



# HAWK

Reach Beyond, with HAWK.

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## **CAT 330 Excavator**

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## TECHNICAL SPECIFICATIONS

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

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## SPECIFICATIONS

### Engine

Engine Model	Cat® C7.1	
Net Power – ISO 9249	204 kW	273 hp
Engine Power – ISO 14396	205 kW	275 hp
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in <sup>3</sup>

- Meets U.S. EPA Tier 4 Final and EU Stage V 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 tested per ISO 9249. Standards 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 2,200 rpm.

### Swing Mechanism

Swing Speed	11.50 rpm	
Maximum Swing Torque	110 kN·m	81,132 lbf·ft

### Weights

Operating Weight – 600 mm (24") Triple Grouser Shoes	30,000 kg	66,000 lb
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- Long undercarriage, reach boom, R3.2 m (10'6") stick, HD 1.76 m<sup>3</sup> (2.30 yd<sup>3</sup>) bucket, 600 mm (24") triple grouser shoes and 6700 kg (14,770 lb) counterweight.

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### Track

Standard Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
Number of Shoes (each side)	50	
Number of Track Rollers (each side)	9	
Number of Carrier Rollers (each side)	2	

### Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.3 km/h	3.3 mph
Maximum Drawbar Pull	248 kN	55,753 lbf

### Hydraulic System

Main System – Maximum Flow – Implement	560 L/min (280 × 2 pumps)	148 gal/min (74 × 2 pumps)
Maximum Pressure – Equipment – Normal	35 000 kPa	35 000 kPa
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	38 000 kPa
Maximum Pressure – Travel	35 000 kPa	5,075 psi
Maximum Pressure – Swing	29 800 kPa	4,320 psi
Boom Cylinder – Bore	140 mm	6 in
Boom Cylinder – Stroke	1407 mm	55 in
Stick Cylinder – Bore	150 mm	6 in
Stick Cylinder – Stroke	1646 mm	65 in
Bucket Cylinder – Bore	135 mm	5 in
Bucket Cylinder – Stroke	1156 mm	46 in

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### Service Refill Capacities

Fuel Tank Capacity	474 L	125.2 gal
Cooling System	25 L	6.6 gal
Engine Oil	25 L	6.6 gal
Swing Drive	10 L	2.6 gal
Final Drive (each)	5.5 L	1.5 gal
Hydraulic System (including tank)	310 L	81.9 gal
Hydraulic Tank	147 L	38.8 gal
DEF Tank	41 L	10.8 gal

### Standards

Brakes	ISO 10265:2008
Cab/ROPS	ISO 12117-2:2008
FOGS (optional)	ISO 10262-2:1998 Level II

### Sound Performance

ISO 6395:2008 (external)	103 dB(A)
ISO 6396:2008 (inside cab)	70 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.

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## Operating Weights and Ground Pressures

	600 mm (24") Triple Grouser Shoes		600 mm (24") Double Grouser Shoes		700 mm (28") HD Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
<b>Base machine with 6700 kg (14,770 lb) Counterweight and Long Undercarriage</b>						
Reach Boom + R3.2CB2 (10'6") Stick + 1.76 m <sup>3</sup> (2.30 yd <sup>3</sup> ) HD Bucket	30 000 (66,000)	57 (8.3)	30 300 (66,700)	58 (8.4)	30 500 (67,300)	50 (7.2)
Reach Boom + R2.65CB2 (8'8") Stick + 1.76 m <sup>3</sup> (2.30 yd <sup>3</sup> ) HD Bucket	29 900 (65,800)	57 (8.2)	30 200 (66,500)	57 (8.3)	30 400 (67,100)	50 (7.2)

