### Engine

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat® C6.6 ACERT™</td>
<td>118 kW</td>
<td>116 kW</td>
<td>U.S. Tier 4 Interim/EU Stage IIIB</td>
<td>118 kW</td>
<td>95 kW</td>
</tr>
<tr>
<td>Net Power – SAE J1349</td>
<td>95 kW</td>
<td>95 kW</td>
<td>Engine Power – EU 80/1269/EEC</td>
<td>118 kW</td>
<td>95 kW</td>
</tr>
</tbody>
</table>

### Engine (continued)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat® C6.6 ACERT™</td>
<td>97 kW</td>
<td>132 hp</td>
<td>97 kW</td>
<td>132 hp</td>
<td>128 hp</td>
</tr>
</tbody>
</table>

### Weights

<table>
<thead>
<tr>
<th>Weights</th>
<th>Operating Weight – XL</th>
<th>Operating Weight – LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight – XL</td>
<td>13 311 kg</td>
<td>29,346 lb</td>
</tr>
<tr>
<td>Operating Weight – LGP</td>
<td>13 948 kg</td>
<td>30,750 lb</td>
</tr>
</tbody>
</table>
D6K2 Features

Powerful Productivity
Boost your productivity with the new Stable Blade Control feature, dozer and undercarriage. Eco Modes and Auto Engine Speed Control help reduce overall fuel use. Experience maneuverability, precision and response, from the hydrostatic power train, power turn capability and standard electro-hydraulic controls.

Comfortable Operator Station
Work longer with less fatigue in the spacious and comfortable cab. The D6K2 is easy to handle and includes features that help your operators be more productive.

Engine and Emissions Technology
The D6K2 meets EPA/ARB U.S. Tier 4 Interim, EU Stage IIIB and Japan MLIT (Step 4) emission standards.

Integrated Technologies
Maximize utilization and control costs with the Cat Product Link. AccuGrade™ Ready Option means easy installation of the performance enhancing Cat AccuGrade system.

Serviceability and Customer Support
Easy service, reliability and Cat dealer expertise keep you working and help to reduce overall costs.

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Safety ...............................................................3
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Experience the most intuitive finish grading tractor with the new Cat® D6K2.

Redesigned to help you meet your goals, it improves your fuel efficiency and productivity. It is an excellent platform for the integrated AccuGrade grade control system, which will help you get to target grade faster, with fewer passes and less manpower. Stable Blade Control senses ground conditions and works with the operator to produce the desired grade, allowing better finish grading results at higher speed, with less effort. The new undercarriage design improves stability to further enhance finish grading performance.

The D6K2 helps you get more done with less fuel. Choose the D6K2 for best-in-class productivity with the lowest owning and operating costs in his size class.

Sharper, from the first cut to finish grade, the D6K2 sets the standard.
Sustainability
Thinking generations ahead

Sustainable development for Caterpillar means leveraging technology to increase your efficiency and productivity with less impact on the environment and assisting our customers do the same. Caterpillar is providing products, services and solutions that use resources more efficiently – from reducing emissions to remanufacturing.

**Sustainable Features**

- Meets U.S. EPA Tier 4 Interim, EU Stage IIIB and Japan MLIT Step 4 emission standards.
- Fuel efficient engine and features such as the Eco Modes help reduce your overall fuel consumption. Decreases in fuel consumption result in a decrease in combustion of carbon.
- Technologies like AccuGrade and Product Link™ help improve overall efficiency, save fuel and fluids as well as wear and tear on equipment.
- Biodiesels (20% maximum, mixed with Ultra Low Sulfur Diesel Fuel) and biodegradable hydraulic oil can be used without reducing the life of the system. Always refer to your Operation and Maintenance Manual for proper usage of fluids.
- Major components are built to be rebuilt, eliminating waste and saving customers money.

**Safety**

Make sure you’re safe

- ROPS/FOPS for added operator protection with an enclosed cab
- Excellent visibility, large glass panels, various mirrors
- Various grab handles and steps make climbing on and off the tractor easy, with three points of contact
- Anti-slip surfaces
- Operator Not Present monitoring system preventing from unintentional movements to move the machine
- Work tools lock-out feature
- Back-up alarm

These are some of the various features that enhance safety during operation of the D6K2.
Operator Station
Makes operation easy, comfortable and productive

Spacious and Comfortable
• Pressurized cab reducing dust entry and noise
• Standard heating – air conditioning
• Dash mounted air vents for improved air circulation
• Generous leg room
• Foot rests
• Single and combined hystat, brake and engine decel pedal

Outstanding Visibility
Large door windows provide unobstructed view to the blade corners and help increase your finish grading precision when working near foundations. Intermittent wipers maximize visibility in poor weather conditions.

