



# 374

## Hydraulic Excavator

# Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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# 374 Hydraulic Excavator Specifications

## Engine

Engine Model	Cat® C15	
Net Power – ISO 9249	361 kW	484 hp
Engine Power – ISO 14396	362 kW	485 hp
Bore	137 mm	5.39 in
Stroke	171 mm	6.73 in
Displacement	15.2 L	928 in <sup>3</sup>
Biodiesel capability	Up to B20 <sup>(1)</sup>	

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 1,700 rpm.

<sup>(1)</sup>Cat 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 Cat 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).

## Drive

Maximum Gradeability	35%/75%	
Maximum Travel Speed	4.1 km/h	2.5 mph
Maximum Drawbar Pull	491 kN	110,359 lbf

## Hydraulic System

Main System – Maximum Flow – Implement	896 L/min (× 2 pumps)	237 gal/min (× 2 pumps)
Swing System – Maximum Flow	247 L/min	65 gal/min
Maximum Pressure – Equipment – Implement	37 000 kPa	5,366 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	35 000 kPa	5,076 psi
Boom Cylinder – Bore	190 mm	7 in
Boom Cylinder – Stroke	1792 mm	71 in
Stick Cylinder – Bore	210 mm	8 in
Stick Cylinder – Stroke	2118 mm	83 in
VB Bucket Cylinder – Bore	190 mm	7 in
VB Bucket Cylinder – Stroke	1433 mm	56 in
WB Bucket Cylinder – Bore	200 mm	8 in
WB Bucket Cylinder – Stroke	1457 mm	57 in

## Service Refill Capacities

Fuel Tank Capacity	920 L	243 gal
Cooling System	71 L	19 gal
Engine Oil (with filter)	62 L	16 gal
Swing Drive	20 L	5 gal
Final Drive (each)	32 L	9 gal
Hydraulic System (including tank)	620 L	164 gal
Hydraulic Tank (including suction pipe)	326 L	86 gal
Diesel Exhaust Fluid (DEF) Tank	80 L	21 gal

## Standards

Brakes	ISO 10265:2008
Cab/Operator Protective Guards (OPG) (optional)	ISO 10262:1998 Level II

## Swing Mechanism

Swing Speed	6.34 rpm	
Maximum Swing Torque	247 kN·m	182,000 lbf·ft

## Weights

Operating Weight	71 700 kg	158,100 lb
• Long Variable Gauge undercarriage, Reach boom, R3.6VB (11'10") stick, Severe Duty (SD) 3.30 m <sup>3</sup> (3.92 yd <sup>3</sup> ) bucket, 650 mm (26") Heavy Duty (HD) double grouser shoes and 11.24 mt (24,780 lb) counterweight.		

## Track

Standard Track Shoes Width	650 mm	26 in
Number of Shoes (each side)	47	
Number of Track Rollers (each side)	8	
Number of Carrier Rollers (each side)	3	

## Air Conditioning System

- 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 = 1573), the system contains 1.1 kg (2.4 lb) of refrigerant, which has a CO<sub>2</sub> equivalent of 1.573 metric tonnes (1.734 tons).
  - If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.93 kg (2.05 lb) of refrigerant which has a CO<sub>2</sub> equivalent of 0.001 metric tonnes (0.001 tons).

## Sound Performance

ISO 6395:2008 (external)	108 dB(A)
ISO 6396:2008 (inside cab)	73 dB(A)
• External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Cat machine that is properly equipped and maintained. The measurements were conducted at 70% of the maximum engine cooling fan speed.	
• Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.	
• Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).	

