### Engine – Standard and XL/LGP

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat® C9 ACERT™</th>
<th>Emissions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Meets U.S. EPA Tier 2/ EU Stage II equivalent and Certified to China Nonroad II emission standards.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Net Power (Maximum) – Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9249/SAE J1349</td>
</tr>
<tr>
<td>ISO 9249/SAE J1349 (DIN)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Net Power (Maximum) – XL/LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9249/SAE J1349</td>
</tr>
<tr>
<td>ISO 9249/SAE J1349 (DIN)</td>
</tr>
</tbody>
</table>

### Weights

<table>
<thead>
<tr>
<th>Operating Weight – Standard</th>
<th>18 984-19 448 kg</th>
<th>41,853-42,875 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight – XL</td>
<td>19 914-19 969 kg</td>
<td>43,903-44,024 lb</td>
</tr>
<tr>
<td>Operating Weight – LGP</td>
<td>21 661 kg</td>
<td>47,754 lb</td>
</tr>
</tbody>
</table>
D6R2 Features

Ease of Operation
An updated cab provides greater visibility and comfort to help your operators work more productively. Single twist tiller control and optional automatic machine settings help reduce operator effort for greater efficiency.

Performance
A Cat C9 ACERT engine gives you the horsepower you need to doze through tough conditions. The new two-pump hydraulic system means you can count on simultaneous blade response and steering performance for greater precision and maneuverability. Differential Steering increases the speed of one track while slowing the other one down to give you exceptional turning, even with a full blade load.

Durability
Caterpillar elevated sprocket design offers added durability and optimum machine balance. Forestry, Waste Handling, and Cold Weather arrangements offer added features and protection to take on especially harsh environments.

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Power and Performance....................................6
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Special Arrangements .....................................11
Serviceability and Customer Support ............12
Specifications ....................................................14
Standard Equipment .........................................20
Optional Equipment...........................................21
Notes.................................................................22
The Cat D6R2 dozer comes to your job site backed by more than 100 years of track-type tractor leadership. Caterpillar designs and builds the integrated engine and power train to work together so you experience maximum productivity, efficiency and reliability. Features like two-pump hydraulics and differential steering bring you a new level of versatility and maneuverability. From rugged structures to operator comfort, the D6R2 is a world-class dozer built to help you produce the highest quality work in a variety of applications.
An updated cab, with an Integrated Roll Over Protection Structure (ROPS), gives operators greater all around visibility to enhance safety and productivity. It offers a quieter interior, with improved pressurization to help keep dust out for a cleaner operating environment. The standard suspension seat offers eight operator adjustments and adjustable armrests for greater comfort. The seat also features an integrated, retractable 76 mm wide (3 in) seat belt for enhanced safety.

The redesigned instrument panel has easy-to-read gauges showing fuel level and engine speed, as well as temperature levels for power train oil, hydraulic oil and engine coolant.

The updated Cat Electronic Monitoring System has three levels of machine monitoring and warnings. Lights and/or alarms keep operators informed about conditions like restrictions to engine intake air, power train or fuel filters or water in the fuel.
Implement and Steering Controls
D6R2 controls are ergonomically designed for low-effort and ease of operation.

• The operator uses a single handle control to perform all direction and gear selection for ease of operation.
• The tiller bar control allows the operator to work more precisely in close areas around structures, obstacles on the site and other machines.
• Change gears up or down with the touch of a button.
• Engine throttle speed is controlled by simply using a rotary dial.
• Setting the engine throttle dial to the optional Auto Shift mode gives you two additional gear speeds. Auto Shift enables the machine to automatically down shift to the most efficient gear based on load. This helps you save fuel and increase productivity.
• Optional bi-directional control allows the operator to dial to preselected forward/reverse gears for reduced operator effort and improved efficiency.
• Pilot hydraulic implement controls reduce operator effort and offer more consistent, precise and responsive operation.
• Implement Lock-Out prevents inadvertent operation of hydraulic attachments.

1) Tiller bar
2) Standard engine throttle control
3) Engine throttle control with optional Auto Shift
4) Optional bi-directional control
5) Implement lockout
Power and Performance
Designed to get the job done

**Engine**
Precise controls on the Cat C9 ACERT engine optimize power and fuel efficiency while reducing emissions.

**Planetary Power Shift Transmission**
The proven, electronically controlled transmission features three speeds forward and three speeds reverse. The Auto Shift option adds two gear speeds for five working speeds forward and four working speeds reverse. Large diameter, high capacity, oil-cooled clutches provide higher torque capacity and increase service life. Modular components offer easy service access.

**Cooling System**
A larger fan and updated aluminum bar plate cooling system is more efficient than the previous model and gives you better cooling capability to handle high ambient conditions.
Differential Steering
Differential Steering increases the speed of one track while slowing the other one down to give you exceptional turning, even with a full blade load. This provides greater maneuverability and faster cycle times. You also get better load capacity, power and speed control in soft underfoot conditions.

