320 GC

Hydraulic Excavator

Technical Specifications

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

Table of Contents

320 GC Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C4.4	
Net Power		
ISO 9249	107 kW	143 hp
ISO 9249 (DIN)	145 hp (metric)	
Engine Power		
ISO 14396	108 kW	145 hp
ISO 14396 (DIN)	147 hp (metric)	
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in³
Biodiesel Capability	Up to B20(1)	

- Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- 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 2,000 rpm.

(1)Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:

- ✓ 100% 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.

**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.*

Swing Mechanism

Swing Speed	11.3 rpm	
Maximum Swing Torque	74.4 kN·m	54,900 lbf·ft

Weights

Operating Weight	21 200 kg	46,700 lb

- Reach boom, R2.9 (9'6") stick, General Duty (GD) 1.0 m³ (1.31 yd³) bucket, 600 mm (24") triple grouser shoes, 4.2 mt (9,260 lb) counterweight.

Track

Standard Track Shoes Width	600 mm	24 in
Number of Shoes (each side)	49	
Number of Track Rollers (each side)	8	
Number of Carrier Rollers (each side)	2	

Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.7 km/h	3.5 mph
Maximum Drawbar Pull	206 kN	46,311 lbf

Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (215 × 2 pumps)	113 gal/min (57 × 2 pumps)
Maximum Pressure – Equipment	35 000 kPa	5,075 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	25 000 kPa	3,625 psi
Boom Cylinder – Bore	120 mm	5 in
Boom Cylinder – Stroke	1260 mm	50 in
Stick Cylinder – Bore	135 mm	5 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	115 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

Service Refill Capacities

Fuel Tank Capacity	345 L	91.1 gal
Cooling System	25 L	6.6 gal
Engine Oil	15 L	4.0 gal
Swing Drive	12 L	3.2 gal
Final Drive (each)	4 L	1.1 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank	115 L	30.4 gal

Standards

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

Sound Performance

ISO 6395:2008 (external)	99 dB(A)
ISO 6396:2008 (inside cab)	70 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 Weight and Ground Pressure

Base Machine Configurations	600 mm (24") Triple Grouser Shoes			
	Weight		Ground Pressure	
Base Frame with Track Rollers and Carrier Rollers				
4.2 mt (9,260 lb) Counterweight + Long Undercarriage Base Machine				
Reach Boom + R2.9 (9'6") Stick + 1.0 m^3 (1.31 yd^3) GD Bucket	21 200 kg	46,700 lb	44.1 kPa	6.4 psi

