



Cat® 315F L

Hydraulic Excavator

FORESTRY

2017

The Cat® 315F L Forestry is a perfect choice for customers who value versatility, reliability, durability, and maximum efficiency.

- Additional mesh screen and covers to avoid entry of dead leaf. This is prevention of fire incident.
- Single grouser shoe (500 mm) for soft ground and slope.
- Corner guard and Bottom guard with open-able engine under guard.
- Tool tray in front of cab structure.
- High wide option is available.
- Third pump combined AUX circuit with large diameter front AUX lines for harvester.

Performance

- The C4.4 ACERT™ Japan 2014 (Tier 4 Final) engine is powerful and efficient.
- 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 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.

Comfort *(continued)*

- 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 and makes blowing off debris easy.

Technology

- Cat Connect technology improves job site efficiency.
- Optional Cat Grade Control helps you create a level base and precise slope with ease.
- 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.



オフロード法2014年
基準適合

Cat® 315F L Hydraulic Excavator – Forestry

Engine

Engine Model	Cat C4.4 ACERT
Gross Power – SAE J1995	74 kW
Net Power – SAE J1349/ISO 9249	72 kW
Engine Power – ISO 14396	74 kW
Bore	105 mm
Stroke	127 mm
Displacement	4.4 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 0.6 kg of refrigerant which has a CO₂ equivalent of 0.858 metric tonnes. 	

Hydraulic System

Main System – Maximum Flow (total)	256 L/min
Maximum Pressure – Equipment	30 500 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	23 000 kPa
Pilot System – Maximum Flow	22 L/min
Pilot System – Maximum Pressure	4120 kPa

Drive

Maximum Travel Speed	5.5 km/h
Maximum Drawbar Pull	112 kN

Machine Weights

Minimum Operating Weight	14 800 kg
Maximum Operating Weight	16 700 kg

Service Refill Capacities

Fuel Tank Capacity	178 L
DEF Tank Capacity	19 L
Cooling System	28 L
Engine Oil (with filter)	13.5 L
Swing Drive (each)	2.4 L
Final Drive (each)	3 L
Hydraulic System (including tank)	160 L
Hydraulic Tank	84 L

Swing

Swing Speed	11.5 rpm
Swing Torque	30.9 kN·m

Dimensions*

Reach Boom – 4.65 m	
Stick	R2.5 m
Shipping Height	3030 mm
Shipping Length with Blade	7930 mm
Tail Swing Radius	1490 mm
Length to Center of Rollers	2780 mm
Track Length	3550 mm
Ground Clearance	440 mm
Track Gauge	1990 mm
Transport Width – 600 mm Shoes	2590 mm
Cab Height	2850 mm
Cab Height with Top Guard	3000 mm
Counterweight Clearance	870 mm

Working Ranges*

Reach Boom – 4.65 m	
Stick	R2.5 m
Maximum Digging Depth	5440 mm
Maximum Reach at Ground Level	8230 mm
Maximum Cutting Height	9310 mm
Maximum Loading Height	6860 mm
Minimum Loading Height	2510 mm
Maximum Depth Cut for 2440 mm Level Bottom	5240 mm
Maximum Vertical Wall Digging Depth	4900 mm

Bucket & Stick Forces*

Reach Boom – 4.65 m	
Stick	R2.5 m
Bucket Type	General Duty Bucket
Bucket Digging Force (SAE)	85 kN
Bucket Digging Force (ISO)	95 kN
Stick Digging Force (SAE)	63 kN
Stick Digging Force (ISO)	65 kN

*With 0.52 m³, 900 mm 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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Based on the Labor, Safety and Health Laws in Japan, employer of small construction equipment are required to provide specific training for all operators on machines with ship weight less than 3 metric ton. For machines greater than 3 metric ton, operator needs to obtain operator license certification from a Government approved registered training school.

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(Japan)

