



336

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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336 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C7.1 TTA	
Net Power		
ISO 9249	223.5 kW	300 hp
ISO 9249 (DIN)	304 hp (metric)	
Engine Power		
ISO 14396	225 kW	302 hp
ISO 14396 (DIN)	306 hp (metric)	
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in ³
Biodiesel capability	Up to B20 ⁽¹⁾	

- 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).
- Net power 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 2,000 rpm.

⁽¹⁾ 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 (hydrogenated 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).

Swing Mechanism

Swing Speed	8.84 rpm	
Maximum Swing Torque	143 kN·m	105,250 lbf·ft

Weights

Operating Weight	34 200 kg	75,400 lb
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- Standard Undercarriage, Reach Boom, R3.2DB (10'6") Stick, General Duty Excavation (GDX) 1.40 m³ (1.83 yd³) Bucket, 700 mm (28") Triple Grouser Shoes, 6.8 mt (15,000 lb) Counterweight.

Track

Optional Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
Optional Track Shoes Width	800 mm	31 in
Number of Shoes (each side)	45	
Number of Track Rollers (each side)	7	
Number of Carrier Rollers (each side)	2	

Drive

Maximum Gradeability	35°/70%	
Maximum Travel Speed	4.7 km/h	2.9 mph
Maximum Drawbar Pull	302.5 kN	68,005 lbf

Hydraulic System

Main System – Maximum Flow (Implement)	560 L/min (280 × 2 pumps)	148 gal/min (74 × 2 pumps)
Maximum Pressure – Equipment – Implement	35 000 kPa	5,076 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	29 400 kPa	4,264 psi
Boom Cylinder – Bore	150 mm	6 in
Boom Cylinder – Stroke	1440 mm	57 in
Stick Cylinder – Bore	170 mm	7 in
Stick Cylinder – Stroke	1738 mm	68 in
DB Bucket Cylinder – Bore	150 mm	6 in
DB Bucket Cylinder – Stroke	1151 mm	45 in

Service Refill Capacities

Fuel Tank Capacity	600 L	158.5 gal
Cooling System	39 L	10.2 gal
Engine Oil (with filter)	25 L	6.6 gal
Swing Drive	18 L	4.8 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	373 L	98.5 gal
Hydraulic Tank (including suction pipe)	161 L	42.5 gal
Diesel Exhaust Fluid (DEF) Tank	50 L	13.2 gal

Standards

Brakes	ISO 10265:2008
Cab/Operator Protective Guards (OPG) (optional)	ISO 10262:1998 Level II
Cab/Rollover Protective Structure (ROPS)	ISO 12117-2:2008

Sound Performance

ISO 6395:2008 (external)	105 dB(A)
ISO 6396:2008 (inside cab)	72 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).

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 = 1430), the system contains .90 kg (1.984 lb.) of refrigerant, which has a CO₂ equivalent of 1.287 metric tonnes (1.419 tons).
 - If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.780 kg (1.719 lb.) of refrigerant, which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

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Operating Weights and Ground Pressures

	600 mm (24") Double Grouser Track Shoes		700 mm (28") Triple Grouser Track Shoes		800 mm (31") Triple Grouser Track Shoes	
	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)	Weight kg (lb)	Ground Pressure kPa (psi)
Base Machine Configurations						
Base Frame with Track Rollers and Carrier Rollers						
6.8 mt (15,000 lb) Counterweight + Standard Undercarriage						
Reach Boom + R3.9 m DB (12'10") Stick + 1.40 m ³ (1.83 yd ³) GDX Bucket	34 800 (76,600)	64.8 (9.4)	34 400 (75,800)	54.9 (8.0)	35 000 (77,100)	48.9 (7.1)
Reach Boom + R3.2 m DB (10'6") Stick + 1.40 m ³ (1.83 yd ³) GDX Bucket	34 600 (76,200)	64.4 (9.3)	34 200 (75,400)	54.6 (7.9)	34 800 (76,700)	48.6 (7.1)
Reach Boom + R2.8 m DB (9'2") Stick + 1.40 m ³ (1.83 yd ³) GDX Bucket	34 500 (76,000)	64.2 (9.3)	34 100 (75,200)	54.5 (7.9)	34 700 (76,500)	48.5 (7.0)

