



Cat[®] 340F UHD

Ultra High Demolition Hydraulic Excavator

2017

A high reach demolition machine designed and manufactured by Caterpillar, distributed through the Cat[®] dealer network, offering the same warranty and unmatched product support as any other Cat products.

Performance

- UHD front parts can reach up to 22 m of vertical pin height, capable of carrying 3.6 tons up to 14 m horizontal reach.
- C9.3 ACERT[™] engine meets EU Stage IV emission standards. Engine speed control automatically lowers rpm when the machine doesn't need it to help you save fuel.
- Auto engine idle shutdown helps reduce fuel consumption.
- Three power modes – high, standard, and eco – and auto engine speed control help manage fuel consumption.

Technology and Safety

- Cat active stability monitoring system continuously informs operator of work tool position within the safe working range, and warns him when approaching the stability limit.
- Standard rearview camera gives a clear view on the monitor.
- Cat Product Link[™] and VisionLink[®] enable owners access to location, hours, fuel consumption, idle time, events, and diagnostic codes.

Versatility

- New boom coupling system enables the operator to easily and quickly install or remove high reach and short front parts. New hydraulic pin system safely locks the front parts together.
- Short boom nose can be positioned in either bent or straight position and can be fitted with three stick lengths options.
- Multiple Cat 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 so you can quickly get to work after each tool change.

Comfort

- Demolition cab includes P5A reinforced windshield and top glass, with parallel wipers, as well as front and top Falling Object Guards.
- Enlarged top window offers enhanced upwards visibility.
- Cab can be tilted back to offer a more ergonomic operator position in high reach applications.
- Automatic climate control system helps maintain consistent cab temperature.
- Heated and cooled seat options.
- Joysticks and armrests adjust for operator preference.
- LCD monitor programmable in 44 languages.

Serviceability

- Mesh screens are fitted on side doors to prevent radiators clogging.
- Easy diagnostics and fluids quality monitoring are done thanks to S-O-SSM sampling ports for the hydraulic system, engine oil and coolant.
- Hydraulic oil and engine oil can be fast drained thanks to the QuickEvac[™] drains located in pump compartment.
- Routine maintenance items like grease points, fluid taps, filters, and drain tubes can be reached at ground level. Safe access with ample handrails, anti-skid plate on steps and top deck platform.

Durability

- Structures are purpose built for long service life in demolition applications.
- 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.



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Engine

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

Machine Weight

340F L, UHD Fronts, 600 mm TG HD Tracks	45 500 kg
340F L HVG, UHD Fronts, 600 mm TG HD Tracks	50 800 kg
340F L, 3.2 m Stick, 600 mm TG HD Tracks	44 200 kg
340F L HVG, 3.2 m Stick, 600 mm TG HD Tracks	49 500 kg

Hydraulic System

Main System – Maximum Flow (total)	570 L/min
Swing System – Maximum Flow	139 L/min
Maximum Pressure – Equipment Normal	35 000 kPa
Maximum Pressure – Equipment Heavy Lift	38 000 kPa
Maximum Pressure – Travel	35 000 kPa
Maximum Pressure – Swing	28 000 kPa

Drive

Maximum Drawbar Pull	285 kN
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Swing

Swing Speed	4.4 rpm
Swing Torque	109 kN·m

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 – UHD

Boom	UHD	UHD
Stick	UHD	UHD
Undercarriage	Long	Long HVG
Shipping Height	3520 mm	3570 mm
Shipping Length	15 140 mm	15 140 mm
Cab Height with FOG	3520 mm	3570 mm
Tail Swing Radius	3500 mm	3500 mm
Length to Center of Rollers	4040 mm	4040 mm
Track Length	5040 mm	5040 mm
Ground Clearance	515 mm	485 mm
Counterweight Clearance	1230 mm	1270 mm
Track Gauge – Retracted	2590 mm	2390 mm
Track Gauge – Extended	2590 mm	2820 mm
Track Width – 600 mm – Retracted	3190 mm	2990 mm
Track Width – 600 mm – Extended	3190 mm	3420 mm

Dimensions – Retrofit

Boom	Retrofit – Bent	Retrofit – Bent
Stick	3.2 m	3.2 m
Bucket	2.28 m ³	2.28 m ³
Undercarriage	Long	Long HVG
Shipping Height	3900 mm	3910 mm
Shipping Length	11 390 mm	11 380 mm

Working Ranges – UHD

Front Parts (B-linkage)	UHD	UHD
Undercarriage	Long	Long HVG
Max Weight at Stick Nose*	3.6 ton	3.6 ton
Max Vertical Pin Height*	21 650 mm	21 700 mm
Max Working Pin Height at Stick Nose	18 550 mm**/ 18 860 mm***	18 590 mm**/ 18 850 mm***
Max Horizontal Pin Reach/Height**	13 350 mm/ 12 440 mm	14 040 mm/ 12 160 mm
Max Horizontal Pin Reach/Height***	11 030 mm/ 13 080 mm	11 960 mm/ 12 910 mm

*Over-the-front and over-the-side

**Over-the-front

***Over-the-side

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