## Operating Weights and Ground Pressures

### 650 mm (26") HD Double Grouser Shoes

Weight	Ground Pressure
kg (lb)	kPa (psi)

### Base Frame with Track Rollers and Carrier Rollers

#### 11.24 mt (24,780 lb) Counterweight + Long Variable Gauge Undercarriage Base Machine

Reach Boom + R3.6VB (11'10") Stick + 3.30 m <sup>3</sup> (4.32 yd <sup>3</sup> ) SD bucket	71 700 (158,200)	106 (15)
Mass Boom + M3.0WB (9'10") Stick + 4.40 m <sup>3</sup> (5.75 yd <sup>3</sup> ) XD bucket	75 000 (165,300)	111 (16)

All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

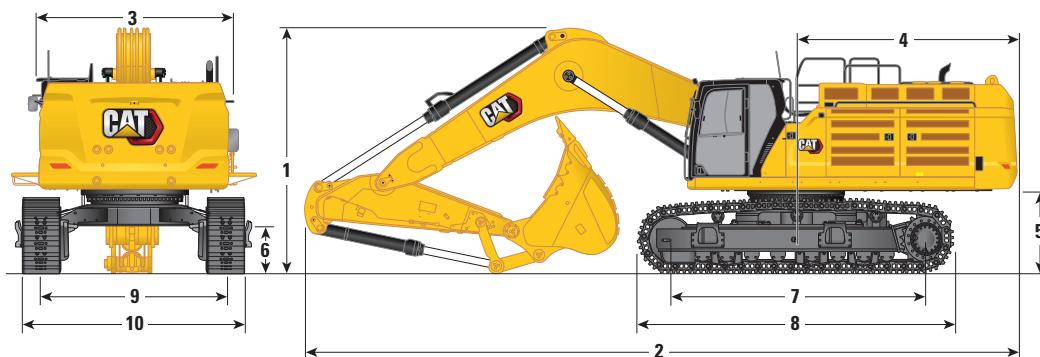
## Major Component Weights

	kg	lb
Base Machine Weight: including upperframe, undercarriage, counterweight, boom cylinders, without boom, stick, bucket, stick cylinder, bucket cylinder, tracks, without fuel 612 kg (1,349 lb), operator 75 kg (165 lb), with hydraulic oil 184 kg (406 lb), diesel exhaust fluid 49 kg (108 lb)		
With 11.24 mt (24,780 lb) Counterweight, Swing Frame and Base Frame	48 030	105,880
Track Shoes:		
650 mm (26") HD Double Grouser Track Shoes	8220	18,110
Two Boom Cylinders		
	1400	3,080
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	860	1,880
Counterweight:		
11.24 mt (24,780 lb) Counterweight	11 240	24,780
Swing Frame:		
Standard Swing Frame	6450	14,210
Long Variable Gauge Undercarriage:		
Base Frame with Double Flange Track Rollers and Carrier Rollers	18 850	41,560
Booms (including lines, pins, stick cylinder):		
Reach Boom 7.8 m (25'7")	6960	15,330
Mass Boom 7.0 m (23'0")	7510	16,560
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R3.6VB (11'10")	3760	8,280
Mass Stick M3.0WB (9'10")	4400	9,710
Buckets (without linkage):		
3.0 m <sup>3</sup> (3.92 yd <sup>3</sup> ) Severe Duty for VB	3740	8,240
3.3 m <sup>3</sup> (4.32 yd <sup>3</sup> ) Severe Duty for VB	3940	8,680
4.4 m <sup>3</sup> (5.75 yd <sup>3</sup> ) Extreme Duty for WB	5950	13,110

# 374 Hydraulic Excavator Specifications

## Dimensions

All dimensions are approximate and may vary depending on bucket selection.