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

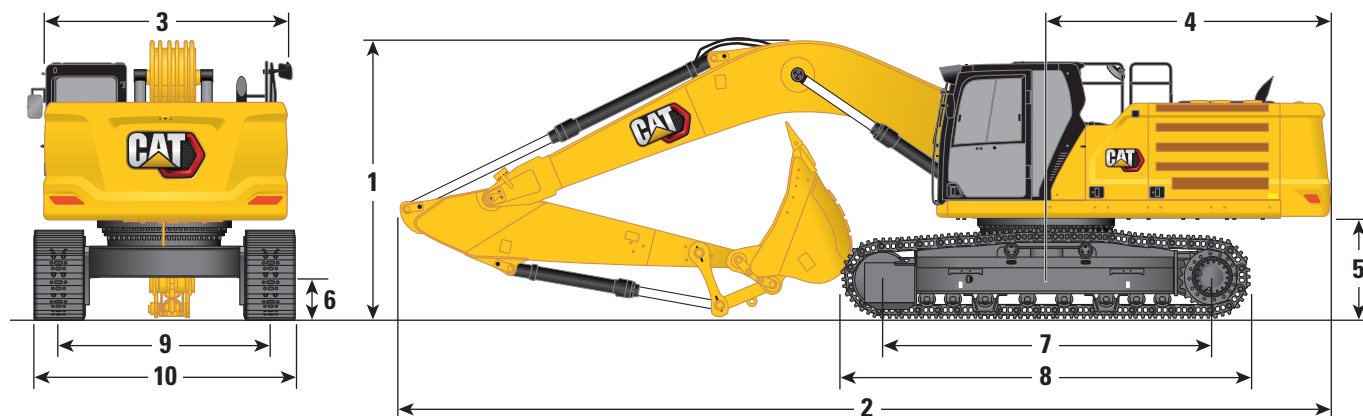
Major Component Weights

	kg	lb
Base machine with 6.8 mt (15,000 lb) Counterweight, Standard Swing Frame, Base Frame with Track Rollers and Carrier Rollers for Standard Undercarriage	23 170	51,080
Track Shoes:		
600 mm (24") Width, 15.5 mm (0.61") Thick, Double Grouser (DG) Track Shoes	4450	9,800
700 mm (28") Width, 11 mm (0.43") Thick, Triple Grouser (TG) Track Shoes	4080	8,990
800 mm (31") Width, 13 mm (0.51") Thick, TG Track Shoes	4680	10,310
Two Boom Cylinders	670	1,470
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	550	1,210
Counterweight:		
6.8 mt (15,000 lb) Counterweight	6800	14,990
Swing Frame:		
Standard Swing Frame	3160	6,960
Undercarriage:		
Base Frame with Track Rollers and Carrier Rollers for Standard Undercarriage	7760	17,100
Boom (including lines, pins, stick cylinder):		
Reach Boom 6.5 m (21'4")	3280	7,230
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.8DB (9'2")	1760	3,870
Reach Stick R3.2DB (10'6")	1860	4,100
Reach Stick R3.9DB (12'10")	2040	4,490
Bucket (without linkage):		
1.40 m ³ (1.83 yd ³) GDX	1280	2,820
Quick Coupler (QC):		
Pin Grabber QC	700	1,550

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Dimensions

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



Undercarriage Options

Boom Option

Standard Undercarriage

Reach Boom 6.5 m (21'4")

Stick Options

Reach Stick

R3.9DB (12'10")

R3.2DB (10'6")

R2.8DB (9'2")

1 Machine Height:

Cab height	3170 mm	10'5"	3170 mm	10'5"	3170 mm	10'5"
OPG height	3310 mm	10'10"	3310 mm	10'10"	3310 mm	10'10"
Guardrails/Handrails height	3160 mm	10'4"	3160 mm	10'4"	3160 mm	10'4"
With Boom/Stick/Bucket Installed	3670 mm	12'0"	3370 mm	11'1"	3580 mm	11'9"
With Boom/Stick Installed	3520 mm	11'7"	3320 mm	10'11"	3420 mm	11'3"
With Boom Installed	2880 mm	9'5"	2880 mm	9'5"	2880 mm	9'5"
With Boom/Stick/Bucket Installed (with auxiliary lines)	3710 mm	12'2"	3440 mm	11'3"	3610 mm	11'10"
With Boom/Stick Installed (with auxiliary lines)	3570 mm	11'9"	3390 mm	11'1"	3470 mm	11'5"
With Boom Installed (with auxiliary lines)	2970 mm	9'9"	2970 mm	9'9"	2970 mm	9'9"

