



Cat[®] 568

GF/LL Forest Machines

Move big timber with unmatched production, comfort, and safety.

Superior Performance

- The Cat[®] C9.3B engine is 9 percent more powerful* and can run on biodiesel up to B20.
- Smart mode helps reduce fuel consumption up to 5 percent by automatically matching engine and hydraulic power to working conditions.
- Pick and place logs with precision with the all-new electrohydraulic control system and on-demand Heavy Lift mode.
- Dual swing drives help move heavy logs with 10 percent more swing torque.
- 14 percent more travel power helps you cover ground faster than ever.
- Auxiliary hydraulic options let you use Cat grapples and a variety of other attachments.
- Work in extreme environments with standard high-ambient capability of 52° C (126° F) and cold start capability of -32° C (-25° F).

Unmatched Operator Comfort

- Get in and out of the machine easier with a choice of rear-entry or side-entry cab with tilt-up console.
- Enjoy the all-new Certified Forestry cab's 25 percent larger space with wider and taller door.
- Special roof lining and window and door sealing reduce noise, making the interior as quiet as today's top work trucks.
- New dual HVAC system keeps operators comfortable in either cold or warm weather.
- A wider heated and cooled air-suspension seat makes year-round work more pleasant.
- All controls are in front of you within easy reach to reduce twisting and turning and keep you focused on the work area.
- Tilting cab risers – 559 mm (22"), 1219 mm (48"), and 1829 mm (72") – are available to meet your work needs.
- Stow your gear with in-cab storage behind the seat and in the consoles.
- Use the standard radio's USB ports and Bluetooth[®] technology to connect personal devices and make hands-free calls.

Simple Operation

- Start the engine with a push button; use a Bluetooth key fob or the unique Operator ID function.
- Use Operator ID to quickly program your attachment functions, joystick response, and engine power mode; it will remember you each time you go to work.
- The engine's regeneration system functions automatically with no operator input or interruption to work.
- Navigate easily on the high-resolution touchscreen monitor.
- The available Cat PL161 Attachment Locator helps you find tools you need up to a range of 60 m (200') – even if it's hidden beneath overgrowth or debris.
- Not sure how a function works or how to maintain the machine? Always have the operator's manual at your fingertips in the touchscreen monitor.

Versatile Configurations

- General Forestry configuration is available with boom, stick, and hydraulic options so you can equip it for road building, grapple work, or processing.
- Log Loader configuration is ideal for shovel logging, Butt-n-Top loading, power clam applications, and millyard work.
- Rugged, reliable, simple-to-service Cat forestry grapples range in size from 1320 mm (52") to 1524 mm (60").

*All percentages compared to 2020 model year 568.

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Easy Maintenance

- Expect up to 15 percent less maintenance cost.* (Savings calculated over 12,000 machine hours.)
- Replace fuel filters at 1,000 hours – twice the interval from the previous filters.
- Get improved filtration and longer 3,000 hour service life with the new hydraulic oil return filter – 50 percent longer service than previous filter design.
- The high-efficiency cooling fan is hydraulically driven and runs only when needed; program intervals so the fan automatically reverses to keep cores clean without interrupting your work.
- S-O-SSM ports simplify maintenance and allow for quick, easy extraction of fluid samples for analysis.

*All percentages compared to 2020 model year 568.

Enhanced Safety

- The cab meets the following standards:
Rollover Protective Structure (ROPS)/Falling Object Protective Structure (FOPS)/Operator Protective Structure (OPS)/
Tip Over Protective Structure (TOPS)
ISO 8082-2:2011
ISO 8083:2006 11,600J
ISO 10262:1998 Level II
ISO 8084:2003
SAE J1356 MAR2013
WCB G603 March 1990
OR-OSHA 437-007-775(14)
- Access most routine maintenance points at ground level.
- New right-hand steps provide easy, safe, and quick access to upper service platform; the steps and service platform use anti-skid punch plate to prevent slipping.
- Larger 32 mm (1¼") polycarbonate front window, smaller cab pillars, and a flat engine hood improve visibility by 50 percent.
- Standard rearview camera enhances jobsite visibility; sideview camera is optional.
- The monitor's slope and grade indicator helps enhance stability and lift.

