# 548 / 548 LL

## Forest Machine

<table>
<thead>
<tr>
<th>Engine</th>
<th>Weights</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine Model</strong></td>
<td><strong>General Forestry, Processor, Side Entry Cab</strong></td>
</tr>
<tr>
<td>Cat™ C7.1 ACERT™</td>
<td>36 949 kg 81,458 lb</td>
</tr>
<tr>
<td>Gross Power</td>
<td><strong>Log Loader, Under/Under Side Entry Cab</strong></td>
</tr>
<tr>
<td>152 kW 204 hp</td>
<td>37 755 kg 83,235 lb</td>
</tr>
<tr>
<td></td>
<td><strong>Log Loader, Power Clam / BnT, Rear Entry Cab</strong></td>
</tr>
<tr>
<td></td>
<td>39 807 kg 87,760 lb</td>
</tr>
<tr>
<td></td>
<td>Estimated operating weight w/o attachment</td>
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</tbody>
</table>
Cat 548 / 548 LL Forest Machine Features

Performance
Enhanced by improved swing torque, stronger drawbar, and increased engine horsepower, the 548 and 548 LL deliver strong all-around performance, stability, and work tool capability.

Efficiency
Machine design, a new engine, and optimized components and parameters provide exceptional fuel savings with maximum productivity. Fuel economy is improved compared to previous model.

Application Versatility
Purpose-built hydraulics and new boom and stick configurations are capable of operating a wide range of work tools. New grouser options and purpose-built rear entry or processor cab increase machine applicability on the job site.

Operator Comfort
New rear entry cab and enhanced side entry cab increase overall efficiency through premium features that improve the overall operator experience. LED lights and heated/cooled seats are standard equipment on both cab arrangements.

Operating Costs
Proven Cat® components continue to provide excellent reliability. Thick plating, box frame structures, and forestry duty undercarriages provide longer life, reducing downtime and operating costs per hour.

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Cat Forest Machines (FM) are versatile, purpose-built machines that can be customized to perform a complete range of tasks for forestry operations. First introduced in the 1990s, this family of machines has become the industry standard in many logging applications. The 500 series forest machines will continue to set trends in the industry.

This is the third model in the 500 series to meet today’s U.S. EPA Tier 4 Final emission standards. The 548 and 548 LL feature outstanding performance through increased horsepower and swing torque, while delivering excellent fuel efficiency and low operating costs. A premium rear entry cab is available on the 548 LL platform, which maximizes operator experience.

The Cat 548 is available in a general forestry (548) version for road building, grapple applications, site preparation, and processing. It is also available in a log loader (548 LL) version for log loading, shovel logging, roadside processing, power clam applications, butt-n-top loading, and millyard activities.
Power Train
Power you need, fuel economy you deserve

**Engine**
Cat C7.1 ACERT™ Tier 4 Final engine with increased gross power, 152 kW (204 hp), provides maximum performance under load and boasts strong fuel efficiency. The C7.1 engine and emissions system meets U.S. EPA emissions standards.

**Performance**
Engine horsepower increase translates to the power you need for strong multi-functioning, improved implement performance, and more production.

**Efficiency**
The S48 and S48 LL feature isochronous speed control to maintain a constant engine speed, in most applications, to improve fuel consumption. A new level of fuel economy has been achieved with these settings, while power is maintained with a larger pump that produces more hydraulic oil flow.

**Electronic Control Module**
The Electronic Control Module (ECM) works as the ‘brain’ of the engine’s control system, responding quickly to operating variables to maximize engine efficiency. Fully integrated with sensors on the engine, the ECM stores and relays data on conditions such as RPM, fuel consumption, and diagnostic information. It provides sophisticated control of fueling for maximum fuel economy and reduced emissions.

**Advanced Fuel Systems**
The high pressure common rail fuel system with full electronic injection further improves precision, which helps to reduce soot and boosts engine performance. Highly regulated timing controls the fuel injection process, for a cleaner, more efficient fuel reaction.

**Air Management**
The Tier 4 engine features innovative air management systems that optimize airflow and enhance power, efficiency, and reliability. A single, fixed geometry turbocharger allows maximum turbo performance to help improve productivity, fuel efficiency, long life, and low operating costs.

**Cat NOx Reduction System**
The Cat nitrogen oxide (NOx) reduction system captures a small quantity of exhaust gas and routes it back into the combustion chamber to help reduce temperature and reduce nitrogen oxide emissions. This system is the result of more than a decade of Caterpillar research to develop reliable, proven technology.

**An Emissions Solution that Works**
The C7.1 ACERT engine meets U.S. EPA Tier 4 Final and EU Stage IV emission standards using a blend of technologies to optimize performance, whatever the conditions. The Selective Catalytic Reduction (SCR), Diesel Oxidation Catalyst (DOC), and Ammonia Oxidation Catalyst (AMOX) systems effectively remove nitrogen oxide gases from the exhaust, while a service-free Diesel Particulate Filter (DPF) removes soot and other particulates. All Cat C7.1 ACERT emissions technologies are designed to be transparent, so you are free to simply start the machine and be productive.

**Diesel Exhaust Fluid**
Cat engines equipped with a SCR system, inject Diesel Exhaust Fluid (DEF) into the exhaust to reduce nitrogen oxide emissions. Diesel exhaust fluid is a precise solution of high purity chemical grade urea and de-ionized water. The DEF used in Cat SCR systems must meet requirements of the International Organization for Standardization (ISO), requirements that are met by many brands of DEF, including those that carry AdBlue or API certifications.

**Cooling System**
The Cat C7.1 ACERT engine features an improved side-by-side cooling system, and cooling capacity increase of 44 percent over the previous machine. The radiator package has been updated, and fin spacing has increased 25 percent to improve airflow and cooling capability. Service access has improved with the ability to lift the air-to-air after-cooler out of the way.

A standard auto-reversing fan increases service intervals and maintains proper engine operating temperature. This belt driven fan is programmable and can be operated manually as well. During operation, the fan blade pitch is optimized based on intake temperature, coolant temperature, and hydraulic oil temperature. This helps to attain operating temperature quicker and reduces fuel consumption, therefore maximizing efficiency.

