

395 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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395 Hydraulic Excavator Specifications

Engine		
Engine Model	Cat [®] C18	
Net Power – ISO 9249	404 kW	542 hp
Engine Power – ISO 14396	405 kW	543 hp
Bore	145 mm	6 in
Stroke	183 mm	7 in
Displacement	18.1 L	1,105 in ³
Biodiesel capability	Up to B200	1)

Biodiesel capability

- Meets U.S. EPA Tier 4 Final, EU Stage V, Korea 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.
- ⁽¹⁾Cat 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)*
 - ✓ 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.

Swing Mechanism

Swing Speed	6.26 rpm	
Maximum Swing Torque	362 kN∙m	267,333 lbf·ft

Weights

Operating Weight 91 800 kg 202,400 lb

• Long Variable Gauge undercarriage, General Purpose (GP) boom, GP3.7HB2 (12'2") stick, Severe Duty (SD) 5.2 m³ (6.8 yd³) bucket, 650 mm (26") double grouser shoes and 15.45 mt (34,060 lb) counterweight.

Track

Standard Track Shoes Width	650 mm	26 in
Optional Track Shoes Width	750 mm	30 in
Number of Shoes (each side)	51	
Number of Track Rollers (each side)	9	
Number of Carrier Rollers (each side)	3	

Drive

Maximum Gradeability	35°/70%	
Maximum Travel Speed	4.6 km/h	2.8 mph
Maximum Drawbar Pull	581 kN	130,614 lbf

Hydraulic System

Main System – Maximum Flow – Implement	1064 L/min (532 × 2 pumps)	281 gal/min (141 × 2 pumps)
Swing System – Maximum Flow	295 L/min	78 gal/min
Maximum Pressure – Equipment – Implement	37 000 kPa	5,366 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	31 000 kPa	4,496 psi
Boom Cylinder – Bore	210 mm	8 in
Boom Cylinder – Stroke	1967 mm	77 in
Stick Cylinder – Bore	225 mm	9 in
Stick Cylinder – Stroke	2262 mm	89 in
HB2 Bucket Cylinder – Bore	200 mm	8 in
HB2 Bucket Cylinder – Stroke	1451 mm	57 in
JC Bucket Cylinder – Bore	220 mm	9 in
JC Bucket Cylinder – Stroke	1586 mm	62 in

Service Refill Capacities

Fuel Tank Capacity	1220 L	322 gal
Cooling System	71 L	19 gal
Engine Oil (with filter)	67 L	18 gal
Swing Drive (each)	24 L	6 gal
Final Drive (each)	20 L	5 gal
Hydraulic System (including tank)	740 L	195 gal
Hydraulic Tank (including suction pipe)	372 L	98 gal
Diesel Exhaust Fluid (DEF) Tank	80 L	21 gal

Standards

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

Sound Performance

ISO 6395:2008 (external)	109 dB(A)
ISO 6396:2008 (inside cab)	73 dB(A)

• Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/ windows open) for extended periods or in a noisy environment.

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.0 kg of refrigerant, which has a CO₂ equivalent of 1.43 metric tonnes.

Operating Weights and Ground Pressures

	650 mm (26") Double Grouser Shoes		750 mm (30") Double Grouser Shoe		
	Weight	Ground Pressure	Weight	Ground Pressure	
Base Machine Configurations	kg	kPa	kg	kPa	
	(lb)	(psi)	(lb)	(psi)	
Base Frame with Track Rollers and Carrier Rollers					
15.45 mt (34,060 lb) counterweight + Long Variable Gauge Undercarriage Base	Machine				
GP Boom + GP3.7HB2 (12'2") Stick + 5.2 m ³ (6.8 yd ³) SD bucket	91 800	128.2	92 700	112	
	(202,400)	(18.6)	(204,300)	(16.3)	
Mass Boom + M3.4JC (11'2") Stick + 6.5 m ³ (8.5 yd ³)	94 500	128.3	95 300	112.2	
Severe Duty – V Edge (SDV) bucket	(208,200)	(18.6)	(210,200)	(16.3)	
Mass Boom + M2.92JC (9'7") Stick + 6.5 m ³ (8.5 yd ³) SDV bucket	94 400	128.2	95 300	112.1	
	(208,100)	(18.6)	(210,100)	(16.3)	

