



# Cat<sup>®</sup> 340F

## Hydraulic Excavator

### Performance

- The C9.3 ACERT™ engine meets EU Stage IV emission standards.
- The emissions package works behind the scenes without interrupting your job.
- Engine speed control automatically lowers rpm when the machine doesn't need it to help you save fuel.
- Two power modes – standard and eco – and automatic engine idle shutdown help you more actively manage fuel consumption.
- SmartBoom™ technology reduces stress and vibrations transmitted to the machine during rock scraping, hammer work and truck loading resulting in greater productivity and fuel efficiency.
- Major hydraulic components are located close together so shorter tubes and lines can be used, leading to less friction loss, reduced pressure drops, and more power to the ground.
- Heavy lift mode increases machine system pressure to improve lift – a nice benefit in certain situations. Heavy lift mode also reduces engine speed and pump flow in order to improve controllability.

### Comfort

- The full-size roll-over protective structure (ROPS) cab is both quiet and comfortable.
- The automatic climate control system maintains consistent cab temperature.
- Joysticks, armrests, and seats adjust to your preference.
- Seats include heated and cooled options.
- The LED monitor is programmable in 42 languages.
- A drink holder, storage areas, and auxiliary power outlets are in easy-to-reach areas.

### Durability

- Heavy Duty Reach booms and sticks offer you all around versatility for general excavation work like multipurpose digging and loading.
- Mass Excavation boom and sticks provide higher digging forces for heavy material like rock due to special boom and stick geometry, bucket linkage, and cylinders built for greater durability.
- Grease-lubed track for increased undercarriage life.

### Versatility

- Multiple Cat<sup>®</sup> Work Tools – designed specifically for Cat machines – are available for a wide range of applications.
- Cat quick couplers allow you to switch from one tool to another in a matter of minutes.
- Cat tool control remembers pressures and flows for up to 10 tools that can be selected from the monitor so you can quickly get to work after each tool change.

### Serviceability

- Routine maintenance items like grease points, fluid taps, filters, and drain tubes can be reached at ground level.
- Compartment doors are designed to prevent debris entry, and they securely latch in place to enhance ease of service.
- The side-by-side cooling system is efficient and easy to clean, and it is capable of being upgraded for high-ambient conditions.

### Technology

- Product Link™/VisionLink<sup>®</sup> connects owners to their equipment, providing access to its location, hours, fuel consumption, idle time, events, and diagnostic codes.

### Safety

- Roll-over protective structure (ROPS) cab.
- Handrail, anti-skid plating, countersunk bolts to reduce slipping and tripping.
- Four mirrors, standard rearview camera for enhanced visibility.
- Ground-level fuel cut off switch to shut down engine in an emergency.



# Cat® 340F Hydraulic Excavator

## Engine

Engine Model	Cat C9.3 ACERT
Gross Power – SAE J1995	238 kW (324 PS)
Power – ISO 9249 (metric)	228 kW (310 PS)
Power – ISO 14396 (metric)	234 kW (318 PS)
Bore	115 mm
Stroke	149 mm
Displacement	9.3 L

## Hydraulic System

Maximum Flow – Main System	570 L/min
Maximum Flow – Swing System	279 L/min
Maximum Flow – Pilot System	150 L/min
Maximum Flow – Auxiliary Circuit – High Pressure	29 L/min
Maximum Flow – Auxiliary Circuit – Medium Pressure	4100 L/min
Maximum Pressure – Equipment	35 000 kPa
Maximum Pressure – Equipment (heavy lift)	38 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	28 000 kPa
Maximum Pressure – Pilot System	4100 kPa

## Drive

Maximum Gradeability	30°/70%
Maximum Travel Speed	4.8 km/h
Maximum Drawbar Pull	291 kN

## Swing

Swing Speed	8.8 rpm
Swing Torque	109 kN·m

## 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 Oil Capacity (including tank)	380 L
Hydraulic Tank Oil	175 L
DEF Tank	41 L

## Sound Performance

Exterior Sound Power Level – ISO 6395:2008*	106 dB(A)
Operator Sound Pressure Level – ISO 6396:2008	73 dB(A)

\*As per European Union Directive 2000/14/EC as amended by 2005/88/EC.

## Dimensions\*

Boom Options	Reach Boom 6.5 m	Mass Boom 6.18 m
Stick Options	R3.2DB	M2.55TB
Bucket Capacity	2.28 m <sup>3</sup>	2.41 m <sup>3</sup>
Shipping Height (including shoe lug height)	3470 mm	3670 mm
Shipping Length	11 090 mm	10 830 mm
Tail Swing Radius	3500 mm	3500 mm
Length to Center of Rollers	4040 mm	4040 mm
Track Length	5020 mm	5020 mm
Ground Clearance (without shoe lug height)	720 mm	720 mm
Track Gauge	2920 mm	2920 mm
Transport Width – 600 mm Shoes	3670 mm	3670 mm
Transport Width – 850 mm Shoes	3770 mm	3770 mm
Cab Height	3390 mm	3390 mm
Counterweight Clearance (without shoe lug height)	1450 mm	1450 mm

\*Dimensions may vary depending on bucket selection.

## Working Ranges\*

Boom Options	Reach Boom 6.5 m	Mass Boom 6.18 m
Stick Options	R3.2DB	M2.55TB
Bucket Capacity	2.28 m <sup>3</sup>	2.41 m <sup>3</sup>
Maximum Digging Depth	7480 mm	6650 mm
Maximum Reach at Ground Level	11 020 mm	10 260 mm
Maximum Cutting Height	10 310 mm	9970 mm
Maximum Loading Height	7110 mm	6610 mm
Minimum Loading Height	2610 mm	2920 mm
Maximum Depth Cut for 2440 mm Level Bottom	7330 mm	6470 mm
Maximum Vertical Wall Digging Depth	5620 mm	4640 mm
Bucket Digging Force (ISO)	209.7 kN	261.3 kN
Stick Digging Force (ISO)	165.9 kN	190.2 kN

\*Dimensions may vary depending on bucket selection.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

© 2017 Caterpillar  
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

VisionLink is a trademark of Trimble Navigation Limited, registered in the United States and in other countries.

AEXQ1715-02 (09-2017)  
Replaces AEXQ1715-01