**Automatic Engine Speed Control**
With automatic engine speed control, the machine will revert automatically to a lower idle speed when there is a pause or lull in operations, reducing fuel consumption. When the operator begins using the joysticks again, the engine automatically resumes normal operating rpm. This functionality can also be activated manually through the one-touch idle control located on the joystick handle.

There is also a choice of three power modes depending on the demands of the work tasks or application. They include high power, standard power, and eco mode. Modes can be easily changed on the console switch pad. These energy saving features maximize engine life and fuel efficiency, reduce sound levels, and reduce repair and maintenance costs.

**Air Filter**
The radial seal air filter features a double-layer core for better filtration and extending service intervals. If debris plugs the filter above a pre-set level, the monitor displays a warning.

**Compatible with Biodiesel**
The engine and common rail fuel system can operate on biodiesel fuel (B20) that meets ASTM 6751 standards, flexibility that allows for potential fuel savings.
Hydraulics
Maximum efficiency for your application

Maximum Power and Efficiency
The hydraulic system has been designed for a high level of efficiency and power, while delivering needed performance to implements and work tools. The pumps have been upsized to allow the engine to run at a lower rpm, reducing fuel consumption. This translates into processing more material while reducing your bottom line.

System Design
The main pumps, control valves, and hydraulic oil tank are located close together to allow for shorter tubes and lines between components, which reduces friction and pressure drops.

Main Control Valve Efficiency
One-piece, cast-block, back-to-back control valves are standard and help to further minimize power losses and increase efficiency through carefully designed ports and passageways. The control valve design also leads to increased reliability and serviceability, minimizing downtime. Auxiliary valves are mounted on top of the main valve.

Operator Experience
Controllability is one of the main attributes of Cat Forest Machines, and a key contributor to this is the Negative Flow Control (NFC) system and the main control valve. The valve opens slowly when the range of joystick movement is small and opens rapidly when movement is faster. The system improves productivity with quick pump response and provides flow where it is needed. The result is faster implement speeds, smoother operation, and greater efficiency and performance.

Integrated and Efficient Work Tools
Key work tool parameters and specific hydraulic components have been integrated into the machine and have been finely tuned for Cat work tools. The optimized machine package has proven to save fuel.

Swing System
Validated and proven Cat swing drive system provides 19 percent higher swing torque on the 548 (GF) and 18 percent higher swing torque on the 548 LL. Better swing performance improves productivity and operator efficiency.

Boom Regeneration Circuits
An electronic boom regeneration valve minimizes pump flow when the boom lowers by regenerating oil from one end of the boom cylinder to the other. This saves energy and improves fuel efficiency. It is optimized for any dial speed setting, which reduces pressure loss for better controllability, more productivity, and lower operating costs.

Stick Regeneration Circuits
The 548 and 548 LL regenerate hydraulic oil flow from one end of the stick cylinder to the other end of the stick cylinder during stick-in operations—an approach that reduces expenses and saves money.

Swing Priority Circuit
The swing priority circuit on the 548 and 548 LL uses an electric valve that is operated by the machine’s Electronic Control Module (ECM). Compared to using a hydraulic valve, the electric valve enables more finely tuned control, which is critical in some operations.

Heavy Lift Mode
The heavy lift mode capacity increases 11 percent—an important benefit in some work conditions. Heavy lift mode reduces engine speed and pump flow to improve controllability in these situations.

Auxiliary Hydraulics
The auxiliary valve is standard and various control circuits are available as attachments, allowing for operation of a large variety of work tools. One machine can be utilized in diverse applications, minimizing operating costs.

Pilot System
The pilot pump is independent from the main pump group and provides pilot oil to control the boom and stick, swing, and travel valve functions.

Hydraulic Snubbers
Boom and stick cylinders are equipped with snubbers to cushion shocks, increase cylinder life, and reduce sound, increasing uptime and productivity.

Fine Swing Control
Standard fine swing control cushions start and stop of swing function for better implement control.
Work in Comfort
Operator station reduces fatigue

Cab
The workstation is spacious, quiet, and comfortable, ensuring high productivity all day. Controls, joysticks, and an ergonomically designed seat are placed strategically in order to reduce operator fatigue. A standard side entry cab, a side entry processor cab, and a rear entry cab are available to match all applications.

Seat Comfort
Comfortable air suspension seat has varying adjustments for operator’s height and weight. Adjustments include a reclining back, upper and lower seat slide, and height and tilt angle to keep the operator comfortable and productive. Wide adjustable arms also are incorporated in the seat.

Climate Control
A pressurized cab with updated bi-level air conditioner, heater, and defroster keeps the operator comfortable in all types of weather conditions. Other features include positive ventilation, forced air fan, and fresh air window with screen.

Visibility
Cab design optimizes post location and placement of scratch-resistant polycarbonate windows to provide excellent visibility to the front, sides, and rear. Large skylight with sunshade provides excellent upward visibility. LED lights are included for increased visibility in night operations and windshield wipers are standard.

Processor Cab
Optional side entry processor cab has 19 mm (0.75 in) front windows and other features needed for a processing application such as mounting bosses and electrical connections for processing computers.

Monitor, Gauges
The monitor is a full-color Liquid Crystal Display (LCD) and is easy to see and navigate. It is 40 percent larger and has four times the screen resolution than the previous model. The keypad has been designed for increased durability. Four gauges display coolant temperature, hydraulic oil temperature, fuel level, and DEF fluid level. It is equipped with warning lamp and buzzer for critical warnings, such as issues with engine oil pressure, coolant temperature, and oil temperature. Filters and fluid change intervals are available in the main menu. Machine information is displayed in the form of both text and icon and the monitor is capable of exhibiting various information in up to 42 different languages.

Pre-Start Check
Prior to starting the machine, the system will check critical machine systems and warn the operator through the monitor in the event display area.

Controls
Joystick controls have low lever effort and are designed to match natural wrist and arm position. The controls can be operated with an arm on the armrest, and the horizontal and vertical strokes have been optimized to lessen operator fatigue. Proportional control and push buttons are utilized, allowing maximum productivity.

Consoles
Consoles are a simple, functional design to make it easy to operate switches, reducing fatigue, and maximizing visibility. Storage space is provided within the consoles to hold small items.

Satellite Radio
Satellite radio and auxiliary audio port for MP3 players are standard. Two 12-volt power supply sockets are located near storage areas for charging.