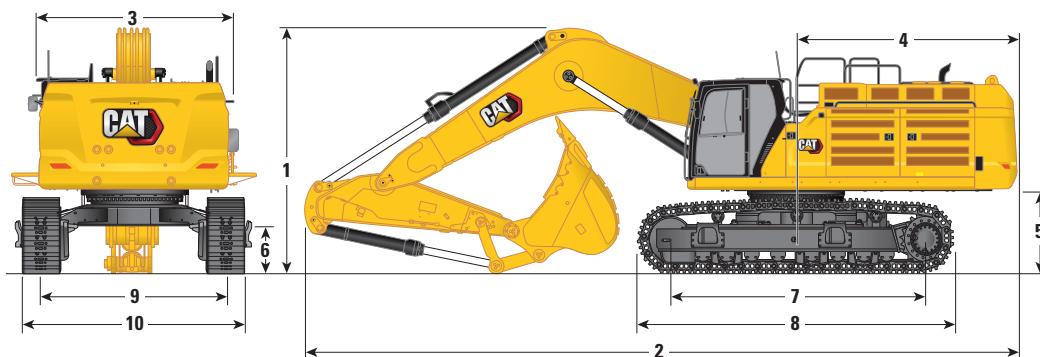


Boom Options	Reach Boom 7.8 m (25'7")	Mass Boom 7.0 m (23'0")
Stick Options	Reach Stick R3.6VB (11'10")	Mass Stick M3.0WB (9'10")
<b>1 Machine Height:</b>		
Cab Height	3559 mm	11'8"
OPG Height	3702 mm	12'1"
Handrails Height	3982 mm	13'0"
With Boom/Stick/Bucket Installed	4519 mm	14'9"
With Boom/Stick Installed	4287 mm	14'0"
With Boom Installed	3896 mm	12'9"
With Boom/Stick/Bucket Installed (with auxiliary lines)	4555 mm	14'11"
With Boom/Stick Installed (with auxiliary lines)	4319 mm	14'2"
With Boom Installed (with auxiliary lines)	4033 mm	13'2"
<b>2 Machine Length:</b>		
With Boom/Stick/Bucket Installed	13 652 mm	44'9"
With Boom/Stick Installed	13 625 mm	44'8"
With Boom Installed	11 855 mm	38'10"
With Boom/Stick/Bucket Installed (with auxiliary lines)	13 652 mm	44'9"
With Boom/Stick Installed (with auxiliary lines)	13 625 mm	44'8"
With Boom Installed (with auxiliary lines)	11 855 mm	38'10"
<b>3 Upperframe Width:</b>		
Without Walkways	3490 mm	11'5"
With Walkways	4508 mm	14'9"
Walkways Width	500 mm	1'7"
<b>4 Tail Swing Radius</b>		
<b>5 Counterweight Clearance without Shoe Lug</b>		
<b>6 Ground Clearance without Shoe Lug</b>		

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## Dimensions (continued)

All dimensions are approximate and may vary depending on bucket selection.

