

# Product Specifications For 340 - Tier 4 / Stage V



## Engine

|                                       |                                                                                                                                                                                                                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Net Power - ISO 9249</b>           | 346 hp                                                                                                                                                                                                                                                                          |
| <b>Net Power - ISO 9249 (DIN)</b>     | 351 hp (metric)                                                                                                                                                                                                                                                                 |
| <b>Engine Model</b>                   | Cat C9.3B                                                                                                                                                                                                                                                                       |
| <b>Engine Power - ISO 14396</b>       | 347 hp                                                                                                                                                                                                                                                                          |
| <b>Engine Power - ISO 14396 (DIN)</b> | 352 hp (metric)                                                                                                                                                                                                                                                                 |
| <b>Bore</b>                           | 5 in                                                                                                                                                                                                                                                                            |
| <b>Stroke</b>                         | 6 in                                                                                                                                                                                                                                                                            |
| <b>Displacement</b>                   | 568 in <sup>3</sup>                                                                                                                                                                                                                                                             |
| <b>Biodiesel Capability</b>           | Up to B20 <sup>1</sup>                                                                                                                                                                                                                                                          |
| <b>Emissions</b>                      | Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.                                                                                                                                                                                                     |
| <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 2,000 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture. |

**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.

## Hydraulic System

|                            |             |
|----------------------------|-------------|
| Main System - Maximum Flow | 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

|             |            |
|-------------|------------|
| Swing Speed | 8.84 r/min |
|-------------|------------|

|                      |               |
|----------------------|---------------|
| Maximum Swing Torque | 105214 ft·lbf |
|----------------------|---------------|

## Weights

|                  |          |
|------------------|----------|
| Operating Weight | 83100 lb |
|------------------|----------|

## Service Refill Capacities

|                    |                |
|--------------------|----------------|
| Fuel Tank Capacity | 158.5 gal (US) |
|--------------------|----------------|

|                |               |
|----------------|---------------|
| Cooling System | 10.5 gal (US) |
|----------------|---------------|

|            |              |
|------------|--------------|
| Engine Oil | 8.5 gal (US) |
|------------|--------------|

|                    |              |
|--------------------|--------------|
| Swing Drive - Each | 4.8 gal (US) |
|--------------------|--------------|

|                                          |               |
|------------------------------------------|---------------|
| <b>Final Drive - Each</b>                | 2.1 gal (US)  |
| <b>Hydraulic System - Including Tank</b> | 98.5 gal (US) |
| <b>Hydraulic Tank</b>                    | 42.5 gal (US) |
| <b>DEF Tank</b>                          | 21.1 gal (US) |

## Dimensions

|                                             |                       |
|---------------------------------------------|-----------------------|
| <b>Boom</b>                                 | Reach 6.5 m (21'4")   |
| <b>Stick</b>                                | Reach 3.9 m (12'10")  |
| <b>Bucket</b>                               | HD 2.36 m³ (3.08 yd³) |
| <b>Shipping Height - Top of Cab</b>         | 10.5 ft               |
| <b>Handrail Height</b>                      | 10.5 ft               |
| <b>Shipping Length</b>                      | 36.8 ft               |
| <b>Tail Swing Radius</b>                    | 11.7 ft               |
| <b>Counterweight Clearance</b>              | 4.2 ft                |
| <b>Ground Clearance</b>                     | 1.8 ft                |
| <b>Track Length</b>                         | 16.6 ft               |
| <b>Track Length to Center of Rollers</b>    | 13.3 ft               |
| <b>Track Gauge</b>                          | 9 ft                  |
| <b>Transport Width - 850 mm (33") Shoes</b> | 11.9 ft               |

## Working Ranges & Forces

|                              |         |
|------------------------------|---------|
| <b>Maximum Digging Depth</b> | 26.9 ft |
|------------------------------|---------|

|                                                          |                                                |
|----------------------------------------------------------|------------------------------------------------|
| <b>Boom</b>                                              | Reach 6.5 m (21'4")                            |
| <b>Stick</b>                                             | Reach 3.9 m (12'10")                           |
| <b>Bucket</b>                                            | HD 2.36 m <sup>3</sup> (3.08 yd <sup>3</sup> ) |
| <b>Maximum Reach at Ground Level</b>                     | 38.6 ft                                        |
| <b>Maximum Cutting Height</b>                            | 35.3 ft                                        |
| <b>Maximum Loading Height</b>                            | 24.5 ft                                        |
| <b>Minimum Loading Height</b>                            | 6.2 ft                                         |
| <b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b> | 26.5 ft                                        |
| <b>Maximum Vertical Wall Digging Depth</b>               | 21.1 ft                                        |
| <b>Bucket Digging Force - ISO</b>                        | 47190 lbf                                      |
| <b>Stick Digging Force - ISO</b>                         | 32480 lbf                                      |

## 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 1.00 kg of refrigerant, which has a CO2 equivalent of 1.430 metric tonnes. |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 340 - Tier 4 / Stage V Standard Equipment

