

320E LRR

Hydraulic Excavator



Introduction

Since its introduction in the 1990s, the 300 Series family of excavators has become the industry standard in general, quarry, and heavy construction applications. The all-new E Series and the 320E LRR will continue that trend-setting standard.

The 320E LRR meets today's U.S. EPA Tier 4 Interim emission standards. It is also built with several new fuel-saving and comfort-enabling features and benefits that will delight owners and operators.

If you are looking for more productivity and comfort, less fuel consumption and emissions, and easier and more sensible serviceability, you will find it in the all-new 320E LRR and the E Series family of excavators.



320E LRR Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C6.6 ACERT™	
Net Power – SAE J1349	113 kW	152 hp
Gross Power – SAE J1995	122 kW	164 hp
Bore	105 mm	4.1 in
Stroke	127 mm	5.0 in
Displacement	6.6 L	403 in ³

Weights

Minimum Operating Weight*	23 700 kg	52,250 lb
Maximum Operating Weight**	25 600 kg	56,440 lb

*HD 5.7 m (18'8") boom, HD 2.9 m (9'6") stick, 6.2 mt (6.8 ton) counterweight, 1.19 m³ (1.56 yd³), 600 mm (24") shoes.

**ES 5.7 m (18'8") boom, ES 2.9 m (9'6") stick, 6.9 mt (7.6 ton) counterweight, 1.19 m³ (1.56 yd³), 790 mm (31") shoes.

Hydraulic System

Main System – Maximum Flow (Total)	428 L/min	113.1 gal/min
Swing System – Maximum Flow	214 L/min	56.5 gal/min
Auxiliary Circuit		
Maximum Flow – Primary	214 L/min	56.5 gal/min
Maximum Flow – Secondary	214 L/min	56.5 gal/min
Maximum Pressure – Equipment		
Heavy Lift	38 000 kPa	5,511 psi
Normal	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	25 000 kPa	3,626 psi
Pilot System – Maximum Flow	24.3 L/min	6.4 gal/min
Pilot System – Maximum Pressure	3920 kPa	569 psi
Boom Cylinder – Bore	120 mm	4.7 in
Boom Cylinder – Stroke	1260 mm	49.6 in
Stick Cylinder – Bore	140 mm	5.5 in
Stick Cylinder – Stroke	1504 mm	59.2 in
B1 Bucket Cylinder – Bore	120 mm	4.7 in
B1 Bucket Cylinder – Stroke	1104 mm	43.5 in

Drive

Maximum Travel Speed	5.6 km/h	3.5 mph
Maximum Drawbar Pull	205 kN	46,086 lbf

Swing Mechanism

Swing Speed	11.2 rpm	
Swing Torque	61.8 kN·m	45,581 lb-ft

Service Refill Capacities

Fuel Tank Capacity	290 L	76.6 gal
Cooling System	30 L	7.9 gal
Engine Oil (with filter)	23 L	6.1 gal
Swing Drive	8 L	2.1 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	205 L	54.2 gal
Hydraulic Tank	115 L	30.4 gal

Track

Number of Shoes (each side)	
Long Undercarriage	49 pieces
Number of Track Rollers (each side)	
Long Undercarriage	8 pieces
Number of Carrier Rollers (each side)	
Long Undercarriage	2 pieces

Sound Performance

Operator Noise (Closed) – ISO 6396	71 dB
Spectator Noise – ISO 6395	103 dB

- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- 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 noisy environment.