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
BOOMS AND STICKS			CAB		
6.5 m (21'4") Reach boom – General Forestry		✓	ROPS Forestry cab with polycarbonate windows	✓	
7.09 m (23'3") Straight boom – Log Loader		✓	4-point harness seat belt	✓	
3.9 m (12'10") Reach stick		✓	Side entry with 559 mm (22") tilting riser		✓
4.73 m (15'6") Over/Under stick		✓	Rear entry with 1219 mm (48") tilting riser		✓
4.73 m (15'6") Under/Under Power Clam stick		✓	Rear entry with 1829 mm (72") tilting riser		✓
			Heated and cooled seat with air-adjustable suspension	✓	
			Integrated joysticks	✓	
			Tilt-up left-side console (side-entry cab only)	✓	
			High-resolution touchscreen monitor	✓	
			Bluetooth integrated radio (including USB, aux port and microphone)	✓	
			12V DC outlets	✓	
			Keyless push-to-start engine control	✓	
			Automatic bi-level air conditioner	✓	
			LED dome and floor lights	✓	
			Windshield wiper and washer	✓	
			Behind seat storage	✓	
			CB radio mounts		✓
			Retractable sunshade	✓	

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional		Standard	Optional
CAT TECHNOLOGIES			SAFETY AND SECURITY		
Cat Product Link™	✓		Caterpillar One Key security system	✓	
Remote Services capability	✓		Lockable service doors	✓	
ELECTRICAL SYSTEM			Lockable external tool/storage box	✓	
Maintenance-free 1,000 CCA batteries (×4)	✓		Lockable fuel caps and hydraulic tank	✓	
Centralized electrical disconnect switch	✓		Service platforms with anti-skid plate and countersunk bolts	✓	
LED chassis, boom/stick, and cab lights	✓		Right-hand handrail and handhold	✓	
Premium lighting – General Forestry – six additional lights		✓	Signaling/warning horn	✓	
Premium lighting – Log Loader – 10 additional lights		✓	Ground-level secondary engine shutoff switch	✓	
ENGINE			Rearview camera	✓	
Electric fuel priming pump	✓		Right-hand sideview camera		✓
Cold start package with block heater and ether assist		✓	SERVICE AND MAINTENANCE		
Three selectable modes: Power, Smart, Eco	✓		Side-entry service platform	✓	
Automatic engine speed control	✓		Left- and right-side fuel fill locations	✓	
Automatic engine idle shutdown	✓		Grouped location for engine oil and fuel filters	✓	
Up to 4500 m (14,764 ft) altitude capability	✓		S-O-S SM sampling ports	✓	
52° C (126° F) high-ambient cooling capacity	✓		UNDERCARRIAGE AND STRUCTURES		
–32° C (–25° F) cold start capability	✓		High Wide undercarriage	✓	
Hydraulic reverse fan	✓		Grease lubricated track with positive pin retention	✓	
Two-stage fuel filter system	✓		Catwalks	✓	
Double element air filter with integrated pre-cleaner	✓		Tie down points	✓	
Biodiesel capability up to B20	✓		Counterweight fuel tank	✓	
HYDRAULIC SYSTEM			850 mm (33") triple grouser shoes		✓
Boom and stick regeneration circuits	✓		700 mm (28") double and single grouser shoes		✓
Boom and stick drift reduction valve	✓		Heavy-duty track rollers	✓	
Electronic main control valve	✓		Heavy-duty travel motor guards	✓	
Automatic hydraulic oil warmup	✓		Heavy-duty bottom guards	✓	
Automatic swing parking brake	✓		Track guiding guards	✓	
High performance hydraulic return filter	✓		High drawbar final drives	✓	
Automatic two speed travel	✓		Heavy-duty recoil springs	✓	
Bio hydraulic oil capability	✓		Heavy-duty hydraulic swivel	✓	
High torque swing drive	✓		Heavy-duty hydraulic swivel guard	✓	
Swing cushion valve	✓				
Tool control software	✓				
Medium pressure circuit		✓			

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Technical Specifications

Engine

		Cat® C9.3	
Engine Model		Cat® C9.3	
Net Power – ISO 9249:2007	257.9 kW	346 hp	
Engine Power – ISO 14396:2002	259 kW	347 hp	
Bore	115 mm	4.53 in	
Stroke	149 mm	5.87 in	
Displacement	9.3 L	567.5 in ³	

- ISO 9249 is net power available at the flywheel when the engine is equipped with fan, air cleaner, aftertreatment, and alternator with engine speed at 1,900 rpm.