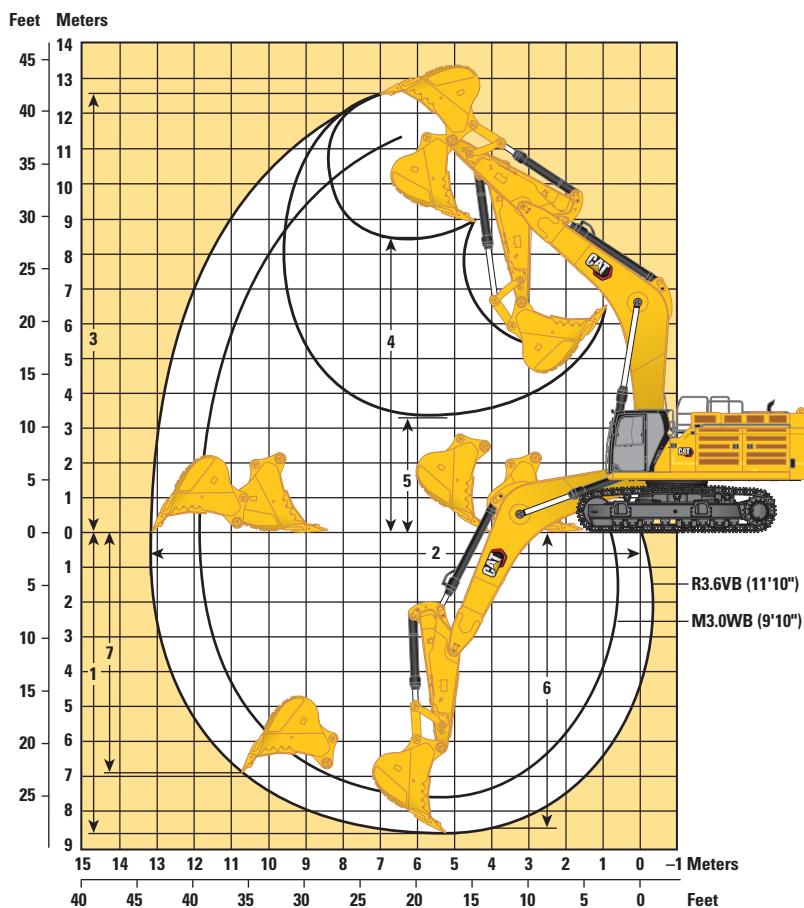


Boom Options	Reach Boom 7.8 m (25'7")	Mass Boom 7.0 m (23'0")		
Stick Options	Reach Stick R3.6VB (11'10")	Mass Stick M3.0WB (9'10")		
7 Length to Center of Rollers	4705 mm	15'5"	4705 mm	15'5"
8 Track Length with Double Grouser Shoes	5873 mm	19'3"	5873 mm	19'3"
9 Track Gauge:				
Retracted with Double Grouser Shoes	2750 mm	9'0"	2750 mm	9'0"
Extended with Double Grouser Shoes	3410 mm	11'2"	3410 mm	11'2"
10 Undercarriage Width – Retracted (without steps):				
650 mm (26") Shoes	3400 mm	11'1"	3400 mm	11'1"
Undercarriage Width – Retracted (with steps):				
650 mm (26") Shoes	3678 mm	12'0"	3678 mm	12'0"
Undercarriage Width – Extended (without steps):				
650 mm (26") Shoes	4060 mm	13'3"	4060 mm	13'3"
Undercarriage Width – Extended (with steps):				
650 mm (26") Shoes	4338 mm	14'2"	4338 mm	14'2"
Bucket Type	SD	XD		
Bucket Capacity	3.30 m <sup>3</sup>	4.32 yd <sup>3</sup>	4.40 m <sup>3</sup>	5.75 yd <sup>3</sup>
Bucket Tip Radius	2240 mm	7'4"	2310 mm	7'6"

# 374 Hydraulic Excavator Specifications

## Working Ranges and Forces

All dimensions are approximate and may vary depending on bucket selection.



Boom Options	Reach Boom 7.8 m (25'7")	Mass Boom 7.0 m (23'0")	
Stick Options	Reach Stick R3.6VB (11'10")	Mass Stick M3.0WB (9'10")	
1 Maximum Digging Depth	8570 mm	28'1"	7660 mm
2 Maximum Reach at Ground Line	13 160 mm	43'2"	11 860 mm
3 Maximum Cutting Height	12 550 mm	41'2"	11 170 mm
4 Maximum Loading Height	8430 mm	27'7"	7220 mm
5 Minimum Loading Height	3310 mm	10'10"	3050 mm
6 Maximum Depth Cut for 2240 mm (8'0") Level Bottom	8440 mm	27'8"	7520 mm
7 Maximum Vertical Wall Digging Depth	6910 mm	22'8"	3970 mm
Bucket Digging Force (ISO)	358 kN	80,550 lbf	406 kN
Stick Digging Force (ISO)	295 kN	66,390 lbf	322 kN
Bucket Type	SD	XD	
Bucket Capacity	3.30 m <sup>3</sup>	4.32 yd <sup>3</sup>	4.40 m <sup>3</sup>
Bucket Tip Radius	2240 mm	7'4"	2310 mm
			7'6"

