

# Product Specifications For 340 Long Reach



## Engine

<b>Net Power - ISO 9249</b>	346 hp
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<b>Net Power - ISO 9249 (DIN)</b>	351 hp (metric)
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<b>Engine Model</b>	C9.3B
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<b>Engine Power - ISO 14396:2002</b>	347 hp
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<b>Engine Power - ISO 14396 (DIN)</b>	352 hp (metric)
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<b>Bore</b>	5 in
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<b>Stroke</b>	6 in
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<b>Displacement</b>	568 in <sup>3</sup>
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<b>Biodiesel Capability</b>	Up to B20 <sup>1</sup>
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<b>Emissions</b>	Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
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<b>Note (1)</b>	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system, and alternator with engine speed at 1,900 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.
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**Note (2)**

<sup>1</sup>Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels\*\* up to: 20% biodiesel FAME (fatty acid methyl ester)\* or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details. \*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer). \*\*Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

## Weights

**Operating Weight** 96500 lb

**Note** Heavy Duty High Wide undercarriage LRE boom, LRE7.1B1 (23'4") stick, General Duty (GD) 0.95 m<sup>3</sup> (1.24 yd<sup>3</sup>) bucket, 850 mm (33") triple grouser shoes, and 10.35 mt (22,800 lb) counterweight.

## Working Ranges & Forces

<b>Maximum Digging Depth</b>	42.8 ft
<b>Boom</b>	LRE Boom 10.6 m (34'9")
<b>Stick</b>	LRE Stick 7.1 m (23'4")
<b>Bucket</b>	GD 0.95 m <sup>3</sup> (1.24 yd <sup>3</sup> )
<b>Maximum Reach at Ground Level</b>	59.3 ft
<b>Maximum Cutting Height</b>	51.3 ft
<b>Maximum Loading Height</b>	41.9 ft
<b>Minimum Loading Height</b>	10.5 ft
<b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b>	42.5 ft
<b>Bucket Digging Force - ISO</b>	31590 lbf

Stick Digging Force - ISO

20750 lbf

## Hydraulic System

Main System - Maximum Flow

560 l/min (148 gal/min)

Maximum Pressure - Equipment

5076 psi

Maximum Pressure - Equipment - Lift Mode

5511 psi

Maximum Pressure - Travel

5076 psi

Maximum Pressure - Swing

4264 psi

## Swing Mechanism

Maximum Swing Torque

105,471 lbf-ft

## Service Refill Capacities

Fuel Tank Capacity

158.5 gal (US)

Cooling System

10.5 gal (US)

Engine Oil

8.5 gal (US)

Swing Drive

4.8 gal (US)

Final Drive - Each

2.1 gal (US)

Hydraulic System - Including Tank

98.5 gal (US)

Hydraulic Tank

42.5 gal (US)

DEF Tank

21.1 gal (US)

## Dimensions

Boom

LRE Boom 10.6 m (34'9")

<b>Stick</b>	LRE Stick 7.1 m (23'4")
<b>Bucket</b>	GD 0.95 m <sup>3</sup> (1.24 yd <sup>3</sup> )
<b>Shipping Height - Top of Cab</b>	11.2 ft
<b>Handrail Height</b>	11.1 ft
<b>Shipping Length</b>	50.3 ft
<b>Tail Swing Radius</b>	11.6 ft
<b>Counterweight Clearance</b>	4.8 ft
<b>Ground Clearance</b>	2.3 ft
<b>Track Length</b>	16.5 ft
<b>Track Length to Center of Rollers</b>	13.3 ft
<b>Track Gauge</b>	9.6 ft
<b>Transport Width</b>	12.4 ft

## Air Conditioning System

<b>Air Conditioning</b>	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1 kg (2.2 lb) of refrigerant which has a CO2 equivalent of 1.430 metric tonnes (1.576 tons).
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## 340 Long Reach Standard Equipment

### NOTE:

Not all features are available in all regions. Please check with your local Cat dealer for specific offering availability in your area.

### BOOM AND STICK

10.6 m (34'9") LRE boom

7.1 m (23'4") LRE stick

## **CAB**

Sound suppression  
High-resolution 254 mm (10") LCD touch screen monitor  
Heated seat with air-adjustable suspension (Deluxe)  
Heated and cooled seat with auto adjustable suspension (Premium)  
Tilt-up left console  
Auto bi-level air conditioner  
Jog dial and shortcut keys for monitor control  
Bluetooth® integrated radio

## **CAT TECHNOLOGY**

VisionLink®  
Remote Flash  
Remote Troubleshoot  
Cat Grade 2D  
Cat Assist  
Cat Payload

## **ELECTRICAL SYSTEM**

Maintenance-free 1,000 CCA batteries  
Centralized electrical disconnect switch  
LED lights

## **ENGINE**

Three selectable modes: Power, Smart, Eco  
Auto engine speed control  
52°C (126°F) high-ambient cooling capacity  
-18°C (0°F) cold start capability  
Double element air filter with integrated pre-cleaner

## **HYDRAULIC SYSTEM**

Boom and stick regeneration circuit  
Electronic main control valve  
Heavy lift mode  
Auto hydraulic oil warmup  
Auto swing parking brake  
Reverse swing damping valve  
Two speed travel

## **SAFETY AND SECURITY**

2D E-Fence  
Caterpillar One Key security system  
Lockable external tool / storage box  
Lockable door, fuel and hydraulic tanks

Lockable fuel drain compartment  
Service platform with anti-skid plate and recessed bolts  
RH handrail and hand hold  
Signaling / warning horn  
Ground-level secondary engine shutoff switch  
Lockable disconnect switch

## **SERVICE AND MAINTENANCE**

Integrated vehicle health management system  
Grouped location of engine oil & fuel filters  
Sampling ports for Scheduled Oil Sampling (S·O·S<sup>SM</sup>)

## **UNDERCARRIAGE AND STRUCTURES**

HD High Wide undercarriage  
10,350 kg (22,800 lb) counterweight  
Grease lubricated track

## **340 Long Reach Optional Equipment**

### **NOTE**

Standard and optional equipment may vary. Consult your Cat dealer for details.

### **CAB**

Cat Stick Steer

### **CAT TECHNOLOGY**

VisionLink Productivity  
Cat Grade Connectivity  
Cat Grade 2D with Attachment Ready Option (ARO)  
Cat Grade 3D single GNSS  
Cat Grade 3D dual GNSS

### **ENGINE**

Cold start block heaters  
Hydraulic reversing fan  
-32°C (-25°F) cold start capability

### **HYDRAULIC SYSTEM**

SmartBoom™ (Europe only)  
Combined two-way auxiliary circuit with direct return  
Medium-pressure auxiliary circuit  
Quick coupler circuit for Cat Pin Grabber and CW Dedicated

### **SAFETY AND SECURITY**

Cat Command (remote control)  
Boom lowering check valve (standard in Europe)  
Stick lowering check valve (standard in Europe)  
Travel alarm (standard in North America)  
Swing alarm  
360° visibility

## **SERVICE AND MAINTENANCE**

Electric refueling pump with automatic shutoff  
QuickEvac™ maintenance ready

## **UNDERCARRIAGE AND STRUCTURES**

600mm (24") HD triple grouser track shoes  
600mm (24") double grouser track shoes  
700mm (28") triple grouser track shoes  
850mm (33") triple grouser track shoes