



Cat[®] 336F XE

Hydraulic Excavator

Performance

- Hydraulic hybrid system consumes up to 20% less fuel than standard 336F.
- Max power to implements through the entire digging cycle with no loss of power.
- Cat[®] Work Tools and couplers for a wide range of applications.
- Common linkages between E and F Series support tool interchangeability.
- Tool control option remembers up to 10 tool flows and pressures to increase machine versatility, productivity, and efficiency.
- C9.3 ACERT[™] U.S. EPA Tier 4 Final engine emissions package works without interrupting the job process or operator.
- Engine equipped to run on up to B20 biodiesel fuel for flexibility.
- Three power modes – high, standard, and eco – help manage fuel consumption.

Technology

- Cat Production Measurement standard, bringing payload weighing to the cab and enabling operators to weigh loads “on the go.”
- Cat Grade Control standard, delivering 2D bucket tip elevation guidance to the cab to help operators create precise planes and slopes with ease.
- Optional Cat AccuGrade[™] provides 3D guidance for making complex cuts and contours, eliminating the need for staking and checking.
- Optional Product Link[™]/VisionLink[®] connects owners to the machine, providing access to its location, hours, fuel consumption, idle time, events, and diagnostic codes.

Comfort

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

Durability

- Box-section structures have multiplate fabrications, castings, and forgings in high-stress areas.
- HD booms are standard and built for long service life with the heaviest payloads.
- One-piece cross-roller swing bearing, flange, and elongated bolts maximize clamping load and bearing strength.
- Upper frame built with special mounts to support ROPS cab.
- Lower frame reinforced to enhance component durability.
- Cat XT[™]-6 hydraulic hose handles higher working pressure over longer period of time compared to same-size competitors.
- Service doors, platforms, hardware, and two-piece hood are heavier duty compared to same-size competitors.
- Industrial-grade electrical wiring heavier duty than same-size competitors with built-in diagnostic coding.
- Track shoes, links, rollers, idlers, and final drives are built with high-tensile-strength steel; grease-lubricated track link prevents dirt and debris from entering.

Serviceability

- Routine maintenance items like grease points, fluid taps, and filters are reachable at ground level.
- Side-by-side air-to-air aftercooler and air conditioning condenser for maximum cooling efficiency; high-ambient cooling available.
- Electronic fuel priming pump eases service and minimizes risk of pre-fill contamination.
- Multiple S-O-SSM ports and pressure diagnostic taps help prevent maintenance downtime.

Safety

- Ample handrails, anti-skid plate on steps and top deck platform.
- Standard camera for rear visibility, second camera can be added with both viewable through the monitor at the same time.

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Engine

Engine Model	Cat C9.3 ACERT	
Net Power – SAE J1349	226 kW	303 hp
Gross Power – SAE J1995	239 kW	321 hp
Bore	115 mm	4.53 in
Stroke	149 mm	5.87 in
Displacement	9.3 L	568 in ³

Hydraulic System

Main System – Maximum Flow (Total)	570 L/min	151 gal/min
Swing System – Maximum Flow	276 L/min	73 gal/min
Maximum Pressure – Equipment		
Heavy Lift	37 000 kPa	5,366 psi
Normal	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	31 500 kPa	4,569 psi
Pilot System – Maximum Flow	28 L/min	7 gal/min
Pilot System – Maximum Pressure	4100 kPa	595 psi

Drive

Maximum Travel Speed	4.8 km/h	3.0 mph
Maximum Drawbar Pull	294 kN	66,139 lbf

Machine Weights

Minimum Operating Weight	37 100 kg	81,800 lb
Maximum Operating Weight	39 400 kg	86,900 lb

Swing

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

Service Refill Capacities

Fuel Tank Capacity	620 L	163.8 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	46.2 gal
DEF Tank	41 L	11 gal

Sound Performance

Operator Noise – ISO 6396	73 dB(A)
Spectator Noise – ISO 6395	105 dB(A)

Dimensions

Boom Option	HD Reach Boom 6.50 m (21'4")	
Stick Option	R3.9DB (12'10")	
Shipping Height including Shoe Lug Height	3660 mm	12'0"
Shipping Length	11 170 mm	36'8"
Tail Swing Radius	3490 mm	11'5"
Length to Center of Rollers – Long Undercarriage	4040 mm	13'3"
Track Length – Long Undercarriage	5030 mm	16'6"
Ground Clearance including Shoe Lug Height	510 mm	1'8"
Ground Clearance without Shoe Lug Height	480 mm	1'7"
Track Gauge – Long Undercarriage	2590 mm	8'6"
Transport Width – Long Undercarriage – 850 mm (34") 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	R3.9DB (12'10")	
Maximum Digging Depth	8190 mm	26'10"
Maximum Reach at Ground Level	11 720 mm	38'5"
Maximum Cutting Height	10 740 mm	35'3"
Maximum Loading Height	7500 mm	24'7"
Minimum Loading Height	1910 mm	6'3"
Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7610 mm	25'0"
Maximum Vertical Wall Digging Depth	6310 mm	20'8"

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AEXQ1418

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