Large side windows offer a clear view to the sides of the machine.

Comfortable Drive – Air Suspension Seat
• Fully adjustable
• Lumbar support
• Heated seat (optional)
• Heated and ventilated seat (optional)
• Seat-mounted controls

Monitoring Package
The display keeps you informed of the system conditions.
• Easy to read
• Various available languages
• Large gauges
• New AccuGrade display support position, in line with blade corners and integrated into the dashboard
Ergonomic Controls
Work longer with less effort

**Convenient Seat-Mounted Controls Reducing Vibrations**
- Seat-mounted controls isolate vibrations from the operator for optimum comfort and precise control
- New easy to adjust armrest and contoured armrest cushion

**Electro-Hydraulic Controls**
- Precision and maneuverability when working around structures
- Easy to grip handles
- Easy intuitive and low effort operation

**Steering and Transmission Joystick**
Single joystick for the speed, direction and steering. It includes a thumb wheel for speed adjustment and the Traction Control button.

**Dozer and Implements Controls**
- Six-way control of the VPAT blade
- Blade shake feature for effective removal of sticky material
- Blade response can be adjusted through the monitoring system
- Rear attachments are controlled by a single lever

**Stable Blade Control...**
...assists you in finish grading applications.

Both new and experienced operators will find operating the machine easy with our new Stable Blade Control. Stable Blade Control senses ground conditions to complement operator input for smooth finish grading results with less operator effort. This system reacts faster than humanly possible.
Power Train
Smooth and responsive to changing loads

Performance: Hydrostatic Transmission
Engine speed is automatically maintained to match the power requirements of the application. It also offers independent power and control of each track, for fast acceleration and on-the-go direction changes.

- Quick response to varying loads for shorter cycle times
- Traction control allows better traction when working in poor underfoot conditions

Unsurpassed Maneuverability

- Intuitive controls help you work in tight areas
- Power turn feature provides power to both tracks while working in confined area
- Counter-rotation provides quick steering corrections during side loading applications

Fuel Economy
Eco Modes

Eco Modes achieve significant fuel consumption reduction by allowing the engine to run at lower speed whenever possible, and rapidly increasing speed when power is needed. Designed to save fuel in light or medium duty applications, the extremely fast engine response allows these modes to be used even in power demanding applications and eliminates the need to constantly shift into and out of Eco Modes.

- Operators can either select the “Reverse only” or “Forward and Reverse” mode
- Can help save from 5 percent up to 22 percent of fuel depending on the application
Undercarriage
Solutions to lower your costs per hour

Updated Undercarriage Design
The new undercarriage design improves durability and increases stability to allow smoother ride and excellent finish grading performance. You can grade faster, while still producing a top quality finish grade at the first pass.

Choice of Undercarriage Configurations to Meet Your Application
Track frames are available in extra long (XL) or low ground pressure (LGP) configurations:
• XL undercarriage for most applications where flotation and side stability are not extreme
• LGP undercarriage for soft underfoot conditions where additional flotation is required

Track Selection
Caterpillar offers a choice of two undercarriages – Sealed and Lubricated Track (S&LT) and SystemOne™. Matching the correct undercarriage to the application and soil conditions will deliver the lowest costs per hour.
• Sealed and Lubricated Track (S&LT) Undercarriage
  – For aggressive impact applications, with the necessary wear material for long life
  – Designed to ease disassembly for bushing turn service to maximize wear life
• SystemOne Undercarriage
  – For moderate to high abrasion applications
  – For reduced maintenance costs and increased life of all undercarriage components
  – Innovative rotating bushing design that eliminates the need for bushing turns
Work Tools
Move more with productive and durable blades

New Bulldozer and Wider Blade Design
- Both XL and LGP blades are now wider; this improves finish grading productivity by covering more ground at each pass
- Strong design allows Cat blades to stand up to the most severe applications
- Large spherical linkage bearing for easier blade removal and designed for the life of the machine

New Variable Pitch Angle Tilt (VPAT) Blade
The versatility of the VPAT Blade gives the D6K2 the ability to take on a variety of applications and material conditions, such as finish grading, spreading material or backfilling.