Major Component Weights

	kg	lb
Base Machine Weight: including upperframe, undercarriage, counterweight, boom cylinders, without boom, stick, bucket, stick cylinder, bucket cylinder, tracks, fuel tank, operator		
With 15.45 mt (34,060 lb) Counterweight, Swing Frame, Base Frame with Track Rollers and Carrier Rollers	62 260	137,250
Track Shoes:		
650 mm (26") Width, 20.5 mm (0.8") Thick, Double Grouser Track Shoes	9290	20,470
750 mm (30") Width, 20.5 mm (0.8") Thick, Double Grouser Track Shoes	10 160	22,400
Two Boom Cylinders	1820	4,010
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	1010	2,230
Counterweight:		
15.45 mt (34,060 lb) Counterweight	15 450	34,060
Swing Frame	9100	20,060
Long Variable Gauge Undercarriage:		
Base Frame with Track Rollers and Carrier Rollers for Long Variable Gauge Undercarriage	24 170	53,290
Booms (including lines, pins, stick cylinder):		
Mass Boom 7.25 m (23'9")	8560	18,880
GP Boom 8.4 m (27'7")	9310	20,530
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Mass Stick M2.92JC (9'7")	5510	12,150
Mass Stick M3.4JC (11'2")	5550	12,240
GP Stick GP3.7HB2 (12'2")	4760	10,480
Buckets (without linkage):		
5.2 m ³ (6.8 yd ³) SD	5190	11,440
6.5 m ³ (8.5 yd ³) Severe Duty V-Edge (SDV)	7790	17,170

Dimensions

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



Boom Options	GP Bo 8.4 m (2				: Boom 1 (23'9")	
Stick Options	GP Sti GP3.7HD2	M3.4JC (*		s Stick M2.92JC (9'7")		
1 Machine Height:						
Top of Cab Height	3670 mm	12'0"	3670 mm	12'0"	3670 mm	12'0"
Top of OPG Height	3810 mm	12'6"	3810 mm	12'6"	3810 mm	12'6"
Handrails Height	3750 mm	12'4"	3750 mm	12'4"	3750 mm	12'4"
With Boom/Stick/Bucket Installed	5160 mm	16'11"	5330 mm	17'6"	5330 mm	17'6"
With Boom/Stick Installed	4900 mm	16'1"	4660 mm	15'3"	4560 mm	15'0"
With Boom Installed	4070 mm	13'4"	3940 mm	12'11"	3940 mm	12'11"
With Boom/Stick/Bucket Installed (with auxiliary lines)	5170 mm	17'0"	5350 mm	17'7"	5350 mm	17'7"
With Boom/Stick Installed (with auxiliary lines)	4900 mm	16'1"	4730 mm	15'6"	4630 mm	15'2"
With Boom Installed (with auxiliary lines)	4140 mm	13'7"	4010 mm	13'2"	4010 mm	13'2"
2 Machine Length:						
With Boom/Stick/Bucket Installed	15 110 mm	49'7"	13 890 mm	45'7"	13 990 mm	45'11"
With Boom/Stick Installed	15 080 mm	49'6"	13 850 mm	45'5"	13 800 mm	45'3"
With Boom Installed	13 160 mm	43'2"	11 980 mm	39'4"	11 980 mm	39'4"
With Boom/Stick/Bucket Installed (with auxiliary lines)	15 110 mm	49'7"	13 890 mm	45'7"	13 990 mm	45'11"
With Boom/Stick Installed (with auxiliary lines)	15 080 mm	49'6"	13 850 mm	45'5"	13 800 mm	45'3"
With Boom Installed (with auxiliary lines)	13 150 mm	43'2"	11 990 mm	39'4"	11 990 mm	39'4"
3 Upperframe Width:						
Without Walkways	3490 mm	11'5"	3490 mm	11'5"	3490 mm	11'5"
With Walkways	4510 mm	14'10"	4510 mm	14'10"	4510 mm	14'10"
Walkways Width	500 mm	1'8"	500 mm	1'8"	500 mm	1'8"
4 Tail Swing Radius	4840 mm	15'11"	4840 mm	15'11"	4840 mm	15'11"
5 Counterweight Clearance	1640 mm	5'5"	1640 mm	5'5"	1640 mm	5'5"
6 Ground Clearance	830 mm	2'9"	830 mm	2'9"	830 mm	2'9"

(continued on next page)

Dimensions

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



Boom Options	GP Bo 8.4 m (2			Mass 7.25 m		
Stick Options	GP St		Mass Stick			
	GP3.7HD2	2 (12'2")	M3.4JC	(11'2")	M2.92J0	; (9'7")
7 Track Length – Length to Center of Rollers	5120 mm	16'10"	5120 mm	16'10"	5120 mm	16'10"
8 Track Length	6350 mm	20'10"	6350 mm	20'10"	6350 mm	20'10"
9 Track Gauge:						
Retracted	2750 mm	9'0"	2750 mm	9'0"	2750 mm	9'0"
Extended	3510 mm	11'6"	3510 mm	11'6"	3510 mm	11'6"
10 Track Width – Retracted:						
650 mm (26") Shoes	3400 mm	11'2"	3400 mm	11'2"	3400 mm	11'2"
750 mm (30") Shoes	3500 mm	11'6"	3500 mm	11'6"	3500 mm	11'6"
Track Width – Extended:						
650 mm (26") Shoes	4160 mm	13'8"	4160 mm	13'8"	4160 mm	13'8"
750 mm (30") Shoes	4260 mm	14'0"	4260 mm	14'0"	4260 mm	14'0"
11 Undercarriage Width – Retracted (with steps):						
650 mm (26") Shoes	3690 mm	12'1"	3690 mm	12'1"	3690 mm	12'1"
750 mm (30") Shoes	3690 mm	12'1"	3690 mm	12'1"	3690 mm	12'1"
Undercarriage Width – Extended (with steps):						
650 mm (26") Shoes	4450 mm	14'7"	4450 mm	14'7"	4450 mm	14'7"
750 mm (30") Shoes	4450 mm	14'7"	4450 mm	14'7"	4450 mm	14'7"
Bucket Type	SE)	SD	V	SDV	
Bucket Capacity	5.20 m ³	6.80 yd ³	6.50 m ³	8.50 yd ³	6.50 m ³	8.50 yd ³
Bucket Tip Radius	2440 mm	8'0"	2530 mm	8'4"	2530 mm	8'4"

