

# PRODUCT SPECIFICATIONS FOR FM568 GF/FM568 LL



## ENGINE

<b>Engine Model</b>	Cat C9.3B
<b>Net Power - ISO 9249</b>	257.9 kW
<b>Engine Power - ISO 14396</b>	259 kW
<b>Net Power - ISO 9249 (DIN)</b>	351 hp (metric)
<b>Engine Power - ISO 14396 (DIN)</b>	352 hp (metric)
<b>Bore</b>	115 mm
<b>Stroke</b>	149 mm
<b>Displacement</b>	9.3 r/min
<b>Biodiesel Capability</b>	Up to B20 <sup>1</sup>
<b>Emissions</b>	Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
<b>Note (1)</b>	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system, and alternator with engine speed at 1,900 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

**Note (2)**

<sup>1</sup>Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels\*\* up to: 20% biodiesel FAME (fatty acid methyl ester)\* or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details. \*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer). \*\*Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

## DRIVE

Maximum Travel Speed	4.3 km/h
----------------------	----------

Maximum Drawbar Pull	378 kN
----------------------	--------

## HYDRAULIC SYSTEM

Main System - Maximum Flow	581 l/min
----------------------------	-----------

Maximum Pressure - Equipment	35000 kPa
------------------------------	-----------

Maximum Pressure - Equipment - Lift Mode	38000 kPa
--	-----------

Maximum Pressure - Travel	35000 kPa
---------------------------	-----------

Maximum Pressure - Swing	28400 kPa
--------------------------	-----------

## SWING MECHANISM

Swing Speed	6.1 r/min
-------------	-----------

Maximum Swing Torque	120222 lb/ft
----------------------	--------------

## WEIGHTS

General Forestry	48500 kg
------------------	----------

Log Loader (U/U)	49300 kg
------------------	----------

## SERVICE REFILL CAPACITIES

<b>Fuel Tank</b>	990 l
<b>Cooling System</b>	20 l
<b>Engine Oil</b>	32 l
<b>Swing Drive</b>	10.5 l
<b>Final Drive - Each</b>	9.5 l
<b>Hydraulic System - Including Tank</b>	383 l
<b>Hydraulic Tank</b>	185 l
<b>DEF Tank</b>	80 l

## WORKING RANGES

<b>Max Reach at Stick Nose at Ground Level - General Forestry Road Builder</b>	11690 mm
<b>Max Reach at Grapple Mount on Heel at Ground Level - Log Loader Under/Under</b>	12930 mm

## DIMENSIONS

<b>Note (1)</b>	General Forestry
<b>Shipping Height - Tilted Cab</b>	4030 mm
<b>Handrail Height</b>	3510 mm
<b>Length: General Forestry - Boom Stretched Out</b>	15430 mm
<b>Length: Log Loader - Boom Stretched Out</b>	16930 mm
<b>Tail Swing Radius</b>	3790 mm
<b>Counterweight Clearance</b>	1500 mm

<b>Ground Clearance</b>	760 mm
<b>Track Length</b>	5490 mm
<b>Track Length to Center of Rollers</b>	4450 mm
<b>Track Gauge</b>	2920 mm
<b>Transport Width</b>	3650 mm

## AIR CONDITIONING SYSTEM

### Note (1)

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 2.1 (22"/48" Riser CAB)/2.2 (72" Riser CAB) kg of refrigerant, which as a CO2 equivalent of 3.003/3.146 metric tonnes.

## FM568 GF/FM568 LL STANDARD EQUIPMENT

### CAB

ROPS Forestry cab with polycarbonate windows  
 4-point harness seat belt  
 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  
 Retractable sunshade

### CAT TECHNOLOGIES

VisionLink  
 Remote Services Capability

### ELECTRICAL SYSTEM

Maintenance-free 1000 CCA batteries (x4)  
 Centralized electrical disconnect switch  
 LED chassis, boom (GF), stick (LL) and cab lights

115 Amp. alternator  
24-volt electric starting  
Horn and travel alarm  
Pre-start monitoring system  
Tool control software  
Secondary engine shut off switch

## **ENGINE**

Electric fuel priming pump  
Three selectable modes: Power, Smart, Eco  
Automatic engine speed control  
Automatic engine idle shutdown  
Up to 4500m (14,764 ft) altitude capability  
52° C (126° F) high-ambient cooling capacity  
-32° C (-25° F) cold start capability  
Hydraulic reverse fan  
Two-stage fuel filter system  
Double element air filter with integrated pre-cleaner

## **HYDRAULIC SYSTEM**

Boom and stick regeneration circuits  
Boom and stick drift reduction valve  
Electronic main control valve  
Automatic hydraulic oil warmup  
Automatic swing parking brake  
High performance hydraulic return filter  
Automatic two speed travel  
Bio hydraulic oil capability  
High torque swing drive  
Swing cushion valve  
Tool control software

## **SAFETY AND SECURITY**

Caterpillar One Key security system  
Lockable service doors  
Lockable external tool/storage box  
Lockable fuel caps and hydraulic tank  
Service platforms with anti-skid plate and countersunk bolts  
Right-hand handrail and handhold  
Signaling/warning horn  
Travel alarm  
Ground-level secondary engine shutoff switch  
Rearview camera

## **SERVICE AND MAINTENANCE**

Integrated vehicle health management system

Side-entry service platform  
Left/Right-side fuel fill locations  
Grouped location for engine oil and fuel filters  
Scheduled Oil Sampling (S·O·S) ports

## **UNDERCARRIAGE AND STRUCTURES**

High Wide undercarriage  
Grease lubricated track with positive pin retention  
Catwalks  
Tie down points  
Counterweight fuel tank  
Heavy-duty track rollers  
Heavy-duty travel motor guards  
Heavy-duty bottom guards  
Track guiding guards  
High drawbar final drives  
Heavy-duty recoil springs  
Heavy-duty hydraulic swivel  
Heavy-duty hydraulic swivel guard

## **FM568 GF/FM568 LL OPTIONAL EQUIPMENT**

### **BOOMS AND STICKS**

6.5 m (21'4") Reach boom - General Forestry  
7.09 m (23'3") Straight boom - Log Loader  
3.9 m (12'10") Reach stick  
4.73 m (15'6") Over/Under stick  
4.73 m (15'6") Power Clam stick  
DB family bucket linkage

### **CAB**

Rear entry  
Side entry  
559 mm (22") tilting riser  
1219 mm (48") tilting riser  
1829 mm (72") tilting riser  
CB radio mounts  
Cat Stick Steer  
Auxiliary relay

### **ELECTRICAL SYSTEM**

Premium lighting - General Forestry - 6 additional LED lights - 14 total  
Premium lighting - Log Loader - 10 additional LED lights - 18 total

### **ENGINE**

Cold start package with block heater and ether assist

## **HYDRAULIC SYSTEM**

Medium pressure circuit

## **SAFETY AND SECURITY**

Easy lock cab tilting system

Cab riser light

Inspection lighting

Swing alarm

Right-hand-sideview camera

## **UNDERCARRIAGE AND STRUCTURES**

700 mm (28") double and single grouser shoes

850 mm (33") triple grouser shoes