2 Machine Length:

With Boom/Stick/Bucket Installed	11 180 mm	36'8"	11 140 mm	36'7"	11 190 mm	36'9"
With Boom/Stick Installed	11 160 mm	36'7"	11 120 mm	36'6"	11 170 mm	36'8"
With Boom Installed	9960 mm	32'8"	9960 mm	32'8"	9960 mm	32'8"
With Boom/Stick/Bucket Installed (with auxiliary lines)	11 180 mm	36'8"	11 140 mm	36'7"	11 190 mm	36'9"
With Boom/Stick Installed (with auxiliary lines)	11 160 mm	36'7"	11 120 mm	36'6"	11 170 mm	36'8"
With Boom Installed (with auxiliary lines)	10 010 mm	32'10"	10 010 mm	32'10"	10 010 mm	32'10"

3 Upperframe Width without walkways

	2970 mm	9'9"	2970 mm	9'9"	2970 mm	9'9"
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4 Tail Swing Radius

	3530 mm	11'7"	3530 mm	11'7"	3530 mm	11'7"
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5 Counterweight Clearance

	1250 mm	4'1"	1250 mm	4'1"	1250 mm	4'1"
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6 Ground Clearance

	510 mm	1'8"	510 mm	1'8"	510 mm	1'8"
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7 Track Length – Length to center of rollers

	3610 mm	11'10"	3610 mm	11'10"	3610 mm	11'10"
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8 Track Length

	4590 mm	15'1"	4590 mm	15'1"	4590 mm	15'1"
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10 Track Width/Undercarriage Width:

600 mm (24") Shoes	3190 mm	10'6"	3190 mm	10'6"	3190 mm	10'6"
700 mm (28") Shoes	3290 mm	10'10"	3290 mm	10'10"	3290 mm	10'10"
800 mm (31") Shoes	3390 mm	11'1"	3390 mm	11'1"	3390 mm	11'1"

Bucket Type

GDX

GDX

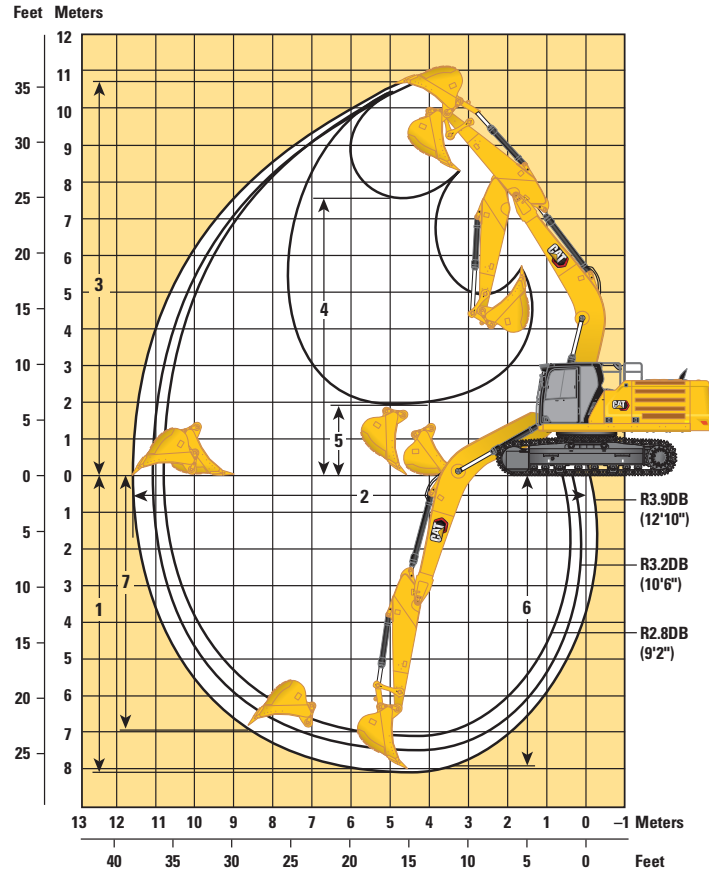
GDX

Bucket Capacity	1.40 m ³	1.83 yd ³	1.40 m ³	1.83 yd ³	1.40 m ³	1.83 yd ³
Bucket Tip Radius	1680 mm	5.5 ft	1680 mm	5'5"	1680 mm	5.5 ft

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Working Ranges and Forces

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



Undercarriage Options

Standard Undercarriage

Boom Option

Reach Boom
6.5 m (21'4")