Two-Pump Hydraulic System
New dedicated implement and steering pumps mean you can count on simultaneous blade response and steering performance. This gives you precision and maneuverability that is especially beneficial for working in close quarters on construction sites or land clearing.

Load Sensing Hydraulics
Field-proven system senses load and uses a variable displacement piston pump to continuously adjust implement hydraulic power for maximum efficiency.

Torque Divider
A single stage torque divider sends 70 percent of engine torque through a converter and the other 30 percent through a planetary gear set so you get more power to the ground.
Equipped for the Job
Tough from the inside out

Structures
The foundation of every Cat dozer is a rugged mainframe built to absorb high impact shock loads and twisting forces. Castings add strength to the main case and equalizer bar saddle. A modular design allows easy installation and removal of major components for service/rebuild.

The pinned pivot shafts connect the mainframe and roller frames for independent oscillation. This provides strength and excellent ground clearance. The machine is able to better follow ground contours for maximum traction and operator comfort.

Bulldozers
L-shaped push arms give you an advantage over diagonal brace designs by bringing the blade closer to the machine. This gives you better balance, maneuverability and blade penetration. The design also gives you lateral stability and better cylinder positions for constant pryout capability regardless of blade height. The trunnion joint design requires no adjustments to keep the blade tight.

Dozer blades are manufactured from high tensile strength steel, with a robust multi-cell design to stand up to the most severe applications. The moldboard is highly abrasion resistant to prevent wear-through. Hardened bolt-on cutting edges and end bits give you better penetration and can be rotated and/or replaced for even longer blade service life. Semi-Universal, Straight and Angle Blades are available, as well as special blades for landfill and land clearing applications.
Rear Implements
A three-shank fixed parallelogram-type ripper is available with curved or straight ripper shanks. An updated design has fewer grease points for reduced maintenance and longer service life.

Rear counterweights optimize balance for backing up steep slopes or increasing performance in heavy dozing applications.

Choose a drawbar for towing and recovery, or outfit your D6R2 with a winch.

Please consult your Cat dealer for available options to best suit the types of work you do.

Undercarriage
The elevated sprocket design helps protect major components from harsh impacts and provides a modular design for convenient service. The operator has excellent sight lines to the blade, sides and back of the machine. The center of gravity remains low, offering excellent stability, balance and traction.

Heavy Duty undercarriage, with lifetime lubricated track/crrier rollers and idlers, is standard on the D6R2. The components are designed for extended wear life in abrasive or high impact conditions like forestry, side slopes or working in rocky terrain. Or, choose SystemOne™ undercarriage (XL and LGP tractors) designed to work and wear as a system for longer life and lower costs in abrasive or low/moderate impact applications.

A broad choice of track shoe designs and widths help you further optimize your machine for performance and longer life.
**Integrated Technologies**
Monitor, manage and enhance job site operations

**LINK Technologies**
LINK technologies, like Product Link™*, are deeply integrated into your machine and wirelessly communicate key information, including location, hours, fuel usage, idle time and event codes.

**Product Link/VisionLink®**
Manage equipment with real-time data and performance information to help make timely, decisions that can boost job site efficiency and productivity, and lower costs. Analysis and scheduling tools help you track routine maintenance and plan for service procedures. And if a problem arises, operators can quickly assess the issue and take appropriate action to minimize service costs and downtime.

Whether you’re in your office or on the job site, you can easily access data about your machine or fleet via the online VisionLink user interface from your computer or mobile device.

*Product Link/VisionLink mobile not available in all areas. Please consult your Cat dealer.*

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**GRADE Technologies**
GRADE technologies combine digital design data and in-cab guidance to help you reach target grade quickly and accurately, with minimal staking and checking. That means you’ll be more productive, complete jobs faster, in fewer passes, using less fuel, at a lower cost.

**Cat AccuGrade™**
AccuGrade is an optional dealer-installed grade control system that provides automated blade slope and elevation control, improving productivity and accuracy by up to 50 percent over conventional methods. Real-time in-cab guidance indicates precisely where to work and how much to cut or fill, helping operators work more confidently and get to grade faster, in fewer passes, using less material, fuel, and costs. Choose from 2D laser systems for flat planes and slopes, and 3D satellite (GNSS) for large complex designs or total station (UTS) control for fine and finish grading. 3D systems eliminate staking, checking, and ground crews, making the job site safer and more cost effective.
Your D6R2 can be specially equipped from the factory to perform in the toughest applications.

**Forestry Attachments**
- Optional sweeps help protect the cab, top and sides of the machine.
- Screens give added operator protection to cab windows and doors and open canopy environments (ISO 8084).
- Additional guarding helps protect machine structures from heavy debris.
- The cooling system is designed for high debris environments, with easy access for cleanout.

