



Cat[®] 313F L GC

Hydraulic Excavator

2017

The Cat[®] 313F L GC is a perfect choice for customers who value versatility, reliability, durability, and maximum efficiency.

Performance

- The C3.4B ACERT™ U.S. EPA Tier 4 Final/EU Stage IIIB engine is powerful and efficient, and it can run on biodiesel up to B20.
- Advanced control automatically manages pump and engine speed for maximum efficiency.
- Two power modes, high power and eco mode, help you actively manage fuel consumption.
- Engine idle shutdown saves fuel, reduces emissions, and extends service intervals.

Versatility

- Site prep and finishing work are quick and easy with a wide range of Cat work tools.
- Utility work is fast and flawless with a Cat bucket and compactor.
- A coupler lets you swap between attachments in seconds without leaving the cab.
- See the whole money-making attachment line for your machine at www.cat.com/attachments.

Comfort

- The roll-over protective structure (ROPS) certified cab is quiet and comfortable.
- Automatic climate control helps maintain consistent cab temperature.
- Joystick consoles and armrests are adjustable.
- Seats are adjustable and feature air suspension in Europe, Australia, New Zealand and Pacific Island.
- The LCD monitor is easy to navigate and programmable in 42 languages.

Serviceability

- Routine maintenance points like grease points and fluid taps are reachable at ground level.
- Wide service doors make for easy access.
- Filters are grouped to reduce service time.
- The cooling package is designed to prevent plugging, make blowing off debris easy.

Technology

- Cat Connect technology improves job site efficiency.
- Product Link™/VisionLink[®] connects owners to the machine, providing access to location, hours, fuel consumption, idle time, events, and diagnostic codes.

Durability

- Robot welded, Caterpillar designed boom and sticks are built for long service.
- Greased track link between pins and bushings increases undercarriage life and reduces noise.

Safety

- The hydraulic activation lever locks out all hydraulic functions.
- Handrails, anti-skid plating and countersunk bolts reduce slipping and tripping.
- A ground-level engine shutoff switch shuts down the engine in case of emergency.
- Optional rearview camera and mirrors enhance visibility.
- The side-view camera is offered in Europe to enhance visibility on the boom side of the machine to help make operators more effective and efficient.



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Engine

Engine Model	Cat C3.4B	
Gross Power – SAE J1995 (metric)	55 kW	74 hp
Engine Power – ISO 14396 (metric)	55 kW	74 hp
Net Power – ISO 9249 (metric)	52 kW	70 hp
Bore	99 mm	
Stroke	110 mm	
Displacement	3.4 L	
<ul style="list-style-type: none"> The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.9 kg of refrigerant which has a CO₂ equivalent of 1.287 metric tonnes. 		

Hydraulic System

Main System – Maximum Flow (total)	240 L/min
Maximum Pressure – Equipment	30.5 MPa
Maximum Pressure – Travel	30.5 MPa
Maximum Pressure – Swing	23 MPa
Pilot System – Maximum Pressure	4120 kPa

Drive

Travel Speed	
Maximum High	5.3 km/h
Maximum Low	3.4 km/h
Maximum Drawbar Pull	109.9 kN

Machine Weights

Minimum Operating Weight	13 200 kg
Maximum Operating Weight	14 600 kg

Swing

Swing Speed	11.7 rpm
Swing Torque	30.9 kN-m

Service Refill Capacities

Fuel Tank Capacity	250 L
Cooling System	11 L
Engine Oil	8 L
Swing Drive	2.4 L
Final Drive	3 L
Hydraulic System Oil (including tank)	162 L
Hydraulic Tank Oil	90.6 L

Sound

Exterior Sound Power Level (ISO 6395:2008)*	99 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)

Dimensions*

Reach Boom – 4.65 m	
Stick	R2.5
Shipping Height	2830 mm
Shipping Length	7680 mm
Tail Swing Radius	2180 mm
Length to Center of Rollers	3040 mm
Track Length	3750 mm
Ground Clearance	440 mm
Track Gauge	1990 mm
Transport Width	
500 mm Shoes	2490 mm
600 mm Shoes	2590 mm
Cab Height	2760 mm
Cab Height with Top Guard	2900 mm
Counterweight Clearance	880 mm

Working Ranges*

Boom Option	Reach Boom – 4.65 m
Stick Option	R2.5
Maximum Digging Depth	5530 mm
Maximum Reach at Ground Level	8170 mm
Maximum Cutting Height	8490 mm
Maximum Loading Height	6100 mm
Minimum Loading Height	2020 mm
Maximum Depth Cut for 2440 mm Level Bottom	5330 mm
Maximum Vertical Wall Digging Depth	5000 mm

Bucket and Stick Forces*

Boom Option	Reach Boom – 4.65 m
Stick Option	R2.5
General Duty	0.53 m³
Bucket Digging Force (ISO)	95 kN
Stick Digging Force (ISO)	65 kN
Bucket Digging Force (SAE)	86 kN
Stick Digging Force (SAE)	64 kN

*With 0.53 m³ general duty bucket.

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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