Stick Options

Reach Stick

	R3.9DB (12'10")		R3.2DB (10'6")		R2.8DB (9'2")	
1 Maximum Digging Depth	8110 mm	26'7"	7410 mm	24'4"	7010 mm	23'0"
2 Maximum Reach at Ground Line	11 640 mm	38'2"	10 940 mm	35'11"	10 630 mm	34'11"
3 Maximum Cutting Height	10 700 mm	35'1"	10 290 mm	33'9"	10 340 mm	33'11"
4 Maximum Loading Height	7580 mm	24'10"	7190 mm	23'7"	7190 mm	23'7"
5 Minimum Loading Height	1990 mm	6'6"	2690 mm	8'10"	3090 mm	10'2"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7970 mm	26'2"	7240 mm	23'9"	6840 mm	22'5"
7 Maximum Vertical Wall Digging Depth	6950 mm	22'10"	6130 mm	20'1"	6060 mm	19'11"
Bucket Digging Force (ISO)	223 kN	50,020 lbf	223 kN	50,020 lbf	223 kN	50,020 lbf
Stick Digging Force (ISO)	146 kN	32,910 lbf	169 kN	37,950 lbf	188 kN	42,290 lbf
Bucket Type	GDX		GDX		GDX	
Bucket Capacity	1.40 m ³	1.83 yd ³	1.40 m ³	1.83 yd ³	1.40 m ³	1.83 yd ³
Bucket Tip Radius	1680 mm	5'5"	1680 mm	5'5"	1680 mm	5'5"

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Typical Pass Match Guide

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

Configuration:*

Standard Undercarriage, Reach Boom, R3.2DB (10'6") Stick, General Duty Excavation (GDX) 1.40 m³ (1.83 yd³) Bucket, 700 mm (28") Triple Grouser Shoes, and 6.8 mt (15,000 lb) Counterweight.

Passes Required to Fill Trucks to Rated Capacity									
Material Type	Material Density	Cat Articulated Trucks							Cat Off-Highway Trucks
		725	730 EJ	730	735	740 GC	740 EJ	745	770G
Earth	1600 kg/m ³ (2,700 lb/yd ³)	11	13	12	14	17	16	18	17
Limestone	1540 kg/m ³ (2,600 lb/yd ³)	12	14	14	16	20	19		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.

Bucket Specifications and Compatibility

									Standard Undercarriage		
	Linkage	Width		Capacity		Weight		Fill	6.8 mt (15,000 lb) Counterweight		
									Reach		
		mm	in	m³	yd³	kg	lb	%	R2.8 (9'2")	R3.2 (10'6")	R3.9 (12'2")
Pin-On (No Quick Coupler)											
General Duty	DB	1400	55	1.40	1.83	1163	2,563	100	●	●	●
	DB	1450	57	1.50	1.96	1200	2,645	100	●	●	⊙
	DB	1550	61	1.60	2.09	1262	2,783	100	●	●	⊙
Heavy Duty	DB	1450	57	1.40	1.83	1467	3,234	100	●	●	⊙
	DB	1500	59	1.50	1.96	1518	3,346	100	●	●	⊙
Maximum load with pin-on (payload + bucket)								kg	5060	4790	4160
								lb	11,155	10,560	9,171
With Cat Pin Grabber Coupler											
General Duty	DB	1400	55	1.40	1.83	1163	2,563	100	●	●	⊖
	DB	1450	57	1.50	1.96	1200	2,645	100	●	⊙	⊖
	DB	1550	61	1.60	2.09	1262	2,782	100	⊙	⊙	○
Heavy Duty	DB	1450	57	1.40	1.83	1467	3,234	100	●	⊙	⊖
	DB	1500	59	1.50	1.96	1518	3,346	100	⊙	⊙	○
Maximum load with coupler (payload + bucket)								kg	4362	4092	3462
								lb	9,617	9,022	7,633

The above loads are in compliance with hydraulic excavator standard EN474-5:2022/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.

- Maximum Material Density:**
- 2100 kg/m³ (3,500 lb/yd³)
 - ⊙ 1800 kg/m³ (3,000 lb/yd³)
 - ⊖ 1500 kg/m³ (2,500 lb/yd³)
 - 1200 kg/m³ (2,000 lb/yd³)

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.

