

568

Forest Machine



Engine

Engine Model	Cat® C9.3 (ATAAC)	
Gross Power	238 kW	319 hp
Rated Power	221 kW	296 hp
Rated Speed	1,800 rpm	

Drive

Maximum Travel Speed	4.8 km/h	3 mph
Maximum Drawbar Pull	317 kN	71,264 lbf

Weight*

General Forestry	43 184 kg	95,204 lb
Log Loader (U/U)	48 139 kg	106,128 lb
Log Loader (U/O)	48 298 kg	106,479 lb

*Operating weight with front linkage, without bucket or grapple.

Introduction

Cat® forest machines are versatile, purpose-built machines that can be customized to perform many forestry applications.

Since its introduction in the 1990s, the 300 Series family of forest machines has become the industry standard in many logging industry applications. The all-new 500 Series will continue that trendsetting standard.

The first model in the new family, the 568, meets today's U.S. EPA Tier 4 Interim emissions standards. The 568 features increased horsepower, more efficient hydraulics, longer track frames for more stability, and ground-level accessibility for maintenance.

It is available in a general forestry configuration for road building, site prep and processing; and in a loader version for log loading, shoveling, butt-n-top loading and millyard applications.

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Hydraulics

Power to move more trees, dirt, and most forest debris with speed and precision

Hydraulic Horsepower

Hydraulic horsepower is the actual machine power available to do work through implements and work tools. It's much more than just the engine power under the hood – it's a core strength that differentiates Cat® machines from other brands. In fact, hydraulic horsepower for the 568 increased from the previous series' output due to pump and other system improvements. This translates into moving more material in less time.

Main Control Valve and Auxiliary Valves

The 568 uses a high-pressure system to tackle the toughest of work in short order. A new one-piece, cast-block, back-to-back main control valve features resized and reshaped oil passages to improve efficiency and serviceability; stackable auxiliary valve attachments mount on top of the main valve, which allows for auxiliary hydraulic lines and valve configurations to be simplified for greater reliability.

Return Filter

The return filter is a capsule-type design with a cartridge inside. Unlike many competitors' offerings, the Cat cartridge features a handle to help remove and change without oil spillage or contamination. A sensor attached to the filter warns the operator if it is plugging or exceeds a certain pressure level.

Swing Priority Circuit

The swing priority circuit on the 568 uses a new electric valve that's operated by the machine's improved Electronic Control Module (ECM). Compared to using a hydraulic valve, an electric valve allows for more finely tuned control, which is critical during material loading.

Electric Boom Regeneration Valve

A new electric boom regeneration valve minimizes pump flow when the boom lowers down, which improves fuel economy. It is optimized for any dial speed setting being used by the operator, which in turn aids controllability and enhances component durability.

Stick Regeneration Circuit

The 568 regenerates the flow of oil from the rod end of the stick cylinder to the head end of the stick cylinder during low-load, stick-in operation – an approach that saves energy and expense.



Operator Station

Comfort and convenience to keep people productive



Seats

A new seat range includes air suspension, heated standard, and heated and air cooled option. Each seat includes a reclining back, upper and lower seat slide adjustments, and height and tilt angle adjustments to meet operator needs for comfort and productivity.

Controls

The right and left joystick consoles can be adjusted to meet the operator's desired preference, making him (or her) more comfortable and productive during the course of a day.

With the touch of the button, one-touch idle reduces engine speed to help save fuel; touch it again or move the joystick and the machine returns to normal operating level.

The optional heavy lift mode increases machine system pressure to improve lift – a nice benefit in certain situations. Heavy lift mode also reduces engine speed and pump flow in order to improve controllability.

Monitor

The 568 is equipped with a new LCD (Liquid Crystal Display) monitor that's 40% bigger than the previous model's with higher resolution for better visibility. In addition to an improved keypad and added functionality, it is programmable to provide information in a choice of 42 languages to support today's diverse workforce.

A new "Engine Shutdown Setting" accessible through the monitor allows owners and operators to specify how long the machine should idle before shutting down the engine, which can save significant amounts of fuel.

MP3-Ready Radio and Power Supply

The standard radio is equipped with a new auxiliary audio port for MP3 players. Two 12-volt power supply sockets are located near key storage areas for charging.

Storage

Storage spaces are provided to the front and rear of the right-side console to hold small items.

Automatic Climate Control

An updated climate control system helps provide a comfortable working environment in the 568. Improved AC ducting provides increased airflow and operator comfort. A standard sun screen provides reduced sun glare and heat build up in cab.





1



Engine

Reduced emissions, economical and reliable performance

Cat® C9.3 ACERT™ Engine

The C9.3 ACERT engine delivers more horsepower using less fuel than the previous series engine.

Emissions Solution

The C9.3 ACERT engine is equipped to meet current Tier 4 Interim emissions standards. Driven by customer input, Cat aftertreatment regeneration solution ensures the machine works as normal with no operator intervention needed.

The machine comes with two programmable modes of operation: automatic and manual regeneration.

In automatic mode, the machine starts the regeneration process once the filtering system reaches a certain level and conditions are optimal. The system will not interrupt the work process and can regenerate during machine operation.

Manual mode enables the operator to override the automatic mode. With a touch of a button (1) inside the cab, this mode allows the operator to move the machine from sensitive work areas before initiating the regeneration process.

Bio Diesel-Ready Fuel System

The C9.3 ACERT engine is equipped with a high-pressure common rail fuel system that includes a new electric priming pump and three-layer fuel hose to allow the use of bio fuel up to B20 (bio fuel 20% mixture).

Cooling System

The high-ambient cooling system features side-by-side-mounted radiator and oil and air coolers for easy cleaning and a new Flexxaire variable pitch, auto reversing fan for enhanced energy efficiency as standard equipment.

Speed and Power Control

The new 568 features isochronous speed control to maintain a constant speed – regardless of load – to improve fuel economy. Three different power modes are offered: high power, standard power, and economy power. The operator can easily change between modes through the monitor or console switch to meet the needs for the job at hand – all to help manage and conserve fuel.



Structures and Undercarriage

Built to work in rugged forestry environments

Frame

The upper frame includes new reinforced mountings to support the Roll-Over Protective Structure (ROPS) cab; the lower frame is reinforced to increase component durability.

Undercarriage

A longer undercarriage system provides added stability in the most demanding applications.

Heavy-duty track rollers, and carrier rollers, press-fit pin master joints, and enhanced track shoe bolts improve durability and reduce the risk of machine downtime and the need and cost to replace components.

A new full length guiding guard maintains track alignment and improves performance and undercarriage life in multiple applications.

A redesigned motor housing prevents mud packing and debris buildup around seals.

