser)	4554 mm	179.3 in	4554 mm	179.3 in	4554 mm	179.3 in
With following attachments add:						
Ripper – Single Shank (with tip at ground line)	1519 mm	59.8 in	1519 mm	59.8 in		N/A
Ripper – Multi Shank (with tip at ground line)	1613 mm	63.5 in	1613 mm	63.5 in		N/A
SU Blade	1844 mm	72.6 in	1844 mm	72.6 in	1844 mm	72.6 in
U Blade	2241 mm	88.2 in	2241 mm	88.2 in		N/A
A Blade (not angled)	2027 mm	79.8 in	2027 mm	79.8 in		N/A
A Blade (angled 25 deg.)	3068 mm	120.8 in	3068 mm	120.8 in		N/A
Drawbar	406 mm	16.0 in	406 mm	16.0 in	406 mm	16.0 in
6 Height of Grouser	78 mm	3.1 in	78 mm	3.1 in	78 mm	3.1 in
7 Ground Clearance	613 mm	24.1 in	606 mm	23.8 in	606 mm	23.8 in

* Standard shoe width of D8R LGP with non-suspended undercarriage is 965 mm (38 in).

D8R Track-Type Tractor Specifications

Bulldozers

Blade		8 SU	8 U	8 A	8 SU LGP
Blade Capacity	m ³	8.7	11.7	4.7	8.5
	yd ³	11.4	15.3	6.1	11.1
Width	mm	3937	4262	4978	4400
	ft/in	12'11"	14'0"	16'4"	14'5"
Height	mm	1690	1740	1174	1612
	ft/in	5'7"	5'9"	3'10"	5'3"
Digging Depth	mm	582	582	628	582
	in	22.9	22.9	24.7	22.9
Ground Clearance	mm	1231	1231	1308	1231
	ft/in	4'0"	4'0"	4'4"	4'0"
Maximum Tilt	mm	951	1028	729	914
	ft/in	3'1"	3'5"	2'5"	3'0"
Weight*	kg	4570	5135	5099	4850
	lb	10,074	11,320	11,241	10,694

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.

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	–	–	2464
	ft/in	–	–	8'1"
Maximum Penetration Force* (shank vertical)	kN	124.9	122.6	118.5
	lb	28,060	27,560	26,628
Pryout Force	kN	281.4	281.4	303.2
	lb	63,237	63,237	68,128
Maximum Penetration (standard tip)	mm	1158	1602	786
	ft/in	3'10"	5'3"	2'7"
Maximum Clearance Raised (under tip, pinned in bottom hole)	mm	670	840	624
	in	26	33	24.5
Number of Shank Holes (vertical adjustment)		3	3	2
Weight (without hydraulic controls)	kg	4140	4378	4100
	lb	9,119	9,643	9,031
Total Operating Weight (with 8 SU blade and ripper)**	kg	37,875	38,113	37,835
	lb	83,500	84,024	83,394

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

** Operating weights are calculated based on suspended undercarriage configuration found in the weights section (see page 11).

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

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

ELECTRICAL

- 75 amp alternator
- Back-up alarm
- Forward warning horn
- Starting receptacle
- Four maintenance free 12V batteries (24V system)
- Halogen lighting system (two forward, two rearward)

OPERATOR ENVIRONMENT

- ROPS/FOPS canopy
- EMS (Electronic Monitoring System) with temperature gauges
- Fuel level gauge
- Cloth suspension seat
- Retractable seat belt (76 mm/3 in)
- Rearview mirror

POWER TRAIN

- Cat 3406 Diesel DITA engine with 24 volt electric starting
- Blower fan
- Decelerator
- Engine doors
- Fuel priming pump
- Muffler
- Advanced Modular Cooling System
- Extended life coolant
- Precleaner with dust ejector
- Prescreener
- Torque divider
- Powershift transmission (3 speed)
- Four planet double reduction planetary final drives
- Differential steering with dual-twist tiller control

UNDERCARRIAGE

- Suspension-type undercarriage
- Eight-roller tubular track roller frame
- Hydraulic track adjusters
- Track guides
- 610 mm (24 in) PPR Moderate Service (MS) grouser with sealed and lubricated track (44 section)

OTHER STANDARD EQUIPMENT

- Independent steering and implement hydraulic pumps
- Hydraulic oil cooler
- Three valve hydraulic system for bulldozer and ripper control
- Hinged radiator and fanblast deflector guards
- Hinged bottom guards with front towing device
- Lift cylinders (with two forward lights)

D8R Attachments

Attachments may vary. Consult your Cat dealer for details. Weights are approximate.