Certified Protection
The cab is designed and purpose-built for the toughest forestry applications. Certifications include ROPS, FOPS, OPS, OR-OSHA, and WCB. Windows are made of impact-resistant polycarbonate.

Escape Hatch
An escape hatch at the rear of the cab roof allows exit from the cab or entry from the outside in case of an emergency.

Rear Entry Cab
Optional rear entry cab, available in a 1.219 m (48 in) cab-forward riser or a 1.829 m (72 in) cab-forward riser configuration, delivers spacious operator comfort and right side access to the machine on log loader models. Standard key FOB provides efficient night time access allowing the operator to illuminate their path onto and off the machine. Visibility is improved for shovel logging applications, through the use of floor windows. High quality interior finishes, combined with important accessories help maximize the operator experience. The cab includes a cell phone booster, bluetooth, large cup holder, cargo netting, and plenty of storage in addition to all standard cab features. A dual HVAC system ensures comfortable operating temperatures. The rear entry cab features an innovative cab lock down system, that helps maximize machine uptime before and after transport. Only one tool is required to simply loosen or tighten two lock downs, which are accessible from the outside of the riser. Visual indicators inside the riser assure the hold down system is secure for operation.
Designed for the Work You Do
Purpose-built linkage, upper frame, and carbody

Guarding
Protection for your forestry machine investment

Rugged Main Frame for Maximum Durability
- Outer frame utilizes curved side rails, which are die-formed for uniformity and strength
- Inverted U-channels span the width of the main frame and are formed – not fabricated – for superior strength and reduced weight
- Box section channels, certified for roll over protection, improve upper frame rigidity under the cab
- Boom tower and main rails are constructed of solid, high tensile strength steel, and reinforced at boom foot
- Swing drive area is reinforced into the main frame rails to support high stress loads, such as those found in shovel logging
- The boom foot and engine mount areas have multiple reinforcements, such as doubler plates and box sections, for additional strength
- The sheet metal supporting structure is integrated into the upper frame for additional durability

Boom and Stick
- Upper structure weight and stresses are distributed evenly across the full length of the long track roller frame
- Smooth transitions and long robotic welds help reduce stresses at the carbody-to-roller frame junctions for excellent durability and maintain high quality and consistency during the welding process

Counterweight Fuel Tank
New 989 L (261 gal) counterweight fuel tank maximizes fuel capacity, without compromising storage space on the right side of the machine. Fuel tank incorporates integrated lifting links for safe, efficient removal.

Storage
A new 0.56 m³ (19.8 ft³) storage compartment allows for easy ground level access to bars, chains, tools, and other supplies that are needed on a daily basis for machine and work tool maintenance.

Heavy-Duty Access Doors
Heavy-duty access doors are made from 5 mm (0.20 in) high strength, low alloy steel. Positive locking latch stays closed in forestry applications, and hinges have larger diameters than standard doors.

Engine Hood
New single piece steel hood design exposes entire engine and cooling compartment.

Stick Cylinder Guard
Standard heavy-duty stick cylinder guard protects hydraulic lines, fittings, and cylinder components from trees and debris.

Shoe Support Guards
Standard full length track shoe support guards help protect rollers and provide increased rigidity that enables track link alignment in rough underfoot conditions.

Right Front Corner Guard
Right front corner guard has an added tree deflector arm to provide increased protection from debris and falling trees and limbs. The arm can be rotated into a vertical position for transport.

Undercarriage Protection
Heavy-duty final drive and hydraulic swivel guards keep debris out and protect components for increased uptime.
A Firm Foundation
Stable, durable undercarriage

Heavy-Duty Grease Lubricated Track
The 336 HEX HD track links are 216 mm (8.5 in) in pitch, and are greased for added durability and reliability. Grease lubricated track allows more usable horsepower because of reduced internal friction; it also extends internal bushing and system wear life, reduces noise, and reduces the chance for frozen track joints.

Heavy-Duty Rolling Components
Heavy-duty top carrier rollers with dual supports provide superior endurance. Nine heavy-duty bottom rollers stand up to the toughest forestry applications. Features include greater sealability, higher resistance to deformation, and greater load carrying capacity.

Heavy-Duty Final Drives
Durable, final drives provide maximum drawbar and appropriate travel speeds that increase productivity in the toughest logging applications.

Pick Your Application
Versatile workhorse for forestry tasks

The 548 is available in two main machine configurations to meet the requirements of a wide range of forestry applications. The machines are optimized for each application with purpose-built hydraulics and customized boom and stick sets. The general forestry (548) configuration is available to complete work as a road builder, grapple carrier, or processor. The log loader (548 LL) configuration is the right choice for shovel logging, log loading, processor, power clam, butt-n-top, and millyard applications.

548 - General Forestry
Reach
The reach configuration utilizes a reach boom, is quick coupler ready from the factory, and can be configured with buckets, thumbs, and other attachments for road building applications.

Reach with Rotate
The reach with rotate configuration allows for the use of buckets and thumbs as well as clamshells and clearing grapples through additional hydraulic lines and an auxiliary pump circuit.

Processor
Optimized hydraulics and drop nose stick allow the 548 to work efficiently and productively as a roadside processor. The capability for the integration of work tools and machine maximizes profit potential.

Front Omission
The 548 is available from the factory without a boom and stick for certain AEM work tools. The front omission configurations are available with or without boom cylinders.

548 LL - Log Loader
Under/Under
The under/under configuration is best suited for shovel logging and loading applications. The under-mounted heel cylinder provides maximum heeling force for shovel logging operations.

Over/Under
This configuration is optimized for loading and millyard applications by increasing lift height. The over-mounted heel cylinder provides maximum clearance to load and stack.

Power Clam / Butt-n-Top
The power clam / butt-n-top configuration, which includes an auxiliary piston pump, can be re-configured for use with AEM power clam or butt-n-top style attachments.
Serviceability
Easy to access, easy to maintain, saving you time and money

Ground Level Service
The 548 and 548 LL were designed to be easy to maintain, and with the customer and service technician in mind. Many service locations are readily accessible at ground level, so critical maintenance can be completed quickly and efficiently. Wider and taller service doors enable better access to components.

Radiator Compartment
The left rear service door allows convenient access to the engine radiator, oil cooler, and air-to-air after-cooler for easy service and cleaning. The after-cooler lifts out of the way for easy service of the coolant and hydraulic coolers. A drain cock is provided on the radiator for simplified maintenance. A new shunt tank for constant system pressure is located in the engine compartment. This compartment also houses the secondary fuel filter.

