



320

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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320 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C4.4	
Engine Power (ISO 9249)	121 kW	162 hp
Engine Power (ISO 14396)	122 kW	164 hp
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in ³

- The 320 meets EU Stage IV 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 advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- Rating at 1,800 rpm.

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.9 kg of refrigerant which has a CO₂ equivalent of 1.287 metric tonnes.

Swing Mechanism

Swing Speed	11.3 rpm	
Maximum Swing Torque	82 kN·m	60,300 lbf·ft

Weights

Operating Weight	21 800 kg	48,100 lb
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- Reach boom, R2.9 (9'6") stick, GD 1.19 m³ (1.56 yd³) bucket and 600 mm (24 in) triple grouser shoes, 4.2 mt (9,300 lb) counterweight.

Track

Standard Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
	790 mm	31 in
	900 mm	35 in

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

Drive

Maximum Gradeability	35°/70%	
Maximum Travel Speed	5.7 km/h	3.5 mph
Maximum Drawbar Pull – Long Undercarriage	205 kN	45,996 lbf

Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (214.5 × 2 pumps)	113 gal/min (56.5 × 2 pumps)
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,510 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	27 500 kPa	3,998 psi
Boom Cylinder – Bore	120 mm	5 in
Boom Cylinder – Stroke	1260 mm	50 in
Stick Cylinder – Bore	140 mm	6 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	120 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

Service Refill Capacities

Fuel Tank Capacity	345 L	86.6 gal
Cooling System	25 L	6.6 gal
Engine Oil	15 L	4.0 gal
Swing Drive (each)	12 L	3.2 gal
Final Drive (each)	5 L	1.3 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank	115 L	30.4 gal
DEF Tank	39 L	10.3 gal

Standards

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

Sound Performance

ISO 6395 (external)	99 dB(A)
ISO 6396 (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 in)		700 mm (28 in)		790 mm (31 in)		900 mm (35 in)	
	Triple Grouser Shoes		Triple Grouser Shoes		Triple Grouser Shoes		Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
4.2 mt (9,300 lb) Counterweight								
Reach Boom + R2.9 (9'6") Stick + 1.19 m ³ (1.56 yd ³) GD Bucket	21 800 kg (48,100 lb)	45.3 kPa (6.6 psi)	22 200 kg (49,000 lb)	39.6 kPa (5.7 psi)	22 500 kg (49,600 lb)	35.5 kPa (5.2 psi)	23 300 kg (51,400 lb)	32.3 kPa (4.7 psi)

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

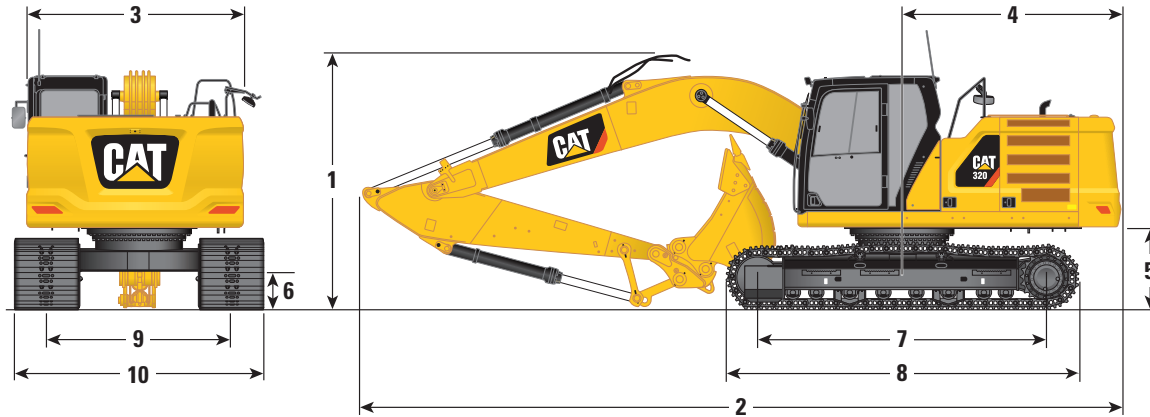
Major Component Weights

	kg	lb
Base Machine (with 4.2 mt [9,300 lb] counterweight, semi-HD swing frame, standard base frame with HD track rollers and standard carrier rollers for long undercarriage, without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	14 800	32,600
Track Shoes:		
600 mm (24 in) Width, 10 mm (0.39 in) Thick Triple Grouser Track Shoes	2690	5,900
700 mm (28 in) Width, 10 mm (0.39 in) Thick Triple Grouser Track Shoes	3050	6,700
790 mm (31 in) Width, 10 mm (0.39 in) Thick Triple Grouser Track Shoes with Step Extension for ISO 2867:2011	3370	7,400
900 mm (35 in) Width, 12.5 mm (0.49 in) Thick Triple Grouser HD Track Shoes with Step Extension for ISO 2867:2011	4180	9,200
Two Boom Cylinders	340	750
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	680
Counterweight:		
4.2 mt (9,300 lb) Counterweight	4200	9,300
4.7 mt (10,400 lb) Counterweight	4700	10,400
Swing Frame:		
Semi-HD Swing Frame	1910	4,210
Standard and Long Undercarriage:		
Standard Base Frame with HD Track Rollers and Standard Carrier Rollers for Long Undercarriage	4390	9,700
Booms (including lines, pins, stick cylinder):		
Reach Boom (5.7 m/18'8")	1710	3,800
SLR Boom (8.85 m/29'0")	2170	4,800
VA Boom (2.8 m/9'2" Stub + 3.3 m/10'10" Fore)	3050	6,700
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick (R2.9B1/9'6")	990	2,200
Reach Stick (R2.5B1/8'2")	970	2,100
SLR Stick (6.28A/20'7")	1340	3,000
Buckets (without linkage):		
1.19 m ³ (1.56 yd ³) HD	960	2,100
0.57 m ³ (0.75 yd ³) Ditch Cleaning	390	850
0.53 m ³ (0.69 yd ³) GD	410	900
Quick Couplers:		
CW Dedicated QC	230	500
Pin Grabber QC	390	850

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Dimensions

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

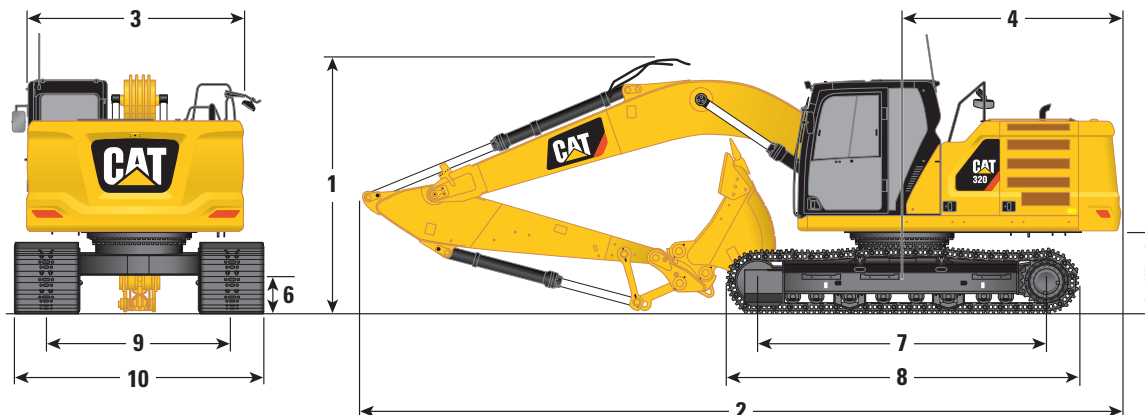


Boom Options	Reach Boom 5.7 m (18'8")		SLR Boom 8.85 m (29'0")			
	Reach Sticks		SLR Stick 6.28A (20'7")			
Stick Options	R2.9B1 (9'6")	R2.5B1 (8'2")				
1 Machine Height:						
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"	2960 mm	9'9"
Top of FOGS Height	3100 mm	10'2"	3100 mm	10'2"	3100 mm	10'2"
Handrails Height	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3160 mm	10'4"	3160 mm	10'4"	3190 mm	10'6"
With Boom/Stick Installed	2910 mm	9'7"	2910 mm	9'7"	3070 mm	10'1"
With Boom Installed	2480 mm	8'2"	2480 mm	8'2"	2650 mm	8'8"
2 Machine Length:						
With Boom/Stick/Bucket Installed	9530 mm	31'3"	9530 mm	31'3"	12 750 mm	41'9"
With Boom/Stick Installed	9500 mm	31'2"	9500 mm	31'2"	12 760 mm	41'9"
With Boom Installed	8450 mm	27'9"	8450 mm	27'9"	8920 mm	29'3"
3 Upperframe Width without Walkways	2780 mm	9'1"	2780 mm	9'1"	2780 mm	9'1"
4 Tail Swing Radius	2830 mm	9'3"	2830 mm	9'3"	2830 mm	9'3"
5 Counterweight Clearance	1050 mm	3'5"	1050 mm	3'5"	1050 mm	3'5"
6 Ground Clearance	470 mm	1'7"	470 mm	1'7"	470 mm	1'7"
7 Length to Center of Rollers	3650 mm	12'0"	3650 mm	12'0"	3650 mm	12'0"
8 Track Length	4450 mm	14'7"	4450 mm	14'7"	4450 mm	14'7"
9 Track Gauge	2380 mm	7'9"	2380 mm	7'9"	2380 mm	7'9"
Track Width:						
600 mm (24 in) Shoes	600 mm	24"	600 mm	24"	600 mm	24"
700 mm (28 in) Shoes	700 mm	28"	700 mm	28"	700 mm	28"
790 mm (31 in) Shoes	790 mm	31"	790 mm	31"	790 mm	31"
900 mm (35 in) Shoes	900 mm	35"	900 mm	35"	900 mm	35"
10 Undercarriage Width (with steps/without steps):						
600 mm (24 in) Shoes	2980 mm	9'9"	2980 mm	9'9"	2980 mm	9'9"
700 mm (28 in) Shoes	3080 mm	10'1"	3080 mm	10'1"	3080 mm	10'1"
790 mm (31 in) Shoes	3170 mm	10'4"	3170 mm	10'4"	3170 mm	10'4"
900 mm (35 in) Shoes	3280 mm	10'9"	3280 mm	10'9"	3280 mm	10'9"
Bucket Type	GD		GD		DC	
Bucket Capacity	1.19 m ³	1.56 yd ³	1.19 m ³	1.56 yd ³	0.57 m ³	0.75 yd ³
Bucket Tip Radius	1570 mm	5'2"	1570 mm	5'2"	1070 mm	3'6"

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Dimensions

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



Boom Option

VA Boom
2.8 m (9'2") Stub/3.3 m (10'10") Fore

Stick Options

Reach Sticks

R2.9B1 (9'6")

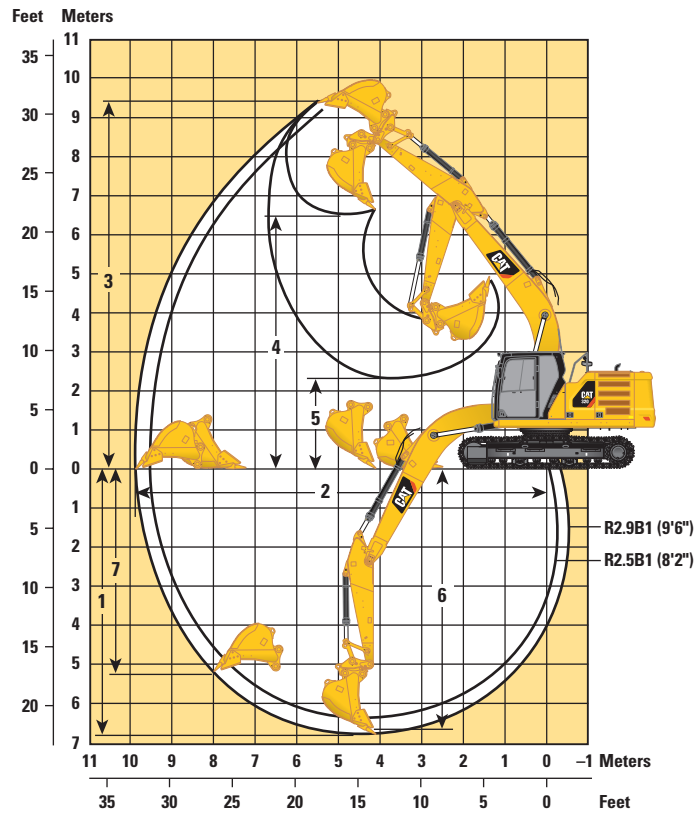
R2.5B1 (8'2")