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

## Major Component Weights

	kg	lb
Base machine (6700 kg [14,770 lb] counterweight, upper frame, long undercarriage with HD rollers), with boom cylinders and weight of 90% fuel tank and 75 kg (165 lb) operator included.	21 200	46,700
Track Shoes:		
600 mm (24") Width, 11 mm (0.43") Thick, Triple Grouser Track Shoes	3620	7,980
600 mm (24") Width, 14.5 mm (0.57") Thick, Double Grouser Track Shoes	3960	8,730
700 mm (28") Width, 13 mm (0.51") Thick, HD Triple Grouser Track Shoes	4200	9,260
Two Boom Cylinders	490	1,080
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	460	1,010
Counterweight:		
6700 kg (14,770 lb) Counterweight	6700	14,770
Undercarriage:		
Long Undercarriage with HD Rollers	6700	14,800
Boom (including lines, pins, stick cylinder):		
Reach Boom 6.15 m (20'2")	2310	5,090
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R3.2CB2 (10'6")	1470	3,240
Reach Stick R2.65CB2 (8'8")	1370	3,020
Buckets (without linkage, with tips and sidecutters):		
1.76 m <sup>3</sup> (2.30 yd <sup>3</sup> ) GD, CB Linkage	1130	2,490
1.76 m <sup>3</sup> (2.30 yd <sup>3</sup> ) HD, CB Linkage	1350	2,980
Quick Couplers:		
Pin Grabber QC CB with Pins	530	1,170
Pin Grabber QC CB without Pins	500	1,100
Dedicated QC	430	950

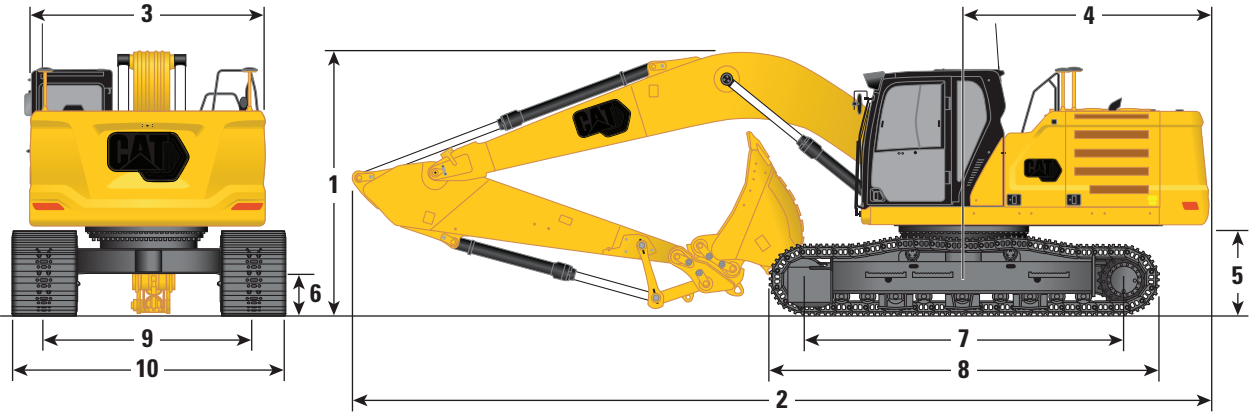
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## Dimensions