Battery Compartment
The compartment located directly behind the cab contains the air filter, AC condenser, four standard batteries, ECMs, and the disconnect switch, all within easy access. The air filter features double element construction for superior cleaning efficiency. When the air filter plugs, a warning light is displayed on the monitor in the cab.

Pump Compartment
A service door on the right side of the upper structure allows ground level access to the pump, case drain filter, pilot filter, remote engine oil filter, and fuel filter. The machine is equipped with an electronic priming pump, that is more reliable and easier to service than traditional hand pumps.

Diagnostics and Monitoring
Prior to starting the machine, a system checks critical machine components, and if there is an issue, the operator is warned through the monitor in the event display area. The 548 and 548 LL are also equipped with S·O·S SM sampling and test ports for the hydraulic system, engine oil, and coolant. A test connection for the Cat Electronic Technician (Cat ET) service tool is located in the cab, which allows downloads and diagnostic capability of all machine parameters.

Work Tools
The right tools, for maximum productivity

Cat GLL Log Loader Grapples
Cat 360-degree continuous rotation log loading grapples for forestry machines are high capacity tools. They are built for endurance in high-volume logging applications. GLL grapple legs are made of high strength alloy steel with unique leg profiles for maximum performance in picking/sorting, bunching/loading, or shoveling applications. Cat grapples have bolt-on access panels for easy serviceability and are backed by the world-class Cat dealer network.

GLL Specifications / Dimensions

<table>
<thead>
<tr>
<th></th>
<th>GLL52B</th>
<th>GLL55B</th>
<th>GLL60B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>1255 kg</td>
<td>2,767 lb</td>
<td>1291 kg</td>
</tr>
<tr>
<td>Width</td>
<td>1725 mm</td>
<td>67.9 in</td>
<td>1765 mm</td>
</tr>
<tr>
<td>A Height, Open</td>
<td>2134 mm</td>
<td>84.0 in</td>
<td>2144 mm</td>
</tr>
<tr>
<td>B Height, Closed</td>
<td>2198 mm</td>
<td>86.3 in</td>
<td>2210 mm</td>
</tr>
<tr>
<td>C Maximum Opening</td>
<td>1321 mm</td>
<td>52.0 in</td>
<td>1397 mm</td>
</tr>
<tr>
<td>D Minimum Opening</td>
<td>127 mm</td>
<td>5.0 in</td>
<td>127 mm</td>
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<tr>
<td>Rotation</td>
<td>360°</td>
<td>360°</td>
<td>360°</td>
</tr>
</tbody>
</table>

Rotational Torque at 8274 kPa (1,200 psi)

<table>
<thead>
<tr>
<th></th>
<th>GLL52B</th>
<th>GLL55B</th>
<th>GLL60B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1153 N·m</td>
<td>850.4 lbf-ft</td>
<td>1153 N·m</td>
<td>850.4 lbf-ft</td>
</tr>
</tbody>
</table>

Cat Live Heels
Heels are available in under/under and over/under configurations to match the requirements of log loader applications. Cat GLL grapples can pin directly to a Cat live heel for easy installation and maintenance.

Buckets
Cat buckets are designed for better performance. The leading edge has been pushed forward, for more efficient filling and better operator control, which greatly improves productivity. Wear coverage in the corners and side cutter and sidebar protector coverage are improved. The lift eye design accepts a wide range of shackle sizes.

Couplers
Quick couplers allow one person to change work tools in seconds for maximum performance and flexibility on a job site. One machine can move rapidly from task to task, and a fleet of similarly equipped machines can share a common work tool inventory.
Safety
Safely home. Everyone. Every day.™

Safety is critical in the woods, and a number of unique safety features have been designed into the 548 and 548 LL Forest Machines, including:

• Certified forestry cab with tough polycarbonate windows
• Sealing and cab roof liner help to lower noise levels
• Pressurized operator station for a clean, quiet environment
• 19 mm (0.75 in) front windows available for processing applications
• Guards on fresh air side windows
• Standard LED work lights and windshield wipers
• Rear entry cab offers ingress and egress from the right side of the machine

• Key FOB on rear entry cab option allows for efficient night time access
• Reinforced upper frame to accommodate the ROPS cab
• Ground level emergency shut-off switch
• Ground level daily maintenance
• Wide track gauge that maximizes stability
• Secure access to engine enclosure with steps, hand rails, and guardrails
• Anti-skid plate is utilized on all walking surfaces on the upper structure, steps, and catwalks
• Integrated lifting links on the fuel tank to provide easy removal
• Forestry-duty cooling packages with reversible fan
• Compartmentalization of engine and hydraulic areas

Sustainability
Generations ahead in every way

Caterpillar is known the world over for the quality of customer support from its dealer network — the industry’s best. No matter where you are, the expertise of a Cat dealer is always nearby. Your local Cat dealer is your forestry consultant who can recommend the machines, work tools, and services to maximize your operation and provide the support to keep you at top productivity.

• Unserved worldwide parts network
• 24-hour parts availability, where and when you need them, to minimize expensive downtime
• Remanufactured parts that carry the same warranty as new parts at reduced cost

Focus on the Customer
Cat dealer services keep you running longer at less cost

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• Operator training to get the most out of your Cat equipment through literature and classes
• Field service technicians to provide on-site help when needed
• Timely repair and replacement services
• Customer Support Agreements to lower your operating costs; can be applied to the entire machine, including attachments
• State-of-the-art diagnostic programs, such as S·O·S oil analysis, inspections, and trend reporting to help avoid unscheduled repairs
• Financing programs for buying, renting, or leasing Caterpillar equipment
• Cat Financial Commercial Account provides a fast, convenient way to buy or rent anything offered at any Cat dealer or The Cat Rental Store
• Cat insurance to cover equipment losses from theft, collision, flood, upset or overturn, fire, vandalism, and more
• Product Link to manage equipment losses from theft, collision, flood, upset or overturn, fire, vandalism, and more
• Job site and machine consulting to ensure you get the right product and work tools

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

Easy to Service
Cat Product Link™, Caterpillar’s machine monitoring system, is standard. When installed at the factory, the system comes with a free subscription to VisionLink®, an easy-to-use user interface.

