

PRODUCT SPECIFICATIONS FOR FM548 GF/FM548 LL



ENGINE

Engine Model	Cat C7.1
Net Power - ISO 9249	202.4 kW
Engine Power - ISO 14396	205 kW
Net Power - ISO 9249 (DIN)	275 hp (metric)
Engine Power - ISO 14396 (DIN)	279 hp (metric)
Bore	105 mm
Stroke	135 mm
Displacement	7.1 r/min
Biodiesel Capability	B20 ¹
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V emission standards.
Note (1)	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 1,800 rpm. Advertised power is tested per the specified standard in effect at time of manufacture.

Note (2)

¹Cat 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	4.8 km/h
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Maximum Drawbar Pull	295 kN
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HYDRAULIC SYSTEM

Main System - Maximum Flow	502 l/min
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Maximum Pressure - Equipment	35000 kPa
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Maximum Pressure - Equipment - Lift Mode	38000 kPa
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Maximum Pressure - Travel	35000 kPa
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Maximum Pressure - Swing	28000 kPa
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SWING MECHANISM

Swing Speed	8.1 r/min
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Maximum Swing Torque	136 kN·m
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WEIGHTS

General Forestry	37800 kg
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Log Loader (U/U)	40500 kg
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SERVICE REFILL CAPACITIES

Fuel Tank	990 l
Cooling System	38 l
Engine Oil	25 l
Swing Drive	13.5 l
Final Drive - Each	9.5 l
Hydraulic System - Including Tank	348 l
Hydraulic Tank	185 l
DEF Tank	41 l

DIMENSIONS

Note (1)	General Forestry
Shipping Height - Tilted Cab	3500 mm
Handrail Height	3500 mm
Length: General Forestry - Boom Stretched Out	11920 mm
Length: Log Loader - Boom Stretched Out	15120 mm
Tail Swing Radius	3530 mm
Counterweight Clearance	1500 mm
Ground Clearance	800 mm
Track Length	5050 mm
Track Length to Center of Rollers	4020 mm

Track Gauge 2790 mm

Transport Width 3530 mm

WORKING RANGES

Max Reach at Stick Nose at Ground Level - General Forestry Road Builder 10040 mm

Max Reach at Grapple Mount on Heel at Ground Level - Log Loader Under/Under 11440 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" Riser CAB)/2.2 (48"/72" Riser CAB) kg of refrigerant, which as a CO2 equivalent of 3.003/3.146 metric tonnes.

FM548 GF/FM548 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 shutoff switch
Cold start package with block heaters

ENGINE

Electric fuel priming pump
Three selectable modes: Power, Smart, Eco
Automatic engine speed control
Automatic engine idle shutdown
Up to 4600 m (15,092 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 disconnect switch
Lockable fuel cap and hydraulic tank
Service platforms with anti-skid plate and countersunk bolts
Right-hand rail and hand hold
Signaling/warning horn
Ground-level secondary engine shutoff switch
Rearview camera
Travel alarm

SERVICE AND MAINTENANCE

Side-entry to service platforms
Grouped location for engine oil and fuel filters
Scheduled Oil Sampling (S·O·S) ports
Integrated vehicle health management system

UNDERCARRIAGE AND STRUCTURES

High Wide undercarriage
8.5" pitch Cat grease lubricated track chain with pressed fit pin
Catwalks
Tie down points
Counterweight fuel tank
Heavy-duty track rollers and frames
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

FM548 GF/FM548 LL OPTIONAL EQUIPMENT

BOOMS AND STICKS

5.9 m (19'6") Reach boom - General Forestry
6.55 m (21'6") boom - Log Loader
2.95 m (9'6") Reach stick
3.71 m (12'2") Goose Neck stick
3.76 m (12'4") Under/Under stick
4.05 m (13'3") Over/Under stick
4.05 m (13'3") Power Clam stick
CB2 family bucket linkage

CAB

Side entry with 559 mm (22") tilting riser
Rear entry with 1219 mm (48") tilting riser
Rear entry with 1829 mm (72") tilting riser

ELECTRICAL SYSTEM

Premium General Forestry lighting package
Premium Log Loader lighting package

ENGINE

Cold start package with block heaters and ether assist

HYDRAULIC SYSTEM

Medium pressure circuit

SAFETY AND SECURITY

Right-hand-sideview cameras

Inspection lighting

UNDERCARRIAGE AND STRUCTURES

900 mm (36") triple grouser Tri Link shoes

850 mm (33") triple grouser shoes

700 mm (28") double or single grouser shoes