

Product Specifications For 340



Engine

Net Power - ISO 9249	346 hp
-----------------------------	--------

Net Power - ISO 9249 (DIN)	351 hp (metric)
-----------------------------------	-----------------

Engine Model	Cat C9.3B
---------------------	-----------

Engine Power - ISO 14396	347 hp
---------------------------------	--------

Engine Power - ISO 14396 (DIN)	352 hp (metric)
---------------------------------------	-----------------

Bore	5 in
-------------	------

Stroke	6 in
---------------	------

Displacement	568 in ³
---------------------	---------------------

Biodiesel Capability	Up to B20 ¹
-----------------------------	------------------------

Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
------------------	---

Note (1)	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) ¹Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to: 20% biodiesel FAME (fatty acid methyl ester)*** 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. *While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use. ** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels. *** Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Weights

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

Working Ranges And Forces

Maximum Digging Depth	26.9 ft
Boom	Reach 6.5 m (21'4")
Stick	Reach 3.9 m (12'10")
Bucket	HD 2.36 m³ (3.08 yd³)
Maximum Reach at Ground Level	38.6 ft
Maximum Cutting Height	35.3 ft
Maximum Loading Height	24.5 ft
Minimum Loading Height	6.2 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	26.5 ft
Maximum Vertical Wall Digging Depth	21.1 ft
Bucket Digging Force - ISO	47190 lbf·ft
Stick Digging Force - ISO	32480 lbf·ft

Hydraulic System

Main System - Maximum Flow	148 gpm
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	105214 lbf·ft
----------------------	---------------

Note (1)

*For CE-marked machine default value may be set lower

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)
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	Reach 6.5 m (21'4")
------	---------------------

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

Air Conditioning System

Air Conditioning	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas. If equipped with R134a (Global Warming Potential = 1430), the system contains 1.000 kg (2.205lb.) of refrigerant, which has a CO2 equivalent of 1.430 metric tonnes (1.576 tons). If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.790 kg (1.742 lb.) of refrigerant, which has a CO2 equivalent of 0.001 metric tonnes (0.001 tons).
-------------------------	--

340 Standard Equipment

NOTE

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

CAT TECHNOLOGY

VisionLink™

Remote Flash

Remote Troubleshoot

Operator Coaching

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

Capability with 3D grade systems from Trimble, Topcon, and Leica

Cat Grade with 2D

Cat Assist (Grade, Boom, Bucket, Swing, Lift)

Cat Payload (On-the-go weighing, Semiautomatic calibration, Payload/cycle information, USB Reporting Capability)

Work tool recognition and tracking (Requires PL161 attachment locator on work tool and Bluetooth receiver on machine)

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·SSM)

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

Beacon ready
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

340 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

VisionLink™ back office reporting
Cat Grade Connectivity
Cat Grade 2D with Attachment Ready Option (ARO)
Cat Grade with 3D (single or dual GNSS)

Cat Grade 3D Ready
GNSS antennae
Laser catcher
Cat Tilt Rotator (TRS) Integration
Operator Coaching
Advanced Payload (Daily totals, Custom lists, Smart weight target, E-ticket Integration)

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