**Cold Weather Arrangement**
- Reversible fan allows manual adjustment of air flow through the radiator.
- Heavy duty battery and alternator for added cold start capability.
- Solid hood for added protection against snow and ice.
- Arctic cab with dual pane glass, as well as optional heated suspension seat, offer greater operator comfort in extreme cold.
- Oils and final drive seals are designed to stand up to extreme cold conditions.

**Waste Handler**
- Specialized guarding, striker bars and seals help protect the machine from impact and airborne/wrapping debris.
- The cooling system and thermal shielding on the engine are designed for high debris environments and easy access for cleanout.
- Specialized air handling features help deliver cleaner air to the machine.
- Landfill blades and center-hole track shoes help you optimize your waste handler for the job.
Serviceability and Customer Support
When uptime counts

Ease of Service
The D6R2 is designed for ease of repair and maintenance so you can spend less time on service and more time on the job.

To make daily inspections and routine maintenance more convenient, service points are grouped and sight gauges let you inspect fluid levels at a glance. Service point locations are consistent across Cat tractor models to help save you even more time. High efficiency fuel filters have water-in-fuel sensors to add to fuel system robustness.

Updated design places the alternator in an elevated location for added protection, especially in wet, sandy conditions.

The air conditioning condenser is now mounted externally on top of the cab. This increases heating/ventilation/air conditioning capability, while improving engine cooling and serviceability.
Cat EMSolutions (Equipment Management Solutions)

EMSolutions lets you take control of your fleet with a solution specific to your equipment management needs. Comprehensive equipment management – combined with the knowledge and expertise of your Cat dealer – can provide ways to help you achieve gains that go straight to your bottom line.

- Improve availability
- Reduce owning and operating costs
- Streamline maintenance practices
- Maximize equipment life
- Increase resale value

Consisting of five levels of support, from remote access to equipment data to complete, proactive management of your fleet, EMSolutions allows you to choose the amount of support that’s right for you.

Renowned Cat Dealer Support

Knowledgeable Cat dealers have a global reputation for providing outstanding sales and service. When you need repairs, Cat dealers and our unmatched Caterpillar distribution network excel at getting you the right parts you need quickly. Maximize your equipment investment with a Customer Support Agreement tailored to meet your business needs. Take advantage of preventive maintenance programs like Custom Track Service, Scheduled Oil Sampling (S·O·S℠) analysis, and guaranteed maintenance contracts. Cat dealers can even help you with operator training to help boost your profits.

Your Cat dealer can also help you maximize your equipment investment with services like Cat Reman* parts and Cat Certified Rebuilds. Remanufactured parts offer you the same warranty and reliability as new parts at a fraction of the cost. A Certified Rebuild gives a “second life” for your machine, incorporating the latest engineering updates so you end up with a like-new dozer and a new machine warranty. Caterpillar strives to provide customers the lowest owning and operating costs over the life of their machine.

*Please contact your Cat dealer for Reman availability in your area.
### Engine – Standard

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat C9 ACERT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emissions</td>
<td>Meets U.S. EPA Tier 2/ EU Stage II equivalent and Certified to China Nonroad II emission standards.</td>
</tr>
</tbody>
</table>

#### Engine Power (Maximum)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE J1995</td>
<td>154 kW</td>
<td>151 kW</td>
<td>206 hp</td>
<td>1,900 rpm</td>
</tr>
<tr>
<td>ISO 14396</td>
<td>169 kW</td>
<td>203 hp</td>
<td>206 hp</td>
<td></td>
</tr>
<tr>
<td>ISO 14396 (DIN)</td>
<td>166 kW</td>
<td>223 hp</td>
<td>206 hp</td>
<td></td>
</tr>
</tbody>
</table>

#### Net Power (Rated)

<table>
<thead>
<tr>
<th>Standard</th>
<th>ISO 9249/SAE J1349</th>
<th>ISO 9249/SAE J1349 (DIN)</th>
<th>80/1269/EEC</th>
<th>Engine Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9249/SAE J1349</td>
<td>133 kW</td>
<td>133 kW</td>
<td>133 kW</td>
<td>2,000 rpm</td>
</tr>
<tr>
<td>ISO 9249/SAE J1349 (DIN)</td>
<td>179 hp</td>
<td>179 hp</td>
<td>179 hp</td>
<td></td>
</tr>
<tr>
<td>80/1269/EEC</td>
<td>182 hp</td>
<td>182 hp</td>
<td>182 hp</td>
<td></td>
</tr>
</tbody>
</table>