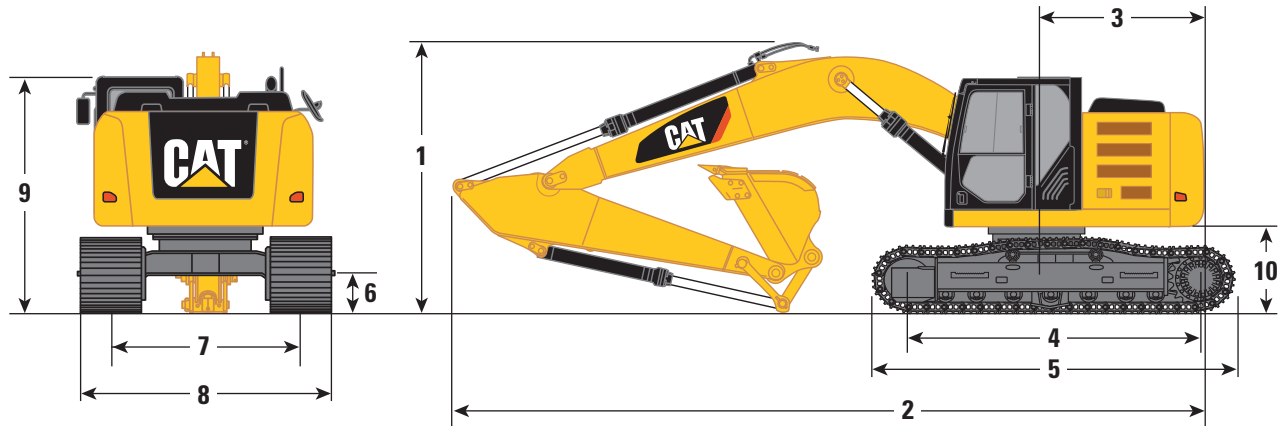
Standards

Brakes	ISO 10265 2008
Cab/FOGS	ISO 10262 1998
Cab/ROPS	ISO 12117-2 2008

320E LRR Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



	Heavy Duty and Extreme Service Boom 5.7 m (18'8")
Stick	2.9B1 (9'6")*
	mm (ft)
1 Shipping Height**	3130 (10'3")
Shipping Height with Guard Rail	3150 (10'4")
Shipping Height with Top Guard	3150 (10'4")
2 Shipping Length	8970 (29'4")
3 Tail Swing Radius	2080 (6'8")
4 Length to Center of Rollers	3650 (12'0")
5 Track Length	4460 (14'7")
6 Ground Clearance	450 (1'6")
7 Track Gauge	2380 (7'10")
8 Transport Width	
600 mm (24") Shoes	2980 (9'9")
700 mm (28") Shoes	3080 (10'1")
790 mm (31") Shoes	3170 (10'5")
9 Cab Height	2960 (9'9")
Cab Height with Top Guard	3150 (10'4")
10 Counterweight Clearance***	1000 (3'3")

*Cat 1200 mm (48"), 1.19 m³ (1.56 yd³) HD bucket with 1571 mm (5'2") tip radius.

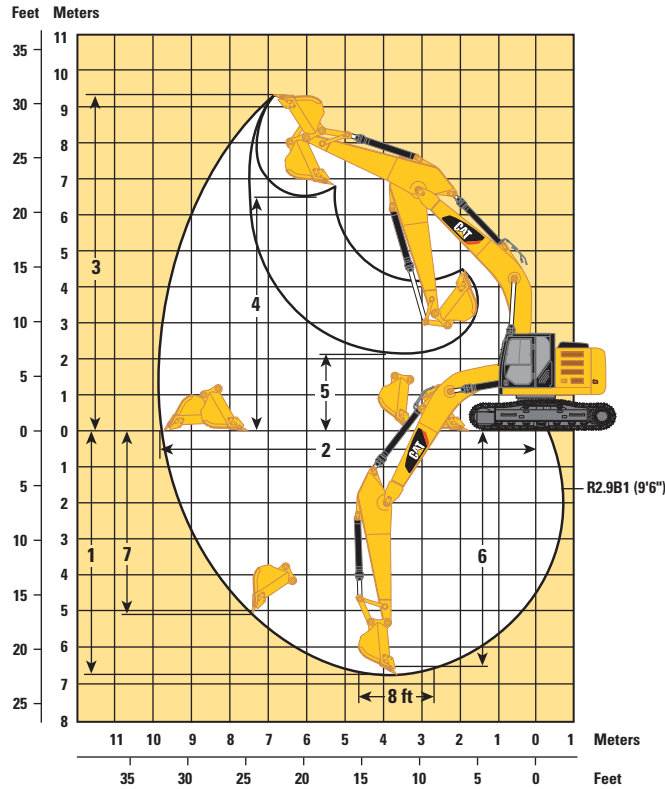
**Including shoe lug height without guard rail.