This blade allows the operator to adjust the blade lift, angle and tilt simultaneously. The blade pitch adjustment is made easier, which can help increase your productivity.

New Foldable Blade Option
Designed to facilitate transportation without blade removal, foldable blades reduce the overall shipping width. The blade can be easily folded without the need for tools.
Integrated Technologies
Get to grade faster with fewer passes than ever before

AccuGrade
This dealer installed machine control and guidance system enables operators to cut and fill to grade with increased accuracy, minimizing the need for traditional stakes and grade checkers. Caterpillar offers a choice of:

- **AccuGrade Laser** – for two dimensional flat type of work
- **AccuGrade Global Navigation Satellite System** – for three dimensional cut to contour work
- **Universal Total Station** – for fine and finish grade applications

These technologies provide precise elevation information on an in-cab display to achieve accurate blade positioning and improve productivity by as much as 50 percent over conventional methods.

**AccuGrade Ready Option (ARO)**
This option provides the pre-assembly that is required to make the AccuGrade installation quick and easy.

**New Larger Displays**
Easy to read, large displays let you focus on your work:

- **CB450 Larger Display** – larger 109 mm (4.3 in) color display, USB data port
- **CB460 GNSS Display** – larger 178 mm (7 in) color display, USB data port
Rear Attachments and Options
Increase your versatility

Multi-Shank Ripper
The aggressive parallelogram ripper lets you do more productive ripper work. The parallel linkage design provides better penetration and maneuverability in tight working areas.

Hydrostatic Winch
The winch features excellent line pull at any speed, infinitely variable drum speed, lower operator effort and unmatched load control.

Dual Control Package
This option makes attachment installation easy for machines that will be used for both ripper and winch applications.

Drawbar
The drawbar is useful for retrieving other equipment or pulling work tools such as discs or compactors.

Value Packages...

Forestry and Heavy Duty Options
An easier way to work in the woods or in severe applications:

- 360 degree guarding, for added protection of the cab
- Sweeps
- Various heavy duty guards, including rear tank guard

Cold Weather Packages
Start your machine even when ambient temperatures are down to –32° C (–25.6° F).

- Heater, 120V/240V jacket water heater, engine coolant, ether starting aid
- Electrical insulated breather
- Antifreeze fluids, –50° C (–58° F) capability
Cooling
Durable and efficient

The engine radiator, Air To Air After Cooler (ATAAC), and hydraulic oil cooler are packaged in a single plane. Aluminum bar plate construction provides durability and allows for higher heat transfer and superior corrosion resistance.

**Hydraulic Demand Fan**
The demand fan provides engine cooling capability that is matched to the ambient conditions. Fan speed is automatically reduced when not needed to save fuel.

**Hydraulic Reversing Fan**
This option allows the fan to reverse airflow and blow debris out of the radiator cores. Both automatic and manual modes are available.
Engine and Emissions Technology
Improved fuel economy

Low Temperature Regeneration System
The engine meets U.S. EPA Tier 4 Interim, EU Stage IIIB and Japan MLIT Step 4 emission standards using a passive regeneration solution:
- Simple, no operator interaction required
- Efficient, no work interruption, even in case of extended idling time
- Reliable, the diesel particulate filter is fit for life

Fuel Consumption Efficiency
Automatic Engine Speed Control (AESC) – reduces engine speed when the machine is not under load for more than five seconds, which can help reduce fuel consumption significantly depending on the application.

Engine Idle Shutdown Timer – This option (when activated by the operator) shuts down the engine after the machine has been idling for a pre-set period of time.

Engine
Power and reliability

The Cat C6.6 ACERT™ engine delivers the performance that customers demand.
- Responds quickly to changing loads
- Constant power strategy: delivers the same amount of power whatever the conditions may be
- Optimized based on engine size, the type of application and the geographic location where D6K2 customers work

To assure that our technology will meet our customers expectations for reliable trouble-free service, we subjected these products to over one million operating hours of test and validation.
Serviceability
When uptime counts

Accessible, Quick and Easy Maintenance to Keep You Working
Long service intervals and easy maintenance keep the machine up and running, lower your costs and reduce service time.

- Large, hinged door on the engine compartment for easy access to all regular engine maintenance points
- Grouped pressure taps for quick testing and troubleshooting of the hydraulic system
- Ground level access to hydraulic filters
- Engine automatic hydraulic valve lash
- Tool box to keep your tools and grease gun at hand
- Monitoring system with automatic checks at start up
- Robust and convenient modular design

Product Link
Remote monitoring with Product Link improves and simplifies overall fleet management effectiveness. Using satellite or cellular technology, the system automatically reports events and diagnostic codes, as well as location, fuel, idle time or security alarms.