#### Net Power (Maximum)

<table>
<thead>
<tr>
<th>Standard</th>
<th>ISO 9249/SAE J1349</th>
<th>ISO 9249/SAE J1349 (DIN)</th>
<th>80/1269/EEC</th>
<th>Engine Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9249/SAE J1349</td>
<td>141 kW</td>
<td>141 kW</td>
<td>141 kW</td>
<td>1,900 rpm</td>
</tr>
<tr>
<td>ISO 9249/SAE J1349 (DIN)</td>
<td>189 hp</td>
<td>189 hp</td>
<td>189 hp</td>
<td></td>
</tr>
<tr>
<td>80/1269/EEC</td>
<td>192 hp</td>
<td>192 hp</td>
<td>192 hp</td>
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</tbody>
</table>

#### Bore

<table>
<thead>
<tr>
<th></th>
<th>ISO 9249/SAE J1349</th>
<th>ISO 9249/SAE J1349 (DIN)</th>
<th>80/1269/EEC</th>
<th>Engine Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9249/SAE J1349</td>
<td>112 mm</td>
<td>112 mm</td>
<td>112 mm</td>
<td>1,900 rpm</td>
</tr>
<tr>
<td>ISO 9249/SAE J1349 (DIN)</td>
<td>4.4 in</td>
<td>4.4 in</td>
<td>4.4 in</td>
<td></td>
</tr>
<tr>
<td>80/1269/EEC</td>
<td>5.9 in</td>
<td>5.9 in</td>
<td>5.9 in</td>
<td></td>
</tr>
</tbody>
</table>

#### Stroke

<table>
<thead>
<tr>
<th></th>
<th>ISO 9249/SAE J1349</th>
<th>ISO 9249/SAE J1349 (DIN)</th>
<th>80/1269/EEC</th>
<th>Engine Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9249/SAE J1349</td>
<td>149 mm</td>
<td>149 mm</td>
<td>149 mm</td>
<td>1,900 rpm</td>
</tr>
<tr>
<td>ISO 9249/SAE J1349 (DIN)</td>
<td>5.9 in</td>
<td>5.9 in</td>
<td>5.9 in</td>
<td></td>
</tr>
<tr>
<td>80/1269/EEC</td>
<td>5.9 in</td>
<td>5.9 in</td>
<td>5.9 in</td>
<td></td>
</tr>
</tbody>
</table>

#### Displacement

<table>
<thead>
<tr>
<th></th>
<th>ISO 9249/SAE J1349</th>
<th>ISO 9249/SAE J1349 (DIN)</th>
<th>80/1269/EEC</th>
<th>Engine Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9249/SAE J1349</td>
<td>8.8 L</td>
<td>8.8 L</td>
<td>8.8 L</td>
<td>1,900 rpm</td>
</tr>
<tr>
<td>ISO 9249/SAE J1349 (DIN)</td>
<td>317 in³</td>
<td>317 in³</td>
<td>317 in³</td>
<td></td>
</tr>
<tr>
<td>80/1269/EEC</td>
<td>317 in³</td>
<td>317 in³</td>
<td>317 in³</td>
<td></td>
</tr>
</tbody>
</table>

* Net power advertised is the power available at the flywheel when engine is equipped with a fan at maximum speed, air cleaner, muffler, alternator.

* No deratings required up to 2286 m (7,500 ft) altitude. Automatic derating occurs after 2286 m (7,500 ft).
### Transmission

<table>
<thead>
<tr>
<th>Gear</th>
<th>Forward</th>
<th>Reverse</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>3.8 km/h</td>
<td>4.8 km/h</td>
</tr>
<tr>
<td>1.5*</td>
<td>4.8 km/h</td>
<td>6.2 km/h</td>
</tr>
<tr>
<td>2.0</td>
<td>6.5 km/h</td>
<td>8.4 km/h</td>
</tr>
<tr>
<td>2.5*</td>
<td>8.4 km/h</td>
<td>8.4 km/h</td>
</tr>
<tr>
<td>3.0</td>
<td>11.5 km/h</td>
<td>14.5 km/h</td>
</tr>
</tbody>
</table>

*With optional AutoShift selected

### Drawbar – D6R2 Standard

<table>
<thead>
<tr>
<th>Gear</th>
<th>Forward</th>
<th>Reverse</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>2.4 mph</td>
<td>3.0 mph</td>
</tr>
<tr>
<td>1.5</td>
<td>3.0 mph</td>
<td>3.9 mph</td>
</tr>
<tr>
<td>2.0</td>
<td>4.0 mph</td>
<td>5.2 mph</td>
</tr>
<tr>
<td>2.5</td>
<td>5.2 mph</td>
<td>5.2 mph</td>
</tr>
<tr>
<td>3.0</td>
<td>7.1 mph</td>
<td>9.0 mph</td>
</tr>
</tbody>
</table>

### Drawbar – D6R2 XL and LGP

**KEY**
- 1.0 – 1st Gear
- 1.5 – 1st Gear, additional speed with Auto Shift engaged
- 2.0 – 2nd Gear
- 2.5 – 2nd Gear, additional speed with Auto Shift engaged
- 3.0 – 3rd Gear