	Additional Weight	
	kg	lb
ELECTRICAL		
Light, Ripper	3	7
Lights, Six (1)	12	26
Lights, Ten (10)	24	53

GUARDS		
Final Drive Seals	18	40
Final Drive, Clamshell	150	331
Fuel and Hydraulic Tank	256	564
Bottom Guards	70	154
Rear Power Train	129	284
Rear Tractor	74	163
Radiator, Heavy-Duty Hinged	148	326
Screen, Rear, Cab	86	190
Screen, Rear, Canopy	65	143
Sweeps, Logging	310	683

OPERATOR ENVIRONMENT		
Cab, ROPS/FOPS	550	1,213
Air Conditioner, Under Hood	57	126
Air Conditioner, Fender Mounted	160	353
Air Conditioner, ROPS Mounted	154	340

POWER TRAIN		
Fast-Fill, Fuel System	8	17
Fast-Fill, Engine Oil System	5	11
Radiator Core Protector Grid	11	24
Fan, Reversible (manual)	6	13
Heater, Fuel	5	11
Heater, Engine Coolant	2	4
Thermoshield, Laminated	11	24

	Additional Weight	
	kg	lb
UNDERCARRIAGE		
Pair, HD Sealed and Lubricated, PPR		
610 mm (24 in), ES	471	1,038
610 mm (24 in), MS, TRAP	348	767
610 mm (24 in), MS, Chopper	814	1,795
610 mm (24 in), SES	936	2,064
660 mm (26 in), MS	199	439
660 mm (26 in), ES	708	1,561
660 mm (26 in), ES, TRAP	584	1,287
660 mm (26 in), SES, TRAP	1101	2,427
710 mm (28 in), MS	398	877
710 mm (28 in), MS, TRAP	290	639
965 mm (38 in), ES	2153	4,747
965 mm (38 in), ES, TRAP	2030	4,475
Pair, SystemOne™		
610 mm (24 in), ES	538	1,186
610 mm (24 in), ES, CTR-HOLE	429	946
610 mm (24 in), SES	1004	2,213
610 mm (24 in), SES, CTR-HOLE	899	1,982
660 mm (26 in), ES	775	1,709
660 mm (26 in), ES, CTR-HOLE	666	1,468
660 mm (26 in), SES	1170	2,579
660 mm (26 in), SES, CTR-HOLE	1167	2,573
710 mm (28 in), ES	1012	2,231
710 mm (28 in), SES	1572	3,466
Carrier Rollers (pair)	498	1,098
Arctic Seals, Rollers and Idlers	0	0
Guard, Track Roller (non-Suspended)	299	659
LGP Track Roller Frames	70	154

	Additional Weight	
	kg	lb
REAR ATTACHMENTS		
Rear Counterweight (Basic)	2335	5,148
Rear Counterweight (additional slab)	572	1,261
Ripper – Single Shank, (Standard Arrangement)	4085	9,006
Ripper – Single Shank, (Deep Ripping Arrangement)	4260	9,392
Ripper – Multi Shank (includes one shank)	4213	9,288
Ripper Shank (for Multi Shank ripper)	332	732

BULLDOZER ATTACHMENTS		
Rock Guard (8SU only)	115	254
Rock Guard and Wear Plate (8SU only)	552	1,217
Push plate (8SU only)	234	516
Tilt Cylinders (8A only)	311	686
Dual Tilt Cylinders (8SU and 8U)	1514	3,338
Dual Tilt Cylinders (8SU LGP)	1545	3,406
Dozer Tilt Line Guards	36	79

SPECIAL ARRANGEMENTS		
Waste Handling Arrangement	424	935

D8R Track-Type Tractor

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

© 2012 Caterpillar Inc.
All rights reserved

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

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

AEHQ6045-02 (11-2012)
Replaces AEHQ6045-01