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Attachments Offering Guide

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

☒ Match
 ☒ Working range front only
 ☐ No Match

PIN-ON ATTACHMENTS

Counterweight		6.8 mt (15,000 lb)		
Boom Type		Reach		
Stick Length		2.8 m (9'2")	3.2 m (10'6")	3.9 m (12'10")
Hydraulic Hammers	H140 S	✓	✓	✓
	H160 S	✓	✓	✓
	H180 S	✓	✓*	
Rotary Cutters	RC30	✓	✓	✓
	RC50			

CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		6.8 mt (15,000 lb)		
Boom Type		Reach		
Stick Length		2.8 m (9'2")	3.2 m (10'6")	3.9 m (12'10")
Hydraulic Hammers	H140 S	✓	✓	✓
	H160 S	✓	✓	
Rotary Cutters	RC30	✓	✓	✓
	RC50			

BOOM-MOUNT ATTACHMENTS

Counterweight		6.8 mt (15,000 lb)		
Boom Type		Reach		
Mobile Scrap and Demolition Shears	S2070	✓		✓
	S2090	✓*		✓

336 Hydraulic Excavator Specifications

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
BOOMS, STICKS AND LINKAGES			ELECTRICAL SYSTEM		
6.5 m (21'4") Reach boom	✓		Maintenance-free 1,000 CCA batteries (×2)	✓	
2.8 m (9'2") Reach stick		✓	Centralized electrical disconnect switch	✓	
3.2 m (10'6") Reach stick		✓	LED exterior chassis and boom lights	✓	
3.9 m (12'10") Reach stick		✓	Premium surround working lights		✓
DB family bucket linkage without lifting eye		✓	ENGINE		
CAT TECHNOLOGY			3000 m (9,842 ft) altitude capability	✓	
Cat Equipment Management:			115 Amp alternator	✓	
– VisionLink™	✓ ¹		Cold start block heater		✓
– Remote Flash	✓		Three selectable modes: Power, Smart, Eco	✓	
– Remote Troubleshoot	✓		Auto engine speed control	✓	
– Work tool recognition and tracking (PL161)	✓		52° C (126° F) high-ambient cooling	✓	
– Operator Coaching		✓ ²	Hydraulic reverse fan	✓	
Cat Grade:			–18° C (0° F) cold start capability	✓	
– Cat Grade with 2D	✓		Double element air filter with integrated pre-cleaner	✓	
– Cat Grade with 2D with Attachment Ready Option (ARO)		✓	Dual stage four micron main filter	✓	
– Laser catcher		✓	10 micron primary filter with water separator	✓	
– Cat Grade with 3D (single or dual Global Navigation Satellite System [GNSS])		✓	Electric fuel priming pump	✓	
– Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓		Secure start with PIN code	✓	
– Cat Grade 3D Ready		✓	Remote disable	✓	
– Cat Grade Connectivity		✓ ²			
Cat Assist:					
– Grade Assist	✓				
– Boom Assist	✓				
– Bucket Assist	✓				
– Swing Assist	✓				
– Lift Assist	✓				
Cat Payload:					
– On-the-go weighing	✓				
– Semiautomatic calibration	✓				
– Payload/cycle information	✓				
– VisionLink back office reporting		✓ ²			
Cat Advanced Payload:					
– Daily totals		✓			
– Custom lists		✓			
– Smart weight target		✓			
– E-ticket Integration		✓ ²			
Other:					
Cat Tiltrotator (TRS) integration		✓			

¹Provides 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.

²VisionLink subscription required. Consult your Cat dealer for details.

(continued on next page)

Standard and Optional Equipment (continued)

