

Product Specifications For 374 - Tier 4 / Stage V



Engine

Net Power - ISO 9249	361 kW
Net Power - ISO 9249 (DIN)	491 hp (metric)
Engine Model	Cat C15
Engine Power - ISO 14396	362 kW
Engine Power - ISO 14396 (DIN)	492 hp (metric)
Bore	137 mm
Stroke	171 mm
Displacement	15.2 l
Biodiesel Capability	Up to B20 ¹
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, Korea 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 1,700 rpm. Advertised power is tested per the specified standard in effect at 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) 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 - Implement

896 l/min

Maximum Pressure - Equipment

37000 kPa

Maximum Pressure - Equipment - Lift Mode

38000 kPa

Maximum Pressure - Travel

35000 kPa

Maximum Pressure - Swing

35000 kPa

Swing Mechanism

Maximum Swing Torque

298 kN·m

Note (1)

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

Weights

Operating Weight

73890 kg

Note

Long Variable Gauge undercarriage, Reach boom, R4.67VB (15'4") stick, SD 3.3 m³ (4.32 yd³) bucket, 900 mm (35") HD double grouser shoes and removal type counterweight.

Service Refill Capacities

Fuel Tank Capacity

920 l

Cooling System	71 l
Engine Oil	62 l
Swing Drive	20 l
Final Drive - Each	32 l
Hydraulic System - Including Tank	620 l
Hydraulic Tank	326 l
DEF Tank	80 l

Dimensions

Boom	Reach 7.8m (25'7")
Stick	R3.6m (11'10")
Bucket	SD 3.3 m³ (4.32 yd³)
Shipping Height - Top of Cab	3559 mm
Handrail Height	3982 mm
Shipping Length	13652 mm
Tail Swing Radius	4171 mm
Counterweight Clearance	1494 mm
Ground Clearance	782 mm
Track Length	5873 mm

Track Length to Center of Rollers	4705 mm
Track Gauge	3410 mm
Transport Width	3400 mm
Note	Track gauge undercarriage extended with 650 mm (26") shoes; transport width undercarriage retracted with 650 mm (26") shoes and no steps

Working Ranges And Forces

Maximum Digging Depth	8570 mm
Boom	Reach 7.8m (25'7")
Stick	R3.6m (11'10")
Bucket	SD 3.3 m ³ (4.32 yd ³)
Maximum Reach at Ground Level	13160 mm
Maximum Cutting Height	12550 mm
Maximum Loading Height	8430 mm
Minimum Loading Height	3310 mm
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	8440 mm
Maximum Vertical Wall Digging Depth	6910 mm
Bucket Digging Force - ISO	358 kN
Stick Digging Force - ISO	295 kN

Air Conditioning System

Air Conditioning

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.00 kg (2.2lb) of refrigerant, which has a CO2 equivalent of 1.430 metric tonnes (1.576 tons).

374 - Tier 4 / Stage V Standard Equipment

NOTE

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

CAB

High-resolution 254 mm (10") LCD touch screen monitor
Heated seat with air-adjustable suspension (Deluxe only)
Heated and cooled seat with auto adjustable suspension (Premium only)
Sound suppressed cab with viscous mounts
Automatic bi-level air conditioner
Jog dial and shortcut keys for monitor control
Keyless push-to-start engine control
Height-adjustable console, infinite with no tool
Tilt-up left-side console
51 mm (2") orange seat belt
Bluetooth integrated radio (including USB, aux port and microphone)
2 x 12V DC outlets
Document storage
Rear head storage net and lunchbox storage net
Cup and bottle holders
Openable two-piece front window
Upper radial wiper with washer
Parallel wiper with washer (Premium only)
Openable polycarbonate skylight hatch (Premium only)
LED dome light
Floor welcome light
Roller front sunscreen
Roller rear sunscreen (Premium standard)
Rear window emergency exit
Washable floor mat
Beacon Ready

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)