	R2.9B1 (9'6")	Reach Sticks	R2.5B1 (8'2")	
1 Machine Height:				
Top of Cab Height	2960 mm	9'9"	2960 mm	9'9"
Top of FOGS Height	3100 mm	10'2"	3100 mm	10'2"
Handrails Height	2950 mm	9'8"	2950 mm	9'8"
With Boom/Stick/Bucket Installed	3000 mm	9'10"	2910 mm	9'6"
With Boom/Stick Installed	2790 mm	9'1"	2700 mm	8'10"
With Boom Installed	2310 mm	7'6"	2310 mm	7'6"
2 Machine Length:				
With Boom/Stick/Bucket Installed	9770 mm	32'0"	9800 mm	32'1"
With Boom/Stick Installed	9780 mm	32'1"	9780 mm	32'1"
With Boom Installed	8710 mm	28'6"	8710 mm	28'6"
3 Upperframe Width without Walkways	2780 mm	9'1"	2780 mm	9'1"
4 Tail Swing Radius	2830 mm	9'3"	2830 mm	9'3"
5 Counterweight Clearance	1050 mm	3'5"	1050 mm	3'5"
6 Ground Clearance	470 mm	1'7"	470 mm	1'7"
7 Length to Center of Rollers	3650 mm	12'0"	3650 mm	12'0"
8 Track Length	4450 mm	14'7"	4450 mm	14'7"
9 Track Gauge	2380 mm	7'9"	2380 mm	7'9"
Track Width:				
600 mm (24 in) Shoes	600 mm	24"	600 mm	24"
700 mm (28 in) Shoes	700 mm	28"	700 mm	28"
790 mm (31 in) Shoes	790 mm	31"	790 mm	31"
900 mm (35 in) Shoes	900 mm	35"	900 mm	35"
10 Undercarriage Width (with steps/without steps):				
600 mm (24 in) Shoes	2980 mm	9'9"	2980 mm	9'9"
700 mm (28 in) Shoes	3080 mm	10'1"	3080 mm	10'1"
790 mm (31 in) Shoes	3170 mm	10'4"	3170 mm	10'4"
900 mm (35 in) Shoes	3280 mm	10'9"	3280 mm	10'9"
Bucket Type		GD		GD
Bucket Capacity	1.19 m ³	1.56 yd ³	1.19 m ³	1.56 yd ³
Bucket Tip Radius	1570 mm	5'2"	1570 mm	5'2"

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Working Ranges

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



Boom Option

**Reach Boom
5.7 m (18'8")**

Stick Options

Reach Sticks

R2.9B1 (9'6")

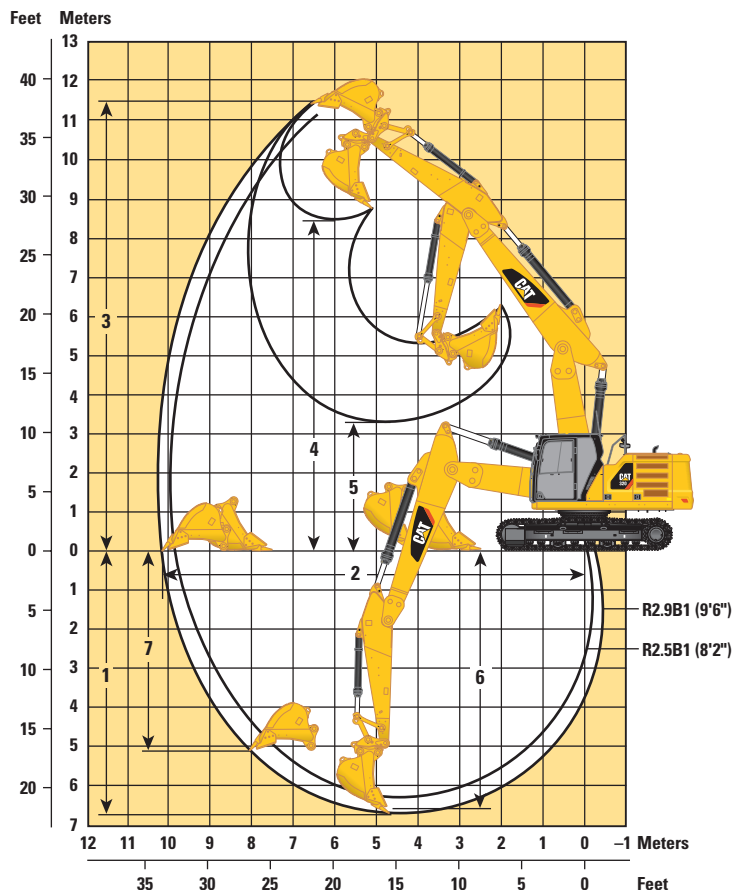
R2.5B1 (8'2")

	R2.9B1 (9'6")		R2.5B1 (8'2")	
1 Maximum Digging Depth	6720 mm	22'1"	6300 mm	20'8"
2 Maximum Reach at Ground Line	9860 mm	32'4"	9470 mm	31'0"
3 Maximum Cutting Height	9370 mm	30'9"	9170 mm	30'1"
4 Maximum Loading Height	6490 mm	21'3"	6290 mm	20'7"
5 Minimum Loading Height	2170 mm	7'1"	2590 mm	8'6"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6550 mm	21'6"	6110 mm	20'0"
7 Maximum Vertical Wall Digging Depth	5190 mm	17'0"	4800 mm	15'9"
Bucket Digging Force (ISO)	150 kN	33,811 lbf	150 kN	33,811 lbf
Stick Digging Force (ISO)	106 kN	23,911 lbf	118 kN	26,491 lbf
Bucket Type	GD		GD	
Bucket Capacity	1.19 m ³	1.56 yd ³	1.19 m ³	1.56 yd ³
Bucket Tip Radius	1570 mm	5'2"	1570 mm	5'2"

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Working Ranges

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



Boom Option

VA Boom
2.8 m (9'2") Stub/3.3 m (10'10") Fore

Stick Options

Reach Sticks

R2.9B1 (9'6")

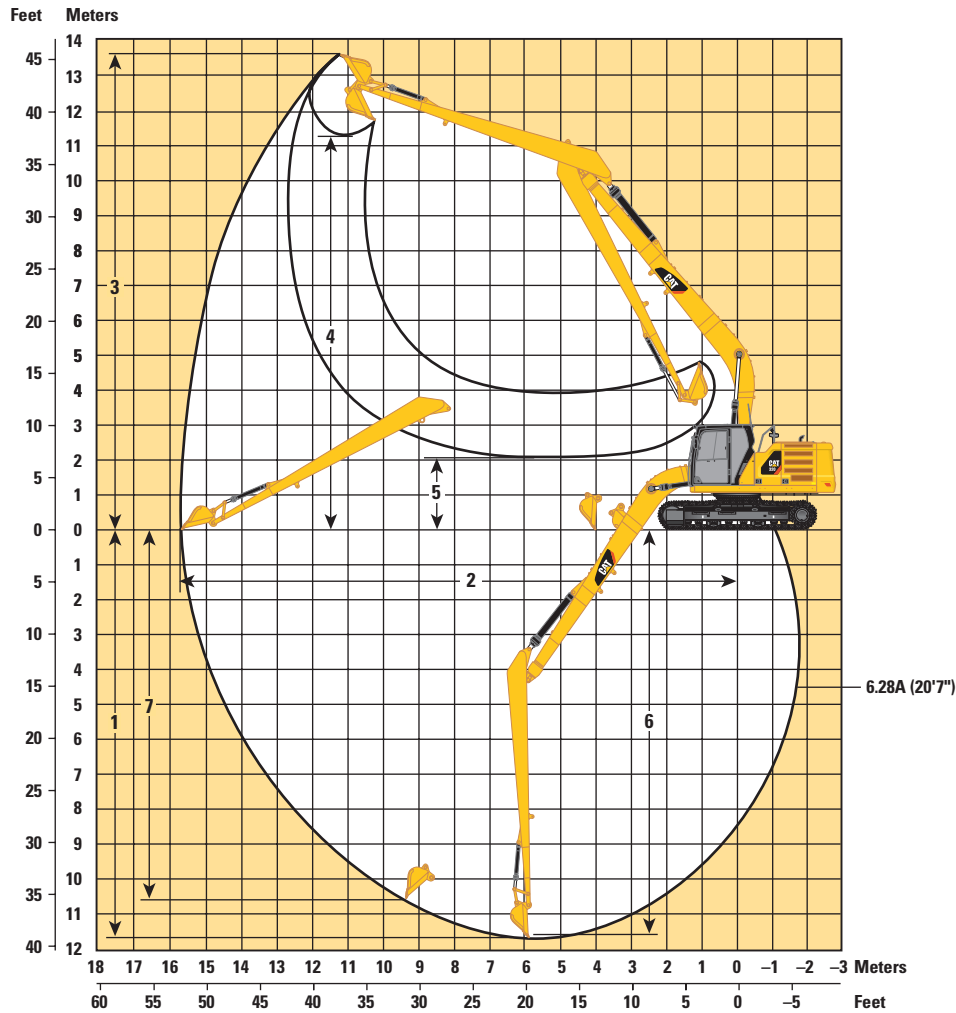
R2.5B1 (8'2")

	R2.9B1 (9'6")	R2.5B1 (8'2")
1 Maximum Digging Depth	6700 mm	21'11"
2 Maximum Reach at Ground Line	10 210 mm	33'6"
3 Maximum Cutting Height	11 520 mm	37'9"
4 Maximum Loading Height	8410 mm	27'7"
5 Minimum Loading Height	3260 mm	10'8"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6600 mm	21'7"
7 Maximum Vertical Wall Digging Depth	5060 mm	16'7"
Bucket Digging Force (ISO)	150 kN	33,811 lbf
Stick Digging Force (ISO)	106 kN	23,911 lbf
Bucket Type	GD	GD
Bucket Capacity	1.19 m ³	1.56 yd ³
Bucket Tip Radius	1570 mm	5'2"

320 Hydraulic Excavator Specifications

Working Ranges

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



Boom Option

SLR Boom
8.85 m (29'0")

Stick Options

SLR Stick

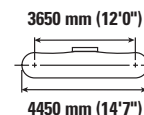
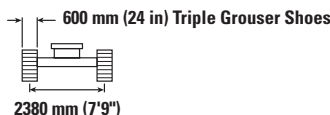
6.28A (20'7")

6.28A (20'7")