Renowned Cat Dealer Support
From helping you choose the right machine to knowledgeable ongoing support, Cat dealers provide the best in sales and service.

- Preventive maintenance programs and guaranteed maintenance contracts
- Best-in-class parts availability
- Operator training to help boost your profits
- Genuine Cat Remanufactured parts
## Engine

<table>
<thead>
<tr>
<th>Specification</th>
<th>XL</th>
<th>LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>Cat® C6.6 ACERT™</td>
<td></td>
</tr>
<tr>
<td>Emissions</td>
<td>U.S. EPA Tier 4 Interim/ EU Stage IIIB/Japan MLIT Step 4</td>
<td></td>
</tr>
<tr>
<td>Gross Power – SAE J1995</td>
<td>118 kW 158 hp</td>
<td></td>
</tr>
<tr>
<td>Engine Power – ISO 14396</td>
<td>116 kW 155 hp</td>
<td></td>
</tr>
<tr>
<td>Engine Power – ISO 14396 (DIN)</td>
<td></td>
<td>157 hp</td>
</tr>
<tr>
<td>Net Power – SAE J1349</td>
<td>95 kW 128 hp</td>
<td></td>
</tr>
<tr>
<td>Net Power – ISO 9249</td>
<td>97 kW 130 hp</td>
<td></td>
</tr>
<tr>
<td>Net Power – EU 80/1269/EEC</td>
<td>97 kW 130 hp</td>
<td></td>
</tr>
<tr>
<td>Bore</td>
<td>105 mm 4.13 in</td>
<td></td>
</tr>
<tr>
<td>Stroke</td>
<td>127 mm 4.99 in</td>
<td></td>
</tr>
<tr>
<td>Displacement</td>
<td>6.6 L 402.75 in³</td>
<td></td>
</tr>
</tbody>
</table>

- Engine ratings at 2,200 rpm.
- Net power advertised is the power available at the engine flywheel when the engine is equipped with the air cleaner, alternator, A/C compressor at full load and cooling fan at maximum speed.
- No engine derating required up to 3000 m (8,840 ft) altitude; beyond 3000 m (8,840 ft) automatic derating occurs.

## Transmission – Travel Speed

<table>
<thead>
<tr>
<th>Specification</th>
<th>XL</th>
<th>LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission Type</td>
<td>Hydrostatic</td>
<td></td>
</tr>
<tr>
<td>Forward</td>
<td>0-10 km/h 0-6.2 mph</td>
<td></td>
</tr>
<tr>
<td>Reverse</td>
<td>0-10 km/h 0-6.2 mph</td>
<td></td>
</tr>
</tbody>
</table>

## Service Refill Capacities

<table>
<thead>
<tr>
<th>Specification</th>
<th>XL</th>
<th>LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank</td>
<td>295 L 77.9 gal</td>
<td></td>
</tr>
<tr>
<td>Cooling System</td>
<td>32.5 L 8.58 gal</td>
<td></td>
</tr>
<tr>
<td>Engine Crankcase</td>
<td>16.5 L 4.35 gal</td>
<td></td>
</tr>
<tr>
<td>Final Drives (each XL)</td>
<td>15 L 4 gal</td>
<td></td>
</tr>
<tr>
<td>Final Drives (each LGP)</td>
<td>23 L 6 gal</td>
<td></td>
</tr>
<tr>
<td>Hydraulic Tank</td>
<td>58 L 15.3 gal</td>
<td></td>
</tr>
</tbody>
</table>