***Without shoe lug height.

320E LRR Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



Stick	Heavy Duty and Extreme Service Boom
	5.7 m (18'8")
	2.9B1 (9'6")*
	mm (ft)
1 Maximum Digging Depth	6720 (22'1")
2 Maximum Reach at Ground Level	9860 (32'4")
3 Maximum Cutting Height	9370 (30'9")
4 Maximum Loading Height	6490 (21'4")
5 Minimum Loading Height	2170 (7'1")
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6550 (21'6")
7 Maximum Vertical Wall Digging Depth	5060 (16'7")

*Cat 1200 mm (48"), 1.19 m³ (1.56 yd³) HD bucket with 1571 mm (5'2") tip radius.

320E LRR Hydraulic Excavator Specifications

Operating Weight and Ground Pressure

	790 mm (31") Triple Grouser Shoes		700 mm (28") Triple Grouser Shoes		600 mm (24") Triple Grouser Shoes	
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Boom HD – 5.7 m (18'8")						
2.9B1 (9'6") HD	24 400 (53,790)	38.6 (5.60)	24 100 (53,130)	43.2 (6.27)	23 700 (52,250)	49.5 (7.18)
2.9B1 (9'6") ES	24 500 (54,010)	39.0 (5.66)	24 200 (53,350)	43.7 (6.34)	23 800 (52,470)	50.1 (7.27)
Boom ES – 5.7 m (18'8")						
2.9B1 (9'6") HD	24 700 (54,450)	39.1 (5.67)	24 400 (53,790)	43.7 (6.34)	24 000 (52,910)	50.2 (7.28)
2.9B1 (9'6") ES	24 900 (54,900)	39.3 (5.70)	24 600 (54,230)	43.9 (6.37)	24 200 (53,350)	50.4 (7.31)

Major Component Weights

	kg	lb
Base Machine (with boom cylinder, without counterweight, front linkage and track)	6500	14,330
Long Undercarriage	7850	17,300
Counterweight		
6.2 mt (6.8 ton)	6200	13,670
6.9 mt (7.6 ton)	6900	15,210
Boom (includes lines, pins and stick cylinder)		
Boom HD – 5.7 m (18'8")	1720	3,790
Boom ES – 5.7 m (18'8")	2010	4,430
Boom HD for CGC – 5.7 m (18'8")	1730	3,810
Boom ES for CGC – 5.7 m (18'8")	2020	4,450
Stick (includes lines, pins and bucket cylinder)		
2.9B1 (9'6") HD	680	1,510
2.9B1 (9'6") ES	840	1,850
2.9B1 (9'6") HD for CGC	690	1,530
2.9B1 (9'6") ES for CGC	850	1,880
Track Shoe (Long/per two tracks)		
600 mm (24") Triple Grouser	2700	5,940
700 mm (28") Triple Grouser	3070	6,780
790 mm (31") Triple Grouser	3360	7,410
790 mm (31") Triple Grouser HD	3800	8,370
Quick Coupler		
Center-Lock 252 (UQC)	420	920
Buckets		
B1 1200 mm (48") HD 347-6731 SAE 1.19 m ³ (1.56 yd ³)	930	2,050

All weights are rounded up to nearest 10 kg and lb except for quick coupler and buckets. Kg and lb were rounded up separately so some of the kg and lb do not match. Base machine includes 75 kg (165 lb) operator weight, 90% fuel weight, and undercarriage with center guard.