	6.28A (20'7")		6.28A (20'7")	
1 Maximum Digging Depth	11 540 mm	37'10"	11 690 mm	38'4"
2 Maximum Reach at Ground Line	15 570 mm	51'1"	15 730 mm	51'7"
3 Maximum Cutting Height	13 540 mm	44'5"	13 610 mm	44'8"
4 Maximum Loading Height	11 440 mm	37'6"	11 290 mm	37'0"
5 Minimum Loading Height	2240 mm	7'4"	2080 mm	6'10"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	11 440 mm	37'6"	11 590 mm	38'0"
7 Maximum Vertical Wall Digging Depth	11 020 mm	36'2"	10 560 mm	34'8"
Bucket Digging Force (ISO)	62 kN	13,841 lbf	60 kN	13,549 lbf
Stick Digging Force (ISO)	49 kN	10,966 lbf	49 kN	10,935 lbf
Bucket Type	DC		GD	
Bucket Capacity	0.57 m ³	0.75 yd ³	0.53 m ³	0.69 yd ³
Bucket Tip Radius	1070 mm	3'6"	1230 mm	4'0"

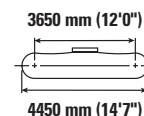
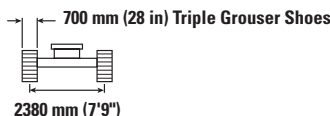
320 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



Reach Boom	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	mm in	
7500 mm 300 in							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in							*5450 *11,950	5400 11,600			*4000 *8,800	3950 8,750	7290 290
4500 mm 180 in							*6000 *13,000	5250 11,300	*5650 12,200	3700 7,950	*3900 *8,600	3350 7,400	7990 320
3000 mm 120 in					*8700 *18,750	7650 16,450	*6850 *14,900	5000 10,800	5550 11,950	3600 7,750	*4000 *8,800	3050 6,750	8360 330
1500 mm 60 in					*10 550 *22,800	7150 15,350	7600 16,300	4800 10,300	5450 11,700	3500 7,550	*4250 *9,350	2950 6,500	8450 340
0 mm 0 in			*6600 *15,200	*6600 *15,200	*11 600 25,000	6850 14,750	7400 15,900	4600 9,950	5350 11,500	3400 7,350	4700 10,300	3000 6,600	8260 330
-1500 mm -60 in	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	11 550 24,800	6750 14,550	7300 15,750	4550 9,800	5300 11,450	3400 7,300	5050 11,150	3250 7,150	7780 310
-3000 mm -120 in	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	13 200 28,250	*10 950 *23,700	6850 14,700	7350 15,800	4600 9,850			6000 13,250	3800 8,400	6950 280
-4500 mm -180 in			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7050 15,200					*6750 *14,850	5250 11,750	5600 220

Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



Reach Boom	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	mm in	
7500 mm 300 in							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in							*5450 *11,950	*5450 11,750			*4000 *8,800	4000 *8,800	7290 290
4500 mm 180 in							*6000 *13,000	5350 11,450	*5650 *12,350	3750 8,100	*3900 *8,600	3400 7,500	7990 320
3000 mm 120 in					*8700 *18,750	7750 16,650	*6850 *14,900	5100 10,950	5650 12,150	3700 7,900	*4000 *8,800	3100 6,850	8360 330
1500 mm 60 in					*10 550 *22,800	7250 15,600	7700 16,550	4850 10,450	5550 11,900	3550 7,650	*4250 *9,350	3000 6,600	8450 340
0 mm 0 in			*6600 *15,200	*6600 *15,200	*11 600 *25,050	6950 15,000	7500 16,150	4700 10,100	5450 11,700	3500 7,450	*4700 *10,350	3050 6,700	8260 330
-1500 mm -60 in	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	*11 700 25,200	6900 14,800	7450 16,000	4600 9,950	5400 11,650	3450 7,450	5150 11,350	3300 7,250	7780 310
-3000 mm -120 in	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	13 400 28,650	*10 950 *23,700	6950 14,950	7450 16,100	4650 10,000			6100 13,500	3850 8,550	6950 280
-4500 mm -180 in			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7150 15,400					*6750 *14,850	5300 11,950	5600 220



ISO 10567



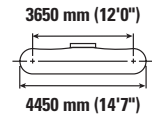
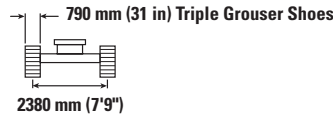
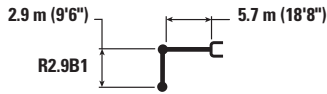
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

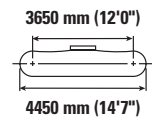
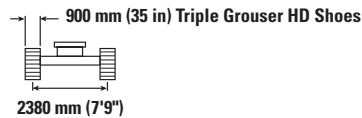
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Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



Reach Boom	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	mm in	
7500 mm 300 in							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in							*5450 *11,950	*5450 *11,900			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in							*6000 *13,000	5400 11,600	*5650 *12,350	3800 8,200	*3900 *8,600	3450 7,600	7990 320
3000 mm 120 in					*8700 *18,750	7850 16,850	*6850 *14,900	5150 11,100	5750 12,300	3700 8,000	*4000 *8,800	3150 6,950	8360 330
1500 mm 60 in					*10 550 *22,800	7350 15,800	*7800 *16,800	4900 10,600	5600 12,050	3600 7,750	*4250 *9,350	3050 6,700	8450 340
0 mm 0 in			*6600 *15,200	*6600 *15,200	*11 600 *25,050	7050 15,200	7600 16,400	4750 10,250	5500 11,850	3500 7,600	*4700 *10,350	3100 6,800	8260 330
-1500 mm -60 in	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	*11 700 *25,350	6950 15,000	7550 16,200	4700 10,050	5500 11,800	3500 7,550	5250 11,500	3350 7,350	7780 310
-3000 mm -120 in	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	13 550 29,050	*10 950 *23,700	7050 15,150	7600 16,300	4700 10,150			6150 13,650	3900 8,700	6950 280
-4500 mm -180 in			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7250 15,600					*6750 *14,850	5400 12,100	5600 220

Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



Reach Boom	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	mm in	
7500 mm 300 in							*4950	*4950			*4300 *9,550	*4300 *9,550	6150 240
6000 mm 240 in							*5450 *11,950	*5450 *11,950			*4000 *8,800	*4000 *8,800	7290 290
4500 mm 180 in							*6000 *13,000	5550 11,950	*5650 *12,350	3950 8,450	*3900 *8,600	3550 7,850	7990 320
3000 mm 120 in					*8700 *18,750	8050 17,400	*6850 *14,900	5300 11,450	5950 12,750	3850 8,250	*4000 *8,800	3250 7,200	8360 330
1500 mm 60 in					*10 550 *22,800	7550 16,300	*7800 *16,900	5100 10,950	5800 12,450	3750 8,000	*4250 *9,350	3150 6,950	8450 340
0 mm 0 in			*6600 *15,200	*6600 *15,200	*11 600 *25,050	7300 15,700	7900 16,950	4900 10,600	5700 12,300	3650 7,850	*4700 *10,350	3200 7,050	8260 330
-1500 mm -60 in	*7100 *15,800	*7100 *15,800	*11 400 *25,900	*11 400 *25,900	*11 700 *25,350	7200 15,500	7800 16,750	4850 10,400	5700 12,250	3600 7,800	5400 11,900	3450 7,600	7780 310
-3000 mm -120 in	*12 100 *27,150	*12 100 *27,150	*15 500 *33,600	14 000 30,000	*10 950 *23,700	7250 15,650	7850 16,850	4900 10,500			6400 14,150	4050 9,000	6950 280
-4500 mm -180 in			*12 400 *26,550	*12 400 *26,550	*8950 *19,000	7500 16,150					*6750 *14,850	5550 12,500	5600 220



ISO 10567



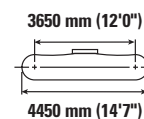
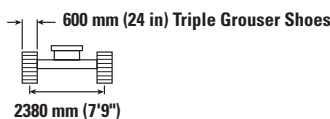
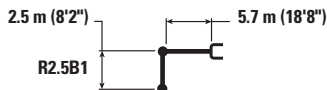
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

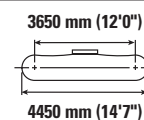
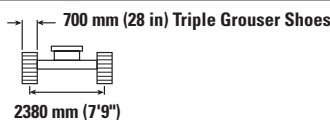
320 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



Reach Boom Diagram	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		Reach Boom Diagram		mm in	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
7500 mm 300 in										*5150 *11,500	*5150 *11,500	5600 220
6000 mm 240 in					*5900 *12,900	5300 11,400				*4750 *10,500	4300 9,600	6830 270
4500 mm 180 in			*7400 *15,950	*7400 *15,950	*6350 *13,850	5200 11,150	*5250	3650		*4650 *10,250	3600 7,950	7570 300
3000 mm 120 in			*9300 *20,000	7500 16,150	*7200 *15,600	4950 10,650	5550 11,850	3600 7,700		*4750 *10,450	3250 7,200	7960 320
1500 mm 60 in			*11 000 *23,700	7050 15,150	7550 16,200	4750 10,200	5400 11,650	3500 7,500		4900 10,750	3150 6,900	8050 320
0 mm 0 in			11 600 24,900	6800 14,650	7350 15,850	4600 9,900	5350 11,500	3400 7,350		5000 11,050	3200 7,050	7860 310
-1500 mm -60 in		*12 000 *27,300	*12 000 *27,300	11 550 24,800	6800 14,600	7350 15,750	4650 9,800			5500 12,100	3500 7,700	7350 290
-3000 mm -120 in		*14 550 *31,500	13 300 28,500	*10 550 *22,800	6900 14,800	7400 15,950	4650 10,000			6700 14,800	4200 9,350	6470 260
-4500 mm -180 in				*7900 *16,550	7150 15,450					*6850 *15,000	6250 14,150	4980 200

Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



Reach Boom Diagram	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		Reach Boom Diagram		mm in	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
7500 mm 300 in										*5150 *11,500	*5150 *11,500	5600 220
6000 mm 240 in					*5900 *12,900	5400 11,600				*4750 *10,500	4350 9,750	6830 270
4500 mm 180 in			*7400 *15,950	*7400 *15,950	*6350 *13,850	5250 11,300	*5250	3700		*4650 *10,250	3650 8,100	7570 300
3000 mm 120 in			*9300 *20,000	7600 16,350	*7200 *15,600	5050 10,850	5600 12,050	3650 7,800		*4750 *10,450	3300 7,300	7960 320
1500 mm 60 in			*11 000 *23,700	7150 15,350	7650 16,450	4800 10,350	5500 11,850	3550 7,600		4950 10,900	3200 7,050	8050 320
0 mm 0 in			*11 700 *25,300	6900 14,900	7500 16,100	4650 10,050	5450 11,700	3450 7,450		5100 11,200	3250 7,200	7860 310
-1500 mm -60 in		*12 000 *27,300	*12 000 *27,300	*11 600 *25,100	6900 14,800	7450 16,000	4650 9,950			5600 12,300	3550 7,850	7350 290
-3000 mm -120 in		*14 550 *31,500	13 500 28,950	*10 550 *22,800	7000 15,050	7550 16,200	4700 10,150			6800 15,050	4300 9,500	6470 260
-4500 mm -180 in				*7900 *16,550	7250 15,700					*6850 *15,000	6350 14,350	4980 200



ISO 10567



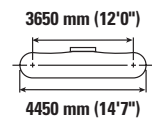
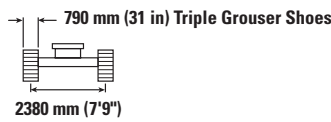
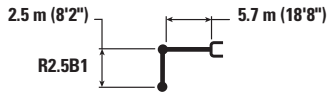
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Lift capacity stays with ±5% for all available track shoes.