## Undercarriage

<table>
<thead>
<tr>
<th>Specification</th>
<th>XL</th>
<th>LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width of Shoe – XL</td>
<td>560 mm 22 in</td>
<td></td>
</tr>
<tr>
<td>Shoes/Side – XL</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Shoes/Side – LGP</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Grouser Height</td>
<td>48 mm 1.9 in</td>
<td></td>
</tr>
<tr>
<td>Track on Ground – XL</td>
<td>1770 mm 70 in</td>
<td></td>
</tr>
<tr>
<td>Track on Ground – LGP</td>
<td>2000 mm 79 in</td>
<td></td>
</tr>
<tr>
<td>Ground Contact Area – XL</td>
<td>3 m² 4650 in²</td>
<td></td>
</tr>
<tr>
<td>Ground Contact Area – LGP</td>
<td>4 m² 6200 in²</td>
<td></td>
</tr>
<tr>
<td>Ground Pressure – XL (ISO 16754)</td>
<td>39.8 kPa 5.77 psi</td>
<td></td>
</tr>
<tr>
<td>Ground Pressure – LGP (ISO 16754)</td>
<td>30.7 kPa 4.45 psi</td>
<td></td>
</tr>
<tr>
<td>Track Rollers/Side – XL</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Track Rollers/Side – LGP</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>
• The direct injection electronic fuel system provides a controlled fuel delivery increase as the engine lugs back from rated speed. This results in increased horsepower below rated power. A combination of increased torque rise and maximum horsepower improves response, provides greater drawbar pull and faster dozing cycles.

### Blades

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>VPAT, VPAT Foldable*</th>
</tr>
</thead>
<tbody>
<tr>
<td>XL, VPAT – Blade Capacity</td>
<td>3.07 m³ 4.01 yd³</td>
</tr>
<tr>
<td>LGP, VPAT – Blade Capacity</td>
<td>3.35 m³ 4.38 yd³</td>
</tr>
<tr>
<td>XL, VPAT – Blade Width</td>
<td>3196 mm 10.5 ft</td>
</tr>
<tr>
<td>LGP, VPAT – Blade Width</td>
<td>3682 mm 12 ft</td>
</tr>
<tr>
<td>over End Bits</td>
<td></td>
</tr>
</tbody>
</table>

* VPAT foldable blades have the same capacity and width as the XL/LGP VPAT blades.

### Ripper

<table>
<thead>
<tr>
<th>Type</th>
<th>Fixed Parallelogram</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pocket Spacing</td>
<td>896 mm 35.3 in</td>
</tr>
<tr>
<td>Shank Gauge</td>
<td>1792 mm 70.6 in</td>
</tr>
<tr>
<td>Shank Section</td>
<td>58.5 × 2.3 ×</td>
</tr>
<tr>
<td></td>
<td>138 mm 5.4 in</td>
</tr>
<tr>
<td>Number of Pockets</td>
<td>3</td>
</tr>
<tr>
<td>Overall Beam Width</td>
<td>1951 mm 76.8 in</td>
</tr>
<tr>
<td>Beam Cross Section</td>
<td>165 × 6.5 ×</td>
</tr>
<tr>
<td></td>
<td>211 mm 8.3 in</td>
</tr>
<tr>
<td>Maximum Penetration Force – XL</td>
<td>42.2 kN 9,480 lb</td>
</tr>
<tr>
<td>Maximum Pry-out Force – XL</td>
<td>166.7 kN 37,480 lb</td>
</tr>
<tr>
<td>Maximum Penetration Force – LGP</td>
<td>45.1 kN 10,138 lb</td>
</tr>
<tr>
<td>Maximum Pry-out Force – LGP</td>
<td>166.7 kN 37,480 lb</td>
</tr>
<tr>
<td>Maximum Penetration – XL &amp; LGP</td>
<td>360 mm 14.2 in</td>
</tr>
<tr>
<td>Weight with One Shank</td>
<td>845 kg 1,863 lb</td>
</tr>
<tr>
<td>Each Additional Shank</td>
<td>34 kg 75 lb</td>
</tr>
</tbody>
</table>

### Winch

#### Winch Model

<table>
<thead>
<tr>
<th>Model</th>
<th>PA50</th>
</tr>
</thead>
</table>

#### Winch Drive

<table>
<thead>
<tr>
<th>Type</th>
<th>Hydrostatic</th>
</tr>
</thead>
</table>

#### Weight

<table>
<thead>
<tr>
<th>Weight*</th>
<th>907 kg 2,000 lb</th>
</tr>
</thead>
</table>

#### Winch and Bracket Length

<table>
<thead>
<tr>
<th>Length</th>
<th>845 mm 33.2 in</th>
</tr>
</thead>
</table>

#### Winch Case Width

<table>
<thead>
<tr>
<th>Width</th>
<th>905 mm 35.6 in</th>
</tr>
</thead>
</table>

#### Drum Diameter

<table>
<thead>
<tr>
<th>Diameter</th>
<th>205 mm 8 in</th>
</tr>
</thead>
</table>