Working Ranges

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



Boom Options	GP B 8.4 m (Mass Boom 7.25 m (23'9")				
Stick Options	GP S			Mass Stick				
	GP3.7HD	2 (12'2")	M3.4J0	; (11'2")	M2.92	IC (9'7")		
1 Maximum Digging Depth	8970 mm	29'5"	7660 mm	25'2"	7190 mm	23'7"		
2 Maximum Reach at Ground Line	14 060 mm	46'2"	12 700 mm	41'8"	12 260 mm	40'3"		
3 Maximum Cutting Height	13 200 mm	43'4"	12 590 mm	41'4"	12 370 mm	40'7"		
4 Maximum Loading Height	8960 mm	29'5"	8190 mm	26'10"	7960 mm	26'1"		
5 Minimum Loading Height	3730 mm	12'3"	3190 mm	10'6"	3660 mm	12'0"		
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	8850 mm	29'0"	7530 mm	24'8"	7050 mm	23'2"		
7 Maximum Vertical Wall Digging Depth	5860 mm	19'3"	4970 mm	16'4"	4580 mm	15'0"		
Bucket Digging Force (ISO)	383 kN	86,120 lbf	498 kN	111,950 lbf	497 kN	111,730 lbf		
Stick Digging Force (ISO)	342 kN	76,930 lbf	360 kN	80,920 lbf	394 kN	88,570 lbf		
Bucket Type	S	D	SI	OV	SI	OV		
Bucket Capacity	5.20 m ³	6.80 yd ³	6.50 m ³	8.50 yd ³	6.50 m ³	8.50 yd3		
Bucket Tip Radius	2440 mm	8'0"	2530 mm	8'4"	2530 mm	8'4"		

Bucket Specifications and Compatibility

		Wi	dth	Capa	acity	We	ight	Fill	GP Boom	Mass Boom		
	Linkage	mm	in	m ³	yd ³	kg	lb	%	GP3.7 (12'2")	M2.92 (9'7")	M3.4 (11'2")	
Pin-On (No Quick Coupler)												
Severe Duty	HB2	1750	69	3.90	5.10	4130	9,105	90				
	HB2	2000	79	4.60	6.02	4517	9,959	90				
Extreme Duty	HB2	1750	69	3.88	5.07	5065	11,166	90				
Severe Duty	JC	2000	79	4.60	6.02	6040	13,316	90				
	JC	2300	91	5.26	6.88	6734	14,846	90			۲	
		Maxim	num load	d with pi	n-on (pa	yload +	bucket)	kg	13 146	17 340	15 964	
								lb	28,981	38,229	35,195	

The above loads are in compliance with hydraulic excavator standard EN474-5:2006+A3:2013, 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.

Maximum Material Density:

2100 kg/m³ (3,500 lb/yd³)

1800 kg/m³ (3,000 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.

Attachments Offering Guide

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

\checkmark	Match	No Match

PIN-ON ATTACHMENTS

Boom Type		GP	Mass	Mass
Stick Length		HD GP3.7 (12'2")	M2.92 (9'7")	M3.4 (11'2")
Hydraulic Hammers	H215 S	\checkmark	\checkmark	✓
Mobile Scrap and Demolition Shears	S3070 Flat Top	\checkmark	√	\checkmark
	S3090 Flat Top	\checkmark	\checkmark	√

CAT PIN GRABBER COUPLER ATTACHMENTS		
Boom Type		GP
Stick Length		HD 3.70 m (12'2")
Hydraulic Hammers H	[215 S	\checkmark
Mobile Scrap and Demolition Shears S	3070 Flat Top	\checkmark

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, GP, GP3.7HB2 (12'2") stick, SD 5.2 m³ (6.8 yd³) bucket, 650 mm (26") double grouser shoes and 15 450 kg (34,060 lb) counterweight.