320E LRR Hydraulic Excavator Specifications

Bucket and Stick Forces

	HD Boom 5.7 m (18'8")
Stick	R2.9B1 (9'6")
	B1 – Family Bucket
	kN (lbf)
General Duty	
Bucket Digging Force (ISO)	140.5 (31,600)
Stick Digging Force (ISO)	106.7 (24,000)
Bucket Digging Force (SAE)	125.9 (28,300)
Stick Digging Force (SAE)	103.9 (23,400)
Heavy Duty	
Bucket Digging Force (ISO)	150.4 (33,800)
Stick Digging Force (ISO)	106.4 (23,900)
Bucket Digging Force (SAE)	133.5 (30,000)
Stick Digging Force (SAE)	103.2 (23,200)
Severe Duty	
Bucket Digging Force (ISO)	150.4 (33,800)
Stick Digging Force (ISO)	106.4 (23,900)
Bucket Digging Force (SAE)	133.5 (30,000)
Stick Digging Force (SAE)	103.2 (23,200)

320E LRR Hydraulic Excavator Specifications

HD Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 5.7 m (18'8")















Counterweight – 6.2 mt (6.8 t)

Bucket – None

Stick – 2.9B1 (9'6")

Shoes – 790 mm (31") triple grouser

Heavy Lift Mode On

	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft	
														
7.5 m 25.0 ft	kg lb							*4950 *4950				*4300 *9,500	*4300 *9,500	6.15 19.78
6.0 m 20.0 ft	kg lb							*5450 *12,000	*5450 *12,000			*3950 *8,750	*3950 *8,750	7.28 23.71
4.5 m 15.0 ft	kg lb							*6000 *13,050	5650 12,150	*5650 *12,400	4000 8,600	*3900 *8,550	3650 8,050	7.98 26.10
3.0 m 10.0 ft	kg lb					*8750 *18,850	8200 17,700	*6900 *14,950	5400 11,650	*6050 *13,150	3950 8,450	*4000 *8,750	3350 7,350	8.35 27.38
1.5 m 5.0 ft	kg lb					*10 600 *22,900	7750 16,650	*7850 *16,950	5200 11,200	6000 12,900	3800 8,200	*4200 *9,250	3200 7,100	8.44 27.70
Ground Line	kg lb			*6600 *15,150	*6600 *15,150	*11 650 *25,200	7450 16,050	8150 17,550	5050 10,800	5900 12,700	3750 8,000	*4650 *10,250	3500 7,200	8.26 27.09
-1.5 m -5.0 ft	kg lb	*7050 *15,750	*7050 *15,750	*11 400 *25,850	*11 400 *25,850	*11 750 *25,450	7400 15,850	8100 17,400	4950 10,650	5900 12,650	3700 7,950	*5500 *12,100	3550 7,800	7.78 25.48
-3.0 m -10.0 ft	kg lb	*12 100 *27,100	*12 100 *27,100	*15 600 *33,750	14 300 30,650	*11 000 *23,800	7450 16,000	8100 17,450	5000 10,750			6600 14,650	4150 9,150	6.94 22.67
-4.5 m -15.0 ft	kg lb			*12 450 *26,650	*12 450 *26,650	*8950 *19,100	7650 16,450					*6800 *14,900	5650 12,750	5.60 18.08

Boom – 5.7 m (18'8")















Counterweight – 6.9 mt (7.6 t)

Bucket – None

Stick – 2.9B1 (9'6")