All dimensions are approximate and may vary depending on bucket selection



### Boom Option

**Reach Boom  
6.15 m (20'2")**

### Stick Options

**Reach Stick**

	R3.2CB2 (10'6")		R2.65CB2 (8'8")	
	mm	ft"	mm	ft"
<b>1 Machine Height:</b>				
Cab Height	3060 mm	10'0"	3060 mm	10'0"
FOGS Height	3200 mm	10'6"	3200 mm	10'6"
Handrails Height	3060 mm	10'0"	3060 mm	10'0"
With Boom/Stick/Bucket Installed	3400 mm	11'2"	3450 mm	11'4"
With Boom/Stick Installed	3380 mm	11'1"	3380 mm	11'1"
With Boom Installed	3060 mm	10'0"	3060 mm	10'0"
<b>2 Machine Length:</b>				
With Boom/Stick/Bucket Installed	10 420 mm	34'2"	10 420 mm	34'2"
With Boom/Stick Installed	10 420 mm	34'2"	10 420 mm	34'2"
With Boom Installed	9230 mm	30'3"	9230 mm	30'3"
<b>3 Upperframe Width without Walkways</b>	2940 mm	9'8"	2940 mm	9'8"
<b>4 Tail Swing Radius</b>	3130 mm	10'3"	3130 mm	10'3"
<b>5 Counterweight Clearance</b>	1120 mm	3'8"	1120 mm	3'8"
<b>6 Ground Clearance</b>	490 mm	1'7"	490 mm	1'7"
<b>7 Length to Center of Rollers</b>	3990 mm	13'1"	3990 mm	13'1"
<b>8 Track Length</b>	4860 mm	15'11"	4860 mm	15'11"
<b>9 Track Gauge</b>	2590 mm	8'6"	2590 mm	8'6"
<b>10 Undercarriage Width</b>				
600 mm (24") Shoes	3190 mm	10'6"	3190 mm	10'6"
700 mm (28") Shoes	3290 mm	10'10"	3290 mm	10'10"
Bucket Type	HD		HD	
Bucket Capacity	1.76 m <sup>3</sup>	2.30 yd <sup>3</sup>	1.76 m <sup>3</sup>	2.30 yd <sup>3</sup>
Bucket Tip Radius	1660 mm	5'5"	1660 mm	5'5"

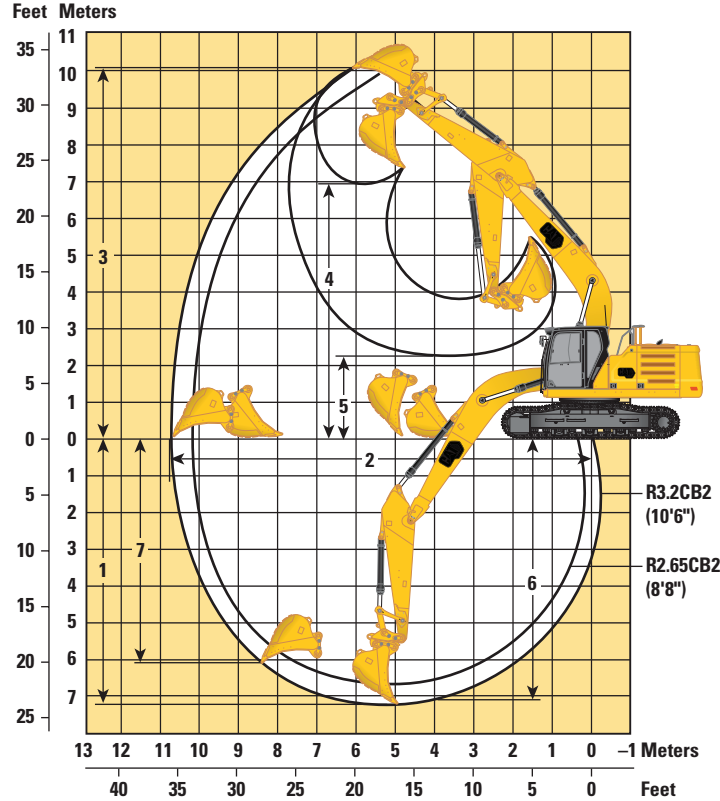
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## Working Ranges and Forces

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



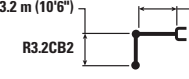
Boom Option	Reach Boom 6.15 m (20'2")			
	Reach Stick			
Stick Options	R3.2CB2 (10'6")		R2.65CB2 (8'8")	
	1 Maximum Digging Depth	7240 mm	23'9"	6690 mm
2 Maximum Reach at Ground Line	10 680 mm	35'0"	10 210 mm	33'6"
3 Maximum Cutting Height	10 030 mm	32'11"	9920 mm	32'7"
4 Maximum Loading Height	6950 mm	22'10"	6800 mm	22'4"
5 Minimum Loading Height	2300 mm	7'7"	2850 mm	9'4"
6 Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	7090 mm	23'3"	6520 mm	21'5"
7 Maximum Vertical Wall Digging Depth	6010 mm	19'9"	5700 mm	18'8"
Bucket Digging Force (SAE)	157 kN	35,290 lbf	157 kN	35,290 lbf
Bucket Digging Force (ISO)	179 kN	40,240 lbf	179 kN	40,240 lbf
Stick Digging Force (SAE)	123 kN	27,650 lbf	140 kN	31,470 lbf
Stick Digging Force (ISO)	126 kN	28,330 lbf	145 kN	32,600 lbf
Bucket Type	HD		HD	
Bucket Capacity	1.76 m <sup>3</sup>	2.30 yd <sup>3</sup>	1.76 m <sup>3</sup>	2.30 yd <sup>3</sup>
Bucket Tip Radius	1660 mm	5'5"	1660 mm	5'5"