**NOTE:** Usable pull will depend upon weight and traction of equipped tractor.
## Service Refill Capacities

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank</td>
<td>424 L</td>
<td>112.0 gal</td>
</tr>
<tr>
<td>Cooling System</td>
<td>59.4 L</td>
<td>15.7 gal</td>
</tr>
<tr>
<td>Engine Crankcase</td>
<td>28 L</td>
<td>7.4 gal</td>
</tr>
<tr>
<td>Power Train</td>
<td>146 L</td>
<td>38.6 gal</td>
</tr>
<tr>
<td>Final Drives (each)</td>
<td>13.5 L</td>
<td>3.6 gal</td>
</tr>
<tr>
<td>Pivot Shaft</td>
<td>5 L</td>
<td>1.3 gal</td>
</tr>
<tr>
<td>Hydraulic Tank</td>
<td>51.5 L</td>
<td>13.6 gal</td>
</tr>
<tr>
<td>Roller Frames (each)</td>
<td>24.6 L</td>
<td>6.5 gal</td>
</tr>
</tbody>
</table>

## Undercarriage – Standard

**Shoe Type**
Moderate Service

**Width of Shoe**
560 mm 22.0 in

**Grouser Height**
65 mm 2.6 in

**Shoes per Side**
39

**Track Rollers per Side**
6

**Track Pitch**
203 mm 8.0 in

**Oscillation at Front Idler**
86 mm 3.4 in

**Track Gauge**
1880 mm 74.0 in

**Length of Track on Ground**
2664 mm 104.9 in

**Ground Contact Area**
2.98 m² 4,625 in²

**Ground Pressure (ISO 16754)**

- **S – Blade**
  62.4 kPa 9.0 psi
- **SU – Blade**
  62.6 kPa 9.1 psi
- **A – Blade**
  63.9 kPa 9.3 psi

## Undercarriage – XL

**Shoe Type**
Moderate Service

**Width of Shoe**
560 mm 22.0 in

**Grouser Height**
65 mm 2.6 in

**Shoes per Side**
41

**Track Rollers per Side**
7

**Track Pitch**
203 mm 8.0 in

**Oscillation at Front Idler**
95 mm 3.7 in

**Track Gauge**
1880 mm 74.0 in

**Length of Track on Ground**
2871 mm 113.0 in

**Ground Contact Area**
3.22 m² 4,984 in²

**Ground Pressure (ISO 16754)**

- **SU – Blade**
  60.7 kPa 8.8 psi
- **A – Blade**
  60.9 kPa 8.8 psi

## Undercarriage – LGP

**Shoe Type**
Moderate Service

**Width of Shoe**
915 mm 36.0 in

**Grouser Height**
65 mm 2.6 in

**Shoes per Side**
45

**Track Rollers per Side**
8

**Track Pitch**
203 mm 8.0 in

**Oscillation at Front Idler**
112 mm 4.4 in

**Track Gauge**
2286 mm 90.0 in

**Length of Track on Ground**
3275 mm 128.9 in

**Ground Contact Area**
5.99 m² 9,290 in²

**Ground Pressure (ISO 16754)**

- **SLGP – Blade**
  35.4 kPa 5.1 psi

---

- Operating weight includes lubricants, coolant, full fuel tank, standard track, ROPS cab, air conditioner, hydraulic controls, blade, drawbar and operator.
- Shipping weight includes lubricants, coolant, 10% fuel tank, standard track, ROPS cab, air conditioner and hydraulic controls.
## Rippers

<table>
<thead>
<tr>
<th>Type</th>
<th>Fixed Parallelogram</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Pockets</td>
<td>3 – Multiple Shank</td>
</tr>
<tr>
<td>Overall Beam Width</td>
<td>2190 mm 86.2 in</td>
</tr>
<tr>
<td>Weight with Standard Shanks</td>
<td>1644 kg 3,624 lb</td>
</tr>
<tr>
<td>Maximum Penetration</td>
<td>500 mm 19.7 in</td>
</tr>
<tr>
<td>Maximum Penetration Force</td>
<td>65.6 kN 14,747 lbf</td>
</tr>
<tr>
<td>Pry-out Force</td>
<td>116.5 kN 26,190 lbf</td>
</tr>
</tbody>
</table>