Drive

Maximum Travel Speed	4.3 km/h	2.7 mph
Maximum Drawbar Pull	378 kN	84,978 lbf

Hydraulic System

Main System – Maximum Flow – Implement	581 L/min	153.4 gal/min
Maximum Pressure – Equipment – Implement	35 000 kPa	5,076 psi
Maximum System Pressure – Heavy Lift Mode	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	28 400 kPa	4,119 psi

Swing Mechanism

Swing Speed	6.1 rpm
Maximum Swing Torque	163 kN·m 120,222 lbf·ft

Weights

Operating Weight – General Forestry	47 300 kg	104,280 lb
• High Wide undercarriage, Reach Boom, R3.9 m (12'10") Reach stick, 700 mm (28") double grouser shoes, 1.64 m ³ (2.14 yd ³) HD bucket.		
Operating Weight – Log Loader, Under/Under	47 800 kg	105,380 lb
• High Wide undercarriage, Log Loader boom, 4.73 m (15'6") Under/Under stick with live heel, 700 mm (28") double grouser shoes, no grapple.		
Operating Weight – Log Loader, Over/Under	47 900 kg	105,600 lb
• High Wide undercarriage, Log Loader boom, 4.73 m (15'6") Over/Under stick with live heel, 700 mm (28") double grouser shoes, no grapple.		
Operating Weight – Log Loader, Power Clam	46 800 kg	103,180 lb
• High Wide undercarriage, Log Loader boom, 4.73 m (15'6") Under/Under stick for Power Clam, 700 mm (28") double grouser shoes, no grapple.		

Service Refill Capacities

Fuel Tank Capacity	990 L	262 gal
Cooling System	20.0 L	5 gal
Engine Oil (with filter)	32 L	8 gal
Swing Drive (each)	10.5 L	3 gal
Final Drive (each)	9.5 L	3 gal
Hydraulic System (including tank)	383 L	101 gal
Hydraulic Tank	185 L	49 gal
Diesel Exhaust Fluid (DEF) Tank	80 L	21 gal

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.00 kg of refrigerant, which has a CO₂ equivalent of 1.430 metric tonnes.

Working Ranges

General Forestry			
Reach 6.5 m (21'4") boom, Reach 3.9 m (12'10") stick			
Maximum Reach at Ground Level	11 690 mm	38'4"	
Log Loader			
Under/Under			
Reach 7.09 m (23'3") boom, under/under 4.73 m (15'6") stick			
Maximum Reach at Ground Level	12 930 mm	42'5"	
Over/Under			
Reach 7.09 m (23'3") boom, under/under 4.73 m (15'6") stick			
	13 530 mm	44'5"	
Power Clam			
Reach 7.09 m (23'3") boom, under/under 4.73 m (15'6") stick			
	11 670 mm	38'3"	

Dimensions

	General Forestry		Log Loader	
Boom	Reach 6.5 m (21'4")		LL 7.09 m (23'3")	
Stick	Reach 3.9 m (12'10")		—	
Stick	—	—	Under/Under 4.73 m (15'6")	
Stick	—	—	Over/Under 4.73 m (15'6")	
Stick	—	—	Power Clam 4.73 m (15'6")	
Shipping Height (cab tilted)	4030 mm	13'3"	3490 mm	11'5"
Handrail Height	3510 mm	11'6"	3510 mm	11'6"
Shipping Length				
General Forestry – with attachment	15 430 mm	50'7"	—	—
LL Under/Under – no attachment	—	—	16 930 mm	55'7"
LL Over/Under – no attachment	—	—	17 370 mm	57'
LL Power Clam – no attachment	—	—	15 530 mm	50'11"
Tail Swing Radius	3790 mm	12'5"	3790 mm	12'5"
Counterweight Clearance	1500 mm	4'11"	1500 mm	4'11"
Ground Clearance	760 mm	2'6"	760 mm	2'6"
Track Length	5490 mm	18'	5490 mm	18'
Length to Center of Rollers	4450 mm	14'7"	4450 mm	14'7"
Track Gauge	2920 mm	9'7"	2920 mm	9'7"
Transport Width – 700 mm (28") shoes	3650 mm	12'	3650 mm	12'

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