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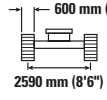


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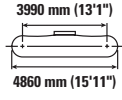
**Reach Boom Lift Capacities – Counterweight: 6700 kg (14,770 lb) – without Bucket, Heavy Lift: On**

















3.2 m (10'6")  
R3.2CB2



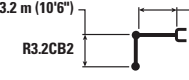
6.15 m (20'2")  
600 mm (24") Triple Grouser Shoes  
2590 mm (8'6")



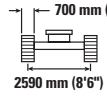
3990 mm (13'1")  
4860 mm (15'11")

	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in		mm in			
																
7500 mm 300 in	kg													*5600	*5600	7280
	lb													*12,350	*12,350	290
6000 mm 240 in	kg								*7900	6250				*5350	*5350	8240
	lb								*16,700	13,450				*11,750	*11,750	330
4500 mm 180 in	kg							*9250	8600	*8400	6150			*5300	4750	8830
	lb							*20,050	18,500	*18,300	13,200			*11,650	10,500	350
3000 mm 120 in	kg				*14 250	12 500	*10 800	8250	9150	5950	*6500	4550		*5450	4450	9140
	lb				*30,650	27,000	*23,400	17,750	19,650	12,850				*11,950	9,750	360
1500 mm 60 in	kg				*17 000	11 850	*12 300	7900	8950	5800	6800	4450		*5800	4350	9190
	lb				*36,700	25,500	*26,550	17,000	19,200	12,450	*13,650	9,600		*12,700	9,500	370
0 mm 0 in	kg				*18 300	11 500	12 250	7650	8800	5650				*6350	4400	8990
	lb				*39,550	24,700	26,350	16,450	18,900	12,150				*14,000	9,700	360
-1500 mm -60 in	kg	*6950	*6950	*10 950	*10 950	*18 250	11 400	12 150	7550	8700	5600			7300	4750	8520
	lb	*15,550	*15,550	*24,800	*24,800	*39,600	24,500	26,050	16,250	18,750	12,000			16,050	10,400	340
-3000 mm -120 in	kg	*12 500	*12 500	*17 650	*17 650	*17 150	11 450	12 150	7550	8750	5600			8400	5400	7730
	lb	*28,000	*28,000	*40,050	*40,050	*37,100	24,650	26,150	16,250	18,850	12,100			18,600	11,950	310
-4500 mm -180 in	kg			*19 900	*19 900	*14 600	11 700	*10 800	7750					*9500	6950	6510
	lb			*42,750	*42,750	*31,300	25,150	*22,850	16,700					*20,850	15,550	260

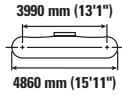
**Reach Boom Lift Capacities – Counterweight: 6700 kg (14,770 lb) – without Bucket, Heavy Lift: On**

















3.2 m (10'6")  
R3.2CB2



6.15 m (20'2")  
700 mm (28") HD Triple Grouser Shoes  
2590 mm (8'6")



3990 mm (13'1")  
4860 mm (15'11")