#### Drum Width

<table>
<thead>
<tr>
<th>Width</th>
<th>274 mm 11 in</th>
</tr>
</thead>
</table>

#### Flange Diameter

<table>
<thead>
<tr>
<th>Diameter</th>
<th>457 mm 18 in</th>
</tr>
</thead>
</table>

#### Drum Capacity (Recommended Rope)

<table>
<thead>
<tr>
<th>Length</th>
<th>93 m 306 in</th>
</tr>
</thead>
</table>

#### Drum Capacity (Optional Rope)

<table>
<thead>
<tr>
<th>Length</th>
<th>67 mm 220 in</th>
</tr>
</thead>
</table>

#### Rope Recommended Diameter

<table>
<thead>
<tr>
<th>Diameter</th>
<th>19 mm 0.75 in</th>
</tr>
</thead>
</table>

#### Optional Cable Size

<table>
<thead>
<tr>
<th>Size</th>
<th>22 mm 0.87 in</th>
</tr>
</thead>
</table>

#### Cable Ferrule Size (O.D.)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>54 mm 2.13 in</th>
</tr>
</thead>
</table>

#### Cable Ferrule Size (Length)

<table>
<thead>
<tr>
<th>Length</th>
<th>67 mm 2.63 in</th>
</tr>
</thead>
</table>

#### Maximum Bare Drum

<table>
<thead>
<tr>
<th>Line Pull</th>
<th>222.4 kN 50,000 lbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line Speed</td>
<td>38 m/min 124 fpm</td>
</tr>
</tbody>
</table>

#### Maximum Full Drum

<table>
<thead>
<tr>
<th>Line Pull</th>
<th>115.7 kN 26,000 lbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line Speed</td>
<td>70 m/min 230 fpm</td>
</tr>
</tbody>
</table>

* Slow and standard speed winches are available.

* Weight includes: pump, operator controls, oil, mounting brackets and spacers.
Standards

• Brakes meet the standard ISO 10265:2008.
• 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 average exterior sound pressure level is 79 dB(A) when the “SAE J88 FEB2006 – Constant Speed Moving Test” procedure is used to measure the value for the standard machine. The measurement was conducted under the following conditions: distance of 15 m (49.2 ft) and “the machine moving forward in an intermediate gear ratio.”
• The declared dynamic operator sound pressure level is 78 dB(A) when “ISO 6396:2008” is used to measure the value for an enclosed cab. The measurement was conducted at 100% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds. The cab was properly installed and maintained. The measurement was conducted with the cab doors and the cab windows closed.
• If equipped, the certification label – 109 dB(A) – is used to verify the environmental sound certification of the machine to the requirements of the European Union. The value that is listed on the label indicates the guaranteed exterior sound power level (Lwa) at the time of manufacture for the conditions that are specified in “2000/14/EC.” Your machine may have a different value.

Sustainability

Engine Emissions
Fully complies with U.S. EPA Tier 4 Interim/EU Stage IIIIB/Japan MLIT Step 4 emission standards

Sound Levels

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Exterior Sound Pressure Level</td>
<td>79 dB(A)</td>
<td>SAE J88:2006</td>
</tr>
<tr>
<td>Maximum Sound Power Level</td>
<td>109 dB(A)</td>
<td>2000/14/EC</td>
</tr>
<tr>
<td>Dynamic Operator Sound Pressure Level (LpA)*</td>
<td>78 dB(A)</td>
<td>ISO 6396:2008</td>
</tr>
</tbody>
</table>

Vibration Levels

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Hand/Arm**</td>
<td>2.5 m/s²</td>
<td>ISO 5349:2001</td>
</tr>
<tr>
<td>Maximum Whole Body</td>
<td>0.5 m/s²</td>
<td>ISO/TR 25398:2006</td>
</tr>
</tbody>
</table>

Seat Transmissibility Factor ≤0.7
ISO 7096:2000 – spectral class EM6

* Measured at 100% of the maximum engine cooling fan speed.
** Values are for an experienced operator in a dozing application, consult the Operating and Maintenance Manual for further details.

Sound Level Information for Machines in European Union Countries and in Countries that Adopt the “EU Directives.” The information below applies to only the machine configurations that have the “CE” mark on the Product Identification Plate.