Product Link is an advanced — but user friendly — remote monitoring technology for equipment. You know where the machine is, what it is doing, and how it is performing. Using this information you can maximize efficiency and lower operating costs.

Product Link is integrated with the Electronic Control Module to collect and deliver valuable data. The information is transmitted via satellite, and you have access to it via the internet at anytime and anywhere. With Product Link and the VisionLink user interface you can:

• Know the location and status of your 548 or 548 LL, including alerts if it is moved without your knowledge
• Track fuel use and idle time
• Monitor efficiency and performance, including fault codes
• Access fluid analysis results and online parts ordering
• Access model-specific daily maintenance inspection checklists

Visit www.cat.com/rpaytostock for more information on Cat Product Link.

Safely home. Everyone. Every day.™
Engine

- Model: Cat C7.1 ACERT
- Gross Power at 1,800 rpm: 152 kW (204 hp)
- Engine Speed: 1,800 rpm
- Bore: 105 mm (4.1 in)
- Stroke: 135 mm (5.3 in)
- Displacement: 7.01 L (428 in3)
- Peak Torque: 870 N·m (642 lbf-ft)
- Peak Torque Speed: 1,400 rpm
- Number of Cylinders: 6

Weights

- Estimated Operating Weight w/o Attachment
  - 548 General Forestry (GF), Processor, Side Entry Cab: 36,949 kg (81,458 lb)
  - 548 LL (Log Loader, Under/Under, Side Entry Cab): 37,755 kg (83,235 lb)
  - 548 LL (Log Loader, Power Clam/BnT, Rear Entry Cab): 39,807 kg (87,760 lb)

 Operating Specifications

- Max. Speed (turtle): 2.4 km/h (1.5 mph)
- Max. Speed (rabbit): 4.8 km/h (3.0 mph)
- Maximum Swing Speed - 548 (GF): 9.3 rpm
- Maximum Swing Speed - 548 LL: 9.3 rpm
- Swing Torque - 548 (GF): 87.3 kN·m (64,412 lbf-ft)
- Swing Torque - 548 LL: 97.3 kN·m (70,642 lbf-ft)
- Operator Height from Ground (eye level): 1.219 m (48 in) Side Entry Cab/Riser
- Undercarriage Pitch: 219.9 mm (8.6 in)
- Track Gauge: 289.9 mm (11.4 in)
- Track Length: 5009 mm (197.2 in)
- Ground Clearance: 774 mm (30.5 in)
- Number of Track Rollers (per side): 8
- Number of Carrier Rollers (per side): 2

Hydraulic System

- Main Pumps
  - Max. Flow: 216 L/min (58.7 gal/min)
- Main Pumps
  - Max. Flow: 452 L/min (119.4 gal/min)
- Engine
  - Speed
  - Operation: 1,600 rpm
  - Travel: 1,650 rpm
- Bore: 105 mm (4.1 in)
- Stroke: 135 mm (5.3 in)
- Displacement: 7.01 L (428 in3)
- Peak Torque: 870 N·m (642 lbf-ft)
- Peak Torque Speed: 1,400 rpm
- Number of Cylinders: 6

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- Max. Speed (turtle): 2.4 km/h (1.5 mph)
- Max. Speed (rabbit): 4.8 km/h (3.0 mph)
- Maximum Swing Speed - 548 (GF): 9.3 rpm
- Maximum Swing Speed - 548 LL: 9.3 rpm
- Swing Torque - 548 (GF): 87.3 kN·m (64,412 lbf-ft)
- Swing Torque - 548 LL: 97.3 kN·m (70,642 lbf-ft)
- Operator Height from Ground (eye level): 1.219 m (48 in) Side Entry Cab/Riser
- Undercarriage Pitch: 219.9 mm (8.6 in)
- Track Gauge: 289.9 mm (11.4 in)
- Track Length: 5009 mm (197.2 in)
- Ground Clearance: 774 mm (30.5 in)
- Number of Track Rollers (per side): 8
- Number of Carrier Rollers (per side): 2

Hydraulic System

- Main Pumps
- Max. Flow (per pump): 216 L/min (58.7 gal/min)
- Main Pumps
- Max. Flow: 452 L/min (119.4 gal/min)
- Engine Speed
- Operation: 1,600 rpm
- Travel: 1,650 rpm
- Bore: 105 mm (4.1 in)
- Stroke: 135 mm (5.3 in)
- Displacement: 7.01 L (428 in3)
- Peak Torque: 870 N·m (642 lbf-ft)
- Peak Torque Speed: 1,400 rpm
- Number of Cylinders: 6

- Estimated Operating Weight w/o Attachment
- 548 General Forestry, Processor, Side Entry Cab: 36,949 kg (81,458 lb)
- 548 LL (Log Loader, Under/Under, Side Entry Cab): 37,755 kg (83,235 lb)
- 548 LL (Log Loader, Power Clam/BnT, Rear Entry Cab): 39,807 kg (87,760 lb)

- Operating Specifications
- Max. Speed (turtle): 2.4 km/h (1.5 mph)
- Max. Speed (rabbit): 4.8 km/h (3.0 mph)
- Maximum Swing Speed - 548 (GF): 9.3 rpm
- Maximum Swing Speed - 548 LL: 9.3 rpm
- Swing Torque - 548 (GF): 87.3 kN·m (64,412 lbf-ft)
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- Operator Height from Ground (eye level): 1.219 m (48 in) Side Entry Cab/Riser
- Undercarriage Pitch: 219.9 mm (8.6 in)
- Track Gauge: 289.9 mm (11.4 in)
- Track Length: 5009 mm (197.2 in)
- Ground Clearance: 774 mm (30.5 in)
- Number of Track Rollers (per side): 8
- Number of Carrier Rollers (per side): 2

548 - General Forestry Cylinders

- Boom Cylinder - Bore: 135 mm (5.3 in)
- Boom Cylinder - Rod: 95 mm (3.7 in)
- Stick Cylinder - Bore: 140 mm (5.5 in)
- Stick Cylinder - Rod: 100 mm (3.9 in)
- Bucket Cylinder - Bore: 130 mm (5.1 in)
- Bucket Cylinder - Rod: 90 mm (3.5 in)
- Bucket Cylinder - Stroke: 1156 mm (45.5 in)