	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in		mm in			
																
7500 mm 300 in	kg													*5600	*5600	7280
	lb													*12,350	*12,350	290
6000 mm 240 in	kg								*7900	6350				*5350	*5350	8240
	lb								*16,700	13,650				*11,750	*11,750	330
4500 mm 180 in	kg							*9250	8750	*8400	6250			*5300	4850	8830
	lb							*20,050	18,800	*18,300	13,400			*11,650	10,700	350
3000 mm 120 in	kg				*14 250	12 700	*10 800	8350	*9150	6050	*6500	4600		*5450	4500	9140
	lb				*30,650	27,400	*23,400	18,000	*19,900	13,050				*11,950	9,950	360
1500 mm 60 in	kg				*17 000	12 000	*12 300	8000	9100	5900	6950	4550		*5800	4400	9190
	lb				*36,700	25,900	*26,550	17,250	19,550	12,650	*13,650	9,750		*12,700	9,700	370
0 mm 0 in	kg				*18 300	11 700	12 450	7750	8950	5750				*6350	4500	8990
	lb				*39,550	25,100	26,800	16,750	19,200	12,350				*14,000	9,850	360
-1500 mm -60 in	kg	*6950	*6950	*10 950	*10 950	*18 250	11 600	12 350	7650	8850	5650			*7350	4800	8520
	lb	*15,550	*15,550	*24,800	*24,800	*39,600	24,900	26,550	16,500	19,050	12,200			*16,250	10,600	340
-3000 mm -120 in	kg	*12 500	*12 500	*17 650	*17 650	*17 150	11 650	12 350	7700	8900	5700			8550	5500	7730
	lb	*28,000	*28,000	*40,050	*40,050	*37,100	25,050	26,600	16,550	19,200	12,350			18,900	12,200	310
-4500 mm -180 in	kg			*19 900	*19 900	*14 600	11 850	*10 800	7850					*9500	7050	6510
	lb			*42,750	*42,750	*31,300	25,550	*22,850	16,950					*20,850	15,850	260



ISO 10567



\* 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.

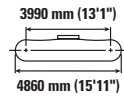
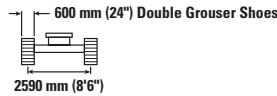
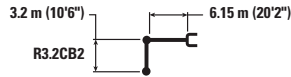
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

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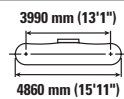
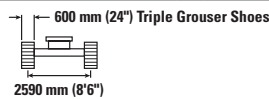
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**Reach Boom Lift Capacities – Counterweight: 6700 kg (14,770 lb) – without Bucket, Heavy Lift: On**



Reach	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		9000 mm/360 in		3990 mm (13'1") 4860 mm (15'11")		mm in	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb		
7500 mm 300 in														*5600	*5600	7280 290
6000 mm 240 in									*7900	6300				*5350	*5350	8240 330
4500 mm 180 in							*9250	8650	*8400	6200				*5300	4800	8830 350
3000 mm 120 in					*14 250	12 650	*10 800	8300	*9150	6000	*6500	4600		*5450	4500	9140 360
1500 mm 60 in					*17 000	11 950	*12 300	7950	9000	5850	6900	4500		*5800	4400	9190 370
0 mm 0 in					*18 300	11 600	12 400	7700	8850	5700				*6350	4450	8990 360
-1500 mm -60 in	kg	*6950	*6950	*10 950	*10 950	*18 250	11 500	12 250	7600	8800	5650			7350	4750	8520 340
-3000 mm -120 in	kg	*12 500	*12 500	*17 650	*17 650	*17 150	11 550	12 300	7650	8850	5650			8500	5450	7730 310
-4500 mm -180 in	kg			*19 900	*19 900	*14 600	11 800	*10 800	7800					*9500	7000	6510 260