Shoes – 790 mm (31") triple grouser

Heavy Lift Mode On

	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft	
														
7.5 m 25.0 ft	kg lb							*4950 *4950				*4300 *9,500	*4300 *9,500	6.15 19.78
6.0 m 20.0 ft	kg lb							*5450 *12,000	*5450 *12,000			*3950 *8,750	*3950 *8,750	7.28 23.71
4.5 m 15.0 ft	kg lb							*6000 *13,050	6000 12,900	*5650 *12,400	4300 9,200	*3900 *8,550	3850 8,550	7.98 26.10
3.0 m 10.0 ft	kg lb					*8750 *18,850	8700 18,800	*6900 *14,950	5750 12,400	*6050 *13,150	4200 9,000	*4000 *8,750	3550 7,850	8.35 27.38
1.5 m 5.0 ft	kg lb					*10 600 *22,900	8250 17,700	*7850 *16,950	5550 11,900	6350 13,650	4050 8,750	*4200 *9,250	3450 7,550	8.44 27.70
Ground Line	kg lb			*6600 *15,150	*6600 *15,150	*11 650 *25,200	7950 17,100	*8500 *18,400	5350 11,550	6250 13,450	4000 8,550	*4650 *10,250	3500 7,700	8.26 27.09
-1.5 m -5.0 ft	kg lb	*7050 *15,750	*7050 *15,750	*11 400 *25,850	*11 400 *25,850	*11 750 *25,450	7850 16,950	8550 18,350	5300 11,400	6200 13,400	3950 8,500	*5500 *12,100	3800 8,300	7.78 25.48
-3.0 m -10.0 ft	kg lb	*12 100 *27,100	*12 100 *27,100	*15 600 *33,750	15 200 32,600	*11 000 *23,800	7900 17,050	*8200 *17,600	5300 11,450			*6700 *14,750	4400 9,750	6.94 22.67
-4.5 m -15.0 ft	kg lb			*12 450 *26,650	*12 450 *26,650	*8950 *19,050	8100 17,500					*6800 *14,900	6000 13,550	5.60 18.08

*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.

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

320E LRR Hydraulic Excavator Specifications

ES Boom Lift Capacities



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

Boom – 5.7 m (18'8")















Counterweight – 6.9 mt (7.6 t)

Bucket – None

Stick – 2.9B1 (9'6")

Shoes – 790 mm (31") triple grouser

Heavy Lift Mode On

	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				m ft	
														
7.5 m 25.0 ft	kg lb						*4900	*4900			*4200	*4200	6.15 19.78	
6.0 m 20.0 ft	kg lb						*5300	*5300			*3900	*3900	7.28 23.71	
4.5 m 15.0 ft	kg lb						*5850	*5850	*5450	4150	*3850	3750	7.98 26.10	
3.0 m 10.0 ft	kg lb					*8550	*8550	*6700	5600	*5850	4050	*3900	8.35 27.38	
1.5 m 5.0 ft	kg lb					*10 300	8000	*7600	5350	6200	3900	*4150	3300	8.44 27.70
Ground Line	kg lb			*6550	*6550	*11 300	7700	*8250	5150	6100	3800	*4600	3350	8.26 27.09
-1.5 m -5.0 ft	kg lb	*7000	*7000	*11 350	*11 350	*11 400	7600	8350	5100	6050	3800	*5400	3600	7.78 25.48
-3.0 m -10.0 ft	kg lb	*12 000	*12 000	*15 150	14 800	*10 650	7650	*7900	5100			*6450	4250	6.94 22.67
-4.5 m -15.0 ft	kg lb			*12 050	*12 050	*8650	7900					*6550	5850	5.60 18.08

*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.

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

Work Tool Offering Guide*

Boom	5.7 m (18'8")
Stick	2.9 m (9'6")
Hydraulic Hammer	H115Es H120Es H130Es
Multi-Processor	MP15**
Pulverizer	P215
Mobile Scrap and Demolition Shear	S320B** S325B*** S340B***
Compactor (Vibratory Plate)	CVP110
Contractors' Grapple	G120B-G130B
Trash Grapple	
Thumbs	
Rakes	
Center-Lock Pin Grabber Coupler	

These work tools are available for the 320E LRR.
Consult your Cat dealer for proper match.

*Matches are dependent on excavator configurations. Consult your Cat dealer for proper work tool match.