- The declared average exterior sound pressure level is 79 dB(A) when the “SAE J88 FEB2006 – Constant Speed Moving Test” procedure is used to measure the value for the standard machine. The measurement was conducted under the following conditions: distance of 15 m (49.2 ft) and “the machine moving forward in an intermediate gear ratio.”
### Tractor Dimensions

<table>
<thead>
<tr>
<th></th>
<th>XL</th>
<th>LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Track Gauge</td>
<td>1770 mm</td>
</tr>
<tr>
<td>2</td>
<td>Width of Tractor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>With the Following Attachments:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Standard Shoes without Blade</td>
<td>2330 mm</td>
</tr>
<tr>
<td></td>
<td>Standard Shoes with VPAT Blade Angled 25°</td>
<td>2896 mm</td>
</tr>
<tr>
<td></td>
<td>Standard Shoes with Foldable Blade in Transport Position</td>
<td>2364 mm</td>
</tr>
<tr>
<td>3</td>
<td>Machine Height from Tip of Grouser</td>
<td></td>
</tr>
<tr>
<td></td>
<td>With the Following Equipment:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ROPS Cab</td>
<td>2958 mm</td>
</tr>
<tr>
<td>4</td>
<td>Drawbar Height (Center of Clevis)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>From Ground Face of Shoes</td>
<td>466 mm</td>
</tr>
<tr>
<td>5</td>
<td>Length of Tack on Ground</td>
<td>2645 mm</td>
</tr>
<tr>
<td>6</td>
<td>Length of Basic Tractor (with C-Frame)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>With the Following Attachments, Add to Basic Tractor Length:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drawbar</td>
<td>229 mm</td>
</tr>
<tr>
<td></td>
<td>Ripper</td>
<td>1082 mm</td>
</tr>
<tr>
<td></td>
<td>PA50 Winch</td>
<td>567 mm</td>
</tr>
<tr>
<td></td>
<td>VPAT Blade, Straight</td>
<td>384 mm</td>
</tr>
<tr>
<td></td>
<td>VPAT Blade, Angled 25° (Standard and Foldable)</td>
<td>1015 mm</td>
</tr>
<tr>
<td>7</td>
<td>Height over Stack from Tip of Grouser</td>
<td>2873 mm</td>
</tr>
<tr>
<td>8</td>
<td>Height of Grouser</td>
<td>48 mm</td>
</tr>
<tr>
<td>9</td>
<td>Ground Clearance from Ground Face of Shoe (per SAE J1234)</td>
<td>360 mm</td>
</tr>
</tbody>
</table>
Standard Equipment may vary. Consult your Cat dealer for details.

OPERATOR STATION
- ROPS/FOPS cab, pressurized, with sliding side windows
- Air conditioning
- Seat, air suspension, cloth
  - Adjustable armrests
- 76 mm (3 in) retractable seat belt
- Adjustable seat-mounted, electro-hydraulic controls with fore/aft adjustment
- Footrests, dash-mounted
- Electric monitoring system including:
  - Gauges: engine coolant temperature, hydraulic oil temperature and fuel level
  - Indicators: including electronic engine air cleaner service indicator, electronic water-in-fuel indicator, and regeneration indicator
  - Digital display: electronic engine rpm, gear display, hour meter
- Rotary throttle switch
- Eco Modes throttle switch
- Stable blade switch
- Electronic travel speed limiter
- Independent forward/reverse speed settings
- Single pedal combining deceleration and braking functions
- Rearview mirrors
- Auxiliary mirror for rear attachment
- 12V radio ready
- One 12V power port
- Coat hook
- Storage compartment
- Cup holder
- Heavy duty rubber floor mat
- Windshield washers and wipers front and rear
- Intermittent wipers (doors)

UNDERCARRIAGE
- Undercarriage arrangements:
  - SystemOne undercarriage including:
    - Sprocketed relieved tread idler, lifetime lubricated
    - Eight bottom track rollers
    - Two carrier rollers
    - Idlers, lifetime lubricated
    - Tracks, 40 sections
      - XL configuration, 560 mm (22 in)
      - LGP configuration, 760 mm (30 in)
    - Adjustable idler height position
    - Hydraulic track adjusters
  - 8/2 SystemOne (eight bottom rollers, two carrier rollers)
- Track pairs, XL:
  - Tracks, 560 mm (22 in) MS XL, SystemOne
- Track pairs, LGP:
  - Tracks, 760 mm (30 in) MS LGP, SystemOne