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

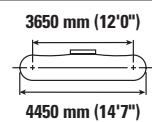
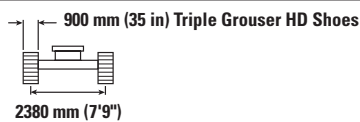
320 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



Reach Boom Diagram	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		Reach Boom Diagram		mm in	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
7500 mm 300 in										*5150 *11,500	*5150 *11,500	5600 220
6000 mm 240 in					*5900 *12,900	5450 11,700				*4750 *10,500	4400 9,850	6830 270
4500 mm 180 in			*7400 *15,950	*7400 *15,950	*6350 *13,850	5300 11,450	*5250	3750		*4650 *10,250	3700 8,200	7570 300
3000 mm 120 in			*9300 *20,000	7700 16,550	*7200 *15,600	5100 10,950	5700 12,200	3700 7,900		*4750 *10,450	3350 7,400	7960 320
1500 mm 60 in			*11 000 *23,700	7250 15,550	7750 16,700	4850 10,500	5600 12,000	3600 7,700		5050 11,050	3250 7,150	8050 320
0 mm 0 in			*11 700 *25,350	7000 15,100	7600 16,350	4750 10,200	5500 11,850	3500 7,550		5150 11,350	3300 7,300	7860 310
-1500 mm -60 in		*12 000 *27,300	*12 000 *27,300	*11 600 *25,100	7000 15,000	7550 16,250	4700 10,100			5650 12,500	3600 7,950	7350 290
-3000 mm -120 in		*14 550 *31,500	13 700 29,300	*10 550 *22,800	7100 15,250	7650 16,450	4750 10,250			6900 15,250	4350 9,650	6470 260
-4500 mm -180 in				*7900 *16,550	7350 15,900					*6850 *15,000	6400 14,500	4980 200

Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



Reach Boom Diagram	3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		Reach Boom Diagram		mm in	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
7500 mm 300 in										*5150 *11,500	*5150 *11,500	5600 220
6000 mm 240 in					*5900 *12,900	5600 12,050				*4750 *10,500	4550 10,150	6830 270
4500 mm 180 in			*7400 *15,950	*7400 *15,950	*6350 *13,850	5500 11,800	*5250	3900		*4650 *10,250	3850 8,450	7570 300
3000 mm 120 in			*9300 *20,000	7900 17,100	*7200 *15,600	5250 11,300	5900 12,650	3800 8,200		*4750 *10,450	3500 7,650	7960 320
1500 mm 60 in			*11 000 *23,700	7450 16,100	8000 17,250	5050 10,850	5800 12,400	3700 8,000		*5100 *11,150	3350 7,400	8050 320
0 mm 0 in			*11 700 *25,350	7250 15,600	7850 16,900	4900 10,550	5700 12,250	3650 7,850		5350 11,750	3450 7,550	7860 310
-1500 mm -60 in		*12 000 *27,300	*12 000 *27,300	*11 600 *25,100	7200 15,550	7800 16,800	4850 10,450			5850 12,950	3750 8,250	7350 290
-3000 mm -120 in		*14 550 *31,500	14 150 30,250	*10 550 *22,800	7300 15,750	*7800 *16,700	4950 10,600			*7000 *15,400	4500 9,950	6470 260
-4500 mm -180 in				*7900 *16,550	7600 16,400					*6850 *15,000	6600 15,000	4980 200



ISO 10567



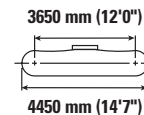
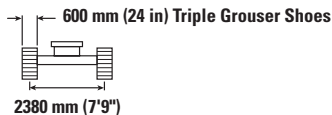
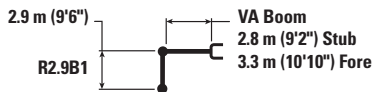
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

320 Hydraulic Excavator Specifications

VA Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
9000 mm 360 in	kg lb					*5100 *11,700	*5100 *11,700					*5200 *11,700	*5200 *11,700	4880 190
7500 mm 300 in	kg lb					*7100 *15,500	*7100 *15,500	*4300 *9,450	*4300 *9,450			*4350 *9,600	*4350 *9,600	6620 260
6000 mm 240 in	kg lb					*7300 *15,950	*7300 *15,950	*5250 *8,900	*5250 *8,900	*4050 *9,000	3650 7,750	*4000 *8,850	3450 7,700	7690 300
4500 mm 180 in	kg lb			*11 500 *25,000	*11 500 *25,000	*7300 *15,750	*7300 *15,750	*5150 *10,900	5150 *10,900	*4000 *8,800	3600 7,650	*3900 *8,600	2950 6,500	8350 330
3000 mm 120 in	kg lb	*19,000	*19,000	*11 000 *23,700	*11 000 *23,700	*7050 *15,300	*7050 *15,300	*4250 *9,250	*4250 *9,250	*4350 *9,300	3450 7,350	*3950 *8,700	2700 5,900	8710 350
1500 mm 60 in	kg lb			*6100 *13,850	*6100 *13,850	*6200 *13,400	*6200 *13,400	*4800 *10,450	4500 9,650	*4850 *10,200	3250 7,050	*4150 *9,100	2600 5,650	8790 350
0 mm 0 in	kg lb	*6900 *14,950	*6900 *14,950	*5600 *12,250	*5600 *12,250	*8200 *17,600	6300 13,600	*5700 *12,400	4250 9,200	5150 11,100	3150 6,800	4250 9,350	2600 5,750	8610 340
-1500 mm -60 in	kg lb	*8750 *19,450	*8750 *19,450	*9000 *20,450	*9000 *20,450	*9300 *20,200	6250 13,450	7050 15,150	4200 9,000	5100 11,000	3100 6,700	*4450 *9,700	2800 6,200	8160 320
-3000 mm -120 in	kg lb	*14 000 *31,350	*14 000 *31,350	*9950 *21,600	*9950 *21,600	*7000 *15,050	6350 13,650	*5500 *11,750	4250 9,100			*3700 *8,200	3300 7,300	7340 290
-4500 mm -180 in	kg lb	*22 050 *49,300	*22 050 *49,300	*10 250 *22,150	*10 250 *22,150	*6500 *14,150	*6500 *14,150					*5450 *12,300	5250 12,000	5350 210



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.

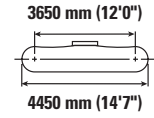
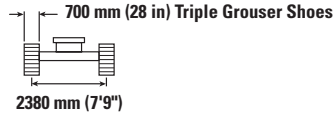
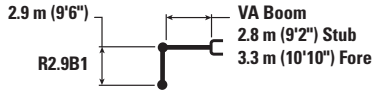
VA cylinder is flexible.



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

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

320 Hydraulic Excavator Specifications

VA Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
9000 mm 360 in					*5100 *11,700	*5100 *11,700					*5200 *11,700	*5200 *11,700	4880 190	
7500 mm 300 in					*7100 *15,500	*7100 *15,500	*4300 *9,450	*4300 *9,450			*4350 *9,600	*4350 *9,600	6620 260	
6000 mm 240 in					*7300 *15,950	*7300 *15,950	*5250 *8,900	*5250 *8,900	*4050 *9,000	3700 7,850	*4000 *8,850	3500 7,850	7690 300	
4500 mm 180 in			*11 500 *25,000	*11 500 *25,000	*7300 *15,750	*7300 *15,750	*5150 *10,900	*5150 *10,900	*4000 *8,800	3650 7,800	*3900 *8,600	3000 6,650	8350 330	
3000 mm 120 in		*19,000	*19,000	*11 000 *23,700	*11 000 *23,700	*7050 *15,300	*7050 *15,300	*4250 *9,250	*4250 *9,250	*4350 *9,300	3500 7,500	*3950 *8,700	2750 6,000	8710 350
1500 mm 60 in				*6100 *13,850	*6100 *13,850	*6200 *13,400	*6200 *13,400	*4800 *10,450	4550 9,800	*4850 *10,200	3350 7,150	*4150 *9,100	2650 5,750	8790 350
0 mm 0 in		*6900 *14,950	*6900 *14,950	*5600 *12,250	*5600 *12,250	*8200 *17,600	6450 13,850	*5700 *12,400	4350 9,350	5250 11,300	3200 6,900	4300 9,500	2650 5,850	8610 340
-1500 mm -60 in		*8750 *19,450	*8750 *19,450	*9000 *20,450	*9000 *20,450	*9300 *20,200	6350 13,700	7150 15,400	4250 9,150	5200 11,200	3200 6,850	*4450 *9,700	2850 6,300	8160 320
-3000 mm -120 in		*14 000 *31,350	*14 000 *31,350	*9950 *21,600	*9950 *21,600	*7000 *15,050	6450 13,900	*5500 *11,750	4300 9,300			*3700 *8,200	3350 7,450	7340 290
-4500 mm -180 in		*22 050 *49,300	*22 050 *49,300	*10 250 *22,150	*10 250 *22,150	*6500 *14,150	*6500 *14,150					*5450 *12,300	5300 12,200	5350 210



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.

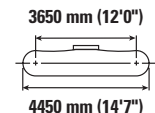
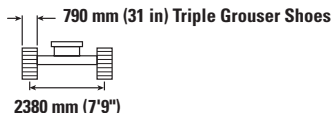
VA cylinder is flexible.

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

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

320 Hydraulic Excavator Specifications

VA Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
9000 mm 360 in	kg lb					*5100 *11,700	*5100 *11,700					*5200 *11,700	*5200 *11,700	4880 190
7500 mm 300 in	kg lb					*7100 *15,500	*7100 *15,500	*4300 *9,450	*4300 *9,450			*4350 *9,600	*4350 *9,600	6620 260
6000 mm 240 in	kg lb					*7300 *15,950	*7300 *15,950	*5250 *8,900	*5250 *8,900	*4050 *9,000	3750 7,950	*4000 *8,850	3550 7,950	7690 300
4500 mm 180 in	kg lb			*11 500 *25,000	*11 500 *25,000	*7300 *15,750	*7300 *15,750	*5150 *10,900	*5150 *10,900	*4000 *8,800	3700 7,900	*3900 *8,600	3050 6,700	8350 330
3000 mm 120 in	kg lb	*19,000	*19,000	*11 000 *23,700	*11 000 *23,700	*7050 *15,300	*7050 *15,300	*4250 *9,250	*4250 *9,250	*4350 *9,300	3550 7,600	*3950 *8,700	2800 6,100	8710 350
1500 mm 60 in	kg lb			*6100 *13,850	*6100 *13,850	*6200 *13,400	*6200 *13,400	*4800 *10,450	4600 9,950	*4850 *10,200	3400 7,250	*4150 *9,100	2650 5,850	8790 350
0 mm 0 in	kg lb	*6900 *14,950	*6900 *14,950	*5600 *12,250	*5600 *12,250	*8200 *17,600	6500 14,050	*5700 *12,400	4400 9,500	5300 11,450	3250 7,000	4400 9,650	2700 5,950	8610 340
-1500 mm -60 in	kg lb	*8750 *19,450	*8750 *19,450	*9000 *20,450	*9000 *20,450	*9300 *20,200	6450 13,900	*7250 *15,600	4300 9,300	5300 11,350	3200 6,950	*4450 *9,700	2900 6,400	8160 320
-3000 mm -120 in	kg lb	*14 000 *31,350	*14 000 *31,350	*9950 *21,600	*9950 *21,600	*7000 *15,050	6550 14,100	*5500 *11,750	4350 9,400			*3700 *8,200	3400 7,550	7340 290
-4500 mm -180 in	kg lb	*22 050 *49,300	*22 050 *49,300	*10 250 *22,150	*10 250 *22,150	*6500 *14,150	*6500 *14,150					*5450 *12,300	5400 *12,300	5350 210



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.

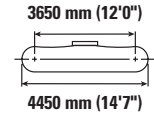
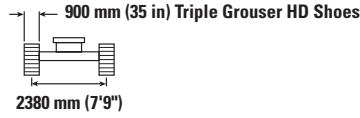
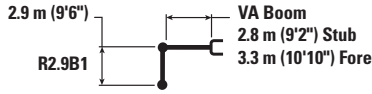
VA cylinder is flexible.



