

Product Specifications For 350



Engine

Net Power - ISO 9249	308 kW
Net Power - ISO 9249 (DIN)	419 hp (metric)
Engine Model	C9.3 B
Engine Power - ISO 14396	309 kW
Engine Power - ISO 14396 (DIN)	420 hp (metric)
Bore	115 mm
Stroke	149 mm
Displacement	9.3 l
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 1,800 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	46000 kg
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Working Ranges And Forces

Maximum Digging Depth	8210 mm
Boom	Reach 6.9 m (22'8")
Stick	Reach 3.9 m (12'10")
Bucket	GDC 3.08 m³ (4.03 yd³)
Maximum Reach at Ground Level	12150 mm
Maximum Cutting Height	10690 mm
Maximum Loading Height	7390 mm
Minimum Loading Height	2190 mm
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	8080 mm
Maximum Vertical Wall Digging Depth	5840 mm
Bucket Digging Force - ISO	268 kN
Stick Digging Force - ISO	183 kN

Hydraulic System

Main System - Maximum Flow	779 L/min
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Equipment - Lift Mode	38000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	25700 kPa

Swing Mechanism

Maximum Swing Torque	189 kN·m
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Note (1)

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

Service Refill Capacities

Fuel Tank Capacity	680 l
Cooling System	48 l
Engine Oil	32 l
Swing Drive	15 l
Final Drive - Each	11 l
Hydraulic System - Including Tank	550 l
Hydraulic Tank	217 l
DEF Tank	80 l

Dimensions

Boom	Reach 6.9 m (22'8")
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Stick	Reach 3.9 m (12'10")
Bucket	GDC 3.08 m³ (4.03 yd³)
Shipping Height - Top of Cab	3260 mm
Handrail Height	3400 mm
Shipping Length	11800 mm
Tail Swing Radius	3760 mm
Counterweight Clearance	1340 mm
Ground Clearance	520 mm
Track Length	5400 mm
Track Length to Center of Rollers	4360 mm
Track Gauge	2740 mm
Transport Width - 600 mm (24") Shoes	3340 mm

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 (2.205 lb.) 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 0.810 kg (1.786 lb.) of refrigerant, which has a CO2 equivalent of 0.001 metric tonnes (0.001 tons).
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350 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 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)

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

52° C (126° F) high-ambient cooling capacity

Hydraulic reverse fan (optional in Europe)

- 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

Auto hydraulic oil warmup

Auto dig boost

Auto heavy lift

Auto swing parking brake

High performance hydraulic return filter

Bio hydraulic oil capability

Two speed travel

SAFETY AND SECURITY

E-Fence

Auto hammer stop

Caterpillar One Key security system

Lockable external tool / storage box

Lockable door, fuel, and hydraulic tank locks

Lockable fuel drain compartment

Service platform with anti-skid plate & recessed bolts

RH handrail and handhold

Signaling / warning horn

Ground-level secondary engine shutoff switch
Rearview camera
Lockable disconnect switch
Inspection lighting

SERVICE AND MAINTENANCE

Integrated vehicle health management system
Grouped location of engine oil & fuel filters
Scheduled Oil Sampling (S.O.S) ports

UNDERCARRIAGE AND STRUCTURES

Towing eye on base frame
9 mt (19,842 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
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
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

350 Optional Equipment

NOTE

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

BOOMS AND STICKS

6.55 m (21'6") Mass boom
6.9 m (22'8") Reach boom
2.5 m (8'2") Mass stick
2.9 m (9'6") Reach stick
3.0 m (9'10") Mass stick
3.35 m (11') Reach stick
3.9 m (12'10") Reach stick

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)

ENGINE

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

HYDRAULIC SYSTEM

Combined two-way auxiliary circuit
Hydraulic efficiency monitoring

SAFETY AND SECURITY

Swing alarm

SERVICE AND MAINTENANCE

Electric refueling pump with auto shutoff

UNDERCARRIAGE AND STRUCTURES

600 mm (24") double grouser, HD double grouser track shoes
750 mm (30") triple grouser track shoes
900 mm (35") 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