### NOTE

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

### CAT TECHNOLOGY

VisionLink®

Remote Flash

Remote Troubleshoot

Compatibility with radios and base stations from Trimble, Topcon, and Leica

Capability to install 3D grade systems from Trimble, Topcon, and Leica

Cat Grade 2D

Cat Assist  
Cat Payload  
Auto hammer stop  
Work tool recognition (PL161)  
Work tool tracking (PL161)

## **ELECTRICAL SYSTEM**

Maintenance-free 1,000 CCA batteries (x2)  
Centralized electrical disconnect switch  
LED exterior chassis and boom lights

## **ENGINE**

Three selectable modes: Power, Smart, Eco  
Auto engine speed control  
- 18° C (0° F) cold start capability  
Double element air filter with integrated pre-cleaner  
Remote disable

## **HYDRAULIC SYSTEM**

Boom and stick regeneration circuit  
Electronic main control valve  
Auto heavy lift  
Auto dig boost  
Auto hydraulic oil warmup  
Bio hydraulic oil capability  
Fine swing  
Reverse swing damping valve  
Auto swing parking brake  
High performance hydraulic return filter  
Two speed travel

## **SAFETY AND SECURITY**

Cat E-Fence  
Caterpillar One Key security system  
Lockable external tool / storage box  
Lockable door, fuel, and hydraulic tank locks  
Lockable fuel drain compartment  
Lockable disconnect switch  
Service platform with anti-skid plate & recessed bolts  
RH handrail and handhold  
Signaling / warning horn  
Ground-level secondary engine shutoff switch  
Rearview camera  
Inspection Lighting

## **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**

Towing eye on base frame  
Swivel guard  
HD bottom guard  
HD travel motor guards  
Grease lubricated track  
HD swing frame  
HD swing bearing  
7.56 mt (16,667 lb) counterweight

## **DELUXE CAB**

High-resolution 203 mm (8") LCD touchscreen monitor  
Auto bi-level air conditioner  
Jog dial and shortcut keys for monitor control  
Keyless push-to-start engine control  
Height-adjustable console  
Tilt-up left-side console  
Heated air-suspension seat  
Monitor integrated Bluetooth radio with USB/Aux ports  
12V DC outlets  
Document storage  
Overhead storage and rear storage with nets  
Beverage holder  
Cup holder  
Openable two-piece front window  
Rear window emergency exit  
Radial wiper with washer  
Openable polycarbonate skylight hatch  
LED dome light  
Floor welcome light  
Roof sunscreen  
Roller front sunscreen  
Washable floor mat  
Beacon ready

## **PREMIUM CAB**

High-resolution 254 mm (10") LCD touchscreen monitor  
Auto bi-level air conditioner  
Jog dial and shortcut keys for monitor control  
Keyless push-to-start engine control  
Height-adjustable console  
Tilt-up left-side console  
Heated and ventilated air-suspension seat

Monitor integrated Bluetooth radio with USB/Aux ports  
12V DC outlets  
Document storage  
Overhead storage and rear storage with nets  
Beverage holder  
Cup holder  
Openable two-piece front window  
Rear window emergency exit  
Parallel wiper  
Openable polycarbonate skylight hatch  
LED dome light  
Floor welcome light  
Roof sunscreen  
Roller front sunscreen  
Washable floor mat  
Beacon ready

## **340 - Tier 4 / Stage V Optional Equipment**

### **NOTE**

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

### **BOOMS AND STICKS**

6.18 m (20'3") Mass boom  
6.5 m (21'4") HD Reach boom  
2.55 m (8'4") Mass stick  
2.8 m (9'2") HD Reach stick  
3.2 m (10'6") HD Reach stick  
3.9 m (12'10") HD Reach stick  
TB family bucket linkage with/without lifting eye  
DB family bucket linkage with/without lifting eye

### **CAT TECHNOLOGY**

Cat Grade Connectivity  
Cat Grade 2D with Attachment Ready Option (ARO)  
Cat Grade with 3D single GNSS  
Cat Grade with 3D dual GNSS  
Cat Tilt Rotator (TRS) Integration  
Operator Coaching

### **ELECTRICAL SYSTEM**

Maintenance-free 1,000 CCA batteries (x4)

### **ENGINE**

Oil level sensor

Battery-operated engine heater  
Cold start block heater  
52°C (126°F) high-ambient cooling  
Hydraulic reverse fan  
-32°C (-25°F) cold start capability

## **HYDRAULIC SYSTEM**

Single one-way circuit  
Combined two-way circuit  
Hydraulic efficiency monitoring

## **SAFETY AND SECURITY**

Cat Detect - People Detection  
Cat Command remote control  
Swing alarm  
Boom lowering check valve  
Stick lowering check valve

## **UNDERCARRIAGE AND STRUCTURES**

Full-length track guiding guards  
Segmented two-piece track guiding guards  
HD rollers  
600 mm (24") double grouser, triple grouser, HD triple grouser track shoes  
700 mm (28") triple grouser track shoes  
800 mm (31") triple grouser track shoes  
850 mm (33") triple grouser track shoes

## **DELUXE CAB**

High-resolution 254 mm (10") LCD touchscreen monitor  
Roller rear sunscreen  
Cat Stick Steer  
Auxiliary relay

## **PREMIUM CAB**

One-piece front windshield  
Cat Stick Steer  
Auxiliary relay