	Passes Required to Fill Trucks to Rated Capacity											
				Cat Articulated Trucks Cat Off-Highway Trucks						S		
Material Type	Material Density	Fill Factor	730 EJ	730	735	740 GC	740 EJ	745	770G	772G	773G	775G
Earth	1600 kg/m3 (2,700 lb/yd3)	100%			3-4	4-5	4-5	5	4-5	5-6	6-7	8
Limestone	1540 kg/m ³ (2,600 lb/yd ³)	90%	3-4	4	4-5	5	5	5-6	5	6-7	7-8	

*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.

Configuration*:

Long Variable Gauge undercarriage, Mass boom, M2.92JC (9'7") stick, SDV 6.5 m³ (8.5 yd³) bucket, 650 mm (26") double grouser shoes and standard counterweight.

Passes Required to Fill Trucks to Rated Capacity

			Cat Articulated Trucks					Cat O	ff-Highway 1	Frucks	
Material Type	Material Density	Fill Factor	735	740 GC	740 EJ	745	770G	772G	773E	773G	775G
Earth	1600 kg/m ³ (2,700 lb/yd ³)	100%			3-4	4	3-4	4-5	5-6	5-6	6
Limestone	1540 kg/m ³ (2,600 lb/yd ³)	90%	3-4	4	4-5	4-5	4-5	5	6	6	7

*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.

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optiona
BOOMS, STICKS AND LINKAGES			CAT TECHNOLOGY		
7.25 m (23'9") Mass boom		\checkmark	Cat Equipment Management:		
8.4 m (27'7") GP boom	\checkmark		– VisionLink®	√5	
2.92 m (9'7") Mass stick		\checkmark	- VisionLink Productivity		√ ⁶
3.4 m (11'2") Mass stick		\checkmark	– Remote Flash	✓	
3.7 m (12'2") Heavy Duty (HD) stick	\checkmark		– Remote Troubleshoot	√	
Bucket linkage, HB2 type without lifting eye	\checkmark		- Work tool recognition and tracking (PL161)	\checkmark	
Bucket linkage, JC type without lifting eye		\checkmark	- Operator Coaching		√7
САВ			Cat Grade:		
Sound suppressed cab with	√		- Cat Grade with 2D	√	
viscous mounts	•		- Cat Grade with 2D with Attachment		✓
High-resolution 254 mm (10")	√		Ready Option (ARO)		
LCD touch screen monitor			– Laser catcher		✓
Additional high-resolution LCD touch screen monitor for Cat Grade 2D and 3D		\checkmark	- Cat Grade with 3D (single or dual Global Navigation Satellite System [GNSS])		✓
Automatic bi-level air conditioner	\checkmark		- Compatible with 3D grade systems	√	
Jog dial and shortcut keys for	✓		from Trimble, Topcon, and Leica		
monitor control			- Cat Grade 3D Ready		✓
Keyless push-to-start engine control	\checkmark		- Cat Grade Connectivity		√6
Height-adjustable console, infinite with	\checkmark		Cat Assist:		
no tool	✓		- Grade Assist	✓	
Tilt-up left-side console	V		– Boom Assist	\checkmark	
Cat Stick Steer		✓ ✓	-Bucket Assist	✓	
Auxiliary relay	/	v	- Swing Assist	· · · · · · · · · · · · · · · · · · ·	
Heated and cooled seat with automatic adjustable suspension	\checkmark		– Lift Assist	· ✓	
51 mm (2") orange seat belt	√		Cat Payload:	•	
Bluetooth [®] integrated radio (including	√		- On-the-go weighing	✓	
USB, auxiliary port and microphone)			– Semiautomatic calibration	 ✓	
2×12 V DC outlets	\checkmark				
Cup holder and storage compartments	\checkmark		- Payload/cycle information	\checkmark	
Fixed one-piece windshield	\checkmark		- VisionLink Productivity back office		√ ⁶
Parallel wiper with washer	\checkmark		reporting		
Fixed glass laminated skylight	\checkmark		Cat Advanced Payload:		
LED dome light	✓		-Daily totals		✓
Floor welcome light	\checkmark		- Custom lists		√
Roller front sunscreen	\checkmark		– Smart weight target		~
Roller rear sunscreen	√		- E-ticket Integration		√6
Rear window emergency exit	\checkmark		Other:		
Washable floor mat	✓		Cat Tiltrotator (TRS) integration		\checkmark

⁵Provides 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.

⁶VisionLink subscription required. Consult your Cat dealer for details. ⁷VisionLink subscription required for back office reporting. Consult your Cat dealer for details.