ELECTRICAL SYSTEM

Maintenance-free 1,400 CCA batteries (x2)

Centralized electrical disconnect switch

Chassis light

Exterior lights (integrated into storage box)

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 (-0.4°F) cold start capability

Hydraulic reverse fan

Double element air filter with integrated pre-cleaner

3 vertical side-by-side cooling system

95 Amp alternator

HYDRAULIC SYSTEM

Boom and stick regeneration circuit

Electronic main control valve

Dedicated closed loop swing circuit

Auto heavy lift

Auto hydraulic oil warmup

Auto swing parking brake

High performance hydraulic return filter

Two speed travel

Bio hydraulic oil capability

SAFETY AND SECURITY

Caterpillar One Key security system

Lockable external tool / storage box

Lockable door, fuel, and hydraulic tank locks

Lockable disconnect switch

Service platform with anti-skid plate & recessed bolts

Right hand handrail and hand hold (ISO 2867:2011 compliant)

Visibility mirror package

Signaling/warning horn

Ground-level secondary engine shutoff switch

Rearview and right-hand-sideview cameras

Walkway
Travel alarm (North America only)
2D E-Fence (E-ceiling, E-floor, E-swing, E-wall, E-cab avoidance)
Auto hammer stop

SERVICE AND MAINTENANCE

Integrated vehicle health management system
Auto lube ready
Grouped location of engine oil & fuel filters
Sampling ports for Scheduled Oil Sampling (S·O·SSM)
QuickEvac maintenance ready

UNDERCARRIAGE AND STRUCTURES

Long variable gauge undercarriage
Swivel guard
Grease lubricated track
Standard counterweight
HD bottom guard
HD travel motor guard
HD travel motor guard

374 - Tier 4 / Stage V Optional Equipment

NOTE

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

BOOMS AND STICKS

7.0m (23') Mass boom
7.8m (25'7") Reach boom
2.57m (8'5") Mass stick
2.84m (9'4") Reach stick
3.0m (9'10") Mass stick
3.6m (11'10") Reach stick
4.15m (15'4") Reach stick
4.67m (15'4") Reach stick
Bucket Linkage, VB family with lifting eye, Cat® Grade
Bucket Linkage, VB family without lifting eye, Cat® Grade
Bucket Linkage, WB family with lifting eye, Cat® Grade
Bucket Linkage, WB family without lifting eye, Cat® Grade

CAB

Cat® Stick Steer
Auxiliary relay
Additional high-resolution LCD touch screen monitor for Cat® Grade Advanced 2D and 3D
Roller rear sunscreen (Deluxe)

Radial lower wiper
Joystick with horizontal sliders
LH/RH electrical pedal for tool control
Dual exit rear window kit
Front windshield laminated glass (P5A glass, EU demolition regulation)
Cab/Operator Protective Guards (OPG) (not compatible with cab light cover, rain protector)
Mesh guard full front (not compatible with cab light, cover, rain protector)
Mesh guard lower half front
Rain protector for front windshield plus cab light cover
Full protecting vandalism guard

CAT TECHNOLOGY

VisionLink® Productivity
VisionLink® Productivity 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

1,800 lumen LED premium surround lights
LED boom and cab lights

ENGINE

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

HYDRAULIC SYSTEM

Hydraulic efficiency monitoring
Advanced tool control
Medium-pressure auxiliary circuit
Quick coupler circuit

SAFETY AND SECURITY

Travel alarm
Swing alarm
360° visibility
Boom lowering check valve
Stick lowering check valve
Inspection lighting
Tilt-up walkway

Bluetooth key fob

76mm (3") retractable seat belt

SERVICE AND MAINTENANCE

Electric refueling pump with auto shutoff

UNDERCARRIAGE AND STRUCTURES

Three-piece segmented track guiding guards

Two-piece segmented track guiding guards

Counterweight with removal device

650mm (26") HD double grouser track shoes

750mm (30") HD double grouser track shoes

900mm (35") HD double grouser track shoes