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

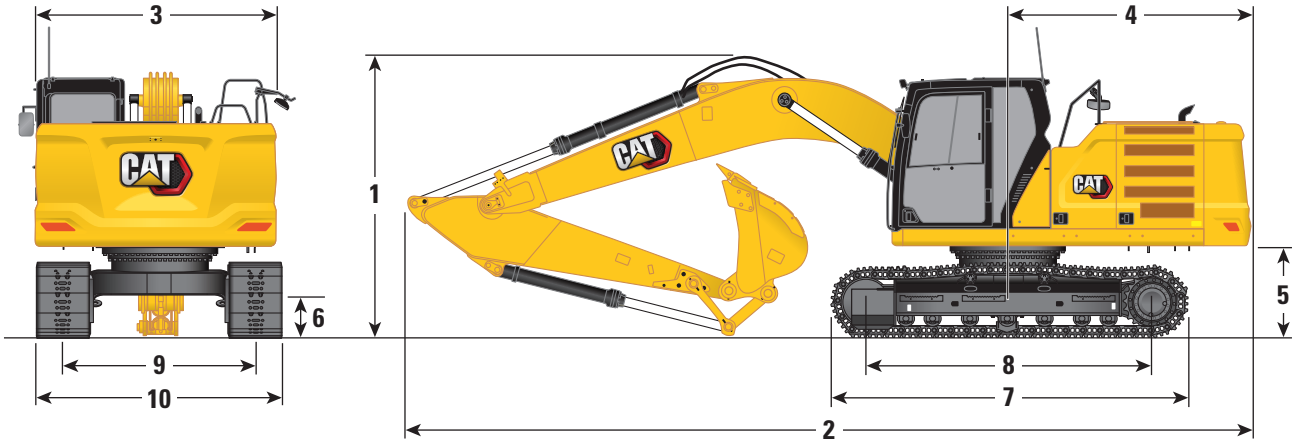
Major Component Weights

	kg	lb
Base Machine (with 4.2 mt [9,260 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, without boom cylinders – does not include 90% fuel and 75 kg [165 lb] operator)	14 400	31,700
Track Shoes:		
600 mm (24") Width, 8.5 mm (0.33") Thick Triple Grouser Track Shoes	2600	5,700
Two Boom Cylinders	340	700
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	700
Counterweight:		
4.2 mt (9,260 lb) Counterweight	4200	9,300
Swing Frame	1940	4,210
Undercarriage:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers	4270	9,400
Boom (including lines, pins, stick cylinder):		
Reach Boom 5.7 m (18'8")	1690	3,700
Stick (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.9B1 (9'6")	1080	2,400
Bucket (without linkage):		
1.0 m^3 (1.31 yd^3) GD	730	1,600

320 GC Hydraulic Excavator Specifications

Dimensions

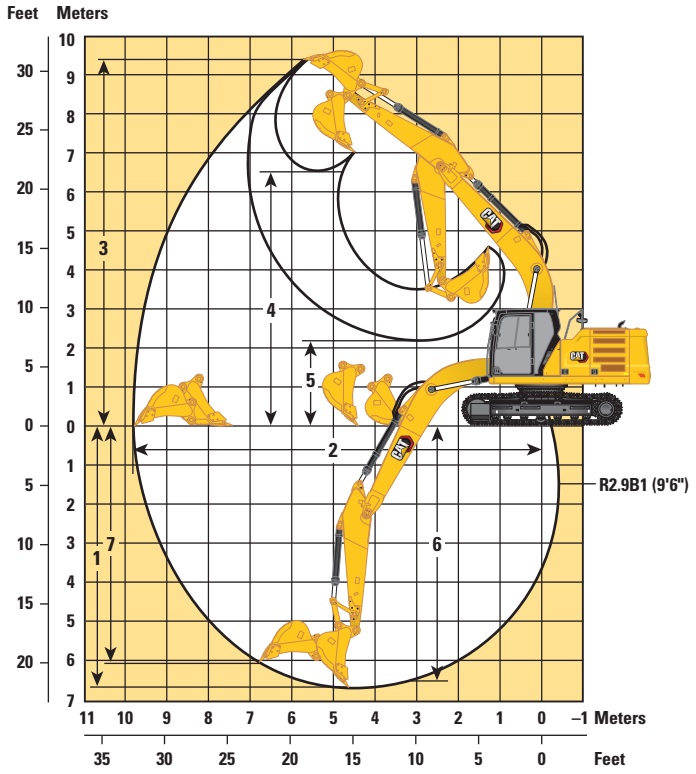
All dimensions are approximate and may vary depending on bucket selection.



Boom Option	Reach Boom 5.7 m (18'8")	
Stick Option	**Reach Stick R2.9B1 (9'6")**	
1 Machine Height:		
Top of Cab Height	2960 mm	9'9"
Top of OPG Height	3100 mm	10'2"
Handrail Height	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3160 mm	10'4"
With Boom/Stick Installed	2910 mm	9'7"
With Boom Installed	2480 mm	8'2"
2 Machine Length:		
With Boom/Stick/Bucket Installed	9530 mm	31'3"
With Boom/Stick Installed	9500 mm	31'2"
With Boom Installed	8450 mm	27'9"
3 Upperframe Width	2780 mm	9'1"
4 Tail Swing Radius	2830 mm	9'3"
5 Counterweight Clearance	1050 mm	3'5"
6 Ground Clearance	470 mm	1'7"
7 Track Length	4450 mm	14'7"
8 Length to Center of Rollers	3650 mm	12'0"
9 Track Gauge	2380 mm	7'9"
10 Undercarriage Width:		
600 mm (24") Shoes	2980 mm	9'9"
Bucket Type	GD	
Bucket Capacity	1.0 m^3	1.31 yd^3
Bucket Tip Radius	1560 mm	5'1"

Working Ranges

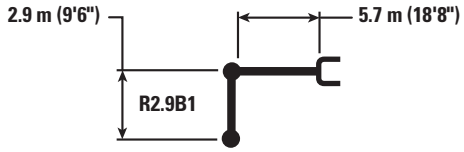
All dimensions are approximate and may vary depending on bucket selection.

