

Product Specifications For 352



Engine

Net Power - ISO 9249	443 hp
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Net Power - ISO 9249 (DIN)	449 hp (metric)
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Engine Model	Cat C13B
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Engine Power - ISO 14396	445 hp
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Engine Power - ISO 14396 (DIN)	451 hp (metric)
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Bore	5 in
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Stroke	6 in
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Displacement	763 in ³
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Biodiesel Capability	Up to B20 ¹
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Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
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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 1,700 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.
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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	107800 lb
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Working Ranges And Forces

Maximum Digging Depth	26.11 ft
Boom	Reach 6.9 m (22'8")
Stick	Reach 3.9 m (12'10")
Bucket	HD 3.3 m³ (4.32 yd³)
Maximum Reach at Ground Level	39.9 ft
Maximum Cutting Height	35.2 ft
Maximum Loading Height	24.4 ft
Minimum Loading Height	7.3 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	26.6 ft
Maximum Vertical Wall Digging Depth	19.3 ft
Bucket Digging Force - ISO	60000 lbf·ft
Stick Digging Force - ISO	41100 lbf·ft

Hydraulic System

Main System - Maximum Flow	779 l/min (206 gal/min)
Maximum Pressure - Equipment	5076 psi
Maximum Pressure - Equipment - Lift Mode	5511 psi
Maximum Pressure - Travel	5076 psi
Maximum Pressure - Swing	3771 psi

Swing Mechanism

Maximum Swing Torque	139000 lbf·ft
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Note (1)

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

Service Refill Capacities

Fuel Tank Capacity	188.9 gal (US)
Cooling System	13.7 gal (US)
Engine Oil	10.6 gal (US)
Swing Drive	2.8 gal (US)
Final Drive - Each	2.5 gal (US)
Hydraulic System - Including Tank	145.3 gal (US)
Hydraulic Tank	57.3 gal (US)
DEF Tank	21.1 gal (US)

Dimensions

Boom	Reach 6.9 m (22'8")
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Stick	Reach 3.9 m (12'10")
Bucket	HD 3.3 m³ (4.32 yd³)
Shipping Height - Top of Cab	10.7 ft
Handrail Height	11.1 ft
Shipping Length	39.1 ft
Tail Swing Radius	12.4 ft
Counterweight Clearance	4.2 ft
Ground Clearance	1.7 ft
Track Length	17.7 ft
Track Length to Center of Rollers	14.4 ft
Track Gauge	9 ft
Transport Width	11.11 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 kg (2.2 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 0.85 kg (1.87 lb) of refrigerant which has a CO2 equivalent of 0.001 metric tonnes (0.001 tons).
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352 Standard Equipment

NOTE

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

CAB

High-resolution LCD touch screen monitor
Heated seat with air-adjustable suspension (Deluxe only)
Heated and cooled seat with auto adjustable suspension (Premium only)

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 1000 CCA batteries (x2)
Centralized electrical disconnect switch
LED lights

ENGINE

Three selectable modes: Power, Smart, and Eco
Auto engine speed control
Up to 4500m (14,760 ft) altitude capability
52° C (126° F) high-ambient cooling capacity
-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 hydraulic oil warmup
Auto swing parking brake
High performance hydraulic return filter
Two speed travel
Bio hydraulic oil capability

SAFETY AND SECURITY

E-Fence
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
Rear and right-hand-sideview cameras
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

352 Optional Equipment

NOTE

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

BOOMS AND STICKS

7.4m (24'2") Long Reach boom
6.9m (20'3") Reach boom
6.55m (21'6") Mass boom
4.3 m (14'1") Long Reach stick
3.9m (12'10") Reach stick
3.35m (11'0") Reach stick
3.0m (9'10") Mass stick
2.9m (9'6") Reach stick
2.5m (8'2") Mass stick

CAB

Cat Stick Steer
Auxiliary relay

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)
Submarine Grade waterproof Cat Grade to 25 m (82')

ELECTRICAL SYSTEM

Premium surround lighting package

ENGINE

Cold start block heaters

-32° C (-25° F) cold start capability

Inlet air heater

Engine oil sensor

HYDRAULIC SYSTEM

Smart Boom

Auto heavy lift

Combined two-way auxiliary circuit with direct return

Medium-pressure auxiliary circuit

Quick coupler circuit

Hydraulic efficiency monitoring

SAFETY AND SECURITY

Cat Command remote control

360° Visibility

Operator Protective Guards (OPG)

SERVICE AND MAINTENANCE

Electric refueling pump with auto shutoff

UNDERCARRIAGE AND STRUCTURES

Fixed gauge undercarriage

Variable gauge undercarriage

High wide undercarriage on LRE only

600mm (24") double grouser track shoes

600mm (24") triple grouser track shoes

750mm (30") triple grouser track shoes

900mm (35") triple grouser track shoes