



Cat[®] 336F L

Hydraulic Excavator

Performance

- C9.3 ACERT[™] engine meets U.S. EPA Tier 4 Final, EU Stage IV emission standards.
- Improved productivity and lift capability, same swing torque and lift capability, and comparable bucket force and stick force as the 336E.
- Electronic, fuel, air, and aftertreatment integration enhances fuel efficiency, reduces emissions, and extends service intervals.
- Equipped to run on up to B20 biodiesel fuel that meets ASTM 6751 standards for fuel-saving flexibility.
- Three power modes – high, standard, and eco – help manage fuel consumption.
- Automatic engine speed control lowers rpm based on load for reduced fuel consumption.

Serviceability

- Routine maintenance items like grease points, fluid taps, and filters are easy to reach.
- Service door design helps prevent debris entry, latching in place to enhance service.
- Side-by-side cooling system is efficient and enables easy cleaning.

Comfort

- Full-size Roll-Over Protective Structure (ROPS) certified cab is quiet and comfortable.
- Automatic climate control system helps maintain consistent cab temperature.
- Joysticks and armrests adjust to operator preference.
- Seats include heated and cooled option.
- LED monitor is programmable in 42 languages.
- Drink holders, storage areas, and auxiliary power outlets offer added convenience.

Versatility

- Common linkages between E Series and F Series support tool interchangeability.
- Multiple auxiliary hydraulics can support a large variety of work tools.
- Cat[®] buckets and Ground Engaging Tools (GET) are designed and matched to maximize machine performance.
- Auxiliary tool control system maximizes performance of hammers, compactors, and other Cat work tools.

Durability

- Built for long service life.
- Upper frame with special mounts supports ROPS cab.
- Lower frame is reinforced to enhance component durability.
- Booms and sticks are built with baffle plates for added strength, and each is stress-relieved and ultrasonically inspected for assured durability.
- 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 and Lubricated Tracks (GLT) provides longer life.
- Counterweight bolted directly to the main frame for rigidity.

Technology

- Cat Connect technology solutions increase production, minimize operating costs, and optimize return on investment.
- Cat Connect offers LINK, GRADE, and DETECT technologies.
- 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 operators in more quickly and more accurately attaining grades and slopes. Safety features enhance job site awareness, such as a rearview camera and operator alerts.



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Engine	
Engine Model	Cat C9.3 ACERT
Power – SAE J1995	238 kW (319 hp)
Power – ISO 14396	234 kW (313 hp)
Power – SAE J1349/ISO 9249	228 kW (306 hp)
Bore	115 mm
Stroke	149 mm
Displacement	9.3 L

Hydraulic System	
Main System – Maximum Flow (Total)	570 L/min
Swing System – Maximum Flow	279 L/min
Maximum Pressure – Equipment	
Heavy Lift	38 000 kPa
Normal	35 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	28 000 kPa
Pilot System – Maximum Flow	29 L/min
Pilot System – Maximum Pressure	4100 kPa

Drive	
Maximum Travel Speed	4.8 km/h
Maximum Drawbar Pull	294 kN

Machine Weights	
Minimum Weight*	36 200 kg
Maximum Weight**	38 900 kg
*HD Reach boom, R3.2DB stick, 2.28 m³ GP bucket, 600 mm TG shoes.	
**Mass boom, M2.55TB stick, 2.41 m³ SD bucket, 850 mm TG shoes.	

Swing Mechanism	
Swing Speed	8.9 rpm
Swing Torque	109 kN·m

Sound Performance	
Exterior – ISO 6395	106 dB(A)
Operator – ISO 6396	73 dB(A)

Service Refill Capacities	
Fuel Tank Capacity	620 L
Cooling System	43 L
Engine Oil (with filter)	32 L
Swing Drive (each)	19 L
Final Drive (each)	8 L
Hydraulic System (including tank)	380 L
Hydraulic Tank	175 L
DEF Tank	41 L

Dimensions	
Boom Option	HD Reach Boom 6.50 m
Stick Option	R3.2DB
Shipping Height (with Shoe Lug Height)	3510 mm
Shipping Length	11 160 mm
Tail Swing Radius	3460 mm
Length to Center of Rollers	4040 mm
Track Length	5030 mm
Ground Clearance	
With Shoe Lug Height	510 mm
Without Shoe Lug Height	480 mm
Track Gauge	2590 mm
Transport Width – 600 mm Shoes	3190 mm
Transport Width – 700 mm Shoes	3290 mm
Transport Width – 800 mm Shoes	3390 mm
Transport Width – 850 mm Shoes	3440 mm
Cab Height	3150 mm
Cab Height with Top Guard	3360 mm
Counterweight Clearance (without Shoe Lug Height)	1220 mm

Working Ranges	
Boom Option	HD Reach Boom 6.50 m
Stick Option	R3.2DB
Maximum Digging Depth	7490 mm
Maximum Reach at Ground Level	11 020 mm
Maximum Cutting Height	10 320 mm
Maximum Loading Height	7110 mm
Minimum Loading Height	2610 mm
Maximum Depth Cut for 2440 mm Level Bottom	6820 mm
Maximum Vertical Wall Digging Depth	5500 mm

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