Standard and Optional Equipment (continued)

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

	Standard	Optional
ELECTRICAL SYSTEM		
Maintenance-free 1,400 CCA batteries (×2)	\checkmark	
Centralized electrical disconnect switch	\checkmark	
Chassis light	\checkmark	
LED boom and cab lights		\checkmark
1,800 lumen LED premium surround lights		\checkmark
ENGINE		
Cold start block heater		\checkmark
Three selectable modes: Power, Smart, Eco	\checkmark	
Automatic engine speed control	\checkmark	
Up to 4500 m (14,760 ft) altitude capability	\checkmark	
52° C (126° F) high-ambient cooling capacity	\checkmark	
-18° C (-0.4° F) cold start capability	\checkmark	
-32° C (-25° F) cold start capability		\checkmark
Hydraulic reverse fan	\checkmark	
Double element air filter with integrated pre-cleaner	\checkmark	
Three vertical side-by-side cooling system	\checkmark	
95 Amp alternator	\checkmark	
DEF Tank	\checkmark	
HYDRAULIC SYSTEM		
Boom and stick regeneration circuit	\checkmark	
Electronic main control valve	\checkmark	
Dedicated closed loop swing circuit	\checkmark	
Automatic hydraulic oil warmup	\checkmark	
Automatic swing parking brake	\checkmark	
Anti-reaction valve	\checkmark	
High performance hydraulic return filter	\checkmark	
Two speed travel	\checkmark	
Advanced tool control		✓
Hydraulic efficiency monitoring		\checkmark

	Standard	Optional
SAFETY AND SECURITY		
Cat Command (remote control)		\checkmark
2D E-Fence:	\checkmark	
– E-ceiling		
– E-floor – E-swing		
– E-wall		
 E-cab avoidance 		
Auto hammer stop enhancement	\checkmark	
Lockable external tool/storage box	\checkmark	
Lockable door, fuel, and hydraulic	\checkmark	
tank locks		
Lockable fuel drain compartment	√	
Lockable disconnect switch	\checkmark	
Service platforms with anti-skid plate	\checkmark	
Full handrail mount on platform	\checkmark	
Mirror package	\checkmark	
Signaling/warning horn	\checkmark	
Travel alarm		\checkmark
Swing alarm		\checkmark
Ground-level secondary engine	\checkmark	
shutoff switch		
Rear and right-hand-sideview cameras	\checkmark	
360° visibility		✓
Inspection lighting		\checkmark
SERVICE AND MAINTENANCE		
Integrated vehicle health	\checkmark	
management system		
Auto lube ready	~	
Reversing cooling fan	\checkmark	
Grouped location for engine oil and fuel filters	\checkmark	
Scheduled Oil Sampling (S·O·S SM) ports	v	
QuickEvac [™] maintenance ready		✓
UNDERCARRIAGE AND STRUCTURES	,	
Long variable gauge undercarriage	√	
650 mm (26") double grouser track shoes	✓	
750 mm (30") double grouser track shoes		✓
Grease lubricated track	\checkmark	
Two-piece full-length track guiding guards		✓
Swivel guard	\checkmark	
HD bottom guard	\checkmark	
HD travel motor guard	\checkmark	
15.45 mt (34,060 lb) counterweight	\checkmark	
Towing eye on base frame	\checkmark	

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Joystick with horizontal sliders
- 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)

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
- Rain protector for front windshield plus cab light cover

OTHER ATTACHMENTS

• GNSS antennae

395 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[®] C18 engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea 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) or 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.

- *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.

Air Conditioning System

• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.0 kg (2.2 lb) of refrigerant which has a CO_2 equivalent of 1.43 metric tonnes (1.576 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) – 109 dB(A)	
ISO 6396:2008 (inside cab) – 73 dB(A)	

• Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/ windows open) for extended periods or in a noisy environment.

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 minimizes fuel consumption for light applications
- One-touch low idle with automatic engine speed control
- Extended maintenance intervals reduce fluid and filter consumption

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	89.46%
Iron	5.97%
Nonferrous Metal	1.26%
Mixed Metal	0.08%
Mixed-Metal and Nonmetal	0.74%
Plastic	0.11%
Rubber	0.35%
Mixed Nonmetallic	0.24%
Fluid	1.27%
Other	0.52%
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%



395 Long Reach Hydraulic Excavator

Maximum Reach. Greater Production. Reinforced Durability.

The Cat[®] 395 Long Reach Excavator (LRE) combines premium performance and simple-to-use technology with steep slope capability reaching out to 28 m (91'10") and dig depth of 21 700 mm (71'2"). The long undercarriage with the frame extension and 21.6 mt (47,600 lb) counterweight provide a stable platform for long-reach digging. This machine excels in the ultimate long-distance dredging, ditch cleaning, settling pond clean out, waterway and canal maintenance as well as vegetation control.



395 LRE Hydraulic Excavator Specifications

Engine		
Engine Model	Cat [®] C18	
Net Power		
ISO 9249	404 kW	542 hp
ISO 9249 (DIN)	550 hp (me	etric)
Engine Power		
ISO 14396	405 kW	543 hp
ISO 14396 (DIN)	551 hp (me	etric)
Bore	145 mm	6 in
Stroke	183 mm	7 in
Displacement	18.1 L	1105 in ³
Biodiesel capability	Up to B200	1)

- Meets U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 and Korea Stage V emission standards.
- Recommended for use up to 4500 m (14,764 ft) altitude with engine power derate above 3000 m (9,842.5 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.
- Rated speed at 1,900 rpm
- ⁽¹⁾Cat 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)*
 - ✓ 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.