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## Bucket Specifications and Compatibility

	Width	Capacity	Weight	Fill	Long Variable Gauge Undercarriage				
					Standard Counterweight				
					7.8 m (25'7") Reach	7.0 m (23'0") Mass			
	mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb	%	R3.6 (11'10")	M3.0 (9'10")
<b>No Coupler</b>									
Severe Duty	1650	65	2.50	3.27	3009	6,634	90	●	
	1950	77	3.00	3.92	3660	8,068	90	●	
	1750	70	3.30	4.32	3634	8,068	90	●	
	1950	77	4.10	5.36	4821	10,628	90		●
Extreme Duty	2050	81	4.40	5.75	5762	12,703	90		◎
Maximum load with pin-on (payload + bucket)							kg	10 034	12 678
							lb	22,123	27,955

The above loads are in compliance with hydraulic excavator standard EN 474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

## Typical Pass Match Guide

For maximum production and efficiency, we recommend that loading and hauling machines are matched to achieve optimal performance.

### Configuration:\*

Long Variable Gauge undercarriage, Reach boom, R3.6VB (11'10") stick, Severe Duty (SD) 3.30 m<sup>3</sup> (3.92 yd<sup>3</sup>) bucket, 650 mm (26") Heavy Duty (HD) double grouser shoes and 11.24 mt (24,780 lb) counterweight.

Material Type	Material Density	Passes Required to Fill Trucks to Rated Capacity												
		Cat Articulated Trucks							Cat Off-Highway Trucks					
		725	730 EJ	730	735	740 GC	740 EJ	745	770G	772G	773E	773G	775G	777G
Earth	1600 kg/m <sup>3</sup> (2,700 lb/yd <sup>3</sup> )	4-5	5-6	5	6	7	7	8	7	9	11	10	12	17
Limestone	1540 kg/m <sup>3</sup> (2,600 lb/yd <sup>3</sup> )	5	6	6	7	8	8	9	8	10	12	12	14	20

\* The indicated pass match reflects the machine configuration, fill factor, and typical material density shown. Changes to machine configurations, fill factors, or material density as well as jobsite-specific factors may influence exact pass match recommendations for your application. Consult your Cat dealer for more information.

# 374 Hydraulic Excavator Specifications

## Attachments Offering Guide

Not all attachments are available in all regions. Consult your Cat dealer for specific configurations available in your region.

Match

\* Working range front only

No Match

### PIN-ON ATTACHMENTS

		Long Variable Gauge	
		Standard	
	Reach	Mass	
Undercarriage			
Counterweight			
Boom Type			
Stick Length		3.6 m (11'10")	3.0 m (9'10")
Hydraulic Hammers	H180 S	✓	✓
	H190 S	✓	✓
	H215 S	✓	✓
Mobile Scrap and Demolition Shears	S3070 Flat Top	✓	✓

### CAT PIN GRABBER COUPLER ATTACHMENTS

	Long Variable Gauge	
	Standard	
	Reach	
Undercarriage		
Counterweight		
Boom Type		
Stick Length		3.6 m (11'10")
Hydraulic Hammers	H180 S	✓
	H190 S	✓
	H215 S	✓*

### BOOM-MOUNT ATTACHMENTS

	Long Variable Gauge	
	Standard	
	Reach	Mass
Undercarriage		
Counterweight		
Boom Type		
Mobile Scrap and Demolition Shears	S2090	✓
		✓