Counterweights

Two counterweight options are available for General Forestry: 6.0 MT and 8.3 MT. The 8.3 MT counterweight is standard on the Log Loader configuration. Each is designed to match the height of the machine, and each comes with new integrated links that enable easy removal for maintenance.

Regardless of choice, counterweights are bolted directly to the main frame using four M36 bolts for rigidity.

Front Linkage

Made for high stress and long service life

Booms, Sticks and Heels

The 568 offers both General Forestry and Log Loader booms and sticks. Each is built with internal baffle plates for added durability, quality and reliability. Large box-section structures with thick, multi-plate fabrications, castings, and forgings are used in high-stress areas to improve durability.

Selections

There are two General Forestry, two Log Loader boom and stick, and three heel options available to match a variety of forestry applications. There is also a DB-Family Bucket Linkage available for the General Forestry configurations.

Reach. This type of boom is best used for applications where added reach above and below ground level are required. The combination of boom and stick is matched to these conditions.

Mass. This type of boom is best used for demanding applications. The Mass front provides higher digging forces due to the geometry of the boom and stick. Bucket linkage and cylinders are more durable for excellent productivity in harsh applications.

Log Loader – Under/Under (U/U). This type of boom and stick are best suited for shovel logging and loading applications. The under mounted heel cylinder provides maximum heeling force for heavy shovel logging conditions. This U/U stick can also be re-configured for use with a Butt-n-Top or Power Clam style attachment.

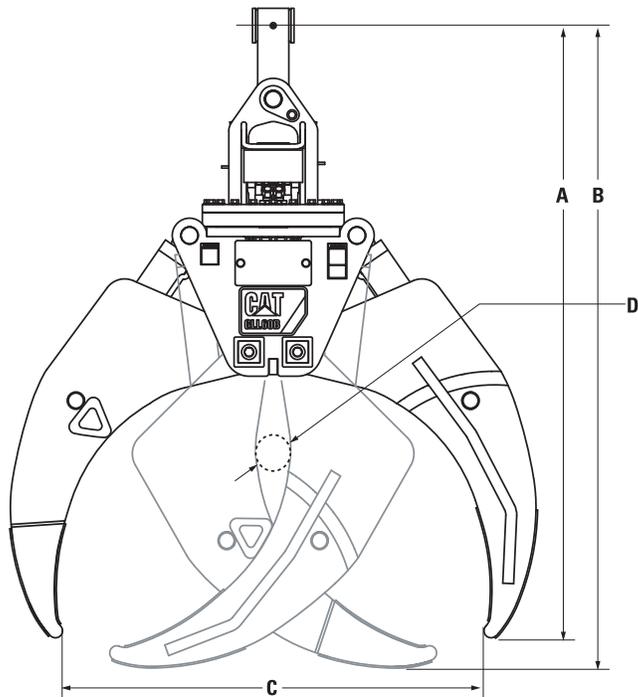
Log Loader – Over/Under (O/U). This type of boom and stick are best suited for loading and millyard applications. The over mounted heel cylinder and increased reach provide maximum clearance to load and maximize the lift height for millyard or loading conditions.

Heel. Heels are available in U/U, O/U and U/U Offset configurations to match the requirements of log loader application linkage needs.



Work Tools

Grapple, Dig, and Thumb with confidence



Work Tools

An extensive range of tools can be fit up to the 568 includes grapples, buckets and thumbs. Each is designed to optimize the versatility and performance of your machine.

Hydraulic

A thumb control group can be fit up to the General Forestry, and Butt-n-Top and Power Clam hydraulics can be installed on the Log Loader.

Several different boom and stick line groups are available as options on the 568 for running various work tool attachments.

GLL Logging Grapples

The Cat brand offers a complete line of shovel and loading grapples. These are available in 52", 55" and 60" sizes to meet a range of application requirements.

GLL Specifications/Dimensions

	GLL52B	GLL55B	GLL60B
Weight (kg/lb)	1255/2,767	1291/2,840	1344/2,965
Width (mm/in)	1725/68	1765/70	1935/76
A Height, open (mm/in)	2134/84	2184/86	2261/89
B Height, closed (mm/in)	2159/85	2210/87	2286/90
C Maximum Opening (mm/in)	1321/52	1397/55	1524/60
D Minimum Opening (mm/in)	127/5	127/5	127/5
Rotation, continuous	360°	360°	360°
Rotation torque at 1,200 psi (N·m/ft lb)	1153/850	1153/850	1153/850

Matching Guide

	GLL52B	GLL55B	GLL60B
568	○	●	●

- Provides optimum machine match.
- Provides acceptable machine match.

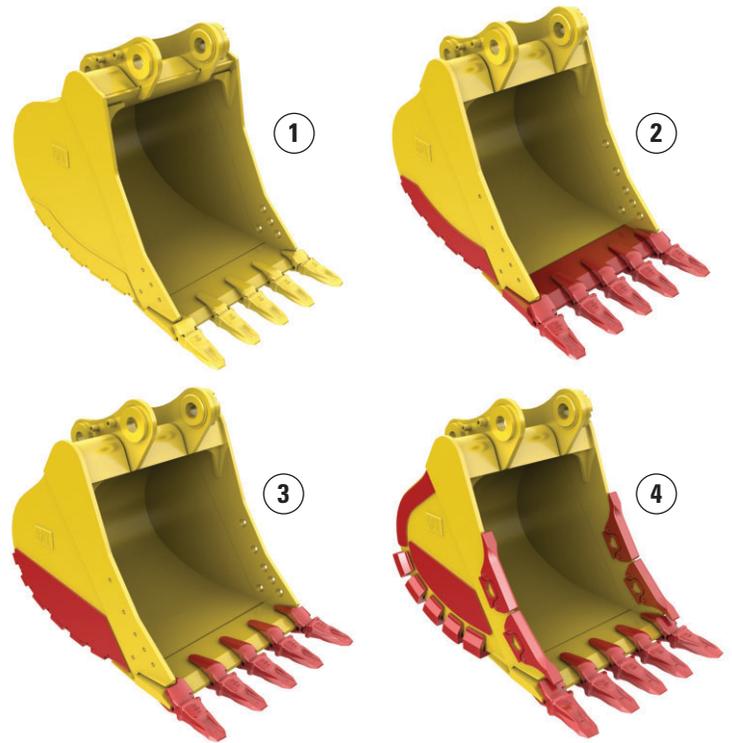
Buckets

Cat buckets are designed for better performance. The leading edge has been pushed forward, resulting in more efficient filling and better operator control for greatly improved productivity.