Swing MechanismMaximum Swing Torque362.5 kN·m267,333 lbf·ft

Weights

Operating Weight

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113 300 kg 249,700 lb
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• Long Undercarriage with frame extension, LRE Boom, LRE 11.8 m (38'9") stick, Heavy Duty (HD) 1.97 m³ (2.58 yd³) bucket, 900 mm (35") double grouser shoes, and 21.6 mt (47,600 lb) counterweight.

Track

Standard Track Shoes Width	900 mm	35 in
Optional Track Shoes Width	650 mm	26 in
Optional Track Shoes Width	750 mm	30 in
Number of Shoes (each side)	51	
Number of Track Rollers (each side)	9	
Number of Carrier Rollers (each side)	3	

Drive

Gradeability	30°/58%	
Maximum Travel Speed	4.6 km/h	2.8 mph
Maximum Drawbar Pull	581 kN	130,614 lbf

Hydraulic System

Main System – Maximum Flow	1064 L/min	281 gal/min
(Implement)	(532 ×	(141 ×
	2 pumps)	2 pumps)
Main System – Maximum Flow	1008 L/min	266 gal/min
(Implement)	(504 ×	(133 ×
	2 pumps)	2 pumps)
Swing System – Maximum Flow	295 L/min	78 gal/min
Swing System – Maximum Flow	279 L/min	74 gal/min
Maximum Pressure – Equipment –	37 000 kPa	5,366 psi
Implement		
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	31 000 kPa	4,496 psi
Boom Cylinder – Bore	210 mm	8 in
Boom Cylinder – Stroke	1967 mm	77 in
Stick Cylinder – Bore	220 mm	8.7 in
Stick Cylinder – Stroke	2262 mm	89 in
CB2 Bucket Cylinder – Bore	135 mm	5 in
CB2 Bucket Cylinder – Stroke	1156 mm	46 in

(continued on next page)

Service	Refill	Capacity	
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Fuel Tank Capacity	1220 L	322.3 gal
Cooling System	71 L	18.8 gal
Engine Oil (with filter)	67 L	17.7 gal
Swing Drive (each)	24 L	6.3 gal
Final Drive (each)	20 L	5.3 gal
Hydraulic System (including tank)	793 L	209.5 gal
Hydraulic Tank (including suction pipe	e) 372 L	98.2 gal
Diesel Exhaust Fluid (DEF) Tank	80 L	21.1 gal

Standards

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

Sound Performance

ISO 6395:2008 (external)	109 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 Caterpillar 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 (Global Warming Potential = 1430). The system contains 1.00 kg of refrigerant which has a CO_2 equivalent 1.430 metric tonne.

Operating Weights and Ground Pressures

		650 mm (26") Double Grouser Shoes				900 mm (35") Double Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	
21.6 mt (47,600 lb) Counterweight + Long Undercarriage v	with Frame Extension	Base Machin	e				
LRE Boom + 11.8 m (38'9") LRE Stick + 1.97 m ³ HD (2.58 yd ³) Bucket	111 300 (245,400)	151.2 (21.9)	112 200 (247,400)	132.1 (19.2)	113 300 (249,700)	111.1 (16.1)	

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

Major Component Weights

	kg	lb
Base Machine Weight (including upperframe, Long undercarriage, counterweight, boom cylinders – without boom, stick, bucket, stick cylinder, bucket cylinder, tracks, fuel, operator)		
Counterweight, Swing Frame, Base Frame with Track Rollers and Carrier Rollers	76 970	169,700
Track Shoes:		
650 mm (26") Width, 20.5 mm (0.8") Thick, Double Grouser Track Shoes	9290	20,470
750 mm (30") Width, 20.5 mm (0.8") Thick, Double Grouser Track Shoes	10 160	22,400
900 mm (35") Width, 20.5 mm (0.8") Thick, Double Grouser Track Shoes	11 220	24,740
Two Boom Cylinders	1820	4,010
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	1010	2,230
Counterweight:		
21.6 mt (47,600 lb) Counterweight	21 600	47,620
Swing Frames:		
Swing Frame	9100	20,060
Long Undercarriage:		
Base Frame with Track Rollers and Carrier Rollers	32 740	72,180
Booms (including lines, pins, stick cylinder):		
15.5 m (50'10") LRE boom	14 510	31,990
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
11.8 m (38'9") LRE stick	5930	13,070
Buckets (without linkage):		
1.97 m ³ (2.58 yd ³) HD	1294	2,853
Frame Extension	8123	17,908