## Standard and Optional Equipment

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

	Standard	Optional	Standard	Optional
<b>BOOMS, STICKS AND LINKAGES</b>				
7.0 m (23") Mass boom		✓	Sound suppressed cab with viscous mounts	✓
7.8 m (25'7") Reach boom	✓		Operator Protective Guards (OPG)	✓
3.0 m (9'10") Mass stick		✓	High-resolution 254 mm (10") LCD touchscreen monitor	✓
3.6 m (11'10") Reach stick	✓		Additional high-resolution LCD touchscreen monitor for Cat Grade	✓
Bucket Linkage, VB family without lifting eye, Cat Grade	✓		Automatic bi-level air conditioner	✓
Bucket Linkage, WB family without lifting eye, Cat Grade		✓	Jog dial and shortcut keys for monitor control	✓
<b>CAT TECHNOLOGY</b>				
Cat Equipment Management:				
– VisionLink™		✓ <sup>1</sup>	Keyless push-to-start engine control	✓
– Remote Flash	✓		Height-adjustable console, infinite with no tool	✓
– Remote Troubleshoot	✓		Tilt-up left-side console	✓
– Work tool recognition and tracking (PL161)	✓		Cat Stick Steer	✓
– Operator Coaching		✓ <sup>2</sup>	Auxiliary relay	✓
Cat Grade:				
– Cat Grade with 2D	✓		Heated and cooled seat with automatic adjustable suspension	✓
– Cat Grade with 2D with Attachment Ready Option (ARO)		✓	51 mm (2") orange seat belt	✓
– Laser catcher	✓		Bluetooth® integrated radio (including USB, auxiliary port and microphone)	✓
– Cat Grade with 3D (single or dual Global Navigation Satellite System [GNSS])		✓	2 × 12V DC outlets	✓
– Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓		Document storage	✓
– Cat Grade 3D Ready	✓		Rear head storage net and lunchbox storage net	✓
– Cat Grade Connectivity		✓ <sup>2</sup>	Cup and bottle holders	✓
Cat Assist:				
– Grade Assist	✓		Fixed one-piece windshield	✓
– Boom Assist	✓		Parallel wiper with washer	✓
– Bucket Assist	✓		Fixed glass laminated skylight	✓
– Swing Assist	✓		LED dome light	✓
– Lift Assist	✓		Floor welcome light	✓
Cat Payload:				
– On-the-go weighing	✓		Roller front sunscreen	✓
– Semiautomatic calibration	✓		Roller rear sunscreen	✓
– Payload/cycle information	✓		Rear window emergency exit	✓
– VisionLink back office reporting		✓ <sup>2</sup>	Washable floor mat	✓
Cat Advanced Payload:				
– Daily totals	✓		Beacon ready	✓
– Custom lists	✓			
– Smart weight target	✓			
– E-ticket Integration		✓ <sup>2</sup>		
Other:				
Cat Tiltrotator (TRS) integration		✓		

<sup>1</sup>Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

<sup>2</sup>VisionLink subscription required. Consult your Cat dealer for details.

(continued on next page)