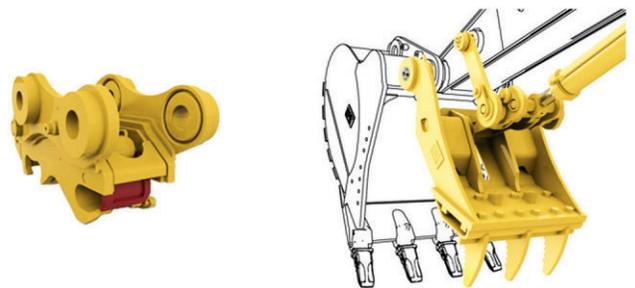
Wear coverage in the corners and side cutter and sidebar protector coverage are improved; a new lift eye design accepts a wide range of shackle sizes.

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.



1) General Duty 2) Heavy Duty 3) Severe Duty 4) Extreme Duty





Integrated Technologies

Solutions that make work easier and more efficient

Electric Boom and Stick Regeneration Valve

The 568 features unique electric boom and stick regeneration valves. The valves use gravity during typical “boom down” or “stick in” operations to regenerate flow of oil from the head end of the cylinder to the rod end of the cylinder instead of sending it all the way back to the hydraulic tank. This distinct Cat solution increases efficiency and reduces cycle times and pressure loss for higher productivity and lower fuel costs.

Main Control Valve

The 568 uses a high pressure hydraulic system as standard. It is a one-piece, cast-block, back-to-back (BTB) control valve, improving efficiency and serviceability versus the previous series machines. Auxiliary valves are stackable and mounted on top of the main valve, which simplifies, and leads to greater reliability.

Fuel consumption is reduced by re-sizing and shaping of the oil passages inside the new BTB valve.

Flexaire Auto-Reversing Fan

The cooling system’s new variable pitch reversible fan is controlled by hydraulic temperature, coolant temperature, and ATAAC charge air temperature in different ambient conditions to optimize cooling. The fan has a pitch sensor that is controlled by the Electronic Control Module (ECM).

Cat Product Link*

This deeply integrated machine monitoring system is designed to help customers improve their overall fleet management effectiveness. Events and diagnostic codes as well as hours, fuel consumption, idle time, machine location, and other detailed information are transmitted to a secure web based application called VisionLink™, which uses powerful tools to communicate to users and dealers.

**Product Link licensing is not available in all areas. Please consult your Cat dealer for availability.*

Serviceability

Fast, easy and safe access built in

Ground-Level Maintenance

The machine is designed to accommodate servicing most maintenance items from the safety and comfort of ground level.

Service Doors

Wider, taller service doors feature sturdier hinges and latches and a new slotted hole vent design to prevent debris entry; a new one-piece hood provides easier access to the engine and cooling compartments along with a new hood screen design to prevent debris entry.

Compartments

The radiator, pump, and air cleaner compartments provide easy access to major components. When an air cleaner plugs, a warning is displayed on the monitor inside the cab.

Other Service Improvements

The water separator with water level sensor has a primary fuel filter element located in the pump compartment near ground level; the electric priming pump is mounted on the primary filter base and is more reliable and easier to service than traditional hand-priming pumps.

The engine oil check gauge is situated in front of the engine compartment and is easy to remove. The engine oil filter is situated in the pump compartment for easy access. Changing engine oil is simple due to a drain cock designed to prevent spills.

The 568 has two fuel tanks as standard equipment, reducing refill intervals. Drain cocks are provided to make it easy to remove water and sediment during maintenance.



Safety

Features to help protect people



Reinforced Frame

The upper frame is reinforced to accommodate the ROPS cab.

Sound Proofing

Improved sealing and cab roof lining help lower noise levels during machine operation.

Anti-Skid Plates

The surface of the upper structure and the top of fuel tank area are covered with anti-skid plates to help prevent service personnel and operators from slipping during maintenance.

Steps, Hand and Guard Rails

Steps on the track frame and storage box along with extended hand and guard rails to the upper deck enable operators to work securely on the machine.

Operator Cab

The 568 is equipped with a new forestry cab that is certified to:

- OPS – ISO 8083 and SAE J231
- FOPS – ISO 8084 and SAE 1084
- FOGS – SAE J1356
- ROPS – ISO 3471:1997 Table 1, Section 1
- TOPS – OR-OSHA code 437-007-0775
- WCB G602/G603/G604/G608 compliant

Windshield Wipers

The 568 offers parallel type windshield wipers with both continuous and intermittent modes to fit varied precipitation levels.

Monitor Warning System

The monitor is equipped with a buzzer that can warn an operator of critical events like “Engine Oil Pressure Decrease,” “Coolant Temperature High” or “Hydraulic Oil Temperature High,” allowing for immediate action to take place.



Complete Customer Care

Service you can count on

Product Support

Cat dealers utilize a worldwide parts network to minimize machine downtime. Plus you can save money with Cat remanufactured components.

Machine Selection

Make detailed comparisons of machines you are considering. What are the job requirements and machine attachments? What production is needed? Your Cat dealer can provide recommendations.

Purchase

Consider financing options and day-to-day operating costs. Look at dealer services that can be included in the machine's cost to yield lower owning and operating costs over time.

Customer Support Agreements

Cat dealers offer a variety of customer support agreements and work with you to develop a plan to meet specific needs. These plans can cover the entire machine, including attachments, to help protect your investment.

Operation

Improving operating techniques can boost your profits. Your Cat dealer has videos, literature, and other ideas to help you increase productivity. Caterpillar also offers simulators and certified operator training to help maximize the return on your investment.

Replacement

Repair, rebuild, or replace? Your Cat dealer can help you evaluate the cost involved so you can make the right choice.



Sustainability

Generations ahead in every way

- The C9.3 ACERT engine, along with the Cat Clean Emissions Module (CEM), meets U.S. EPA Tier 4 Interim, emissions standards.
- The 568 generates more horsepower, lifts more payload, and burns less fuel than the previous series machine, which means more efficiency and productivity with less resource consumption and fewer CO₂ emissions.
- The 568 has the flexibility of running on either ultra-low-sulfur diesel (ULSD) fuel with 15 ppm of sulfur or less or bio diesel (B20) fuel blended with ULSD.
- The 568 is equipped with one-touch idle to reduce engine speed quickly and conveniently conserving fuel.
- The 568 is built to be rebuilt with major structures and components remanufactured to reduce waste and replacement costs.
- The 568 is an efficient, productive machine that's designed to conserve our natural resources for generations ahead.

