



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 C3.4 U.S. EPA Tier 4 Final engine is powerful, efficient, and doesn't need DEF; it can also run on biodiesel up to B20.
- Advanced control automatically manages pump and engine speed for maximum efficiency.
- Engine idle shutdown saves fuel, reduces emissions, and extends service intervals.

Versatility

- Site prep and finishing work are quick and easy with a Cat grapple, thumb, and hammer.
- 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.
- The LCD monitor is easy to navigate and programmable in 42 languages.

Serviceability

- Many routine service and maintenance points can be accessed from ground level reducing the time taken to check and service your machine.
- 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

- The large swing bearing is secured with elongated bolts to help handle the most swing-intensive work.
- Robot welded, Caterpillar designed boom and sticks are built for long service – backed with a three year, 10,000 hour warranty.
- 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.



Cat® 313F L GC Hydraulic Excavator

| Engine | | |
|-------------------------|-----------|---------------------|
| Engine Model | C3.4 | |
| Gross Power – SAE J1995 | 55 kW | 74 hp |
| Net Power – SAE J1349 | 52 kW | 70 hp |
| Engine rpm | | |
| Operation | 1,700 rpm | |
| Travel | 1,800 rpm | |
| Bore | 99 mm | 3.90 in |
| Stroke | 110 mm | 4.33 in |
| Displacement | 3.4 L | 207 in ³ |

| Hydraulic System | | |
|------------------------------------|------------|--------------|
| Main System – Maximum Flow (total) | 240 L/min | 63.4 gal/min |
| Maximum Pressure – Equipment | 30 502 kPa | 4,424 psi |
| Maximum Pressure – Travel | 30 502 kPa | 4,424 psi |
| Maximum Pressure – Swing | 23 MPa | 3,336 psi |
| Pilot System – Maximum Pressure | 4120 kPa | 598 psi |

| Drive | | |
|----------------------|----------|------------|
| Maximum Travel Speed | 5.3 km/h | 3.3 mph |
| Maximum Drawbar Pull | 110 kN | 24,728 lbf |

| Machine Weights | | |
|--|-----------|-----------|
| Operating Weight | 13 300 kg | 29,300 lb |
| • Long undercarriage, reach boom, R3.0 (9'10") stick, GD 0.53 m ³ (0.69 yd ³) bucket, and 500 mm (20") shoes. | | |

| Swing | | |
|--------------|-----------|---------------|
| Swing Speed | 11.7 rpm | |
| Swing Torque | 30.9 kN·m | 22,791 lbf-ft |

| Service Refill Capacities | | |
|-----------------------------------|--------|----------|
| Fuel Tank Capacity | 250 L | 66.0 gal |
| Cooling System | 17.9 L | 4.7 gal |
| Engine Oil | 8 L | 2.1 gal |
| Swing Drive | 3 L | 0.8 gal |
| Final Drive | 2.4 L | 0.6 gal |
| Hydraulic System (including tank) | 164 L | 43.3 gal |
| Hydraulic Tank | 90.6 L | 23.9 gal |

| Dimensions | | |
|--|--------------------------------------|-------|
| Boom Options | Reach Boom 4.65 m (15'3") | |
| Stick Options | R3.0 (9'10") | |
| Shipping Height | 2780 mm | 9'1" |
| Shipping Length | 7700 mm | 25'3" |
| Shipping Length with Blade | 7960 mm | 26'1" |
| Tail Swing Radius | 2170 mm | 7'0" |
| Length to Center of Rollers | 3040 mm | 10'0" |
| Track Length | 3740 mm | 12'3" |
| Ground Clearance | 440 mm | 1'5" |
| Track Gauge (shipping)* | 1990 mm | 6'6" |
| Transport Width – 700 mm (28 in) Shoes | 2690 mm | 8'10" |
| Cab Height | 2760 mm | 9'1" |
| Cab Height with Top Guard | 2900 mm | 9'6" |
| Counterweight Clearance | 900 mm | 2'11" |

*With GD 0.53 m³ (0.69 yd³) bucket

| Working Ranges | | |
|---|--------------------------------------|--------|
| Boom Options | Reach Boom 4.65 m (15'3") | |
| Stick Options | R3.0 (9'10") | |
| Maximum Digging Depth | 6030 mm | 19'9" |
| Maximum Reach at Ground Line | 8620 mm | 28'3" |
| Maximum Cutting Height | 8700 mm | 28'6" |
| Maximum Loading Height | 6340 mm | 20'10" |
| Minimum Loading Height | 1530 mm | 5'0" |
| Maximum Depth Cut for 2240 mm (8 ft) Level Bottom | 5850 mm | 19'2" |
| Maximum Vertical Wall Digging Depth | 5410 mm | 17'8" |

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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AEXQ1909-01
Replaces AEXQ1909
(NACD)