**Reach Boom Lift Capacities – Counterweight: 6700 kg (14,770 lb) – without Bucket, Heavy Lift: On**



Reach	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		3990 mm (13'1") 4860 mm (15'11")		mm in
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	
7500 mm 300 in									*7300	*7300	6680 260
6000 mm 240 in					*8900	8800	*8350	6200	*6900	5900	7710 310
4500 mm 180 in			*12 300	*12 300	*10 050	8500	*8950	6100	*6800	5200	8340 330
3000 mm 120 in			*15 550	12 300	*11 500	8150	9100	5950	*6950	4800	8670 340
1500 mm 60 in			*16 900	11 750	12 500	7850	8950	5800	7150	4700	8720 350
0 mm 0 in			*18 000	11 500	12 250	7650	8800	5700	7350	4800	8510 340
-1500 mm -60 in	kg	*10 650	*10 650	*18 000	11 500	12 200	7600	8800	5650	8000	8010 320
-3000 mm -120 in	kg	*19 950	*19 950	*16 400	11 600	12 300	7650		9450	6100	7170 280
-4500 mm -180 in	kg	*45,500	*45,500	*35,550	25,000	26,400	16,550		21,000	13,500	5820 230



ISO 10567



\* 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.

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## Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill %	6.7 mt (14,770 lb) Counterweight	
		mm	in	m <sup>3</sup>	yd <sup>3</sup>	kg	lb		Reach Boom	
									R3.2 (10'6")	R2.65 (8'8")
<b>Pin-On (No Quick Coupler)</b>										
General Duty	CB	600	24	0.52	0.68	659	1,454	100	●	●
	CB	750	30	0.71	0.93	726	1,601	100	●	●
	CB	1000	40	1.03	1.35	835	1,841	100	●	●
	CB	1350	54	1.54	2.02	1005	2,216	100	●	●
	CB	1500	60	1.76	2.30	1069	2,357	100	●	●
	CB	1600	63	1.86	2.43	1099	2,423	100	X	X
Heavy Duty	CB	1200	48	1.33	1.74	1096	2,417	100	●	●
	CB	1350	54	1.54	2.02	1196	2,637	100	●	●
Heavy Duty	CB	1450	57	1.60	2.09	1274	2,809	100	●	●
	CB	1600	63	1.80	2.36	1348	2,973	100	X	X
Heavy Duty	CB	1500	60	1.76	2.30	1391	3,067	100	⊙	●
Maximum load with pin-on (payload + bucket)								kg	4605	5045
								lb	10,152	11,122
<b>With Pin Grabber Quick Coupler</b>										
General Duty	CB	600	24	0.52	0.68	659	1,454	100	●	●
	CB	750	30	0.71	0.93	726	1,601	100	●	●
	CB	1000	40	1.03	1.35	835	1,841	100	●	●
	CB	1350	54	1.54	2.02	1005	2,216	100	⊙	●
	CB	1500	60	1.76	2.30	1069	2,357	100	⊙	⊙
	CB	1600	63	1.86	2.43	1099	2,423	100	⊖	⊙
Heavy Duty	CB	1200	48	1.33	1.74	1096	2,417	100	●	●
	CB	1350	54	1.54	2.02	1196	2,637	100	⊙	●
Heavy Duty	CB	1450	57	1.60	2.09	1274	2,809	100	⊙	●
	CB	1600	63	1.80	2.36	1348	2,973	100	⊖	⊙
Heavy Duty	CB	1500	60	1.76	2.30	1391	3,067	100	⊖	⊙
Maximum load with coupler (payload + bucket)								kg	4079	4519
								lb	8,992	9,962

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

Bucket weight with General Duty tips

**Maximum Material Density:**

- 2100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)
- ⊙ 1800 kg/m<sup>3</sup> (3,000 lb/yd<sup>3</sup>)
- ⊖ 1500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)
- X Not Recommended

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

† Allowed usage on machine less than 50%

### PIN-ON ATTACHMENTS

Undercarriage		L	
Counterweight		6.7 mt (14,770 lb)	
Boom Type		Reach	Reach
Stick Length		2.65 m (8'8")	3.2 m (10'6")
Hydraulic Hammers	H120 S	✓	✓
	H130 GC	✓	✓
	H130 GC S	✓	✓
	H130 S	✓	✓
	H140 GC	✓	✓
	H140 GC S	✓	✓
	H140 S	✓	✓
	H160 GC	✓	✓
	H160 GC S	✓	✓
Demolition and Sorting Grapples	G324	✓	✓
	G332	✓	✓
Mobile Scrap and Demolition Shears	S3025	✓	✓
	S3035	✓	✓

### CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		L	
Counterweight		6.7 mt (14,770 lb)	
Boom Type		Reach	Reach
Stick Length		2.65 m (8'8")	3.2 m (10'6")
Hydraulic Hammers	H120 S	✓	✓
	H130 GC	✓	✓
	H130 GC S	✓	✓
	H130 S	✓	✓
	H140 GC	✓	✓
	H140 GC S	✓	✓
	H140 S	✓	✓
	H160 GC	✓	✓
	H160 GC S	✓	✓
Demolition and Sorting Grapples	G324	✓	✓†
	G332	✓	✓†
Mobile Scrap and Demolition Shears	S3025	✓	✓
	S3035	✓	✓

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### BOOM-MOUNT ATTACHMENTS

Undercarriage		L	
Counterweight		6.7 mt (14,770 lb)	
Boom Type		Reach	Reach HD
Mobile Scrap and Demolition Shears	S2070	✓	✓
	S3050	✓	✓

### Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
<b>CAB</b>			<b>CAT TECHNOLOGY</b>		
ROPS, standard sound suppression	✓		Cat Product Link™	✓	
High-resolution 254 mm (10") LCD touchscreen monitor	✓		Work tool recognition	✓	
High-resolution 254 mm (10") LCD touchscreen monitor + additional monitor (only for use with Cat GRADE with Advanced 2D or Cat GRADE with 3D)		✓	Work tool tracking*	✓	
Tilt-up left-side console	✓		Laser catcher		✓
Heated seat with air-adjustable suspension	✓		Cat GRADE with 2D and offset memory	✓	
Height-adjustable console, infinite with no tool	✓		Cat GRADE with Advanced 2D		✓
Automatic bi-level air conditioner	✓		Cat GRADE with 3D connectivity: - Virtual Reference Station** - Internet Base Service Station** - Trimble Connected Community**		✓
Jog dial and shortcut keys for monitor control	✓		Cat Assist:	✓	
Keyless push-to-start engine control	✓		- Grade Assist		
51 mm (2") seat belt	✓		- Boom Assist		
Bluetooth® integrated radio with USB Ports	✓		- Bucket Assist		
12V DC outlets	✓		- Swing Assist		
Document storage	✓		- Lift Assist		
Rear head storage net and lunchbox storage net	✓		Cat PAYLOAD:	✓	
Cup and bottle holders	✓		- Static weigh		
Openable two-piece front window	✓		- Semiautomatic calibration		
Upper radial wiper with washer	✓		- Payload/cycle information		
Openable polycarbonate skylight hatch	✓		- USB reporting capability		
LED dome light	✓		2D E-Fence:	✓	
Floor welcome light	✓		- E-ceiling		
Roller front sunscreen	✓		- E-floor		
Roller rear sunscreen		✓	- E-swing		
Rear window emergency exit	✓		- E-wall		
Washable floor mat	✓		- E-cab avoidance		
Beacon ready	✓		Auto hammer stop	✓	
			Remote Services capability	✓	
			Auto Dig Boost	✓	
			*Paired with PL161 attachment locator		
			**Subscription required		

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**Standard and Optional Equipment (continued)**