Engine

Engine Model	Cat® C9.3 (ATAAC)	
Gross Power	238 kW	319 hp
Rated Power	221 kW	296 hp
Rated Speed	1,800 rpm	
Displacement	9.3 L	567.5 in ³
Maximum Torque	1426 N·m	1,051.7 lb ft
Number of Cylinders	6	
Bore	115 mm	4.53 in
Stroke	149 mm	5.87 in

Weights

Estimated Operating Weight without Attachment		
General Forestry	43 184 kg	95,204 lb
Log Loader (U/U)	48 139 kg	106,128 lb
Log Loader (O/U)	48 298 kg	106,478 lb

Operating Specifications

Maximum Speed High Range	4.8 km/h	3 mph
Maximum Drawbar Pull	317 kN	71,264 lb
Swing Torque – General Forestry	113.9 kN·m	84,024 lb ft
Swing Torque – Log Loader	148.5 kN·m	109,560 lb ft
Maximum Swing Speed – General Forestry	10 rpm	
Maximum Swing Speed – Log Loader	6.3 rpm	
Operator Height from Ground (eye level)		
General Forestry Cab 0.48 m (18 in) Riser	3.4 m	135 in
Log Loader Cab 1.2 m (48 in) Riser	4.2 m	165 in

Hydraulic System

Pilot System – Maximum Flow	26 L/min	6.87 gal/min
Pilot System – Maximum Pressure	4100 kPa	595 psi
Main Pump System – Maximum Flow (2x)	289 L/min	76.3 gal/min
Maximum Pressure – Implements	35 000 kPa	5,076 psi
Maximum Pressure – Swing (single)	28 000 kPa	4,061 psi
Maximum Pressure – Swing (dual)	31 400 kPa	4,550 psi
Auxiliary Pump – Maximum Flow – Factory Setting	51 L/min	13.5 gal/min
Maximum Flow – Capacity	108 L/min	28.5 gal/min
Maximum Pressure – Factory Setting	10 350 kPa	1,500 psi
Maximum Pressure – Capacity	25 000 kPa	3,626 psi
General Forestry – Boom Cylinder – Bore	150 mm	5.9 in
Boom Cylinder – Stroke	1440 mm	56.7 in
Stick Cylinder – Bore	170 mm	6.7 in
Stick Cylinder – Stroke	1738 mm	68.4 in
Bucket Cylinder – Bore	150 mm	5.9 in
Bucket Cylinder – Stroke	1151 mm	45.3 in

Log Loader

Boom Cylinder – Bore	170 mm	6.7 in
Boom Cylinder – Stroke	1340 mm	52.8 in
Stick Cylinder – Bore	180 mm	7.1 in
Stick Cylinder – Stroke	1661 mm	65.4 in
Bottom Heel Cylinder – Bore	150 mm	5.9 in
Bottom Heel Cylinder – Stroke	1155 mm	45.5 in
Top Heel Cylinder – Bore	160 mm	6.3 in
Top Heel Cylinder – Stroke	1465 mm	57.7 in

Drive

Maximum Travel Speed	4.8 km/h	3 mph
Maximum Drawbar Pull	317 kN	71,264 lbf

Service Refill Capacities

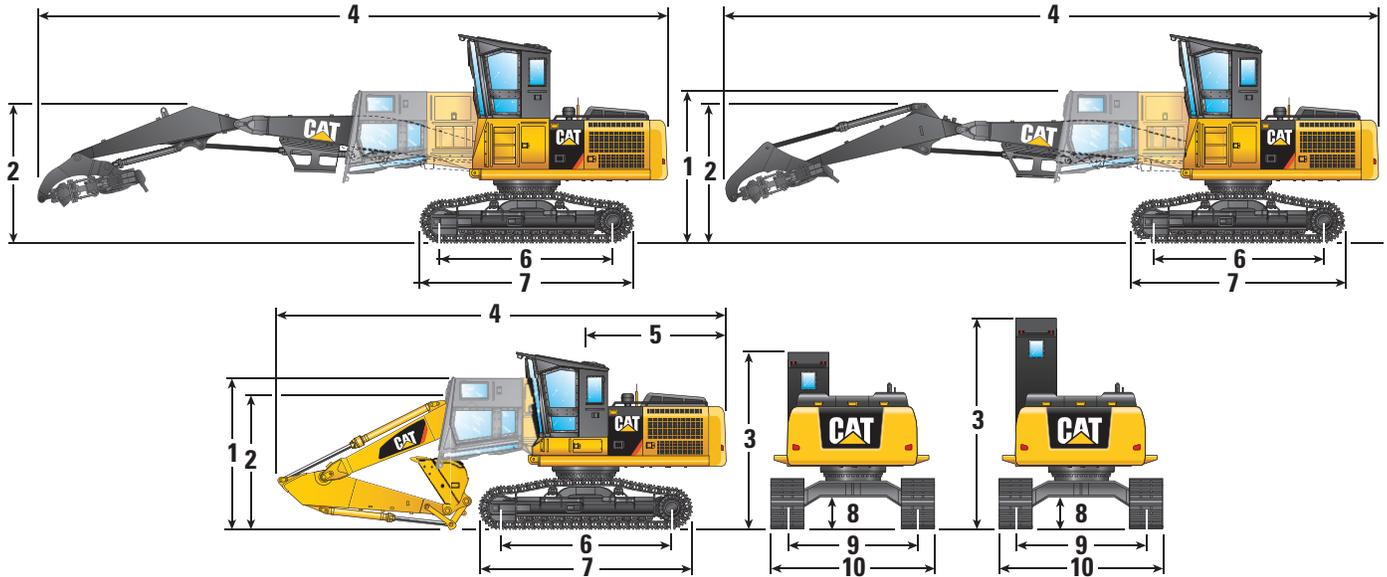
Fuel Tank Capacity – Total	1200 L	317 gal
Fuel Tank Capacity – Main	620 L	163.8 gal
Fuel Tank Capacity – RF	580 L	153.2 gal
Final Drive – Each	8 L	2.1 gal
Cooling System	56 L	14.8 gal
Engine Oil	30.5 L	8.1 gal
Hydraulic Tank	175 L	46.2 gal
Hydraulic System – Total	380 L	100.4 gal
Swing Drive (Log Loader 2x)	20 L	5.3 gal
Swing Drive (General Forestry)	19 L	5 gal

568 Forest Machine Specifications

Track		Undercarriage		Standards	
Number of Shoes (each side)	52	Undercarriage Size	345HD	Brakes	ISO 10265:1998 ISO 11512:1995
Number of Track Rollers (each side)	10	Undercarriage Pitch	215.9 mm 8.5 in	ROPS/FOPS/ OPS/TOPS	ISO 8083:1989 LEVEL I ISO 8083:1989 LEVEL II SAE J/1084 FEB 1978, ISO 8084:1993 SAE J/1356 FEB 1988, WCB G602, G603, G604, G608 ISO 3471:1997 (TABLE 1, SECTION 1) OR-OSHA 437-007-0775(14)
Number of Carrier Rollers (each side)	2	Track Gauge	2920 mm 115 in		
		Track Length	5390 mm 212 in		
		Ground Clearance	760 mm 30 in		

Dimensions

All dimensions are approximate.