548 LL - Log Loader Cylinders

- Boom Cylinder - Bore: 140 mm (5.5 in)
- Boom Cylinder - Rod: 100 mm (3.9 in)
- Stick Cylinder - Bore: 170 mm (6.7 in)
- Stick Cylinder - Stroke: 1185 mm (46.7 in)
- Heel Cylinder - Bore (U/U): 130 mm (5.1 in)
- Heel Cylinder - Rod (U/U): 90 mm (3.5 in)
- Heel Cylinder - Stroke (U/U): 1257 mm (49.5 in)
- Tool Cylinder - Bore (Power Clam / BnT): 130 mm (5.1 in)
- Tool Cylinder - Rod (Power Clam / BnT): 90 mm (3.5 in)
- Tool Cylinder - Stroke (Power Clam / BnT): 1106 mm (43.5 in)

548 General Forestry - Processor (≤452 m (18 ft) riser side entry cab, boom stretched out away from the machine)

- Height of Tilted Side Entry Cab: 3479 mm (137.0 in)
- Boom Height: 3746 mm (147.4 in)
- Overall Height: 4166 mm (164.0 in)
- Overall Length (Reach with Rotate): 5009 mm (197.2 in)
- Tail Swing Length: 3501 mm (137.8 in)
- Distance Between Idler and Sprocket Centerline: 4019 mm (158.2 in)
- Track Length: 5059 mm (198.2 in)
- Ground Clearance: 774 mm (30.5 in)
- Track Gauge: 2809 mm (110.6 in)
- Width with 700 mm (28 in) Shoes: 3539 mm (139.1 in)

Standards

- Cab: ISO 8082:1994
- ISO 11512:1995
- Cab: ISO 8083:1989 LEVEL I
- ISO 8083:1989 LEVEL II
- ISO 8084:1993
- SAE J1084:1978
- SAE J1356:1988
- WCB G602, G603, G604, G608
- OR-OSHA 437-007-0775 (14)

Dimensions

- All dimensions are approximate
### Dimensions
All dimensions are approximate

#### 548 LL Log Loader - Under/Under

1. **Height of Tilted Side Entry Cab**: 3479 mm (137.0 in)
2. **Boom Height**: 2894 mm (112.8 in)
3. **Overall Height**: 4928 mm (194.0 in)
4. **Overall Length (U/U)**: 15 143 mm (596.2 in)
5. **Tail Swing Radius**: 4019 mm (158.2 in)
6. **Distance Between Idler and Sprocket Centerline**: 4913 mm (191.2 in)
7. **Track Length**: 5055 mm (198.2 in)
8. **Ground Clearance**: 74 mm (30.5 in)
9. **Track Gauge**: 2893 mm (110.6 in)
10. **Width with 700 mm (28 in) Shoes**: 3509 mm (138.1 in)

---

#### 548 (GF) Reach with Rotate Working Envelope

- **Numbers marked with "*" are limited by hydraulic capacity**
- **Follows ISO 10567**: Does not exceed 87% of hydraulic lifting capacity or 75% of tipping load
- **Heavy lift mode is activated**
- **Machine is equipped with 700 mm (28 in) grousers**
- **Fuel level is at 100%, other fluids are at recommended levels**
- **Weight of all lifting accessories must be deducted from the above lifting capacities**

---

#### 548 (GF) Reach with Rotate Lift Capacities

<table>
<thead>
<tr>
<th>Lift Point/Height</th>
<th>1.5 m/5 ft</th>
<th>5.0 m/16 ft</th>
<th>6.0 m/19 ft</th>
<th>7.5 m/24.5 ft</th>
<th>9.0 m/30 ft</th>
<th>Maximum Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Over/Over/Over</td>
<td>Over/Over/Over</td>
<td>Over/Over/Over</td>
<td>Over/Over/Over</td>
<td>Over/Over/Over</td>
<td>Over/Over/Over</td>
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<td>kg/lb</td>
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<td>kg/lb</td>
<td>kg/lb</td>
<td>kg/lb</td>
<td>kg/lb</td>
<td>m/ft</td>
</tr>
<tr>
<td>7.6 m/25 ft</td>
<td>7.6 m/25 ft</td>
<td>7.6 m/25 ft</td>
<td>7.6 m/25 ft</td>
<td>7.6 m/25 ft</td>
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<tr>
<td>6.1 m/20 ft</td>
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<td>6.1 m/20 ft</td>
<td>6.1 m/20 ft</td>
<td>6.1 m/20 ft</td>
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<td>25.10</td>
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<td><strong>7414</strong></td>
<td><strong>16,345</strong></td>
<td><strong>7414</strong></td>
</tr>
<tr>
<td>4.6 m/15 ft</td>
<td>4.6 m/15 ft</td>
<td>4.6 m/15 ft</td>
<td>4.6 m/15 ft</td>
<td>4.6 m/15 ft</td>
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<td><strong>9835</strong></td>
<td><strong>21,683</strong></td>
<td><strong>9835</strong></td>
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<tr>
<td>3.0 m/10 ft</td>
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<td>3.0 m/10 ft</td>
<td>3.0 m/10 ft</td>
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<td><strong>27,275</strong></td>
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<td>1.5 m/5 ft</td>
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<td>1.5 m/5 ft</td>
<td>1.5 m/5 ft</td>
<td>1.5 m/5 ft</td>
<td>1.5 m/5 ft</td>
<td>1.5 m/5 ft</td>
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<td>8.59</td>
<td>28.19</td>
<td><strong>14 365</strong></td>
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<td><strong>14 365</strong></td>
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<td>0.0 m/0 ft</td>
<td>0.0 m/0 ft</td>
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<td><strong>7306</strong></td>
<td><strong>16,107</strong></td>
<td><strong>7306</strong></td>
</tr>
<tr>
<td>-1.5 m/-5 ft</td>
<td>-1.5 m/-5 ft</td>
<td>-1.5 m/-5 ft</td>
<td>-1.5 m/-5 ft</td>
<td>-1.5 m/-5 ft</td>
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<td><strong>13 090</strong></td>
<td><strong>28,859</strong></td>
<td><strong>13 090</strong></td>
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</table>

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Numbers marked with "**" are limited by hydraulic capacity.
### 548 GF Processor Lift Capacities