POWER TRAIN
- Cat C6.6 ACERT diesel engine, turbocharged, meets U.S. EPA/ARB Tier 4 Interim, EU Stage IIIB and Japan MLIT (Step 4) emission standards
- Aluminum bar plate cooling system (radiator, hydraulic oil cooler, aftercooler)
- Hydraulic demand fan
- Air cleaner with precleaner, automatic dust ejection and under-hood intake
- Electric fuel priming pump
- Integrated fuel/water separator
- Tank fuel, standard
- Dual path, electronic control, closed-loop hydrostatic transmission
- Glowplugs starting aid

REAR ATTACHMENT
- Drawbar, rigid

TECHNOLOGY PRODUCTS
- Cat Product Link, PL522*
  - GSM Cellular networks

HYDRAULICS
- 3 valves, electro-hydraulics
- Load sensing hydraulics/pump
- Single lever with three functions control
- Hydraulic oil, standard

OTHER STANDARD EQUIPMENT
- C-frame with variable pitch link, hydraulic cylinder and lines
- Fuel tank, standard
- Hinged crankcase guards
- Lockable engine enclosures
- Idler guards
- Hinged radiator grill, with bolts
- Front pull device
- Swing-out radiator fan
- Scheduled Oil Sampling ports, S·O·SSM (engine, power train, hydraulics)

PROTECTION EQUIPMENT
- Guard, fuel tank
- Guard, crankcase
- Grill radiator

ANTI-FREEZE
- Extended life coolant, –37° C (–35° F)

HYDRAULIC FLUID
- Cat HYDO™ Advanced 10

* Product Link licensing not available in all areas.
Optional Equipment
Optional equipment may vary. Consult your Cat dealer for details.

POWER TRAIN
• Oil change system, high speed
• Hydraulic demand fan, reversing

UNDERCARRIAGE
• Undercarriage arrangement:
  – Heavy duty undercarriage
• Roller frames:
  – 8/2 heavy duty (eight bottom rollers, two carrier rollers)
  – 7/1 heavy duty (seven bottom rollers, one carrier roller)*
• Track pairs, XL:
  – Tracks, 510 mm (20 in), MS XL, SystemOne
  – Tracks, 510 mm (20 in), ES XL, SystemOne
  – Tracks, 560 mm (22 in), ES XL, SystemOne
• Track pairs, LGP:
  – Tracks, 760 mm (30 in) ES LGP, SystemOne
• Track guiding guards:
  – Guard, track guiding, center
  – Guard, track guiding, front and rear
  – Guard, track guiding, full length

HYDRAULICS
• Hydraulic oil, biodegradable
• Hydraulic, four valves

GUARDS AND PROTECTION PACKAGES
• Cab protection package, sweeps and rear screen
• Cab protection package, heavy duty, with sweeps, screens (rear and sides) and lighting guards
• Cab rear screen
• Guard, lift cylinder
• Heavy duty radiator grill
• Heavy duty protection with heavy duty fuel tank guard, crankcase guard and radiator grill

BLADES
• VPAT XL blade, ARO
• VPAT LGP blade, ARO
• VPAT XL blade, ARO foldable
• VPAT LGP blade, ARO foldable

REAR ATTACHMENT
• Ripper, parallelogram, multi-shank, with three straight teeth
• Ripper, parallelogram, multi-shank, with three curved teeth
• Winch preparation

REAR ATTACHMENT CONTROL
• Control ripper ready package
• Control winch ready package
• Control winch and ripper ready package

TECHNOLOGY PRODUCTS
• Machine Security System (MSS)
• Cat Product Link, PL321, satellite networks

MACHINE CONTROL AND GUIDANCE
• Installation, AccuGrade Ready Option (ARO)

COLD WEATHER PACKAGES
• Cold weather package, 120V
• Cold weather package, 240V
• Electrical insulated breather with heated filter and insulated hoses

ANTIFREEZE
• Cooling system antifreeze protection –50° C (–58° F)

OTHER ATTACHMENTS
• Rotating beacon

FIELD INSTALLED ATTACHMENTS
• Radios:
  – Radio, 12V, AM/FM
  – Radio, 12V, AM/FM CD player
  – Radio, 12V, AM/FM CD player (XM satellite radio antenna)**
  – Radio, 12V, AM/FM CD player (Sirius satellite radio antenna)**
• Winch:
  – PA50 hydrostatic winch, variable speed
  – Winch step
• Fairleads:
  – Fairlead, three rollers
  – Conversion kit, fourth roller

* For Europe, Africa and Middle East only. Not compatible with Stable Blade Control.
** Available through Parts Distribution for U.S.A. and Canada only.