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

	Standard	Optional		Standard	Optional
HYDRAULIC SYSTEM			SERVICE AND MAINTENANCE		
Boom and stick regeneration circuit	✓		Integrated vehicle health management system	✓	
Electronic main control valve	✓		Grouped engine oil and fuel filters	✓	
Auto hydraulic oil warmup	✓		S-O-S SM ports	✓	
Bio hydraulic oil capability	✓		UNDERCARRIAGE AND STRUCTURES		
Reverse swing damping valve	✓		Standard undercarriage	✓	
Auto swing parking brake	✓		Towing eye on base frame	✓	
High performance hydraulic return filter	✓		Full-length track guiding guards		✓
Two speed travel	✓		Center track guiding guards		✓
Combined two-way auxiliary circuit		✓	Swivel guard	✓	
Combined two-way auxiliary circuit with hammer return filter		✓	HD bottom guard	✓	
Medium-pressure auxiliary circuit		✓	HD travel motor guards	✓	
Quick coupler circuit for Cat Pin Grabber		✓	Grease lubricated track	✓	
Hydraulic efficiency monitoring		✓	6.8 mt (15,000 lb) counterweight	✓	
SAFETY AND SECURITY			600 mm (24") double grouser track shoes		✓
Cat Command (remote control)		✓	700 mm (28") triple grouser track shoes		✓
2D E-Fence:	✓		800 mm (31") triple grouser track shoes		✓
– E-ceiling					
– E-floor					
– E-swing					
– E-wall					
– E-cab avoidance					
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 and recessed bolts	✓				
Right Hand (RH) handrail and handhold	✓				
Signaling/warning horn	✓				
Travel alarm		✓			
Swing alarm		✓			
Ground-level secondary engine shutoff switch	✓				
Lockable disconnect switch	✓				
Rear and right-hand-sideview cameras	✓				
360° visibility		✓			
Inspection lighting		✓			

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB • Horizontal joystick sliders • Lower radial wiper • Left Hand (LH)/RH electrical pedal for tool control • Rain protector for front windshield and cab light cover • Polycarbonate roof hatch	ELECTRICAL • Premium surround working lights GUARDS • Side rubber bumper guard • Mesh guard full front • Mesh guard half front • Full protecting vandalism guard	SAFETY AND SECURITY • Bluetooth® receiver kit • Bluetooth key fob • Operator Protective Guards • P5A laminated glass • Cat Detect – People Detection • Cat Command – Remote control kit
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Cab Options

	Deluxe	Premium (2P)	Premium (1P)
Rollover Protective Structure (ROPS)	●	●	●
Operator Protective Guard (OPG)	○	○	○
High-resolution 203 mm (8") LCD touchscreen monitor	●	X	X
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 air-suspension seat	●	X	X
Heated and ventilated air-suspension seat	X	●	●
51 mm (2") seat belt	●	●	●
Monitor integrated Bluetooth radio with USB/Auxiliary ports	●	●	●
12V DC outlets	●	●	●
Document storage	●	●	●
Overhead storage and rear storage with nets	●	●	●
Beverage holder	●	●	●
Cup holder	●	●	●
Openable two-piece front window	●	●	○
One piece front windshield	X	○	●
Rear window emergency exit	●	●	●
Radial wiper with washer	●	X	X
Parallel wiper	X	●	●
Openable polycarbonate skylight hatch	●	●	X
Laminated roof glass	X	X	●
LED dome light	●	●	●
Floor welcome light	●	●	●
Roof sunscreen	●	●	●
Roller front sunscreen	●	●	●
Roller rear sunscreen	○	●	●
Washable floor mat	●	●	●
Beacon ready	●	●	●
Cat Stick Steer	○	○	○
Auxiliary relay	○	○	○

● Standard

○ Optional

X Not available

336 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® C7.1 TTA 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 (hydrogenated 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).

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 = 1430), the system contains .90 kg (1.984 lb.) of refrigerant, which has a CO₂ equivalent of 1.287 metric tonnes (1.419 tons).
 - If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.780 kg (1.719 lb.) of refrigerant, which has a CO₂ 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%

Sound Performance

ISO 6395:2008 (external) 105 dB(A)

ISO 6396:2008 (inside cab) 72 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.
 - Advanced hydraulic systems balance power and efficiency
 - Smart mode matches machine power to digging requirements automatically
 - Eco mode supports reduced fuel consumption for light applications
 - Available Cat technologies help improve operator efficiency
 - Reduce fuel consumption with the high-efficiency hydraulic fan that cools the engine on demand
 - Extended service intervals help decrease maintenance costs

Recycling

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	85.02%
Iron	7.33%
Nonferrous Metal	1.82%
Mixed Metal	0.02%
Mixed-Metal and Nonmetal	0.80%
Plastic	1.07%
Rubber	0.16%
Mixed Nonmetallic	0.16%
Fluid	2.11%
Other	1.49%
Uncategorized	0.00%
Total	100%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714:2008 (Earthmoving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused, or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714:2008 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability – 98%



オフロード法2014年
基準適合



国土交通省指定
低騒音型建設機械

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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Materials and specifications are subject to change without notice. Featured machines in photos may include 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 ship 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.

AEXQ4076-01 (12-2025)
Replaces: AEXQ4076-00
Build Number: 08D
(Japan)