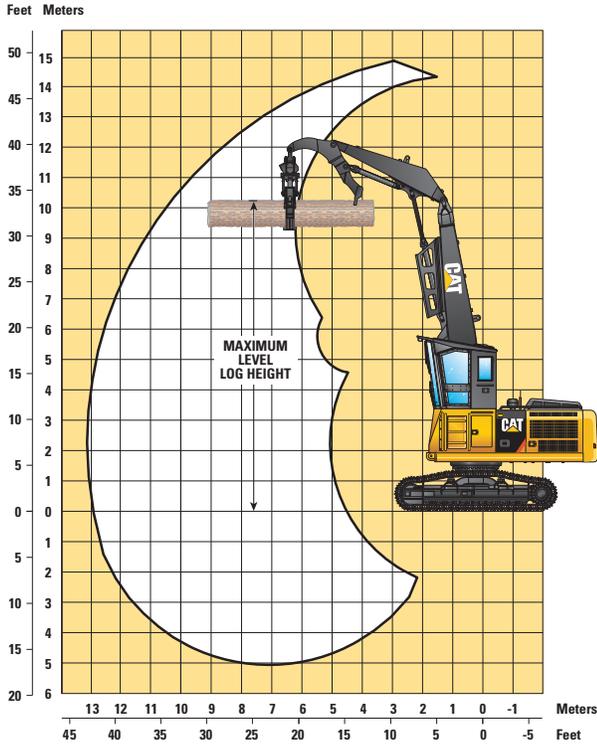
1 Height – General Forestry – Cab tilted	3520 mm	138.6 in
Height – Log Loader – Cab tilted	3520 mm	138.6 in
2 Boom Height – General Forestry – Shipping	3520 mm	138.6 in
Boom Height – Log Loader – Shipping	4954 mm	195 in
3 Height – General Forestry (overall)	4190 mm	165 in
Height – Log Loader (overall)	4954 mm	195 in
4 Shipping Length – General Forestry (Mass)	10 780 mm	424.4 in
Shipping Length – General Forestry (Reach)	11 120 mm	437.8 in
Shipping Length Log Loader (U/U)	16 610 mm	653.9 in
Shipping Length Log Loader (O/U)	17 082 mm	672.5 in
5 Tail Swing Radius	3460 mm	136.2 in
6 Track Length – Idler to Sprocket	4356 mm	171.5 in
7 Track Length – Total	5390 mm	212.2 in
8 Ground Clearance	760 mm	30 in
9 Track Gauge	2920 mm	115 in
10 Overall Width with 700 mm (27.5 in) Shoes	3650 mm	143.7 in

568 Forest Machine Specifications

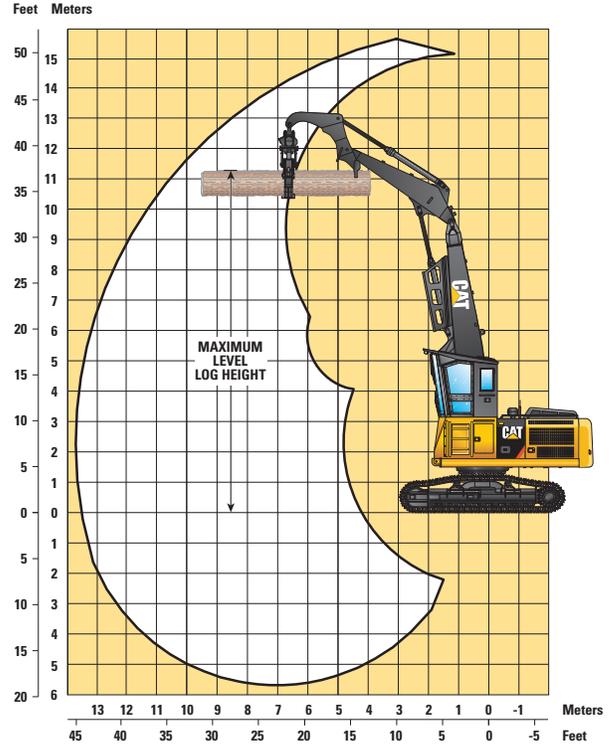
Working Ranges

Heel Boom, Under/Under and Over/Under Ranges

Heel Boom (Under/Under)



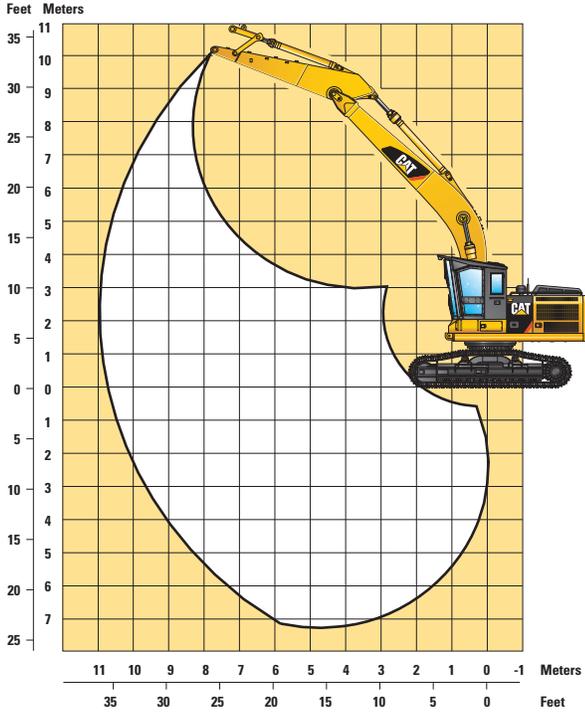
Heel Boom (Over/Under)



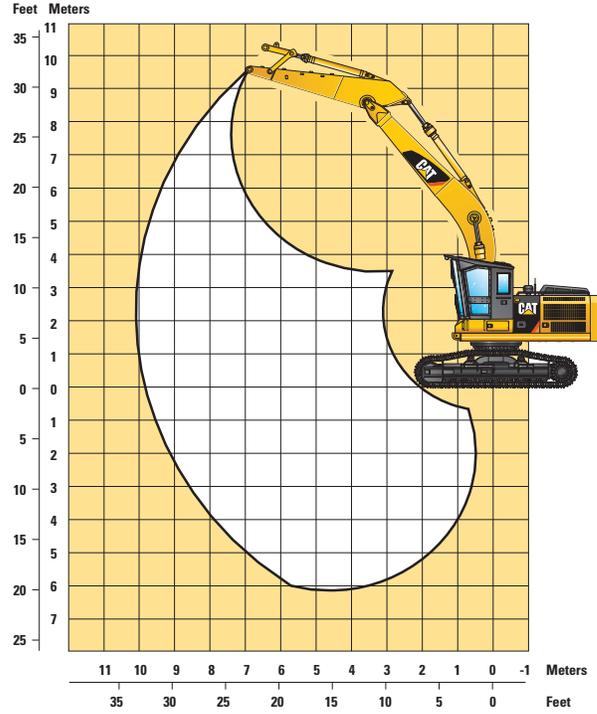
Working Ranges

Reach Boom and Mass Boom Ranges

568 FM GF 3.9M Reach Boom



568 FM GF 3.5M Mass Boom



568 Forest Machine Specifications

568 FM LL Boom U/U Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Configuration – 13.1 m (43 ft) Boom/Stick/Heel Linkage

