



Cat[®] 336F L XE

Hydraulic Excavator

2017

The 336F L XE is built to keep your production numbers up and your owning and operating costs down while giving you all the power, fuel efficiency, and reliability you need to succeed.

Performance

- Caterpillar XE technology, like the exclusive Cat[®] Adaptive Control System (ACS) valve enables the machine to consume up to 20% less fuel than the standard 336F L, while delivering the same high level of production.
- The C9.3 ACERT™ engine meets U.S. EPA Tier 4 Final, Korea Tier 4 and EU Stage IV emission standards.
- Automatic engine speed control lowers rpm based on load for reduced fuel consumption.
- Power modes help you more actively manage fuel consumption.

Cat Connect Technology

- Cat Connect technology solutions increase production, minimize operating costs, and optimize return on investment by offering LINK, GRADE, and DETECT technologies.
- Cat Production Measurement brings payload weighting to the cab so you can work more productively and deliver accurate loads with confidence.
- VisionLink[®] provides wireless access to machine operating data such as location, hours, idle time, fuel usage, productivity, and diagnostic codes to optimize performance.
- Cat Grade Control and AccuGrade™ provide real-time cut and fill information to assist you in attaining grades and slopes more quickly and accurately.

Maintenance

- Routine maintenance items like grease points and fluid taps are easy to reach at ground level.
- The side-by-side cooling system enables easy cleaning.
- Multiple S-O-SSM ports and pressure diagnostic taps help prevent maintenance downtime.

Comfort

- The full-size roll-over protective structure (ROPS) certified cab is quiet and comfortable.
- Joystick consoles and armrests are adjustable. Seats are adjustable and feature air suspension and heated and cooled options.
- The LCD monitor is easy to navigate and programmable in 44 languages.

Versatility

- Demolition work is quick and easy with a Cat shear or multiprocessor.
- Quarry work is no problem with a purpose-built Cat bucket and hammer.
- A Cat coupler lets you swap between attachments in seconds without leaving the cab.
- Tool control option remembers pressures and flows for up to 20 tools to enhance uptime.

Durability

- Booms and sticks are built for long service.
- Box-section structures with multi-plate fabrications, castings, and forgings are used in high-stress areas. Track shoes, links, rollers, idlers, and final drives are built with high-tensile-strength steel.
- Greased track link between pins and bushings increases undercarriage life and reduces noise.

Safety

- Smart refuel fills the machine quickly from an external fuel source, it automatically stops when the fuel tank is full or the fuel source is empty, eliminating guess work and premature pump wear.
- The rearview and side-view cameras enhance visibility to help make operators more effective and efficient.
- Extended hand and guard rails allow for safer climbing to the upper deck, and anti-skid plates reduce slipping hazards in all types of weather conditions.



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Engine

Engine Model	Cat C9.3 ACERT	
Gross Power – SAE J1995	238 kW	319 hp/324 PS
Engine Power – ISO 14396	234 kW	314 hp/318 PS
Net Power – SAE J1349/ISO 9249	228 kW	306 hp/310 PS
Bore	115 mm	4.53 in
Stroke	149 mm	5.87 in
Displacement	9.3 L	568 in ³

Machine Weight

Operating Weight*	37 100 kg	81,800 lb
Operating Weight**	38 600 kg	85,100 lb
*336F L XE with 5.1 mt (5.6 t) counterweight, HD reach boom, R3.2DB (10'6") stick, 2.28 m ³ (2.98 yd ³) GP bucket, 800 mm (32") TG shoes.		
**336F L XE with 6.1 mt (6.7 t) counterweight, HD reach boom, R3.2DB (10'6") stick, 2.28 m ³ (2.98 yd ³) GP bucket, 800 mm (32") TG shoes.		

Hydraulic System

Main System – Maximum Flow (total)	570 L/min	151 gal/min
Swing System – Maximum Flow	279 L/min	74 gal/min
Maximum Pressure – Equipment		
Heavy Lift	37 000 kPa	5,511 psi
Normal	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	31 500 kPa	4,061 psi
Pilot System – Maximum Flow	28 L/min	8 gal/min
Pilot System – Maximum Pressure	4100 kPa	595 psi

Drive

Maximum Travel Speed	4.8 km/h	3 mph
Maximum Drawbar Pull	294 kN	66,139 lbf

Service Refill Capacities

Fuel Tank Capacity	620 L	164 gal
Cooling System	43 L	11 gal
Engine Oil (with filter)	32 L	8 gal
Swing Drive (each)	19 L	5 gal
Final Drive (each)	8 L	2 gal
Hydraulic System (including tank)	380 L	100 gal
Hydraulic Tank	175 L	46 gal
DEF Tank	41 L	11 gal

Swing

Swing Speed	8.7 rpm	
Swing Torque	109 kN-m	80,144 lbf-ft

Sound Performance

Exterior – ISO 6395	105 dB(A)	
Operator – SAE J1166/ISO 6396	73 dB(A)	

Dimensions

Boom Option	HD Reach Boom 6.50 m (21'4")	
Stick Option	R3.2DB (10'6")	
Shipping Height (with shoe lug height)	3510 mm	11'6"
Shipping Length	11 190 mm	36'9"
Tail Swing Radius	3490 mm	11'5"
Length to Center of Rollers	4040 mm	13'3"
Track Length	5030 mm	16'6"
Ground Clearance		
With Shoe Lug Height	510 mm	1'8"
Without Shoe Lug Height	480 mm	1'7"
Track Gauge	2590 mm	8'6"
Transport Width – 600 mm (24") Shoes	3190 mm	10'6"
Transport Width – 700 mm (28") Shoes	3290 mm	10'10"
Transport Width – 800 mm (32") Shoes	3390 mm	11'1"
Transport Width – 850 mm (33") Shoes	3440 mm	11'3"
Cab Height	3150 mm	10'4"
Cab Height with Top Guard	3360 mm	11'0"
Counterweight Clearance (without shoe lug height)	1220 mm	4'0"

Working Ranges

Boom Option	HD Reach Boom 6.50 m (21'4")	
Stick Option	R3.2DB (10'6")	
Maximum Digging Depth	7490 mm	24'7"
Maximum Reach at Ground Level	11 020 mm	36'2"
Maximum Cutting Height	10 320 mm	33'10"
Maximum Loading Height	7110 mm	23'4"
Minimum Loading Height	2610 mm	8'7"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6820 mm	22'5"
Maximum Vertical Wall Digging Depth	5500 mm	18'1"

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