## Hydraulic Controls

<table>
<thead>
<tr>
<th></th>
<th>Variable Displacement Piston</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Type – Implements</td>
<td></td>
</tr>
<tr>
<td>Pump Type – Steering</td>
<td></td>
</tr>
<tr>
<td>RPM at Rated Engine Speed – Implement</td>
<td>2,120 rpm</td>
</tr>
<tr>
<td>RPM at Rated Engine Speed – Steering</td>
<td>2,440 rpm</td>
</tr>
<tr>
<td>Pump Output – Implement</td>
<td>203 L/min 53.6 gal/min</td>
</tr>
<tr>
<td>Pump Output – Steering</td>
<td>199 L/min 52.6 gal/min</td>
</tr>
<tr>
<td>Lift Cylinder Flow</td>
<td>214 L/min 56.5 gal/min</td>
</tr>
<tr>
<td>Tilt Cylinder Flow</td>
<td>90 L/min 23.8 gal/min</td>
</tr>
<tr>
<td>Ripper Cylinder Flow</td>
<td>214 L/min 56.5 gal/min</td>
</tr>
</tbody>
</table>

## Standards

### ROPS/FOPS

- ROPS (Rollover Protective Structure) offered by Caterpillar meets ROPS criteria ISO 3471:2008
- FOPS (Falling Object Protective Structure) meets FOPS criteria ISO 3449:2005

### Brakes

- Brakes meet the standard SAE J/ISO 10265:2008

### Cab

- Meets appropriate standards as listed below

- The operator sound pressure measured according to the procedures specified in ISO 6396:2008 is 80 dB(A), for a cab by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- The sound level can vary with machines fitted with optional engine fan speed selection.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).
- The exterior sound power level for the standard machine measured according to the test procedures specified in ISO 6395:2008 is 116 dB(A). The sound level can vary with machines fitted with optional engine fan speed selection.
# D6R2 Track-Type Tractor Specifications

## Dimensions

All dimensions are approximate.

![D6R2 Track-Type Tractor](image)

<table>
<thead>
<tr>
<th></th>
<th>Standard</th>
<th>XL</th>
<th>LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong> Tractor Gauge</td>
<td>1880 mm</td>
<td>74.0 in</td>
<td>1880 mm</td>
</tr>
<tr>
<td><strong>2</strong> Width of Tractor</td>
<td>2640 mm</td>
<td>103.9 in</td>
<td>2640 mm</td>
</tr>
<tr>
<td>Over Trunnions</td>
<td>2440 mm</td>
<td>96.1 in</td>
<td>2440 mm</td>
</tr>
<tr>
<td>Without Trunnions (standard shoe width)</td>
<td>3115 mm</td>
<td>122.6 in</td>
<td>3115 mm</td>
</tr>
<tr>
<td><strong>3</strong> Machine Height, from Tip of Grouser</td>
<td>3216 mm</td>
<td>126.6 in</td>
<td>3216 mm</td>
</tr>
<tr>
<td>Exhaust Stack</td>
<td>3296 mm</td>
<td>129.8 in</td>
<td>3296 mm</td>
</tr>
<tr>
<td>ROPS (cab or canopy)</td>
<td>2664 mm</td>
<td>104.9 in</td>
<td>2871 mm</td>
</tr>
<tr>
<td>Sweeps</td>
<td>3860 mm</td>
<td>152.0 in</td>
<td>3860 mm</td>
</tr>
<tr>
<td><strong>4</strong> Length of Track on Ground</td>
<td>2664 mm</td>
<td>104.9 in</td>
<td>2871 mm</td>
</tr>
<tr>
<td><strong>5</strong> Length of Basic Tractor</td>
<td>3860 mm</td>
<td>152.0 in</td>
<td>3860 mm</td>
</tr>
<tr>
<td>With following attachments, add:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S – Blade</td>
<td>1043 mm</td>
<td>41.1 in</td>
<td>N/A</td>
</tr>
<tr>
<td>SU – Blade</td>
<td>1235 mm</td>
<td>48.6 in</td>
<td>1472 mm</td>
</tr>
<tr>
<td>A – Blade (straight)</td>
<td>1147 mm</td>
<td>45.2 in</td>
<td>1349 mm</td>
</tr>
<tr>
<td>A – Blade (angled 25 degrees)</td>
<td>1983 mm</td>
<td>78.1 in</td>
<td>2185 mm</td>
</tr>
<tr>
<td>Rear Drawbar</td>
<td>366 mm</td>
<td>14.4 in</td>
<td>366 mm</td>
</tr>
<tr>
<td>Multi-Shank Ripper (tip at ground level)</td>
<td>1403 mm</td>
<td>55.2 in</td>
<td>1403 mm</td>
</tr>
<tr>
<td><strong>6</strong> Grouser Bar Height</td>
<td>65 mm</td>
<td>2.6 in</td>
<td>65 mm</td>
</tr>
<tr>
<td><strong>7</strong> Ground Clearance</td>
<td>372 mm</td>
<td>14.6 in</td>
<td>372 mm</td>
</tr>
<tr>
<td><strong>8</strong> Drawbar Height (grouser tip to center of clevis)</td>
<td>576 mm</td>
<td>22.7 in</td>
<td>576 mm</td>
</tr>
</tbody>
</table>
# D6R2 Track-Type Tractor Specifications