Heavy Counterweight

Shoes – 700 mm (28 in) Double Grouser

	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				m ft	
																		
12.0 m 40.0 ft	kg lb						*11 012 *24,277	10 569 *22,171										
10.5 m 35.0 ft	kg lb						*12 224 *26,949	10 859 23,266	*10 253 *20,555	7898 16,841					*6941 *15,502	6144 13,859	10.19 32.98	
9.0 m 30.0 ft	kg lb						*12 060 *26,588	10 910 23,429	*10 948 *23,939	8004 17,155	*8837 *16,737	6031 12,835			*6338 *14,073	5204 11,629	11.25 36.61	
7.5 m 25.0 ft	kg lb						*12 272 *27,055	10 795 23,215	*11 001 *23,983	7958 17,091	8995 19,292	6071 13,001			*5976 *13,224	4630 10,289	12.02 39.29	
6.0 m 20.0 ft	kg lb					*12 905 *27,715	*12 905 *27,715	*12 789 *27,808	10 535 22,676	*11 242 *24,453	7808 16,788	8924 19,170	6005 12,887	7091 *14,650	4700 10,029	*5768 *12,737	4270 9455	12.58 41.17
4.5 m 15.0 ft	kg lb			*11 580 *23,563	*11 580 *23,563	*15 175 *32,383	14 490 *23,563	*13 495 *29,291	10 151 21,864	11 286 24,277	7581 16,314	8789 18,897	5879 12,633	7049 15,133	4661 9986	5545 12,248	4054 8956	12.93 42.38
3.0 m 10.0 ft	kg lb					*17 581 *38,085	13 661 29,428	*14 182 *30,751	9694 20,888	10 993 23,656	7312 15,744	8622 18,549	5724 12,308	6971 14,985	4587 9847	5413 11,940	3949 8711	13.10 42.99
1.5 m 5.0 ft	kg lb					*18 498 *40,079	12 847 27,688	14 183 30,518	9240 19,914	10 700 23,032	7044 15,170	8453 18,193	5566 11,976	6888 14,823	4509 9694	*3961 11,915	*3961 8687	12.55 42.98
Ground Line	kg lb			*8563 *20,438	*8563 *20,438	*18 394 *39,862	12 223 *20,438	13 767 29,623	8868 19,110	10 452 22,503	6817 14,685	8310 17,896	5434 11,699	6827 14,709	4451 9587	*4920 *10,846	4030 8884	12.92 42.39
-1.5 m -5.0 ft	kg lb			*8599 *19,994	*8599 *19,994	*17 052 *36,924	11 853 *19,994	*13 403 *28,960	8621 18,578	10 284 22,147	6662 14,358	8222 17,716	5351 11,532	*5514 *10,729	4444 9611	*3961 *8742	*3961 *8742	12.55 41.14
-3.0 m -10.0 ft	kg lb	*5304 *12,077	*5304 *12,077	*10 334 *23,801	*10 334 *23,801	*14 453 *31,178	11 713 *23,801	*11 483 *24,673	8512 18,350	*8968 *19,108	6600 14,232	*6476 *13,401	5342 11,532		*4385 *9713	*4385 *9713	11.61 37.97	
-4.5 m -15.0 ft	kg lb					*10 576 *22,546	*10 576 *22,546	*8447 *17,852	*8447 *17,852	*6187 *12,865	*6187 *12,865				*5523 *12,421	*5523 *12,421	9.65 31.20	

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of work tool attachment and/or load lifting accessories must be deducted from the above lifting capacities.

568 FM LL Boom O/U Lift Capacities

Configuration – 13.6 m (45 ft) Boom/Stick/Heel Linkage

Heavy Counterweight

Shoes – 700 mm (28 in) Double Grouser

	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft				m ft	
																		
12.0 m 40.0 ft	kg lb					*9805 *21,617												
10.5 m 35.0 ft	kg lb							*10 761 *21,530	*10 382 *21,530							*6121 *13,654	5501 12,377	10.94 35.48
9.0 m 30.0 ft	kg lb					*14 323 *30,492	*14 323 *31,577	*12 627 *26,922	10 377 22,290	*9784 *19,151	7572 16,221					*5631 *12,498	4730 10,559	11.93 38.88
7.5 m 25.0 ft	kg lb					*14 432 *31,817		*12 696 *27,664	10 185 21,911	11 197 24,056	7488 16,085	*7195 *15,862	5713 12,595	6671 *12,317	4938 10,662	*5326 *11,785	4242 9424	12.67 41.40
6.0 m 20.0 ft	kg lb					*15 428 *33,483	14 191 31,286	*13 067 *28,397	9853 21,218	10 987 23,628	7295 15,692	8508 18,282	5608 12,037	6652 14,259	4730 10,120	*5144 *11,361	3928 8697	13.19 43.20
4.5 m 15.0 ft	kg lb	*23 669 *47,672	*23 669 *47,672	*21 458 *46,355	*21 458 *46,355	*16 587 *35,932	13 434 *46,355	*13 589 *29,479	9424 20,306	10 709 23,044	7041 15,155	8355 17,971	5465 11,748	6566 14,097	4651 9971	*5056 *11,153	3735 8251	13.53 44.35
3.0 m 10.0 ft	kg lb			*23 932 *51,735	19 818 42,692	*17 659 *38,240	12 606 42,692	13 890 29,887	8962 19,314	10 409 22,405	6765 14,569	8183 17,611	5305 11,412	6450 13,864	4545 9984	5222 11,519	3638 8025	13.69 44.92
1.5 m 5.0 ft	kg lb			*17 108 *41,726	*17 108 *39,711	*18 037 *39,081	11 892 39,711	13 426 28,889	8547 18,418	10 135 21,817	6514 14,029	8024 17,278	5157 11,102	6333 13,622	6333 9684	5208 11,482	3624 7989	13.69 44.92
Ground Line	kg lb	*3531 *8127	*3531 *8127	*11 487 *26,760	*11 487 *26,760	*17 266 *37,427	11 420 *26,760	13 085 28,151	8242 17,756	9926 21,371	6322 13,619	7910 17,043	5051 10,883	6235 13,427	6235 9725	*4649 *10,250	3694 8145	13.52 44.36
-1.5 m -5.0 ft	kg lb	*5648 *12,794	*5648 *12,794	*11 643 *26,727	*11 643 *26,727	*15 213 *32,939	11 194 *26,727	*11 995 *25,876	8072 17,390	*9371 *20,075	6216 13,397	*6807 *14,192	5013 10,820	6185 13,340	4300 9273	*3723 *8173	*3723 *8173	13.18 43.21
-3.0 m -10.0 ft	kg lb			*13 271 *30,328	*13 271 *30,328	*11 897 *25,610	11 168 *30,328	*9486 *20,279	8039 17,327	*7085 *14,877	6214 13,408			*4249 *8675	*4249 *8675	*3915 *8665	*3915 *8665	12.37 40.47
-4.5 m -15.0 ft	kg lb														*4692 *10,344	*4635 *10,344	10.73 35.21	

