



Cat[®] 314F

Hydraulic Excavator

2017

The Cat[®] 314F is a perfect choice for customers who value versatility, reliability, durability, and maximum efficiency.

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, standard 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.
- A coupler lets you swap between attachments in seconds without leaving the cab.
- See the whole 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 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.
- Standard rearview camera and mirrors enhance visibility.



オフロード法2014年
基準適合

Cat® 314F Hydraulic Excavator

Engine	
Engine Model	Cat C4.4 ACERT
Net Power – SAE J1349/ISO 9249	72.3 kW
Engine Power – ISO 14396	74.4 kW
Bore	105 mm
Stroke	127 mm
Displacement	4.4 L

Hydraulic System	
Main System – Maximum Flow (total)	256 L/min
Maximum Pressure – Equipment	30 500 kPa
Maximum Pressure – Power Offset Boom (optional)	29 900 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	23 000 kPa
Pilot System – Maximum Flow	19 L/min
Pilot System – Maximum Pressure	4120 kPa

Drive	
Maximum Travel Speed	5.5 km/h
Maximum Drawbar Pull	113 kN

Machine Weights	
Minimum Operating Weight	13 300 kg
Maximum Operating Weight	15 200 kg

Swing	
Swing Speed	10.5 rpm
Swing Torque	30.9 kN-m

Service Refill Capacities	
Fuel Tank Capacity	180 L
DEF Tank Capacity	19 L
Cooling System	22 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

Dimensions*	
Reach Boom – 4.65 m	
Stick	R2.5 m
Shipping Height	3000 mm
Shipping Length with Blade	7940 mm
Tail Swing Radius	1490 mm
Length to Center of Rollers	2780 mm
Track Length	3490 mm
Ground Clearance	440 mm
Track Gauge	1990 mm
Transport Width – 500 mm Shoes	2490 mm
Cab Height	2810 mm
Cab Height with Top Guard	2950 mm
Counterweight Clearance	860 mm

Working Ranges*	
Reach Boom – 4.65 m	
Stick	R2.5 m
Maximum Digging Depth	5440 mm
Maximum Reach at Ground Level	8220 mm
Maximum Cutting Height	9300 mm
Maximum Loading Height	6870 mm
Minimum Loading Height	2510 mm
Maximum Vertical Wall Digging Depth	4910 mm

Bucket & Stick Forces*	
Reach Boom – 4.65 m	
Stick	R2.5 m
Bucket Digging Force (ISO)	96 kN
Stick Digging Force (ISO)	66 kN

*With 0.52 m³, 1000 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)