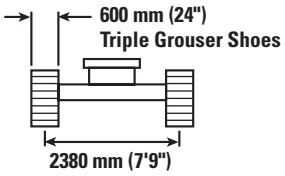


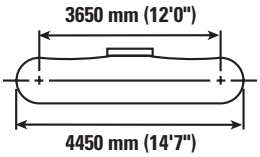
Boom Option	Reach Boom 5.7 m (18'8")	
Stick Option	**Reach Stick R2.9B1 (9'6")**	
1 Maximum Digging Depth	6630 mm	21'9"
2 Maximum Reach at Ground Line	9770 mm	32'1"
3 Maximum Cutting Height	9440 mm	31'0"
4 Maximum Loading Height	6580 mm	21'7"
5 Minimum Loading Height	2260 mm	7'5"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6460 mm	21'2"
7 Maximum Vertical Wall Digging Depth	6010 mm	19'9"
Bucket Digging Force (ISO)	129 kN	29,007 lbf
Stick Digging Force (ISO)	99 kN	22,301 lbf
Bucket Type	GD	
Bucket Capacity	1.0 m^3	1.31 yd^3
Bucket Tip Radius	1560 mm	5'1"

320 GC Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,260 lb) – without Bucket







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
7500 mm **300 in**	kg **lb**							*4350	*4350			*3750 ***8,350**	*3750 ***8,350**	6150 **240**
6000 mm **240 in**	kg **lb**							*4950 ***10,900**	*4950 ***10,900**			*3500 ***7,650**	*3500 ***7,650**	7290 **290**
4500 mm **180 in**	kg **lb**							*5450 ***11,850**	5200 **11,200**	*5150 ***10,950**	3700 **7,900**	*3400 ***7,500**	3350 **7,350**	7990 **320**
3000 mm **120 in**	kg **lb**					*7950 ***17,150**	7600 **16,350**	*6250 ***13,600**	5000 **10,750**	*5450 ***11,900**	3600 **7,750**	*3500 ***7,650**	3050 **6,700**	8360 **330**
1500 mm **60 in**	kg **lb**					*9650 ***20,800**	7100 **15,300**	*7100 ***15,400**	4750 **10,250**	5400 **11,650**	3500 **7,500**	*3700 ***8,100**	2950 **6,450**	8450 **340**
0 mm **0 in**	kg **lb**			*5800 ***13,250**	*5800 ***13,250**	*10 600 ***22,900**	6850 **14,700**	7350 **15,850**	4600 **9,900**	5350 **11,450**	3400 **7,300**	*4100 ***9,000**	3000 **6,550**	8260 **330**
–1500 mm **–60 in**	kg **lb**	*6150 ***13,800**	*6150 ***13,800**	*10 000 ***22,700**	*10 000 ***22,700**	*10 700 ***23,150**	6750 **14,550**	7300 **15,650**	4550 **9,750**	5300 **11,400**	3400 **7,250**	*4800 ***10,600**	3250 **7,100**	7780 **310**
–3000 mm **–120 in**	kg **lb**	*10 600 ***23,800**	*10 600 ***23,800**	*14 150 ***30,650**	13 150 **28,150**	*10 000 ***21,600**	6800 **14,650**	7300 **15,750**	4550 **9,800**			5950 **13,200**	3800 **8,400**	6950 **280**
–4500 mm **–180 in**	kg **lb**			*11 300 ***24,200**	*11 300 ***24,200**	*8150 ***17,300**	7000 **15,100**					*6150 ***13,500**	5200 **11,700**	5600 **220**

* **ISO 10567:2007**

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	4.2 mt (9,260 lb) Counterweight Reach Boom
		mm	in	m^3	yd^3	kg	lb	%	R2.9 (9'6")
Pin-On (No Quick Coupler)									
Utility Duty	B	600	24	0.39	0.51	503	1,108	100	●
	B	900	36	0.65	0.84	613	1,351	100	●
	B	1200	48	0.95	1.24	733	1,615	100	●
General Duty	B	600	24	0.46	0.60	550	1,212	100	●
	B	750	30	0.64	0.84	621	1,368	100	●
	B	1000	39	0.93	1.22	717	1,580	100	●
	B	1050	42	1.00	1.31	737	1,624	100	●
	B	1050	42	1.00	1.31	737	1,624	100	●
	B	1200	48	1.19	1.56	807	1,778	100	◉
Heavy Duty	B	600	24	0.46	0.61	635	1,400	100	●
	B	750	30	0.64	0.84	737	1,625	100	●
	B	900	36	0.81	1.06	818	1,804	100	●
	B	1050	42	1.00	1.31	872	1,923	100	●
	B	1200	48	1.19	1.56	929	2,048	100	◉
Clean Up	B	1800	72	1.60	2.09	979	2,157	100	○
	B	2000	78	1.76	2.31	1045	2,303	100	○
	B	2000	78	1.76	2.31	1045	2,303	100	○
Ditch Cleaning Tilt	B	1800	72	1.40	1.83	1105	2,437	100	⊖
						Maximum load with pin-on (payload + bucket)		kg	3180
								lb	7,011

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/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)

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.