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of work tool attachment and/or load lifting accessories must be deducted from the above lifting capacities.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

568 FM LL Boom BNT Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Configuration – 13.1 m (40') Boom/Stick

Heavy Counterweight

Shoes – 700 mm (28 in) Double Grouser

Load Point Height	Unit	3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		m ft		
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side			
10.5 m 35.0 ft	kg lb					*14 650 *32,250	*14 650 *32,250	*13 100 *28,800	11 750 25,100	*9050 19,952	8500 18,739			*8950 *20,000	8500 19,200	9.01 29.04		
9.0 m 30.0 ft	kg lb					*31,650	*31,650	*28,150	25,400	24,700	18,850				*8050 *17,900	7050 15,700	10.19 33.10	
7.5 m 25.0 ft	kg lb					*14 100 *31,200	*14 100 *31,200	*13 100 *28,450	11 750 25,250	11 500 24,750	8800 18,900		8950 19,150	6850 14,600	*7550 *16,650	6200 13,750	11.03 36.01	
6.0 m 20.0 ft	kg lb					*14 650 *32,400	*14 650 *32,400	*13 550 *29,400	11 500 24,750	11 400 24,500	8700 18,700		8950 19,200	6800 14,600	*7250 *15,950	5700 12,600	11.63 38.04	
4.5 m 15.0 ft	kg lb					*17 150 *37,150	15 600 33,600	*14 150 *30,650	11 150 24,000	11 200 24,050	8500 18,250		8850 19,000	6700 14,450	*7150 *15,763	5400 11,905	12.00 39.33	
3.0 m 10.0 ft	kg lb					*18 300 *39,550	14 850 31,950	14 350 30,850	12 750 23,150	10 950 23,550	8250 17,800		8700 18,750	6600 14,150	7150 15,763	5400 11,905	12.18 39.95	
1.5 m 5.0 ft	kg lb					*18 650 *40,450	14 150 30,450	13 900 29,950	10 350 22,300	10 700 23,050	8050 17,300		8600 18,450	6450 13,900	7100 15,653	5350 11,795	12.17 39.93	
Ground Line	kg lb					*17 950 *38,850	13 650 29,400	13 600 29,300	10 050 22,650	10 500 22,650	7850 16,900		8500 18,250	6400 13,750		*5450 *12,000	5400 11,800	11.97 39.28
-1.5 m -5.0 ft	kg lb			*7200 *16,800	*7200 *16,800	*15 900 *34,500	13 400 28,900	*12 700 *27,400	9900 21,300	10 050 *21,550	7750 16,700		*7500 *15,700	6350 13,650		*4750 *10,500	*4750 *10,500	11.49 37.66
-3.0 m -10.0 ft	kg lb			*10 200 *23,550	*10 200 *23,550	*12 700 *27,350	*12 700 *27,350	*10 250 *21,950	9850 21,200	*7850 *16,500	7750 *16,500					*5450 *12,050	*5450 *12,050	10.23 33.38

*Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of work tool attachment and/or load lifting accessories must be deducted from the above lifting capacities.

568 FM Mass Linkage 3.5M Stick (Heavy Lift On)

Configuration – 3.5M Mass Boom and Mass Stick

Heavy Counterweight

Shoes – 700 mm (28 in) Double Grouser

Load Point Height	Unit	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		m ft		
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side			
9.0 m 30.0 ft	kg lb									*5554 *12,218	*5978 *12,218					*5578 *12,272	*5579 *12,272	7.33 24.05
7.5 m 25.0 ft	kg lb									*7917 *17,418	*7917 *17,418					*5187 *11,412	*5187 *11,412	8.52 27.96
6.0 m 20.0 ft	kg lb									*8209 *18,060	*8209 *18,060	*6920 *15,224	*6920 *15,224	*4614		*5036 *11,079	*5036 *11,079	9.32 30.57
4.5 m 15.0 ft	kg lb							*9797 *21,553	*9797	*8921 *19,627	*8921 *19,627	*8413 *18,509	*8413 *18,509	*6003		*5044 *11,085	*5044 *11,085	9.81 32.19
3.0 m 10.0 ft	kg lb					*14 763 *32,479	*14 763 *32,479	*11 524 *25,353	*11 524 *32,479	*9854 *21,679	*9854 *21,679	*8877 *19,530	8259 18,169	*7053		*5173 *11,381	*5173 *11,381	10.05 32.97
1.5 m 5.0 ft	kg lb			*10 839 *23,845	*10 839 *23,845	*17 827 *39,218	*17 827 *39,218	*13 172 *28,979	*13 172 *39,218	*10 781 *23,718	10 345 22,760	*9359 *20,589	8088 17,793	*7597		*5451 *11,993	*5451 *11,993	10.05 32.97
Ground Line	kg lb	*16,626	*16,626	*12 346 *27,162	*12 346 *27,162	*19 537 *42,982	*19 537 *42,982	*14 326 *31,518	13 605 *42,982	*11 471 *25,236	10 090 22,198	*9677 *21,289	7949 17,489	*7243		*5920 *13,024	*5920 *13,024	9.81 32.20
-1.5 m -5.0 ft	kg lb	*11 073 *24,361	*11 073 *24,361	*16 643 *36,614	*16 643 *36,614	*19 868 *43,710	*19 868 *43,710	*14 758 *32,468	13 365 *43,710	*11 714 *25,771	9937 21,862	*9586 *21,088	7884 17,345		*6693 *14,725	*6693 *14,725	9.32 30.58	
-3.0 m -10.0 ft	kg lb	*16 129 *35,484	*16 129 *35,484	*22 759 *50,069	*22 759 *50,069	*18 978 *41,751	*18 978 *41,751	*14 316 *31,496	13 312 *41,751	*11 243 *24,734	9915 21,814				*8056 *17,724	*8056 *17,724	8.53 27.99	
-4.5 m -15.0 ft	kg lb	*22 355	*22 355	*23 115	*23 115	*16 675	*16 675	*12 627	*12 627	*9427	*9501				*9412 *20,707	*9412 *20,707	7.34 24.08	

*Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of work tool attachment and/or load lifting accessories must be deducted from the above lifting capacities.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

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

POWER TRAIN

Cat® C9.3 ATAAC engine
 Meets U.S. EPA Tier 4 Interim emissions standards
 Bio Diesel capable
 2300 m (7,500 ft) altitude capability
 Electric priming fuel pump
 2×4 micron main filters and 1×10 micron primary filter in fuel line
 24-volt electric starting
 Air intake heater
 Automatic engine speed control with one touch low idle
 Water separator in fuel line
 Two speed auto-shift travel
 Easy clean cooling system with full screens
 Muffler
 Flexxair auto reversing fan
 High ambient cooling capacity, 48° C (118° F)
 Side by side cores
 Starting aid cold weather starting package with two additional batteries, HD starter, ether and block heater

HYDRAULIC SYSTEM

Regeneration circuit for boom and stick
 Reverse swing dampening valve
 Automatic swing parking brake
 High performance hydraulic return filter
 Capability of installing HP stackable valve and medium and QC valve
 Standard auxiliary pump adjustable to 108 L/min (28.5 gal/min)
 Capability of installing boom lowering control device and stick lowering check valve
 Capability of installing Cat Bio hydraulic oil

UNDERCARRIAGE

Straddle mounted carrier rollers
 Heavy duty track motor guard
 Heavy duty track rollers (10 per side)
 Heavy duty recoil mechanism
 345 HD, GLT4 Track
 Idler track guiding guards
 Full length track shoe support
 GFT80 high drawbar FD
 Towing eye on base frame

ELECTRICAL

80 ampere alternator
 4 front working lights cab top mounted
 1 left side working light

2 right front working lights
 2 riser mounted lights
 1 rear working light
 Horn
 Pre-start monitoring system (engine oil, coolant hydraulic oil)

OPERATOR ENVIRONMENT

Purpose built forestry cab with scratch resistant polycarbonate windows, ISO 8084 and SAE 1084 certified OPS, ISO 8083 and SAE J231 certified FOPS, and SAE J1356 certified FOGS, OR-OSHA code 437-0775 TOPS and WCB G602/G603/G604/G608
 ROPS: ISO 3471:1997 Table 1, Section 1
 Seat KAP 527P, air suspension, heated seat, retractable seatbelt and headrest
 Integrated seat, console and joystick type controls
 Language display monitor with gauges, Warning information, filter/fluid change information, machine condition, error code and tool mode setting information, start up level check for hydraulic oil and engine coolant
 Full time clock on monitor (2 weeks)
 Seat mounted joystick with extra functions for grapple
 Fixed polycarbonate skylight with retractable sun shade, meeting SAE J1084
 Interior lighting
 Lower and upper windshield wipers and washer
 Positive filtered ventilation, pressurized cab with bi-level air conditioner, heater and defroster with manual control
 Forced air fan
 Behind seat storage tray with tie down points
 2 CB radio mounts
 1 fire extinguisher mount
 1 attachment computer control mount
 Secondary roof exit openable from inside and outside
 2 coat hooks
 Ashtray with lighter
 Literature holder
 Cup holder
 Neutral lever (lockout) for all controls
 Travel control pedals with removable hand levers
 Washable floor mat
 Radio/CD player (12V)
 1 converter/2 sockets – 12V-10A power supply

FLUIDS

Antifreeze
 Includes 50% concentration with protection of -34° C (-30° F)

OTHER STANDARD EQUIPMENT

Heavy duty upper frame with catwalks
 Heavy duty bottom guard
 Heavy duty side doors
 Core hydraulic lines and controls with standard main valves on upper structures
 Door and cover locks with Cat one key security system
 Automatic swing parking brake
 Fully pressurized hydraulic system
 Fine swing control travel alarm
 Counterweight with lifting eye
 Right front corner guard
 Right front corner fuel tank and standard fuel tank
 321SR Product Link

568 Mandatory Attachments

Mandatory Attachments may vary. Consult your Cat dealer for details.

BOOMS, STICKS AND LINKAGES

Front Linkage

(must select one of the following)

Omission, front linkage

Linkage, Reach – GF, 3.9 m (12.8 ft)

Linkage, Mass – GF, 3.5 m (11.5 ft)

Linkage, LL, top cylinder

Linkage, LL, bottom cylinder

Butt-N-Top combo

UNDERCARRIAGE

(must select one of the following)

Track, 700 mm (28 in) DG with trap holes

Track, 850 mm (34 in) HD TG with trap holes

HYDRAULICS

Main Control Valve

(must select one of the following)

Valve, no attachment section

Valve, with attachment section

Valve, log loader

OPERATOR ENVIRONMENT

(must select one of the following)

Cab, GF, 457 mm (18 in) riser

Cab, LL, 1219 mm (48 in) riser

Cab, AEM platform

SEAT

(must select one of the following)

Seat, air suspension with heat

Seat, air suspension with heat and cooling

OTHER ATTACHMENTS

Counterweights

(must select one of the following)

Counterweight, standard

Counterweight, heavy

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

BOOMS, STICKS AND LINKAGES

Front Linkage

- Cylinders, boom + pin (not installed)
- Linkage, bucket, DB family

Grapples

- Grapple, GLL52B log loading
- Grapple, GLL55B log loading
- Grapple, GLL60B log loading

Heels

- Heel, GLL, with bottom mounted cylinder
- Heel, GLL, with top mounted cylinder
- Heel, GLL with offset for bottom mounted cylinder

HYDRAULICS

- Thumb control

LINE GROUPS

Boom Lines

- Lines – HP, Reach boom, GF, 3.9 m (12.8 ft)

- Lines – MP, Reach boom, GF, 3.9 m (12.8 ft)

- Lines – HP, Mass boom, GF, 3.5 m (11.5 ft)

- Lines – MP, Mass boom, GF, 3.5 m (11.5 ft)

Stick Lines

- Lines – HP, GF, 3.5 m (11.5 ft) stick

- Lines – MP, GF, 3.5 m (11.5 ft) stick

- Lines – HP, GF, 3.9 m (12.8 ft) stick

- Lines – MP, GF, 3.9 m (12.8 ft) stick

OTHER ATTACHMENTS

- Straight travel pedal
- Auxiliary drive
- International – ISO films

FLUIDS

Antifreeze

- Antifreeze, –50° C (–58° F)

FIELD INSTALLED ATTACHMENTS

- Kit, AEM cab installation
- Kit, Butt-N-Top installation

PACKING

Domestic

- Pack, domestic truck, drive out
- Pack, domestic truck HEX
- Pack, domestic truck – boom and stick removed
- Pack, domestic rail

Miscellaneous

- Pack, miscellaneous HEX shipments

Order Change Charges

- Order change charges (track)

568 Forest Machine

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

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

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