<table>
<thead>
<tr>
<th>Lifting Height</th>
<th>1.5 ft/0.5 m</th>
<th>3.0 ft/0.9 m</th>
<th>4.5 ft/1.4 m</th>
<th>6.0 ft/1.8 m</th>
<th>7.5 ft/2.3 m</th>
<th>9.0 ft/2.7 m</th>
<th>Maximum Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 ft/2.3 m</td>
<td>1,964 lb/900 kg</td>
<td>2,940 lb/1,330 kg</td>
<td>3,500 lb/1,590 kg</td>
<td>3,800 lb/1,720 kg</td>
<td>4,100 lb/1,860 kg</td>
<td>4,400 lb/1,980 kg</td>
<td>5,000 lb/2,270 kg</td>
</tr>
<tr>
<td>10.0 ft/3.0 m</td>
<td>1,964 lb/900 kg</td>
<td>2,940 lb/1,330 kg</td>
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</tbody>
</table>

*Numbers marked with "**" are limited by hydraulic capacity*

Follows ISO 10567: Does not exceed 87% of hydraulic lifting capacity or 75% of tipping load

Heavy lift mode is activated

Machine is equipped with 700 mm (28 in) gauges

Fuel level is at 100%, other fluids are at recommended levels

Weight of all lifting accessories must be deducted from the above lifting capacities

### 548 LL Under/Under Working Envelope

<table>
<thead>
<tr>
<th>Lifting Height</th>
<th>1.5 ft/0.5 m</th>
<th>3.0 ft/0.9 m</th>
<th>4.5 ft/1.4 m</th>
<th>6.0 ft/1.8 m</th>
<th>7.5 ft/2.3 m</th>
<th>9.0 ft/2.7 m</th>
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</tr>
</thead>
<tbody>
<tr>
<td>7.5 ft/2.3 m</td>
<td>24,378 lb/11,059 kg</td>
<td>31,669 lb/14,319 kg</td>
<td>37,609 lb/17,059 kg</td>
<td>40,167 lb/18,261 kg</td>
<td>42,617 lb/19,297 kg</td>
<td>50,321 lb/22,804 kg</td>
<td>64,644 lb/30,187 kg</td>
</tr>
<tr>
<td>10.0 ft/3.0 m</td>
<td>24,378 lb/11,059 kg</td>
<td>31,669 lb/14,319 kg</td>
<td>37,609 lb/17,059 kg</td>
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</tr>
<tr>
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*Numbers marked with "**" are limited by hydraulic capacity*

Follows ISO 10567: Does not exceed 87% of hydraulic lifting capacity or 75% of tipping load

Heavy lift mode is activated

Machine is equipped with 700 mm (28 in) gauges

Fuel level is at 100%, other fluids are at recommended levels

Weight of all lifting accessories must be deducted from the above lifting capacities
**548 LL Over/Under Working Envelope**

- **Heavy lift mode is activated**
- Follows ISO 10567: Does not exceed 87% of hydraulic lifting capacity or 75% of tipping load
- Numbers marked with "*" are limited by hydraulic capacity

<table>
<thead>
<tr>
<th>Lift Point Height</th>
<th>1.0 m/3.0 ft</th>
<th>6.1 m/20.0 ft</th>
<th>7.6 m/25.0 ft</th>
<th>9.1 m/30.0 ft</th>
<th>10.7 m/35.0 ft</th>
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<tbody>
<tr>
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<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
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<td>8081</td>
<td>17,771</td>
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<td>-</td>
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</tr>
<tr>
<td>Side</td>
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</tr>
<tr>
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<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
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<tr>
<td>Side</td>
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<td>kg</td>
<td>lb</td>
<td>kg</td>
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<td>Side</td>
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<td>-</td>
</tr>
<tr>
<td>6.0 m/19.0 ft</td>
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<tr>
<td>Side</td>
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</tr>
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<td>Side</td>
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**548 LL Power Clam / Butt-n-Top Working Envelope**

- **Maximum Reach**

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<th>Lift Point Height</th>
<th>Over</th>
<th>Side</th>
<th>Over</th>
<th>Side</th>
<th>Over</th>
<th>Side</th>
<th>Over</th>
<th>Side</th>
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<td>lb</td>
<td>kg</td>
<td>lb</td>
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<td>lb</td>
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<td>30,570</td>
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<td>-</td>
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<td>Side</td>
<td>-</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>10.0 m/33.0 ft</td>
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<td>lb</td>
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<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
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<td>lb</td>
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<td>25,310</td>
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<tr>
<td>6.0 m/19.0 ft</td>
<td>kg</td>
<td>lb</td>
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<td>lb</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>Front</td>
<td>5190</td>
<td>11,440</td>
<td>7290</td>
<td>16,310</td>
<td>9,810</td>
<td>21,500</td>
<td>15,270</td>
<td>30,250</td>
</tr>
<tr>
<td>Over</td>
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</tbody>
</table>

**548 LL Power Clam / Butt-n-Top Lift Capacities**

<table>
<thead>
<tr>
<th>Lift Point Height</th>
<th>1.0 m/3.0 ft</th>
<th>6.1 m/20.0 ft</th>
<th>7.6 m/25.0 ft</th>
<th>9.1 m/30.0 ft</th>
<th>10.7 m/35.0 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2 m/40.0 ft</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
</tr>
<tr>
<td>Front</td>
<td>3509</td>
<td>7,733</td>
<td>5219</td>
<td>11,510</td>
<td>6,900</td>
</tr>
<tr>
<td>Over</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>Side</td>
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<td>-</td>
</tr>
<tr>
<td>10.0 m/33.0 ft</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
</tr>
<tr>
<td>Front</td>
<td>3080</td>
<td>6,810</td>
<td>4470</td>
<td>9,810</td>
<td>3,610</td>
</tr>
<tr>
<td>Over</td>
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<tr>
<td>Side</td>
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<td>-</td>
</tr>
<tr>
<td>8.0 m/26.0 ft</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
</tr>
<tr>
<td>Front</td>
<td>2756</td>
<td>6,060</td>
<td>3930</td>
<td>8,660</td>
<td>2,560</td>
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<td>6.0 m/19.0 ft</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
</tr>
<tr>
<td>Front</td>
<td>2452</td>
<td>5,400</td>
<td>3460</td>
<td>7,600</td>
<td>1,810</td>
</tr>
<tr>
<td>Over</td>
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<td>Side</td>
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</tr>
</tbody>
</table>

