

Product Specifications For 374 - Tier 4 / Stage V



Engine

Net Power - ISO 9249	484 hp
Net Power - ISO 9249 (DIN)	491 hp (metric)
Engine Model	Cat C15
Engine Power - ISO 14396	485 hp
Engine Power - ISO 14396 (DIN)	492 hp (metric)
Bore	5.4 in
Stroke	6.7 in
Displacement	928 in ³
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.

Weights

Operating Weight	162900 lb
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Note	Long Variable Gauge undercarriage, Reach boom, R4.67VB (15'4") stick, SD 3.3 m ³ (4.32 yd ³) bucket, 900 mm (35") HD double grouser shoes and removal type counterweight.
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Working Ranges And Forces

Maximum Digging Depth	28.1 ft
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	43.2 ft
Maximum Cutting Height	41.2 ft
Maximum Loading Height	27.7 ft
Minimum Loading Height	10.1 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	27.8 ft
Maximum Vertical Wall Digging Depth	22.8 ft

Bucket Digging Force - ISO	80550 lbf·ft
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Stick Digging Force - ISO	66390 lbf·ft
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Hydraulic System

Main System - Maximum Flow - Implement	237 gal/min
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Maximum Pressure - Equipment	5366 psi
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Maximum Pressure - Equipment - Lift Mode	5511 psi
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Maximum Pressure - Travel	5076 psi
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Maximum Pressure - Swing	5076 psi
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Swing Mechanism

Maximum Swing Torque	220000 lbf·ft
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Note (1) *For CE-marked machine default value may be set lower

Service Refill Capacities

Fuel Tank Capacity	243 gal (US)
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Cooling System	19 gal (US)
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Engine Oil	16 gal (US)
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Swing Drive	5 gal (US)
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Final Drive - Each	9 gal (US)
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Hydraulic System - Including Tank	164 gal (US)
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Hydraulic Tank	86 gal (US)
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DEF Tank	21 gal (US)
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Dimensions

Boom	Reach 7.8m (25'7")
Stick	R3.6m (11'10")
Bucket	SD 3.3 m ³ (4.32 yd ³)
Shipping Height - Top of Cab	11.8 ft
Handrail Height	13 ft
Shipping Length	44.9 ft
Tail Swing Radius	13.8 ft
Counterweight Clearance	4.1 ft
Ground Clearance	2.6 ft
Track Length	19.3 ft
Track Length to Center of Rollers	15.5 ft
Track Gauge	11.2 ft
Transport Width	11.1 ft
Note	Track gauge undercarriage extended with 650 mm (26") shoes; transport width undercarriage retracted with 650 mm (26") shoes and no steps

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 CO ₂ equivalent of 1.430 metric tonnes (1.576 tons).
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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