(continued on next page)

Bucket Specifications and Compatibility *(continued)*

	Linkage	Width		Capacity		Weight		Fill	4.2 mt (9,260 lb) Counterweight Reach Boom
		mm	in	m^3	yd^3	kg	lb	%	R2.9 (9'6")
With Cat Pin Grabber Coupler									
Utility Duty	B	600	24	0.39	0.51	503	1,108	100	●
	B	900	36	0.65	0.84	613	1,351	100	●
	B	1200	48	0.95	1.24	733	1,615	100	●
General Duty	B	600	24	0.46	0.60	550	1,212	100	●
	B	750	30	0.64	0.84	621	1,368	100	●
	B	1000	39	0.93	1.22	717	1,580	100	●
	B	1050	42	1.00	1.31	737	1,624	100	●
	B	1050	42	1.00	1.31	737	1,624	100	●
	B	1200	48	1.19	1.56	807	1,778	100	⊖
	B	1400	55	1.43	1.87	874	1,926	100	○
	B	1500	60	1.58	2.06	914	2,014	100	○
Heavy Duty	B	600	24	0.46	0.61	635	1,400	100	●
	B	750	30	0.64	0.84	737	1,625	100	●
	B	900	36	0.81	1.06	818	1,804	100	●
	B	1050	42	1.00	1.31	872	1,923	100	◉
	B	1200	48	1.19	1.56	929	2,048	100	⊖
	B	1350	54	1.38	1.81	1036	2,284	100	○
	B	1500	60	1.58	2.06	1094	2,412	100	◇
Clean Up	B	1800	72	1.60	2.09	979	2,157	100	◇
	B	2000	78	1.76	2.31	1045	2,303	100	◇
	B	2000	78	1.76	2.31	1045	2,303	100	◇
Ditch Cleaning Tilt	B	1800	72	1.40	1.83	1105	2,437	100	⊖
Maximum load with coupler (payload + bucket)								kg	2760
								lb	6,086

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/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)

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.

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 | † Allowed usage on machine less than 50%

PIN-ON ATTACHMENTS		
Counterweight		**4.2 mt (9,260 lb)**
Boom Type		**Reach**
Stick Length		**R2.9 (9'6")**
Hydraulic Hammers	H115 GC	✓
	H115 GC S	✓
	H115 S	✓
	H120 GC	✓
	H120 GC S	✓
	H120 S	✓
	H130 S	✓†
Demolition and Sorting Grapples	G318	✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓
Pulverizers	P218 Secondary Pulverizer	✓
Compactors (Vibratory Plate)	CVP110	✓
Rotary Cutters	RC20	✓
CAT PIN GRABBER COUPLER ATTACHMENTS		
Counterweight		**4.2 mt (9,260 lb)**
Boom Type		**Reach**
Stick Length		**R2.9 (9'6")**
Hydraulic Hammers	H115 GC	✓
	H115 GC S	✓
	H115 S	✓
	H120 GC	✓†
	H120 GC S	✓†
	H120 S	✓†
	H130 GC	✓†*
	H130 GC S	✓†
	H130 S	✓†
Demolition and Sorting Grapples	G318	✓
Pulverizers	P218 Secondary Pulverizer	✓
Compactors (Vibratory Plate)	CVP110	✓
Rotary Cutters	RC20	✓
BOOM-MOUNT ATTACHMENTS		
Counterweight		**4.2 mt (9,260 lb)**
Boom Type		**Reach**
Mobile Scrap and Demolition Shears	S3035 Flat Top	✓

320 GC Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional
BOOM, STICKS AND LINKAGES		
5.7 m (18'8") Reach boom	✓	
2.9 m (9'6") Reach stick	✓	
Bucket linkage, B1-family with lifting eye	✓	
CAB		
Rollover Protective Structure (ROPS)	✓	
Operator Protective Guard (OPG)		✓
High-resolution 203 mm (8") LCD touchscreen monitor	✓	
Auto bi-level air conditioner	✓	
Keyless push-to-start engine control	✓	
Height-adjustable console, three steps with tool	✓	
Fixed left-side console	✓	
Air-suspension seat	✓	
51 mm (2") seat belt	✓	
Console mounted Bluetooth® radio with USB ports	✓	
24V DC outlet	✓	
Document storage	✓	
Overhead storage and rear storage with nets	✓	
Beverage holder	✓	
Cup holder	✓	
Openable two-piece front window	✓	
Rear window emergency exit	✓	
Radial wiper with washer	✓	
Openable steel hatch	✓	
LED dome light	✓	
Roller front sunscreen	✓	
Roller rear sunscreen		✓
Washable floor mat	✓	
Beacon ready	✓	

[1]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.