395 LRE Hydraulic Excavator Specifications

Dimensions

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



Boom Option	LRE B	oom	
	15.5 m (50'10")		
Stick Option	LRE Stick		
	11.8 m ((38'9")	
1 Machine Height:			
Cab Height	3910 mm	12'10"	
Opg Height	4050 mm	13'4"	
Handrail Height	3990 mm	13'1"	
With Boom/Stick/Bucket Installed	11 860 mm	38'11"	
With Boom/Stick Installed	11 860 mm	38'11"	
With Boom/Stick/Bucket Installed (with auxiliary lines)	11 860 mm	38'11"	
With Boom/Stick Installed (with auxiliary lines)	11 860 mm	38'11"	
2 Machine Length:			
With Boom/Stick/Bucket Installed	19 900 mm	65'3"	
With Boom/Stick Installed	19 900 mm	65'3"	
With Boom/Stick/Bucket Installed (with auxiliary lines)	19 900 mm	65'3"	
With Boom/Stick Installed (with auxiliary lines)	19 900 mm	65'3"	
3 Upperframe Width			
Without Walkways	3490 mm	11'5"	
With Walkways	4510 mm	14'10"	
Walkways Width	500 mm	1'8"	
4 Tail Swing Radius	4840 mm	15'11"	
5 Counterweight Clearance	1880 mm	6'2"	
Bucket Type	HD		
Bucket Capacity	1.97 m ³	2.58 yd ³	
Bucket Tip Radius	1659 mm	5'5"	

(continued on next page)

Dimensions (continued)

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



Boom Option	LRE B	oom	
	15.5 m		
Stick Option	LRE Stick 11.8 m (38'9")		
6 Ground Clearance	915 mm	3'0"	
7 Length to Center of Rollers	5120 mm	16'10"	
8 Track Length	6350 mm	20'10"	
9 Track Gauge – with Frame Extension	4840 mm	15'11"	
Track Width – with Frame Extension:			
650 mm (26") Shoe	5490 mm	18'0"	
750 mm (30") Shoe	5590 mm	18'4"	
900 mm (35") Shoe	5740 mm	18'10"	
10 Undercarriage Width (with steps) – with Frame Extension:			
650 mm (26") Shoe	5780 mm	19'0"	
750 mm (30") Shoe	5780 mm	19'0"	
900 mm (35") Shoe	5780 mm	19'0"	
Bucket Type	HD		
Bucket Capacity	1.97 m ³	2.58 yd ³	
Bucket Tip Radius	1659 mm	5'5"	

Working Ranges

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



Boom Option	LRE B	oom	
	15.5 m (50'10")		
Stick Option	LRE S	tick	
	11.8 m	(38'9")	
1 Maximum Digging Depth	21 700 mm	71'2"	
2 Maximum Reach at Ground Line	27 820 mm	91'3"	
3 Maximum Cutting Height	20 530 mm	67'4"	
4 Maximum Loading Height	17 580 mm	57'8"	
5 Minimum Loading Height	1980 mm	6'6"	
6 Maximum Vertical Wall Digging Depth	18 290 mm	60'0"	
Bucket Digging Force (ISO)	190 kN	42,600 lbf	
Stick Digging Force (ISO)	144 kN	32,310 lbf	
Bucket Type	HI)	
Bucket Capacity	1.97 m ³	2.58 yd ³	
Bucket Tip Radius	1659 mm	5'5"	

Standard and Optional Equipment

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

	Standard	Optional
BOOMS, STICKS AND LINKAGES	••••••	opnonai
15.5 m (50'10") LRE boom	✓	
11.8 m (38'9") LRE stick	 ✓	
CB2 linkage without lifting eye	√	
Submarine linkage and sticks sensors	✓	
protection		
CAT TECHNOLOGY		
Cat Equipment Management:		
– VisionLink®	√1	
– Remote Flash	\checkmark	
– Remote Troubleshoot	\checkmark	
– Work tool recognition and tracking	√	
(PL161)		
Cat Grade:		
-Cat Grade with 2D	\checkmark	
Cat Payload:		
-On-the-go weighing	\checkmark	
- Semiautomatic calibration	\checkmark	
- Payload/cycle information	\checkmark	
ELECTRICAL SYSTEM		
Maintenance-free 1,400 CCA	\checkmark	
batteries (×2)		
Centralized electrical disconnect switch	\checkmark	
Chassis light	\checkmark	
LED boom and cab lights		\checkmark
1,800 lumen LED premium		✓
surround lights		
ENGINE		
Cold start block heater		\checkmark
Three selectable modes:	\checkmark	
Power, Smart, Eco		
Automatic engine speed control	\checkmark	
Up to 4500 m (14,760 ft) altitude	\checkmark	
capability		
52° C (126° F) high-ambient	\checkmark	
cooling capacity		
–18° C (–0.4° F) cold start capability	\checkmark	
-32° C (-25° F) cold start capability		✓
Hydraulic reverse fan	\checkmark	
Double element air filter with	\checkmark	
integrated pre-cleaner		
Three vertical side-by-side cooling system	\checkmark	
Remote disable	\checkmark	
95 Amp alternator	\checkmark	

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.