**Pin-on only.

***Boom-mount.

320E LRR Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Boom (HD)	Boom (ES)
		mm	in	m ³	yd ³	kg	lb	%	2.9 HD (9'6")	2.9 ES (9'6")
Without Quick Coupler										
General Duty (GDC)	B	600	24	0.55	0.72	618	1,363	100%	●	●
	B	750	30	0.75	0.98	710	1,566	100%	●	●
	B	900	36	0.95	1.24	786	1,733	100%	●	●
	B	1050	42	1.16	1.52	847	1,867	100%	●	●
	B	1200	48	1.38	1.80	925	2,038	100%	⊙	⊙
	B	1350	54	1.59	2.08	1002	2,209	100%	⊖**	⊖
Heavy Duty (HD)	B	600	24	0.46	0.61	649	1,430	100%	●	●
	B	750	30	0.64	0.84	747	1,647	100%	●	●
	B	900	36	0.81	1.06	825	1,818	100%	●	●
	B	1050	42	1.00	1.31	879	1,937	100%	●	●
	B	1200	48	1.19	1.56	970	2,138	100%	●	●
	B	1350	54*	1.38	1.81	1051	2,316	100%	⊙**	⊙
Severe Duty (SD)	B	600	24	0.46	0.61	693	1,527	90%	●	●
	B	750	30	0.64	0.84	801	1,765	90%	●	●
	B	900	36	0.81	1.06	887	1,955	90%	●	●
	B	1050	42	1.00	1.31	962	2,121	90%	●	●
	B	1200	48	1.19	1.56	1051	2,316	90%	●	●
Maximum load pin-on (payload + bucket)								kg	3620	3520
								lb	7,978	7,758

The above loads are in compliance with hydraulic excavator standard EN474, 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.

Bucket weight with General Duty tips.

*This bucket might reduce boom structure life.

**For light dirt loading applications only. Consult your dealer to understand your application before using this bucket in combination with this stick.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 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.

320E LRR Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	Boom (HD)	Boom (ES)
		mm	in	m ³	yd ³	kg	lb	%	2.9 HD (9'6")	2.9 ES (9'6")
With Center Lock Coupler										
General Duty (GDC)	B	600	24	0.55	0.72	618	1,363	100%	●	●
	B	750	30	0.75	0.98	710	1,566	100%	●	●
	B	900	36	0.95	1.24	786	1,733	100%	●	●
	B	1050	42	1.16	1.52	847	1,867	100%	●	⊙
	B	1200	48	1.38	1.80	925	2,038	100%	⊖	⊖
	B	1350	54	1.59	2.08	1002	2,209	100%	○	○
Heavy Duty (HD)	B	600	24	0.46	0.61	649	1,430	100%	●	●
	B	750	30	0.64	0.84	747	1,647	100%	●	●
	B	900	36	0.81	1.06	825	1,818	100%	●	●
	B	1050	42	1.00	1.31	879	1,937	100%	●	●
	B	1200	48	1.19	1.56	970	2,138	100%	⊙	⊙
	B	1350	54*	1.38	1.81	1051	2,316	100%	⊖	⊖
Severe Duty (SD)	B	600	24	0.46	0.61	693	1,527	90%	●	●
	B	750	30	0.64	0.84	801	1,765	90%	●	●
	B	900	36	0.81	1.06	887	1,955	90%	●	●
	B	1050	42	1.00	1.31	962	2,121	90%	●	●
	B	1200	48	1.19	1.56	1051	2,316	90%	●	⊙
	B	1200	48	1.19	1.56	1000	2,204	90%	●	⊙
Maximum load with coupler (payload + bucket)								kg	3210	3110
								lb	7,075	6,855

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)

The above loads are in compliance with hydraulic excavator standard EN474, 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.

Bucket weight with General Duty tips.

*This bucket might reduce boom structure life.

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.