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

	Standard	Optional
<b>ENGINE</b>		
Three selectable modes: Power, Smart, Eco	✓	
Automatic engine speed control	✓	
Automatic engine idle-shutdown	✓	
4500 m (14,760 ft) altitude capability with engine power derate above 3000 m (9,840 ft)	✓	
52° C (125° F) high-ambient cooling capability with derate	✓	
-18° C (0° F) cold start capability	✓	
2 × 115 amp dual alternator	✓	
Sealed double element air filter with integrated precleaner	✓	
Two-stage fuel filtration with water separator and indicator	✓	
Electric fuel priming pump	✓	
Electric cooling fans with auto-reverse function	✓	
Biodiesel capability up to B20	✓	
<b>HYDRAULIC SYSTEM</b>		
Electronic main control valve	✓	
Electric boom regeneration circuit	✓	
Stick regeneration circuit	✓	
Automatic hydraulic oil warm up	✓	
Automatic two-speed travel	✓	
Boom and stick drift reduction valve	✓	
Boom lowering check valve	✓	
Stick lowering check valve	✓	
Heavy lift mode	✓	
High performance hydraulic return filter	✓	
Final drive with bio hydraulic oil capable travel motor	✓	
Fine swing control	✓	
Hammer return filter circuit		✓
Advanced Tool Control (two pump, one/two way high-pressure flow)		✓
Medium-pressure circuit		✓
Common Quick Coupler Circuit for Cat Pin Grabber and CW Dedicated	✓	
Electronic Pattern Changer (requires activation)	✓	

	Standard	Optional
<b>BOOM, STICKS AND LINKAGES</b>		
6.15 m (20'2") Reach boom	✓	
3.2 m (10'6") Reach stick, CB2 Linkage		✓
2.65 m (8'8") Reach stick, CB2 Linkage		✓
Bucket Linkage, CB2 family with lifting eye, Cat GRADE	✓	
<b>UNDERCARRIAGE AND STRUCTURES</b>		
Full-length track guiding guards		✓
Segmented track guiding guards	✓	
Swivel guard	✓	
Bottom guard		✓
HD bottom guard		✓
HD travel motor guard	✓	
Grease lubricated track	✓	
Swing drive and motor, and swing bearing for higher swing torque	✓	
Base frame with HD rollers	✓	
Tie-down points on base frame	✓	
6700 kg (14,770 lb) counterweight	✓	
600 mm (24") triple grouser track shoes		✓
600 mm (24") double grouser track shoes		✓
700 mm (28") triple grouser HD track shoes		✓

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**Standard and Optional Equipment (continued)**

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

	Standard	Optional		Standard	Optional
<b>ELECTRICAL SYSTEM</b>			<b>SAFETY AND SECURITY</b>		
Maintenance-free 1,000 CCA batteries (x2)	✓		Rearview camera	✓	
Programmable time-delay LED working lights	✓		Right-hand-sideview camera	✓	
Centralized electrical disconnect switch	✓		360° visibility		✓
LED chassis light, LH and RH boom lights, cab lights	✓		Secure start with PIN code	✓	
Premium surround lighting package		✓	Caterpillar One Key security system	✓	
<b>SERVICE AND MAINTENANCE</b>			Lockable external tool/storage box	✓	
Grouped location of engine oil and fuel filters	✓		Lockable door, fuel, and hydraulic tank locks	✓	
Ground-level second dipstick for engine oil	✓		Lockable fuel drain compartment	✓	
Side entry to service platform	✓		Service platform with anti-skid plate and recessed bolts	✓	
Scheduled Oil Sampling (S-O-S <sup>SM</sup> ) ports	✓		RH handrail and hand hold (ISO 2867:2011 compliant)	✓	
QuickEvac™ maintenance ready		✓	Cab mirror for RH track edge	✓	
Radiator screen		✓	Signaling/warning horn	✓	
			Ground-level secondary engine shutoff switch in cab	✓	
			Hydraulic lock out lever that neutralizes all controls	✓	
			Travel alarm	✓	

**Dealer Installed Kits and Attachments**

Attachments may vary. Consult your Cat dealer for details.

**CAB**

- RH electrical pedal (two-way) for tool control
- Radial lower wiper for two piece (70/30) windshield, with washer
- Rain protector plus cab light cover

**SAFETY AND SECURITY**

- 75 mm (3") retractable seat belt
- Bluetooth key fob

**GUARDS**

- Side rubber bumper guard
- Falling object guard system (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)
- Full protecting vandalism guard (not compatible with cab light cover, rain protector)

**ELECTRICAL**

- Jump start wiring

**SERVICE AND MAINTENANCE**

- Grease gun holder

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