## Bulldozers

<table>
<thead>
<tr>
<th>Blade</th>
<th>6S</th>
<th>6S LGP</th>
<th>6SU</th>
<th>6SU XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (SAE J1265)</td>
<td>3.99 m³</td>
<td>5.2 yd³</td>
<td>3.79 m³</td>
<td>5.0 yd³</td>
</tr>
<tr>
<td>Width</td>
<td>3360 mm</td>
<td>132.3 in</td>
<td>4063 mm</td>
<td>160.0 in</td>
</tr>
<tr>
<td>Height</td>
<td>1257 mm</td>
<td>49.5 in</td>
<td>1101 mm</td>
<td>43.3 in</td>
</tr>
<tr>
<td>Digging Depth</td>
<td>473 mm</td>
<td>18.6 in</td>
<td>655 mm</td>
<td>25.8 in</td>
</tr>
<tr>
<td>Ground Clearance</td>
<td>1104 mm</td>
<td>43.5 in</td>
<td>1083 mm</td>
<td>42.6 in</td>
</tr>
<tr>
<td>Maximum Tilt</td>
<td>765 mm</td>
<td>30.1 in</td>
<td>701 mm</td>
<td>27.6 in</td>
</tr>
<tr>
<td>Weight</td>
<td>2251 kg</td>
<td>4,963 lb</td>
<td>2418 kg</td>
<td>5,331 lb</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Blade</th>
<th>6A</th>
<th>6A XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (SAE J1265)</td>
<td>3.95 m³</td>
<td>5.2 yd³</td>
</tr>
<tr>
<td>Width</td>
<td>4166 mm</td>
<td>164.0 in</td>
</tr>
<tr>
<td>Height</td>
<td>1155 mm</td>
<td>45.5 in</td>
</tr>
<tr>
<td>Digging Depth</td>
<td>506 mm</td>
<td>19.9 in</td>
</tr>
<tr>
<td>Ground Clearance</td>
<td>1142 mm</td>
<td>45.0 in</td>
</tr>
<tr>
<td>Maximum Tilt</td>
<td>408 mm</td>
<td>16.1 in</td>
</tr>
<tr>
<td>Weight</td>
<td>2715 kg</td>
<td>5,986 lb</td>
</tr>
</tbody>
</table>

---

1. Does not include hydraulic controls but includes push-arm or C-frame, blade tilt brace and tilt cylinder where fitted.
2. Add 242 kg (534 lb) and 603 mm (23.7 in) height for S LGP Land Fill “Trash” rack option.
3. Add 176 kg (388 lb) and 409 mm (16.1 in) height for SU Land Clearing “Brush” rack option.
4. Add 190 kg (419 lb) and 426 mm (16.8 in) height for 6SU XL Land Clearing “Brush” rack option.
5. Add 245 kg (540 lb) and 650 mm (25.6 in) height for 6SU XL Land Fill “Trash” rack option.
6. Add 228 kg (503 lb) and 545 mm (21.5 in) height for 6AXL Land Clearing “Brush” rack option.
**D6R2 Standard Equipment**

**Standard Equipment**

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

### TRACTOR CONFIGURATIONS
- D6R2
- D6R2 XL
- D6R2 LGP (Low Ground Pressure)

### POWER TRAIN
- Cat C9 ACERT Turbocharged Direct Injection diesel engine. Meets equivalent of non-current U.S. EPA Tier 2 or EU Stage II emission standards. Certified to China Nonroad II emission standards.
- Aluminum bar plate radiator
- Air cleaner, precleaner with strata tube dust ejector
- Air filter with electronic service indicator
- Aluminum bar plate Air to Air After-Cooler (ATAAC)
- Extended life coolant
- Fan, blower, direct drive
- Final drives, 3-planet single reduction planetary
- Fuel filter with water in fuel sensor/indicator
- Fuel priming pump, electric
- Muffler with mitered stack
- Parking brake, electronic
- Planetary transmission, electronic power shift 3F/3R speeds
- Prescreener
- Torque converter/divider

### UNDERCARRIAGE
- Carrier rollers, lifetime lubricated (XL and LGP models)
- Carrier roller ready (STD model)
- Equalizer bar
- Guards, end track guiding
- Idlers, lifetime lubricated
- Pivot shafts, pinned
- Sprocket rim segments, replaceable
- Track rollers, lifetime lubricated
- Track roller frames, tubular
- Track adjusters, hydraulic
- Track, heavy duty, sealed and lubricated

### ELECTRICAL
- Alarm, backup
- Alternator (115 Amp)
- Batteries, 2 maintenance free 12V (24V system)
- Converter, 12V, 10 Amp with 1 outlet
- Connector, diagnostic
- Electric start, 24V
- Horn, forward warning
- Lights, halogen (4)