320E LRR Hydraulic Excavator Standard Equipment

Standard Equipment

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

ENGINE

- C6.6 diesel engine
- Biodiesel capable
- EPA Tier 4 Interim
- 2300 m (7,500 ft) altitude capability
- Automatic engine speed control
- Economy and high power modes
- Two-speed travel
- Side-by-side cooling system
- Radial seal air filter
- Primary filter with water separator and water separator indicator switch
- Starting kit, cold weather, -18° C (0° F)
- Screen fuel filter in fuel line
- Primary fuel filter
- Secondary fuel filter
- Quick drains, engine and hydraulic oil (QuickEvac)

HYDRAULIC SYSTEM

- Regeneration circuit for boom and stick
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Capability of installing HP stackable valve and medium and QC valve
- Capability of installing additional auxiliary pump and circuit
- Capability of installing boom lowering control device and stick lowering check valve
- Capability of installing Cat Bio hydraulic oil
- Fine swing control

CAB

- Pressurized operator station with positive filtration
- Mirror package
- Sliding upper door window (left-hand cab door)
- Glass-breaking safety hammer
- Removable lower windshield with in cab storage bracket
- Coat hook
- Beverage holder
- Literature holder
- AM/FM radio
- Radio with MP3 auxiliary audio port
- Two 12V stereo speakers
- Storage shelf suitable for lunch or toolbox
- Color LCD display with warning, filter/fluid change, and working hour information
- Adjustable armrest
- Height adjustable joystick consoles
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers
- Capability of installing two additional pedals
- Two power outlets, 10 amp (total)
- Laminated glass front upper window and tempered other windows

UNDERCARRIAGE

- Grease Lubricated Track GLT2, resin seal
- Towing eye on base frame

ELECTRICAL

- 80 amp alternator
- Circuit breaker
- Capability to electrically connect a beacon

LIGHTS

- Boom light with time delay
- Exterior lights integrated into storage box

SECURITY

- Cat one key security system
- Door locks
- Cap locks on fuel and hydraulic tanks
- Lockable external tool/storage box
- Signaling/warning horn
- Secondary engine shutoff switch
- Openable skylight for emergency exit
- Rearview camera
- Travel alarm

TECHNOLOGY

- Product Link

320E LRR Hydraulic Excavator

Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

ENGINE

- Starting kit, cold weather, -25° C (-13° F)
- Jump start receptacle
- Radiator screen
- Block heater (jacket water heater)

HYDRAULIC SYSTEM

- Control pattern quick-changer, two way
- Additional circuit
- Boom and stick lines
- High-pressure line
- Medium-pressure line
- Cat quick coupler line – high-pressure capable
- Electronic Control device, 1/2P, one-way circuit
- Electronic Control device (Common), 1/2P, common circuit
- Electronic Control device, 1P, two-way circuit

CAB

- Cab hatch emergency exit
- Seat, high-back air suspension with heater
- Seat, high-back mechanical suspension
- Sunscreen
- Windshield wiper with washer
- Left foot switch
- Left pedal
- Straight travel pedal

UNDERCARRIAGE

- 600 mm (24") triple grouser shoes
- 700 mm (28") triple grouser shoes
- 790 mm (31") triple grouser shoes
- Guard, full length for long FG undercarriage
- Guard, heavy-duty bottom
- Center track guiding guard
- Segmented (2 piece) track guiding guard
- HD track roller

COUNTERWEIGHT

- 6.2 mt (6.8 t) without lifting eye
- 6.9 mt (7.6 t) without lifting eye

FRONT LINKAGE

- Quick coupler
- Bucket linkage, B1 family with and without lifting eye
- 5.7 m (18'7") heavy duty and extreme service booms
- 2.9 m (9'6") heavy-duty stick

LIGHTS

- Working lights, cab mounted with time delay
- HID lights, cab mounted with time delay
- Halogen boom lights

SECURITY

- FOGS, bolt-on
- Side rubber bumper
- Cat MSS (anti-theft device)

TECHNOLOGY

- Cat Grade Control Depth and Slope

Materials and specifications are subject to change without notice.

Featured machines in photos may include additional equipment.

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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