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

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

320 Hydraulic Excavator Specifications

VA Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
9000 mm 360 in					*5100 *11,700	*5100 *11,700					*5200 *11,700	*5200 *11,700	4880 190	
7500 mm 300 in					*7100 *15,500	*7100 *15,500	*4300 *9,450	*4300 *9,450			*4350 *9,600	*4350 *9,600	6620 260	
6000 mm 240 in					*7300 *15,950	*7300 *15,950	*5250 *8,900	*5250 *8,900	*4050 *9,000	3850 8,200	*4000 *8,850	*3700 *8,200	7690 300	
4500 mm 180 in			*11 500 *25,000	*11 500 *25,000	*7300 *15,750	*7300 *15,750	*5150 *10,900	*5150 *10,900	*4000 *8,800	3800 8,150	*3900 *8,600	*3150 *6,950	8350 330	
3000 mm 120 in		*19,000	*19,000	*11 000 *23,700	*11 000 *23,700	*7050 *15,300	*7050 *15,300	*4250 *9,250	*4250 *9,250	*4350 *9,300	3650 7,850	*3950 *8,700	2900 6,350	8710 350
1500 mm 60 in				*6100 *13,850	*6100 *13,850	*6200 *13,400	*6200 *13,400	*4800 *10,450	4800 10,300	*4850 *10,200	3500 7,500	*4150 *9,100	2750 6,100	8790 350
0 mm 0 in		*6900 *14,950	*6900 *14,950	*5600 *12,250	*5600 *12,250	*8200 *17,600	6750 14,550	*5700 *12,400	4550 9,850	*5500 *11,850	3400 7,300	*4500 *9,900	2800 6,150	8610 340
-1500 mm -60 in		*8750 *19,450	*8750 *19,450	*9000 *20,450	*9000 *20,450	*9300 *20,200	6700 14,400	*7250 *15,600	4500 9,650	*5400 *11,550	3350 7,200	*4450 *9,700	3050 6,650	8160 320
-3000 mm -120 in		*14 000 *31,350	*14 000 *31,350	*9950 *21,600	*9950 *21,600	*7000 *15,050	6800 14,600	*5500 *11,750	4550 9,750			*3700 *8,200	3550 7,850	7340 290
-4500 mm -180 in		*22 050 *49,300	*22 050 *49,300	*10 250 *22,150	*10 250 *22,150	*6500 *14,150	*6500 *14,150					*5450 *12,300	*5450 *12,300	5350 210



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.

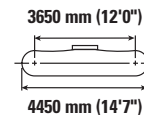
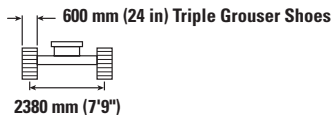
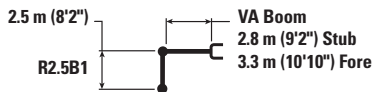
VA cylinder is flexible.

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

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

320 Hydraulic Excavator Specifications

VA Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
9000 mm 360 in	kg lb											*6500 *14,800	*6500 *14,800	4110 150
7500 mm 300 in	kg lb					*7500 *16,200	*7500 *16,200	*5250 *11,600	5250			*5200 *11,600	5100 *11,600	6080 240
6000 mm 240 in	kg lb					*7400 *16,000	*7400 *16,000	*4750 *10,350	*4750 *10,350			*4800 *10,550	3800 8,450	7230 290
4500 mm 180 in	kg lb			*11 400 *24,750	*11 400 *24,750	*7200 *15,600	*7200 *15,600	*4650 *10,650	*4650 *10,650	*4800 *10,400	3500 7,500	*4650 *10,250	3150 7,000	7930 310
3000 mm 120 in	kg lb			*10 000 *23,400	*10 000 *23,400	*6500 *14,050	*6500 *14,050	*4500 *9,800	*4500 *9,800	*5000 *11,150	3400 7,250	4600 10,100	2850 6,300	8300 330
1500 mm 60 in	kg lb			*6850 *14,650	*6850 *14,650	*6700 *14,400	6500 14,050	*5100 *11,100	4400 9,500	5250 11,300	3250 6,950	4450 9,800	2750 6,050	8390 330
0 mm 0 in	kg lb	*9800 *21,300	*9800 *21,300	*6400 *14,250	*6400 *14,250	*8900 *19,150	6300 13,500	*6100 *13,250	4250 9,150	5150 11,050	3150 6,750	4550 10,000	2800 6,150	8210 330
-1500 mm -60 in	kg lb	*11 000 *24,250	*11 000 *24,250	*9950 *21,300	*9950 *21,300	*8650 *18,800	6300 13,500	*6850 *14,800	4200 9,050	*4950 *10,300	3150 6,800	*4500 *9,900	3050 6,700	7720 310
-3000 mm -120 in	kg lb	*17 200 *38,450	*17 200 *38,450	*10 050 *21,800	*10 050 *21,800	*6350 *13,650	*6350 *13,650	*4800 *10,100	4300 9,250			*4100 *9,050	3700 8,200	6780 270
-4500 mm -180 in	kg lb	*23 250	*23 250	*10 500 *22,650	*10 500 *22,650							*7300 *17,400	*7300 *17,400	4150 160



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.

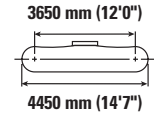
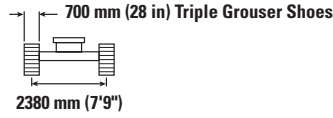
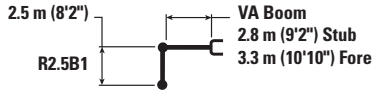
VA cylinder is flexible.



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

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

320 Hydraulic Excavator Specifications

VA Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
9000 mm 360 in												*6500 *14,800	*6500 *14,800	4110 150
7500 mm 300 in					*7500 *16,200	*7500 *16,200	*5250 *11,600	*5250 *11,600				*5200 *11,600	5200 *11,600	6080 240
6000 mm 240 in					*7400 *16,000	*7400 *16,000	*4750 *10,350	*4750 *10,350				*4800 *10,550	3850 8,550	7230 290
4500 mm 180 in			*11 400 *24,750	*11 400 *24,750	*7200 *15,600	*7200 *15,600	*4650 *10,650	*4650 *10,650	*4800 *10,400	3550 7,600		*4650 *10,250	3200 7,100	7930 310
3000 mm 120 in			*10 000 *23,400	*10 000 *23,400	*6500 *14,050	*6500 *14,050	*4500 *9,800	*4500 *9,800	*5000 *11,150	3450 7,350		4650 10,300	2900 6,400	8300 330
1500 mm 60 in			*6850 *14,650	*6850 *14,650	*6700 *14,400	6600 14,300	*5100 *11,100	4500 9,700	5350 11,450	3300 7,100		4500 9,950	2800 6,150	8390 330
0 mm 0 in	*9800 *21,300	*9800 *21,300	*6400 *14,250	*6400 *14,250	*8900 *19,150	6400 13,750	*6100 *13,250	4300 9,300	5250 11,250	3200 6,900		4650 10,200	2850 6,250	8210 330
-1500 mm -60 in	*11 000 *24,250	*11 000 *24,250	*9950 *21,300	*9950 *21,300	*8650 *18,800	6400 13,750	*6850 *14,800	4250 9,200	*4950 *10,300	3200 6,900		*4500 *9,900	3100 6,800	7720 310
-3000 mm -120 in	*17 200 *38,450	*17 200 *38,450	*10 050 *21,800	*10 050 *21,800	*6350 *13,650	*6350 *13,650	*4800 *10,100	4350 9,400				*4100 *9,050	3750 8,350	6780 270
-4500 mm -180 in	*23 250 *51,200	*23 250 *51,200	*10 500 *22,650	*10 500 *22,650								*7300 *17,400	*7300 *17,400	4150 160



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.

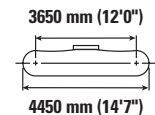
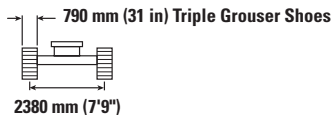
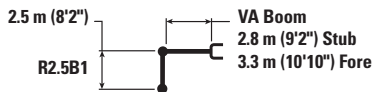
VA cylinder is flexible.

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

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

320 Hydraulic Excavator Specifications

VA Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
9000 mm 360 in	kg lb											*6500 *14,800	*6500 *14,800	4110 150
7500 mm 300 in	kg lb					*7500 *16,200	*7500 *16,200	*5250 *11,600	*5250 *11,600			*5200 *11,600	*5200 *11,600	6080 240
6000 mm 240 in	kg lb					*7400 *16,000	*7400 *16,000	*4750 *10,350	*4750 *10,350			*4800 *10,550	3900 8,700	7230 290
4500 mm 180 in	kg lb			*11 400 *24,750	*11 400 *24,750	*7200 *15,600	*7200 *15,600	*4650 *10,650	*4650 *10,650	*4800 *10,400	3600 7,700	*4650 *10,250	3250 7,200	7930 310
3000 mm 120 in	kg lb			*10 000 *23,400	*10 000 *23,400	*6500 *14,050	*6500 *14,050	*4500 *9,800	*4500 *9,800	*5000 *11,150	3500 7,450	*4700 *10,350	2950 6,500	8300 330
1500 mm 60 in	kg lb			*6850 *14,650	*6850 *14,650	*6700 *14,400	*6700 *14,400	*5100 *11,100	4550 9,800	5400 11,650	3350 7,200	4600 10,100	2850 6,250	8390 330
0 mm 0 in	kg lb	*9800 *21,300	*9800 *21,300	*6400 *14,250	*6400 *14,250	*8900 *19,150	6500 13,950	*6100 *13,250	4400 9,400	5300 11,450	3250 7,000	4700 10,350	2900 6,350	8210 330
-1500 mm -60 in	kg lb	*11 000 *24,250	*11 000 *24,250	*9950 *21,300	*9950 *21,300	*8650 *18,800	6500 13,950	*6850 *14,800	4350 9,300	*4950 *10,300	3250 7,000	*4500 *9,900	3150 6,900	7720 310
-3000 mm -120 in	kg lb	*17 200 *38,450	*17 200 *38,450	*10 050 *21,800	*10 050 *21,800	*6350 *13,650	*6350 *13,650	*4800 *10,100	4450 9,550			*4100 *9,050	3800 8,450	6780 270
-4500 mm -180 in	kg lb	*23 250	*23 250	*10 500 *22,650	*10 500 *22,650							*7300 *17,400	*7300 *17,400	4150 160



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.

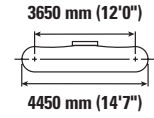
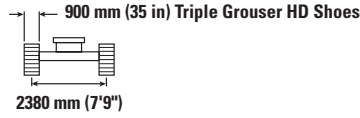
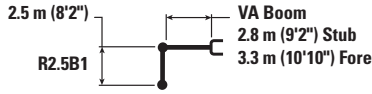
VA cylinder is flexible.