	Standard	Optional
HYDRAULIC SYSTEM		
SmartBoom		\checkmark
Boom and stick regeneration circuit	✓	
Electronic main control valve	\checkmark	
Dedicated closed loop swing circuit	\checkmark	
Automatic hydraulic oil warmup	\checkmark	
Automatic swing parking brake	\checkmark	
Anti-reaction valve	✓	
High performance hydraulic return filter	\checkmark	
Two speed travel	\checkmark	
Bio hydraulic oil capability	\checkmark	
Lift Assist	\checkmark	
Advanced tool control		\checkmark
Medium-pressure auxiliary circuit		\checkmark
Quick coupler circuit		✓
Hydraulic efficiency monitoring		✓

(continued on next page)

Standard and Optional Equipment (continued)

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

	Standard	Optional		Standard	Optiona
SAFETY AND SECURITY			SERVICE AND MAINTENANCE		
Caterpillar One Key security system	✓		Integrated vehicle health	✓	
2D E-Fence:	\checkmark		management system		
– E-ceiling			Auto lube ready	\checkmark	
– E-floor			Reversing cooling fan	\checkmark	
– E-swing			Grouped location for engine oil	✓	
– E-wall			and fuel filters		
– E-cab avoidance			Fast-fill fuel system		~
Lockable external tool/storage box	\checkmark		Scheduled Oil Sampling (S·O·S SM) ports	√	
Lockable door, fuel, and hydraulic	\checkmark		QuickEvac [™] maintenance ready		~
tank locks			Electric refueling pump with auto shutoff		~
Lockable fuel drain compartment	\checkmark		UNDERCARRIAGE AND STRUCTURES		
Lockable disconnect switch	~		Long undercarriage	√	
Service platforms with anti-skid plate	\checkmark		650 mm (26") double grouser track shoes	•	✓
Full handrail mount on platform	\checkmark		750 mm (30") double grouser track shoes		•
Mirror package	\checkmark				•
Signaling/warning horn	\checkmark		900 mm (35") double grouser track shoes Grease lubricated track		~
Travel alarm	✓			\checkmark	
Swing alarm		\checkmark	Three-piece segmented track		\checkmark
Ground-level secondary engine	✓		guiding guards Two-piece full-length track guiding guards		
shutoff switch				✓	~
Rear and right-hand-sideview cameras	\checkmark		Swivel guard		
360° visibility		\checkmark	HD bottom guard	✓	
Boom lowering check valve		✓	HD travel motor guard	✓	
Stick lowering check valve		\checkmark	21.6 mt (47,600 lb) counterweight	✓	
Walkway	✓		Towing eye on base frame	\checkmark	
Tilt-up walkway		\checkmark	LRE track extension frame	\checkmark	
Inspection lighting		✓			
Cat Command (remote control)					

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Radial lower wiper (for deluxe cab only)
- Parallel wiper kit (for deluxe cab only)
- Joystick with horizontal sliders
- 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)

SAFETY AND SECURITY

- Bluetooth[®] key fob
- 76 mm (3") retractable seat belt
- Cat Detect People Detection
- 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
- Rain protector for front windshield plus cab light cover

OTHER ATTACHMENTS

- GNSS antennae
- Submarine kit

Cab Options

	Deluxe	Premium
Sound suppressed cab with viscous mounts	•	•
Operator Protective Guards (OPG)	0	0
High-resolution 254 mm (10") LCD touch screen monitor	•	
Additional high-resolution LCD touch screen monitor for Cat Grade 2D and 3D	0	0
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	•	•
Cat Stick Steer	0	0
Auxiliary relay	0	0
Heated seat with air-adjustable suspension	•	Х
Heated and cooled seat with automatic adjustable suspension	Х	•
51 mm (2") orange seat belt	•	•
Bluetooth integrated radio (including USB, auxiliary port and microphone)	•	
2×12 V DC outlets	•	
Cup holder and storage compartments	•	•
Fixed one-piece windshield	Х	0
Openable two-piece front window	•	0
Upper radial wiper with washer	•	Х
Parallel wiper with washer	Х	
Openable polycarbonate skylight hatch	•	0
Fixed glass laminated skylight	Х	0
LED dome light	•	•
Floor welcome light	•	
Roller front sunscreen	•	
Roller rear sunscreen	0	
Rear window emergency exit	•	
Washable floor mat	•	
Beacon ready	•	

Standard

O Optional

X Not available



オフロード法2014年 基準適合 国土交通省 超低騒音型建設機械

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.

AEXQ4026-00 (11-2024) Build Number: 07H (Japan)