# 374 Standard and Optional Equipment

## Standard and Optional Equipment (continued)

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

	Standard	Optional	Standard	Optional
<b>ELECTRICAL SYSTEM</b>			<b>SAFETY AND SECURITY</b>	
Maintenance-free 1,400 CCA batteries (x2)	✓		Cat Command (remote control)	✓
Centralized electrical disconnect switch	✓		2D E-Fence:	✓
Chassis light	✓		– E-ceiling	
LED boom and cab lights	✓		– E-floor	
<b>ENGINE</b>			– E-swing	
Cold start block heater	✓		– E-wall	
Three selectable modes: Power, Smart, Eco	✓		– E-cab avoidance	
Automatic engine speed control	✓		Auto hammer stop	✓
Up to 4500 m (14,764 ft) altitude capability	✓		Caterpillar One Key security system	✓
52° C (126° F) high-ambient cooling capacity	✓		Lockable external tool/storage box	✓
–18° C (0° F) cold start capability	✓		Lockable door, fuel, and hydraulic tank locks	✓
–32° C (–25° F) cold start capability	✓		Lockable fuel drain compartment	✓
Hydraulic reverse fan	✓		Service platforms with anti-skid plate	✓
Double element filter with integrated pre-cleaner air filter	✓		Lockable disconnect switch	✓
Three vertical side-by-side cooling system	✓		Right-hand handrail and handhold	✓
95 Amp alternator	✓		Standard visibility mirror package	✓
<b>HYDRAULIC SYSTEM</b>			Signaling/warning horn	✓
Boom and stick regeneration circuit	✓		Travel alarm	✓
Electronic main control valve	✓		Swing alarm	✓
Dedicated closed loop swing circuit	✓		Ground-level secondary engine shutoff switch	✓
Automatic hydraulic oil warmup	✓		Rear and right-hand-sideview cameras	✓
Automatic swing parking brake	✓		360° visibility	✓
High performance hydraulic return filter	✓		Walkway	✓
Two speed travel	✓		Tilt-up walkway	✓
Hydraulic oil and filter	✓		Inspection lighting	✓
Advanced tool control	✓		<b>SERVICE AND MAINTENANCE</b>	
Hydraulic efficiency monitoring	✓		Integrated vehicle health management system	✓
			Auto lube ready	✓
			Grouped location for engine oil and fuel filters	✓
			S·O·S <sup>SM</sup> ports	✓
			Electric refueling pump with auto shutoff	✓
			<b>UNDERCARRIAGE AND STRUCTURES</b>	
			Long variable gauge undercarriage	✓
			Towing eye on base frame	✓
			Two-piece full-length track guiding guards	✓
			Swivel guard	✓
			Grease lubricated track	✓
			11.24 mt (24,780 lb) counterweight	✓
			650 mm (26") HD double grouser track shoes	✓
			HD bottom guard	✓
			HD travel motor guard	✓

## Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

### CAB

- Left Hand (LH)/Right Hand (RH) electrical pedal for tool control
- Dual exit rear window kit
- Front windshield laminated glass (P5A glass, EU demolition regulation)
- Joystick with horizontal sliders

### ELECTRICAL

- 1,800 lumen LED premium surround lights

### SAFETY AND SECURITY

- Bluetooth key fob
- 76 mm (3") retractable seat belt
- Cat Command – Remote control kit

### 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
- Full protecting vandalism guard
- Rain protector for front windshield plus cab light cover

### OTHER ATTACHMENTS

- GNSS antennae

# 374 Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

## Engine

- The Cat® C15 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Cat 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 Cat 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).*

## Sound Performance

ISO 6395:2008 (external) – 108 dB(A)

ISO 6396:2008 (inside cab) – 73 dB(A)

- External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Cat machine that is properly equipped and maintained. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

## Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

## Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Smart mode matches machine power to digging requirements automatically
  - Eco mode minimizes fuel consumption for light applications
  - Utilizing Cat technologies can help increase operating efficiencies.
  - Hydraulic oil filter provides longer life with a 3,000-hour replacement interval – 50% longer than previous filter designs
  - Reduce fuel consumption with the high-efficiency hydraulic fan that cools the engine on demand
  - Cut costs with extended maintenance intervals
  - Remote Flash and Remote Troubleshoot

## Air Conditioning System

- 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 = 1573), the system contains 1.1 kg (2.4 lb) of refrigerant, which has a CO<sub>2</sub> equivalent of 1.573 metric tonnes (1.734 tons).
  - If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.93 kg (2.05 lb) of refrigerant which has a CO<sub>2</sub> equivalent of 0.001 metric tonnes (0.001 tons).

## Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
  - Barium < 0.01%
  - Cadmium < 0.01%
  - Chromium < 0.01%
  - Lead < 0.01%



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additional equipment. See your Cat dealer for available options.

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Based on the Labor, Safety and Health Laws in Japan, employer of small construction equipment are required to  
provide specific training for all operators on machines with machine weight less than 3 metric ton. For machines  
greater than 3 metric ton, operator needs to obtain operator license certification from a Government approved  
registered training school.

AEXQ4054-02 (12-2025)  
Replaces: AEXQ4054-01  
Build Number: 07H  
(Japan)