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

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

320 Hydraulic Excavator Specifications

VA Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in		
																
9000 mm 360 in	kg lb													*6500 *14,800	*6500 *14,800	4110 150
7500 mm 300 in	kg lb					*7500 *16,200	*7500 *16,200	*5250	*5250					*5200 *11,600	*5200 *11,600	6080 240
6000 mm 240 in	kg lb					*7400 *16,000	*7400 *16,000	*4750 *10,350	*4750 *10,350					*4800 *10,550	4000 8,950	7230 290
4500 mm 180 in	kg lb			*11 400 *24,750	*11 400 *24,750	*7200 *15,600	*7200 *15,600	*4650 *10,650	*4650 *10,650	*4800 *10,400	3750 8,000			*4650 *10,250	3400 7,500	7930 310
3000 mm 120 in	kg lb			*10 000 *23,400	*10 000 *23,400	*6500 *14,050	*6500 *14,050	*4500 *9,800	*4500 *9,800	*5000 *11,150	3600 7,750			*4700 *10,350	3050 6,750	8300 330
1500 mm 60 in	kg lb			*6850 *14,650	*6850 *14,650	*6700 *14,400	*6700 *14,400	*5100 *11,100	4700 10,150	*5550 12,050	3450 7,450			4750 10,450	2950 6,500	8390 330
0 mm 0 in	kg lb	*9800 *21,300	*9800 *21,300	*6400 *14,250	*6400 *14,250	*8900 *19,150	6700 14,450	*6100 *13,250	4550 9,750	5500 11,850	3400 7,250			4850 10,700	3000 6,600	8210 330
-1500 mm -60 in	kg lb	*11 000 *24,250	*11 000 *24,250	*9950 *21,300	*9950 *21,300	*8650 *18,800	6700 14,450	*6850 *14,800	4500 9,650	*4950 *10,300	3400 7,300			*4500 *9,900	3250 7,200	7720 310
-3000 mm -120 in	kg lb	*17 200 *38,450	*17 200 *38,450	*10 050 *21,800	*10 050 *21,800	*6350 *13,650	*6350 *13,650	*4800 *10,100	4600 9,900					*4100 *9,050	3950 8,800	6780 270
-4500 mm -180 in	kg lb	*23 250	*23 250	*10 500 *22,650	*10 500 *22,650									*7300 *17,400	*7300 *17,400	4150 160



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.

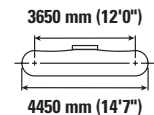
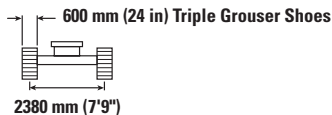
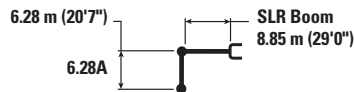
VA cylinder is flexible.















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

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

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On



	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in	
														
12 000 mm 480 in	kg lb											*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb											*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb											*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb											*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb											*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb											*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb			*4700 *11,850	*4700 *11,850	*6750 *14,450	*6750 *14,450	*5000 *10,750	5000 *10,750	*4100 *8,800	3600 7,750	*1150 *2,500	1150 2,500	14 550 580
1500 mm 60 in	kg lb					*6750 *16,000	6350 13,800	*5900 *12,750	4400 9,500	*4650 *10,050	3250 7,000	*1200 *2,600	1100 2,400	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*6650 *14,350	3950 8,550	4950 10,650	2950 6,400	*1250 *2,750	1100 2,350	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,100	*2700 *6,100	*4650 *10,500	*4650 *10,500	6500 13,950	3700 7,950	4750 10,150	2750 5,950	*1350 *3,000	1100 2,350	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3550 *7,900	*3550 *7,900	*5200 *11,750	*5200 11,450	6350 13,600	3550 7,650	4600 9,900	2650 5,700	*1500 *3,300	1150 2,450	13 790 550
-4500 mm -180 in	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	5350 11,500	6300 13,500	3550 7,600	4550 9,750	2600 5,600	*1700 *3,750	1200 2,650	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,150	*4550 *10,150	*5400 *12,150	*5400 *12,150	*7200 *16,350	5450 11,750	6350 13,600	3550 7,650	4550 9,800	2600 5,600	*2000 *4,450	1350 3,000	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6600 *14,800	*6600 *14,800	*8300 *17,800	5650 12,200	*6450 *13,850	3700 7,900	4650 10,000	2700 5,750	*2500 *5,650	1600 3,550	11 240 440
-9000 mm -360 in	kg lb			*7950 *18,000	*7950 *18,000	*7050 *14,950	5950 12,800	*5550 *11,800	3850 8,350	*4500 *9,500	2800 6,100	*3100 *6,800	2000 4,550	9800 380



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.

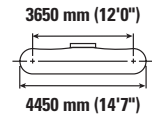
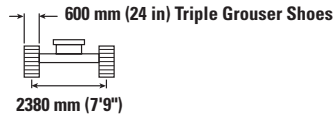
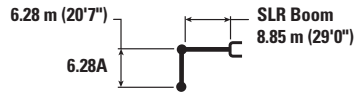
Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

(continued on next page)

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On (continued)



	9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				mm in	
	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb		
12 000 mm 480 in										*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in			*2350 *4,700	*2350 *4,700						*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in			*2450 *5,450	*2450 5,400	*2000 *3,650	1900 *3,650				*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in			*2550 *5,550	2500 5,300	*2500 *5,400	1900 4,050				*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in			*2700 *5,900	2400 5,100	*2600 *5,700	1850 3,900	*1850 *3,250	1450 3,000		*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb	*3150 *6,850	2950 6,300	*2900 *6,300	2250 4,850	*2750 *5,950	1750 3,750	2300 *4,600	1400 2,950	*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb	*3500 *7,600	2750 5,850	*3150 *6,850	2100 4,550	2700 5,800	1700 3,550	2200 4,750	1350 2,850	*1150 *2,500	1150 2,500	14 550 580
1500 mm 60 in	kg lb	*3900 *8,400	2500 5,400	3200 6,900	2000 4,250	2600 5,600	1600 3,350	2150 4,600	1300 2,700	*1200 *2,600	1100 2,400	14 600 580
0 mm 0 in	kg lb	3850 8,250	2300 4,950	3100 6,600	1850 3,950	2550 5,400	1500 3,200	2100 4,500	1250 2,600	*1250 *2,750	1100 2,350	14 490 570
-1500 mm -60 in	kg lb	3700 7,900	2150 4,650	2950 6,350	1750 3,750	2450 5,250	1450 3,050	2050 4,400	1200 2,500	*1350 *3,000	1100 2,350	14 230 560
-3000 mm -120 in	kg lb	3600 7,700	2100 4,450	2900 6,200	1700 3,600	2400 5,150	1400 2,950	2050 *3,650	1150 2,500	*1500 *3,300	1150 2,450	13 790 550
-4500 mm -180 in	kg lb	3550 7,600	2050 4,350	2850 6,150	1650 3,500	2400 5,150	1350 2,950			*1700 *3,750	1200 2,650	13 170 520
-6000 mm -240 in	kg lb	3550 7,600	2050 4,350	2850 6,150	1650 3,550	2400 *5,150	1400 3,000			*2000 *4,450	1350 3,000	12 340 490
-7500 mm -300 in	kg lb	3600 7,750	2100 4,500	2950 6,350	1700 3,700					*2500 *5,650	1600 3,550	11 240 440
-9000 mm -360 in	kg lb	*3600 *7,500	2250 4,800							*3100 *6,800	2000 4,550	9800 380



ISO 10567



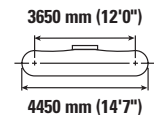
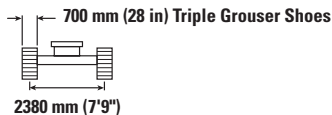
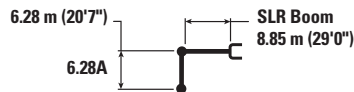
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
12 000 mm 480 in	kg lb											*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb											*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb											*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb											*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb											*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb											*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb			*4700 *11,850	*4700 *11,850	*6750 *14,450	*6750 *14,450	*5000 *10,750	*5000 *10,750	*4100 *8,800	3650 7,850	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb					*6750 *16,000	6500 14,000	*5900 *12,750	4500 9,650	*4650 *10,050	3300 7,150	*1200 *2,600	1100 2,450	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*6650 *14,350	4050 8,700	5050 10,850	3050 6,500	*1250 *2,750	1100 2,400	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,100	*2700 *6,100	*4650 *10,500	*4650 *10,500	6600 14,200	3750 8,100	4800 10,350	2850 6,050	*1350 *3,000	1100 2,450	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3550 *7,900	*3550 *7,900	*5200 *11,750	*5200 11,650	6450 13,850	3650 7,800	4700 10,050	2700 5,800	*1500 *3,300	1150 2,550	13 790 550
-4500 mm -180 in	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	5450 11,750	6400 13,800	3600 7,750	4650 9,950	2650 5,700	*1700 *3,750	1250 2,750	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,150	*4550 *10,150	*5400 *12,150	*5400 *12,150	*7200 *16,350	5600 12,000	6450 13,900	3650 7,850	4650 10,000	2650 5,750	*2000 *4,450	1400 3,050	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6600 *14,800	*6600 *14,800	*8300 *17,800	5750 12,400	*6450 *13,850	3750 8,050	4700 10,150	2750 5,900	*2500 *5,650	1650 3,600	11 240 440
-9000 mm -360 in	kg lb			*7950 *18,000	*7950 *18,000	*7050 *14,950	6050 13,050	*5550 *11,800	3950 8,500	*4500 *9,500	2900 6,200	*3100 *6,800	2050 4,650	9800 380



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.

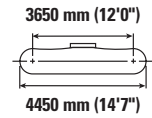
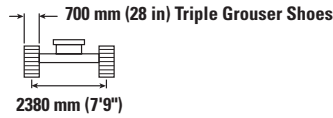
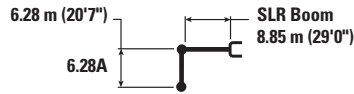
Lift capacity stays with $\pm 5\%$ for all available track shoes.













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

(continued on next page)

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On (continued)



	9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				mm in	
												
12 000 mm 480 in	kg lb									*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb			*2350 *4,700	*2350 *4,700					*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb			*2450 *5,450	*2450 *5,450	*2000 *3,650	1950 *3,650			*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb			*2550 *5,550	2500 5,350	*2500 *5,400	1950 4,100			*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb			*2700 *5,900	2400 5,200	*2600 *5,700	1900 4,000	*1850 *3,250	1450 3,050	*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb	*3150 *6,850	3000 6,400	*2900 *6,300	2300 4,900	*2750 *5,950	1800 3,850	*2300 *4,600	1400 3,000	*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb	*3500 *7,600	2750 5,950	*3150 *6,850	2150 4,600	2750 5,900	1700 3,650	2250 4,850	1350 2,900	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb	*3900 *8,400	2550 5,500	3250 7,000	2000 4,300	2650 5,700	1600 3,450	2200 4,700	1300 2,750	*1200 *2,600	1100 2,450	14 600 580
0 mm 0 in	kg lb	3900 8,400	2350 5,050	3150 6,750	1900 4,050	2550 5,500	1550 3,250	2150 4,600	1250 2,650	*1250 *2,750	1100 2,400	14 490 570
-1500 mm -60 in	kg lb	3750 8,050	2200 4,750	3050 6,500	1800 3,800	2500 5,350	1450 3,100	2100 4,500	1200 2,600	*1350 *3,000	1100 2,450	14 230 560
-3000 mm -120 in	kg lb	3650 7,850	2100 4,550	2950 6,350	1700 3,650	2450 5,250	1400 3,000	2100 *3,650	1200 2,550	*1500 *3,300	1150 2,550	13 790 550
-4500 mm -180 in	kg lb	3600 7,750	2100 4,450	2900 6,250	1700 3,600	2450 5,250	1400 3,000			*1700 *3,750	1250 2,750	13 170 520
-6000 mm -240 in	kg lb	3600 7,750	2100 4,450	2950 6,300	1700 3,650	2450 *5,150	1450 3,100			*2000 *4,450	1400 3,050	12 340 490
-7500 mm -300 in	kg lb	3650 7,900	2150 4,600	3000 6,450	1750 3,800					*2500 *5,650	1650 3,600	11 240 440
-9000 mm -360 in	kg lb	*3600 *7,500	2250 4,900							*3100 *6,800	2050 4,650	9800 380



ISO 10567



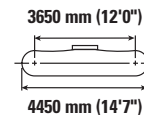
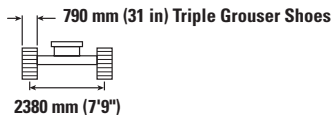
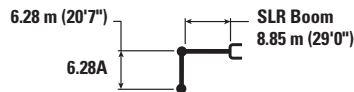
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