### OPERATOR ENVIRONMENT
- Armrest, adjustable
- Decelerator pedal
- Differential steering tiller-bar control
- Cab, Integrated ROPS
- Caterpillar monitoring system
  - coolant temperature
  - hydraulic oil temperature
  - power train oil temperature
  - fuel level
  - engine speed, tachometer
  - service hour meter
  - system warning lamps
- Foot pads, dash mounted
- Hydraulic controls, pilot operated with electronic deactivation switch
- Mirror, rearview
- Seat, adjustable contour suspension
- Seat belt, retractable 76 mm (3 in)
- Throttle switch, electronic rotary dial

### OTHER STANDARD EQUIPMENT
- Cat Product Link ready
- Engine cover with perforated hood and side enclosures
- Front pull device
- Guards, bottom
- Radiator door, louvered
- Mounting, lift cylinder
- Lift cylinders with lines
- Hydraulics, load sensing, dozer lift and tilt
- Oil cooler, hydraulic
- Sampling ports
  - engine oil
  - engine coolant
  - power train oil
  - hydraulic oil
- Vandalism protection
  - cap locks fitted to battery box and fuel tank drain
  - provision for cap locks for fluid compartments and engine enclosures
Optional Equipment

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

POWER TRAIN
- Drains, ecology, power train
- Engine thermal shielding with water-cooled turbocharger
- Final drives, STD, XL or LGP, arctic fluids
- Fuel system, heated
- Heater, engine coolant, 240V
- Oil change system, high speed
- Precleaner, raised
- Precleaner, turbine with screen
- Radiator core protector
- Radiator fan, reversible (cold weather)
- Radiator fan, ejector
- Radiator fan, increased speed (high ambient)
- Sound suppression, exterior
- Starting aid, ether
- Trash resistant radiator

UNDERCARRIAGE
- SystemOne (XL or LGP)
- Track guidance, center (STD, XL and LGP)
- Track guidance, full length (STD, XL and LGP)
- Track shoe, 560 mm (22.0 in), Moderate Service (STD and XL)
- Track shoe, 560 mm (22.0 in), Extreme Service (STD and XL)
- Track shoe, 610 mm (24.0 in), Extreme Service (STD and XL)
- Track shoe, 610 mm (24.0 in), Extreme Service, SystemOne, (XL)
- Track shoe, 915 mm (36.0 in), Moderate Service (LGP)
- Track shoe, 915 mm (36.0 in), Extreme Service, SystemOne (LGP)
- Track shoe, 915 mm (36.0 in), Extreme Service with trapezoidal hole (LGP)
- Track shoe, 990 mm (39 in), self-cleaning (LGP)
- Waste handing/landfill (XL and LGP)

ELECTRICAL
- Alternator, 150 Amp, heavy duty
- Alternator, 150 Amp, ducted
- Battery, heavy duty
- Lights, halogen (6)
- Lights, LED (6)
- Lights, halogen (4 – sweep)
- Lights, halogen (8 – sweep)

OPERATOR ENVIRONMENT
- Cab, Arctic, integrated ROPS
- Canopy, integrated ROPS
- Mirror, additional
- Screen, rear, cab or canopy
- Screens, side, cab or canopy
- Screens, door/front, cab or canopy
- Suspension seat, vinyl cover with 76 mm (3 in) retractable seat belt
- Suspension seat, cloth cover with 76 mm (3 in) retractable seat belt
- Suspension seat, cloth cover, heated and ventilated with 76 mm (3 in) retractable seat belt

TECHNOLOGY PRODUCTS
- Cat Product Link, Satellite, Pro-Series
- Cat Product Link, Cellular, Pro-Series
- Cat Product Link, Dual Mode, Pro Series and Elite Series

OTHER ATTACHMENTS
- Drawbar, rigid
- Counterweight, rear
- Hydraulics, ripper
- Ripper, multi-shank, straight or curved shanks (3)
- Striker bar, rear (XL or LGP)
- Striker bars, front (XL or LGP)

GUARDS
- Enclosure, engine, solid hood
- Guard, bottom, heavy duty
- Guard, fuel tank
- Guards, hydraulic blade tilt lines
- Guards, land clearing
- Guard, radiator, heavy duty
- Guard, transmission
- Sweeps, forward protection

BULLDOZERS
- Angle, hydraulic or mechanical tilt (STD and XL)
- Angle, hydraulic or mechanical tilt, land clearing (XL)
- Semi-Universal, hydraulic tilt (STD and XL)
- Semi-Universal, hydraulic tilt, landfill (XL)
- Semi-Universal, hydraulic tilt, land clearing (STD and XL)
- Straight, hydraulic tilt (STD and LGP)
- Straight, hydraulic tilt, landfill (LGP)