Numbers marked with "*" are limited by hydraulic capacity

Follows ISO 10567: Does not exceed 87% of hydraulic lifting capacity or 75% of tipping load

Heavy lift mode is activated

Machine is equipped with 700 mm (28 in) grousers

Fuel level is at 100%, other fluids are at recommended levels

Weight of all lifting accessories must be deducted from the above lifting capacities

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**548 LL Log Loader**

- **Maximum Reach**

<table>
<thead>
<tr>
<th>Lift Point Height</th>
<th>Over</th>
<th>Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2 m/40.0 ft</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>Front</td>
<td>5496</td>
<td>12,131</td>
</tr>
<tr>
<td>Over</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Side</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>10.0 m/33.0 ft</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>Front</td>
<td>5153</td>
<td>11,463</td>
</tr>
<tr>
<td>Over</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Side</td>
<td>-</td>
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</tr>
<tr>
<td>8.0 m/26.0 ft</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>Front</td>
<td>4867</td>
<td>10,740</td>
</tr>
<tr>
<td>Over</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Side</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6.0 m/19.0 ft</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>Front</td>
<td>4591</td>
<td>10,140</td>
</tr>
<tr>
<td>Over</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Side</td>
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</tr>
<tr>
<td>4.0 m/13.0 ft</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>Front</td>
<td>4294</td>
<td>9,416</td>
</tr>
<tr>
<td>Over</td>
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</tbody>
</table>

**548 LL Log Loader**

- **Power Clam / Butt-n-Top**

<table>
<thead>
<tr>
<th>Lift Point Height</th>
<th>Over</th>
<th>Side</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2 m/40.0 ft</td>
<td>kg</td>
<td>lb</td>
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<tr>
<td>Front</td>
<td>5496</td>
<td>12,131</td>
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<td>Over</td>
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<td>Side</td>
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<tr>
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<td>Front</td>
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</table>

Numbers marked with "*" are limited by hydraulic capacity

Follows ISO 10567: Does not exceed 87% of hydraulic lifting capacity or 75% of tipping load

Heavy lift mode is activated

Machine is equipped with 700 mm (28 in) grousers

Fuel level is at 100%, other fluids are at recommended levels

Weight of all lifting accessories must be deducted from the above lifting capacities
Standard equipment may vary. Consult your Cat dealer for details.

**POWERTRAIN**
Cat C1.1 ACERT™ engine certified to EPA Tier 4 Final, EU Stage IV emissions
Clean emissions module (DDC, DPF, SCR, AMOX, DEF tank, and DEF rinses)
Water separator in fuel line
Primary and secondary fuel filters
Easy clean cooling system
Side-by-side cores with full screens
Air cleaner
Reversing fan
High ambient capability, 48 degrees C (118 degrees F)
Cold weather starting with two additional batteries, HD starter, and ether aid

**UNDERCARRIAGE**
High-wide undercarriage
Heavy-duty track frame
Straddle mounted carrier rollers
Heavy-duty track rollers (9 per side)
Heavy-duty recoil mechanisms
Straddle mounted carrier rollers
Heavy-duty track rollers (9 per side)

**HYDRAULICS**
Main hydraulic pumps
Capability to add auxiliary pumps
Back-to-back control valve
Regeneration circuits for boom and stick
Boom and stick drift reduction valves
High performance hydraulic return filter
High torque swing drive
Swing cushion valve
Automatic swing parking brake
Fully pressurized hydraulic system
Fire swing control
Two speed auto-shift travel motors

**ELECTRICAL**
115 ampere alternator
24-volt electric starting
Circuit breakers
4 front working lights
1 left side working light, cab mounted
2 riser mounted lights
1 rear working light, cab mounted
2 right front working lights
LED lights
Horn and travel alarm
Pre start monitoring system
Tool control software
Automatic engine speed control
One touch low idle
Three power modes (HP, STD, and ECO)
Secondary engine shut off switch
Wait to disconnect lamp

**OPERATOR ENVIRONMENT**
Purpose built forestry cab
Scratch resistant polycarbonate windows
FOPS/ROPS/GPS/OSHA-WCB certified
Seat with air suspension, integrated joystick, heated and cooled functionality, retractable seatbelt, and head rest
Display monitor for operator information
Full time clock on monitor
Retractable sun shade
Interior lighting
Windshield wiper and washer
Filtred ventilation, pressurized cab
Forced air fan
Behind seat storage tray
CB radio mounts
Fire extinguisher mount
Secondary roof exit
Literature holder
Cap holder and two coat hooks
Neutral lever (Lockout) for all controls
Travel control pedals
Noise dampening, washable floor mat
Radio/CD player

**FLUIDS**
90% concentration of extended life coolant with protection to –34 degrees C (–30 degrees F)

**MACHanical ATTACHMENTS**
Linkages
Reach (road builder) linkage - 548 (GF)
Reach with rotate linkage - 548 (GF)
Processor linkage - 548 (GF)
Linkage omission with main boom cylinders - 548 (GF)
Linkage omission without main boom cylinders - 548 (GF)
Under/under log loader linkage - 548 LL
Over/under log loader linkage - 548 LL
Power Clamp / Butt-n-Tip Linkage - 548 LL

**LOWER FRAMES**
Lower frame with standard hydraulics
Lower frame with ground saw hydraulics

**Tracks**
700 mm (28 in) heavy duty track, SS w/trap holes
700 mm (28 in) heavy duty track, DS w/trap holes
650 mm (26 in) heavy duty track, TG w/kit holes
400 mm (16 in) heavy duty tri-track, TG w/kit holes

**Cabs**
Side entry standard cab
Side entry processor cab
Rear entry cab with 1.219 m (48 in) cab-forward riser
Rear entry cab with 1.829 m (72 in) cab-forward riser

**Risers (side entry cab only)**
0.457 m (18 in) riser for side entry cab
1.219 m (48 in) riser for side entry cab

**Pedals (side entry cab only)**
Standard pedals for 0.457 m (18 in) riser
Standard pedals with straight travel pedal for 0.457 m (18 in) riser
Standard pedals for 1.219 m (48 in) riser
Standard pedals with straight travel pedal for 1.219 m (48 in) riser

**Fluids**
Antifreeze, –50 degrees C (–58 degrees F)