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

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

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On



	1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in	
														
12 000 mm 480 in	kg lb											*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb											*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb											*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb											*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb											*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb											*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb			*4700 *11,850	*4700 *11,850	*6750 *14,450	*6750 *14,450	*5000 *10,750	*5000 *10,750	*4100 *8,800	3700 7,950	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb					*6750 *16,000	6550 14,200	*5900 *12,750	4550 9,800	*4650 *10,050	3350 7,250	*1200 *2,600	1150 2,500	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*6650 *14,350	4100 8,850	5100 11,000	3100 6,600	*1250 *2,750	1150 2,450	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,100	*2700 *6,100	*4650 *10,500	*4650 *10,500	6700 14,400	3850 8,250	4900 10,550	2850 6,150	*1350 *3,000	1150 2,500	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3550 *7,900	*3550 *7,900	*5200 *11,750	*5200 *11,750	6550 14,100	3700 7,950	4750 10,250	2750 5,900	*1500 *3,300	1200 2,600	13 790 550
-4500 mm -180 in	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	5550 11,950	6500 14,000	3650 7,850	4700 10,100	2700 5,800	*1700 *3,750	1250 2,800	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,150	*4550 *10,150	*5400 *12,150	*5400 *12,150	*7200 *16,350	5650 12,200	6550 14,100	3700 7,950	4700 10,150	2700 5,850	*2000 *4,450	1400 3,100	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6600 *14,800	*6600 *14,800	*8300 *17,800	5850 12,600	*6450 *13,850	3800 8,200	4800 10,350	2800 6,000	*2500 *5,650	1650 3,700	11 240 440
-9000 mm -360 in	kg lb			*7950 *18,000	*7950 *18,000	*7050 *14,950	6150 13,250	*5550 *11,800	4000 8,650	*4500 *9,500	2950 6,300	*3100 *6,800	2100 4,700	9800 380



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.

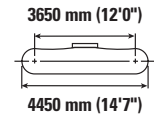
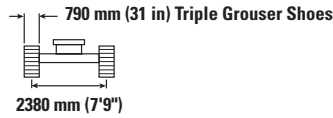
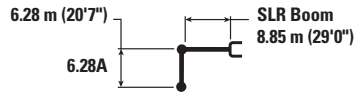
Lift capacity stays with ±5% for all available track shoes.













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

(continued on next page)

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On (continued)



	9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				mm in	
												
12 000 mm 480 in	kg lb									*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb			*2350 *4,700	*2350 *4,700					*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb			*2450 *5,450	*2450 *5,450	*2000 *3,650	2000 *3,650			*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb			*2550 *5,550	2550 5,450	*2500 *5,400	1950 4,150			*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb			*2700 *5,900	2450 5,250	*2600 *5,700	1900 4,050	*1850 *3,250	1500 3,100	*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb	*3150 *6,850	3050 6,500	*2900 *6,300	2350 5,000	*2750 *5,950	1850 3,900	2350 *4,600	1450 3,050	*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb	*3500 *7,600	2800 6,050	*3150 *6,850	2200 4,700	2800 6,000	1750 3,700	2300 4,900	1400 2,950	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb	*3900 *8,400	2600 5,550	3300 7,150	2050 4,400	2700 5,800	1650 3,500	2250 4,800	1350 2,800	*1200 *2,600	1150 2,500	14 600 580
0 mm 0 in	kg lb	3950 8,550	2400 5,150	3200 6,850	1900 4,100	2600 5,600	1550 3,300	2200 4,650	1300 2,700	*1250 *2,750	1150 2,450	14 490 570
-1500 mm -60 in	kg lb	3800 8,200	2250 4,850	3100 6,600	1800 3,900	2550 5,450	1500 3,200	2150 4,600	1250 2,650	*1350 *3,000	1150 2,500	14 230 560
-3000 mm -120 in	kg lb	3700 7,950	2150 4,650	3000 6,450	1750 3,750	2500 5,350	1450 3,100	2100 *3,650	1200 2,600	*1500 *3,300	1200 2,600	13 790 550
-4500 mm -180 in	kg lb	3650 7,850	2100 4,550	2950 6,350	1700 3,700	2500 5,350	1450 3,050			*1700 *3,750	1250 2,800	13 170 520
-6000 mm -240 in	kg lb	3650 7,900	2100 4,550	3000 6,400	1750 3,700	2500 *5,150	1450 3,150			*2000 *4,450	1400 3,100	12 340 490
-7500 mm -300 in	kg lb	3700 8,050	2200 4,700	3050 6,600	1800 3,850					*2500 *5,650	1650 3,700	11 240 440
-9000 mm -360 in	kg lb	*3600 *7,500	2300 5,000							*3100 *6,800	2100 4,700	9800 380



ISO 10567



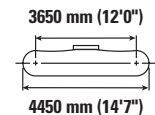
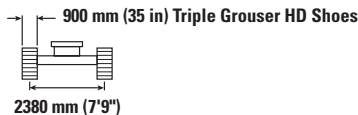
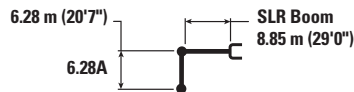
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories 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.

320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in		mm in		
12 000 mm 480 in	kg lb											*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb											*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb											*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb											*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb											*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb											*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb			*4700 *11,850	*4700 *11,850	*6750 *14,450	*6750 *14,450	*5000 *10,750	*5000 *10,750	*4100 *8,800	3850 8,250	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb					*6750 *16,000	*6750 14,700	*5900 *12,750	4700 10,150	*4650 *10,050	3500 7,500	*1200 *2,600	*1200 *2,600	14 600 580
0 mm 0 in	kg lb			*2000 *4,550	*2000 *4,550	*4650 *10,700	*4650 *10,700	*6650 *14,350	4250 9,200	*5150 *11,100	3200 6,900	*1250 *2,750	1200 2,600	14 490 570
-1500 mm -60 in	kg lb	*2100 *4,600	*2100 *4,600	*2700 *6,100	*2700 *6,100	*4650 *10,500	*4650 *10,500	6950 15,000	4000 8,600	5100 10,950	3000 6,450	*1350 *3,000	1200 2,600	14 230 560
-3000 mm -120 in	kg lb	*2850 *6,350	*2850 *6,350	*3550 *7,900	*3550 *7,900	*5200 *11,750	*5200 *11,750	6800 14,650	3850 8,300	4950 10,650	2900 6,200	*1500 *3,300	1250 2,700	13 790 550
-4500 mm -180 in	kg lb	*3650 *8,150	*3650 *8,150	*4400 *9,900	*4400 *9,900	*6050 *13,700	5800 12,450	6800 14,550	3850 8,200	4900 10,550	2850 6,050	*1700 *3,750	1350 2,950	13 170 520
-6000 mm -240 in	kg lb	*4550 *10,150	*4550 *10,150	*5400 *12,150	*5400 *12,150	*7200 *16,350	5900 12,700	6850 14,650	3850 8,300	4900 10,550	2850 6,100	*2000 *4,450	1500 3,300	12 340 490
-7500 mm -300 in	kg lb	*5500 *12,250	*5500 *12,250	*6600 *14,800	*6600 *14,800	*8300 *17,800	6100 13,100	*6450 *13,850	3950 8,550	5000 10,750	2900 6,250	*2500 *5,650	1750 3,850	11 240 440
-9000 mm -360 in	kg lb			*7950 *18,000	*7950 *18,000	*7050 *14,950	6350 13,750	*5550 *11,800	4150 9,000	*4500 *9,500	3050 6,600	*3100 *6,800	2200 4,900	9800 380



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.

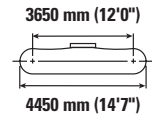
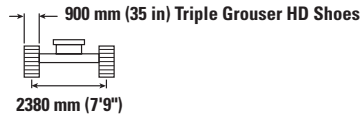
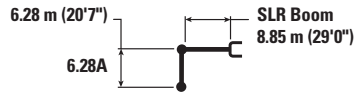
Lift capacity stays with ±5% for all available track shoes.













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

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320 Hydraulic Excavator Specifications

SLR Boom Lift Capacities – Counterweight: 4.7 mt (10,400 lb) – without Bucket, Heavy Lift: On (continued)



	9000 mm/360 in		10 500 mm/420 in		12 000 mm/480 in		13 500 mm/540 in				mm in	
												
12 000 mm 480 in	kg lb									*1250 *2,800	*1250 *2,800	10 350 400
10 500 mm 420 in	kg lb			*2350 *4,700	*2350 *4,700					*1200 *2,600	*1200 *2,600	11 660 460
9000 mm 360 in	kg lb			*2450 *5,450	*2450 *5,450	*2000 *3,650	*2000 *3,650			*1150 *2,450	*1150 *2,450	12 660 500
7500 mm 300 in	kg lb			*2550 *5,550	*2550 *5,550	*2500 *5,400	2050 4,300			*1100 *2,400	*1100 *2,400	13 410 530
6000 mm 240 in	kg lb			*2700 *5,900	2550 5,450	*2600 *5,700	2000 4,200	*1850 *3,250	1550 *3,250	*1100 *2,400	*1100 *2,400	13 970 550
4500 mm 180 in	kg lb	*3150 *6,850	3100 6,700	*2900 *6,300	2400 5,150	*2750 *5,950	1900 4,050	*2400 *4,600	1500 3,200	*1100 *2,400	*1100 *2,400	14 340 570
3000 mm 120 in	kg lb	*3500 *7,600	2900 6,250	*3150 *6,850	2300 4,850	*2900 6,250	1800 3,850	2400 5,100	1450 3,100	*1150 *2,500	*1150 *2,500	14 550 580
1500 mm 60 in	kg lb	*3900 *8,400	2700 5,800	*3400 *7,350	2150 4,550	2800 6,050	1700 3,650	2350 5,000	1400 2,950	*1200 *2,600	*1200 *2,600	14 600 580
0 mm 0 in	kg lb	4100 8,850	2500 5,350	3300 7,100	2000 4,300	2750 5,850	1650 3,500	2300 4,900	1350 2,850	*1250 *2,750	1200 2,600	14 490 570
-1500 mm -60 in	kg lb	3950 8,500	2350 5,050	3200 6,850	1900 4,050	2650 5,700	1550 3,350	2250 4,800	1300 2,750	*1350 *3,000	1200 2,600	14 230 560
-3000 mm -120 in	kg lb	3850 8,300	2250 4,850	3150 6,700	1850 3,900	2600 5,600	1500 3,250	2200 *3,650	1300 2,750	*1500 *3,300	1250 2,700	13 790 550
-4500 mm -180 in	kg lb	3800 8,200	2200 4,750	3100 6,650	1800 3,850	2600 5,550	1500 3,200			*1700 *3,750	1350 2,950	13 170 520
-6000 mm -240 in	kg lb	3800 8,200	2200 4,750	3100 6,700	1800 3,900	2600 *5,150	1550 3,300			*2000 *4,450	1500 3,300	12 340 490
-7500 mm -300 in	kg lb	3900 8,350	2300 4,900	3150 6,850	1850 4,050					*2500 *5,650	1750 3,850	11 240 440
-9000 mm -360 in	kg lb	*3600 *7,500	2400 5,200							*3100 *6,800	2200 4,900	9800 380



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.