	Standard	Optional
CAT TECHNOLOGY		
VisionLink™	✓[1]	
Remote Flash	✓	
ELECTRICAL SYSTEM		
1,000 CCA maintenance-free batteries (×2)	✓	
Centralized electrical disconnect switch	✓	
Programmable time-delay LED working lights	✓	
LED chassis light and Left Hand (LH) boom light – 850 lumens	✓	
LED chassis light, left hand (LH) and right hand (RH) boom lights, cab lights – 850 lumens		✓
ENGINE		
Cat C4.4 single turbo diesel engine	✓	
Two selectable power modes	✓	
Automatic engine speed control	✓	
Auto engine idle shutdown	✓	
Work up to 3000 m (9,840 ft) above sea level without engine power de-rating	✓	
52° C (125° F) high-ambient cooling capacity	✓	
Cold starting capability for –32° C (–25° F)	✓	
Double element air filter with integrated pre-cleaner	✓	
Electric fuel priming pump	✓	
Electric cooling fans with auto-reverse function	✓	

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
HYDRAULIC SYSTEM		
Boom and stick regeneration circuits	✓	
Boom and stick lowering check valves	✓	
Electronic main control valve	✓	
Auto warm up	✓	
Auto two-speed travel	✓	
Boom and stick drift reduction valve	✓	
Element type main hydraulic filter	✓	
Slider joysticks	✓	
Tandem type electronic main pump	✓	
Fine swing control	✓	
Tool Control (two pump, one/two way high-pressure flow)	✓	
Hammer return circuit		✓
Quick coupler circuit for Cat pin grabber	✓	
Operating pattern film (two way)	✓	
SAFETY AND SECURITY		
Auto hammer stop	✓	
Rearview and right-hand-sideview cameras	✓	
Neutral lever (lock out) for all controls	✓	
Anti-skid plate and countersunk bolts on service platform	✓	
Ground-level accessible secondary engine shutoff switch in cab	✓	
Lockable disconnect switch	✓	
RH handrail and handhold	✓	
Travel alarm	✓	
Swing alarm		✓
Inspection lighting		✓

	Standard	Optional
SERVICE AND MAINTENANCE		
S·O·S℠ ports	✓	
Grouped location for engine oil and fuel filters	✓	
Ground-level second dipstick for engine oil	✓	
Side entry to service platform	✓	
Radiator screen		✓
Integrated vehicle health management system	✓	
UNDERCARRIAGE AND STRUCTURES		
600 mm (24") triple grouser track shoes	✓	
Tie-down points on base frame	✓	
Segmented track guiding guards	✓	
Bottom guards	✓	
Swivel guard		✓
Travel motor guards	✓	
Grease lubricated track links	✓	
4.2 mt (9,260 lb) counterweight	✓	

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Lower radial wiper
- Rain protector plus cab light cover
- Polycarbonate roof hatch
- Sun visor, slider
- Laminated P5A glass front windshield
- LH/RH electrical pedal for tool control
- Armrest kit
- Dual exit rear window kit
- 75 mm (3") retractable seat belt
- Lunch box net
- Rear storage
- Tool box

GUARDS

- Swivel guard
- Side rubber bumper guard
- Operator Protective Guards
- Mesh guard full front
- Mesh guard half front
- Full protecting vandalism guard

MAINTENANCE

- Duct ready kit

SAFETY AND SECURITY

- Bluetooth receiver

320 GC 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® C4.4 engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:
  - ✓ 100% 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.

**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.*

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg (1.9 lb) of refrigerant which has a CO_2 equivalent of 1.216 metric tonnes (1.340 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) – 99 dB(A)
ISO 6396:2008 (inside cab) – 70 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
  - Extended service intervals help decrease maintenance costs
  - Programmable high-efficiency cooling fans run only when needed
  - The latest hydraulic oil filter provides longer life with a 3,000-hour replacement interval

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

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

AEXQ3973-01 (11-2025)
Replaces: AEXQ3973-00
Build Number: 07H
(Aus-NZ)