320 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	4.2 mt (9,300 lb) Counterweight				4.7 mt (10,400 lb) Counterweight	
		mm	in	m ³	yd ³	kg	lb		%	Reach Boom		VA Boom		SLR Boom
										R2.5 (8'2")	R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")	6.28A (20'7")
Pin-On (No Quick Coupler)														
General Duty	B	600	24	0.46	0.61	555	1,223	100	●	●	●	●		
	B	750	30	0.64	0.84	626	1,380	100	●	●	●	●		
	B	1200	48	1.19	1.56	812	1,789	100	●	⊙	⊖	⊖		
	B	1300	51	1.30	1.70	835	1,841	100	⊙	⊖	⊖	○		
	B	1400	55	1.43	1.87	879	1,937	100	X	X	X	X		
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	1200	48	1.19	1.56	807	1,778	100	●	⊙	⊖	⊖		
	B	1400	55	1.43	1.87	874	1,926	100	X	X	X	X		
	B	1500	60	1.58	2.06	914	2,014	100	X	X	X	X		
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	●	●	⊙	⊖		
	B	1200	48	1.19	1.56	917	2,022	100	⊙	⊙	⊖	○		
	B	1300	52	1.30	1.70	974	2,148	100	⊙	⊖	○	○		
Severe Duty	B	1050	42	1.00	1.31	948	2,091	90	●	●	●	⊙		
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	●	⊙	⊖	⊖		
Ditch Cleaning	B	2000	78	1.22	1.60	869	1,916	100	⊙	⊙	⊖	○		
Ditch Cleaning Tilt	B	2000	79	1.23	1.61	1096	2,417	100	⊙	⊖	○	○		
General Duty	312	900	36	0.53	0.69	403	888	100					◇	
Ditch Cleaning	312	1200	48	0.57	0.74	386	851	100					◇	
Maximum load with pin-on (payload + bucket)									kg	3235	3010	2705	2520	800
									lb	7,132	6,636	5,964	5,556	1,764

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/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)
- ◇ 900 kg/m³ (1,500 lb/yd³)
- 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.

(continued on next page)

320 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility (continued)

	Linkage	Width		Capacity		Weight		Fill	4.2 mt (9,300 lb) Counterweight				4.7 mt (10,400 lb) Counterweight
		mm	in	m ³	yd ³	kg	lb		Reach Boom		VA Boom		SLR Boom
									R2.5 (8'2")	R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")	6.28A (20'7")
With Cat Pin Grabber Coupler													
General Duty	B	600	24	0.46	0.61	555	1,223	100	●	●	●	●	
	B	750	30	0.64	0.84	626	1,380	100	●	●	●	●	
	B	1200	48	1.19	1.56	812	1,789	100	⊙	⊖	○	◇	
	B	1300	51	1.30	1.70	835	1,841	100	⊖	○	○	◇	
	B	1400	55	1.43	1.87	879	1,937	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	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	○	◇	◇	X	
Heavy Duty	B	1050	42	1.00	1.31	892	1,967	100	⊙	⊙	⊖	○	
	B	1200	48	1.19	1.56	917	2,022	100	⊖	⊖	○	◇	
	B	1300	52	1.30	1.70	974	2,148	100	⊖	○	◇	◇	
Severe Duty	B	1050	42	1.00	1.31	948	2,091	90	●	⊙	⊖	○	
Severe Duty Spade	B	1200	48	1.20	1.57	1011	2,229	90	⊙	⊖	○	◇	
Ditch Cleaning	B	2000	78	1.22	1.60	869	1,916	100	⊖	⊖	○	◇	
Ditch Cleaning Tilt	B	2000	79	1.23	1.61	1096	2,417	100	⊖	○	◇	X	
Maximum load with coupler (payload + bucket)								kg	2863	2636	2328	2139	382
								lb	6,311	5,811	5,132	4,716	843

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/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)
- ◇ 900 kg/m³ (1,500 lb/yd³)
- X Not Recommended

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(continued on next page)

320 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility (continued)

	Linkage	Width		Capacity		Weight		Fill	4.2 mt (9,300 lb) Counterweight				4.7 mt (10,400 lb) Counterweight	
		mm	in	m ³	yd ³	kg	lb		%	Reach Boom		VA Boom		SLR Boom
										R2.5 (8'2")	R2.9 (9'6")	R2.5 (8'2")	R2.9 (9'6")	6.28A (20'7")
With CW-40 Quick Coupler														
General Duty	B	900	36	0.81	1.06	664	1,463	100	●	●	●	●		
	B	1050	42	1.00	1.31	711	1,567	100	●	●	⊙	⊖		
	B	1200	48	1.19	1.56	781	1,721	100	⊙	⊖	⊖	○		
	B	1300	51	1.30	1.70	813	1,791	100	⊖	⊖	○	○		
Heavy Duty	B	600	24	0.46	0.61	618	1,363	100	●	●	●	●		
	B	1200	48	1.19	1.56	886	1,953	100	⊙	⊖	○	○		
	B	1300	52	1.30	1.71	944	2,081	100	X	X	X	X		
Ditch Cleaning	B	2100	83	1.29	1.69	792	1,746	100	⊙	⊖	○	○		
	B	2100	83	1.46	1.91	809	1,784	100	⊖	○	○	◇		
	B	1800	72	1.50	1.96	775	1,709	100	⊖	○	○	◇		
	B	1800	72	1.50	1.96	737	1,624	100	⊖	○	○	◇		
	B	2100	83	1.76	2.31	864	1,905	100	○	◇	◇	X		
Ditch Cleaning Tilt	B	2000	79	1.23	1.61	1161	2,560	100	⊖	○	◇	◇		
Maximum load with coupler (payload + bucket)								kg	3034	2808	2499	2311	554	
								lb	6,690	6,190	5,510	5,094	1,221	
With CW-40S Quick Coupler														
General Duty	B	600	24	0.46	0.61	508	1,119	100	●	●	●	●		
	B	750	30	0.64	0.84	592	1,305	100	●	●	●	●		
	B	900	36	0.81	1.06	661	1,457	100	●	●	●	●		
	B	1300	51	1.30	1.70	810	1,785	100	⊖	⊖	○	◇		
	B	1400	55	1.43	1.87	845	1,862	100	⊖	○	○	◇		
Heavy Duty	B	600	24	0.46	0.61	585	1,289	100	●	●	●	●		
	B	1200	48	1.19	1.56	875	1,928	100	⊙	⊖	○	○		
	B	1300	52	1.30	1.70	931	2,052	100	X	X	X	X		
Ditch Cleaning	B	2000	78	1.22	1.60	815	1,797	100	⊙	⊖	○	○		
	B	2200	87	1.36	1.78	880	1,940	100	⊖	○	○	◇		
Ditch Cleaning Tilt	B	2000	79	1.23	1.61	1142	2,518	100	⊖	○	◇	◇		
Maximum load with coupler (payload + bucket)								kg	3004	2779	2474	2289	569	
								lb	6,623	6,127	5,454	5,046	1,254	

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/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)
- ◇ 900 kg/m³ (1,500 lb/yd³)
- 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.

320 Hydraulic Excavator Specifications

Attachments Offering Guide

PIN-ON ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)			
		Reach Boom		VA Boom	
Boom Type		2.5 m (8'2")	2.9 m (9'6")	2.5 m (8'2")	2.9 m (9'6")
Stick Length		2.5 m (8'2")	2.9 m (9'6")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H115E S	✓	✓	✓	✓
	H120 GC S	✓	✓	✓	✓
	H120E S	✓	✓	✓	✓
	H130E S	✓	✓†	✓	✓†
Multi-Processors	MP318 CC Jaw	✓	✓	✓	✓
	MP318 D Jaw	✓	✓	✓	✓
	MP318 P Jaw	✓	✓	✓	✓
	MP318 S Jaw	✓	✓	✓	✓
	MP318 U Jaw	✓	✓	✓	✓
Pulverizers	P215	✓	✓	✓	✓
Crushers	P315	✓	✓	✓	✓
Demolition and Sorting Grapples	G315B	✓	✓	✓	✓
	G315B WH	✓	✓	✓	✓
Mobile Scrap and Demolition Shears	S3025	✓	✓	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓
Clamshell Grapples	CTV15	✓	✓	✓	✓
Orange Peel Grapples		✓	✓	✓	✓
Rippers		✓	✓	✓	✓
Cat Pin Grabber Couplers		✓	✓	✓	✓
Dedicated Quick Couplers		✓	✓	✓	✓

Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

†Allowed usage on machine less than 50%.

Demolition and Sorting Grapple: WH – Waste Handling shells

(continued on next page)

320 Hydraulic Excavator Specifications

Attachments Offering Guide *(continued)*

CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)			
Boom Type		Reach Boom		VA Boom	
Stick Length		2.5 m (8'2")	2.9 m (9'6")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H115E S	✓†	✓†	✓†	✓†
	H120 GC S	✓†	✓†	✓†	✓†
	H120E S	✓†	✓†	✓†	✓†
	H130E S	✓†	✓†	✓†	✓†
Multi-Processors	MP318 CC Jaw	✓	✓	✓*	
	MP318 D Jaw	✓	✓	✓*	
	MP318 P Jaw	✓	✓*		
	MP318 S Jaw	✓	✓	✓*	
	MP318 U Jaw	✓	✓	✓*	
Pulverizers	P215	✓	✓	✓	✓
Crushers	P315	✓	✓	✓*	
Demolition and Sorting Grapples	G315B	✓	✓	✓*	
	G315B WH	✓	✓*	✓	✓*
Mobile Scrap and Demolition Shears	S3025	✓	✓*		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓

Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

*Working range front only.

†Allowed usage on machine less than 50%.

Demolition and Sorting Grapple: WH – Waste Handling shells

(continued on next page)

320 Hydraulic Excavator Specifications

Attachments Offering Guide *(continued)*

CW-40 COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)			
		Reach Boom		VA Boom	
Boom Type		2.5 m (8'2")	2.9 m (9'6")	2.5 m (8'2")	2.9 m (9'6")
Stick Length		2.5 m (8'2")	2.9 m (9'6")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H115E S	✓†	✓†	✓†	✓†
	H120E S	✓†	✓†	✓†	✓†
	H130E S	✓†	✓†	✓†	✓†
Multi-Processors	MP318 CC Jaw	✓	✓	✓	✓*
	MP318 D Jaw	✓	✓	✓	✓*
	MP318 P Jaw	✓	✓	✓*	
	MP318 S Jaw	✓	✓	✓	✓
	MP318 U Jaw	✓	✓	✓	✓*
Pulverizers	P215	✓	✓	✓	✓
Crushers	P315	✓	✓	✓	✓*
Demolition and Sorting Grapples	G315B	✓	✓	✓	✓
	G315B WH	✓	✓	✓*	
Mobile Scrap and Demolition Shears	S3025	✓	✓		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓

Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

*Working range front only.

†Allowed usage on machine less than 50%.

Demolition and Sorting Grapple: WH – Waste Handling shells

(continued on next page)

320 Hydraulic Excavator Specifications

Attachments Offering Guide *(continued)*

CW-40S COUPLER ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)			
Boom Type		Reach Boom		VA Boom	
Stick Length		2.5 m (8'2")	2.9 m (9'6")	2.5 m (8'2")	2.9 m (9'6")
Hydraulic Hammers	H115E S	✓†	✓†	✓†	✓†
	H120E S	✓†	✓†	✓†	✓†
	H130E S	✓†	✓†	✓†	✓†
Multi-Processors	MP318 CC Jaw	✓	✓	✓	✓*
	MP318 D Jaw	✓	✓	✓	✓*
	MP318 P Jaw	✓	✓	✓*	
	MP318 S Jaw	✓	✓	✓	✓
	MP318 U Jaw	✓	✓	✓	✓*
Pulverizers	P215	✓	✓	✓	✓
Crushers	P315	✓	✓	✓	✓*
Demolition and Sorting Grapples	G315B	✓	✓	✓	✓
	G315B WH	✓	✓	✓*	
Mobile Scrap and Demolition Shears	S3025	✓	✓		
Compactors (Vibratory Plate)	CVP110	✓	✓	✓	✓

BOOM-MOUNT ATTACHMENTS

Counterweight		4.2 mt (9,300 lb)			
Boom Type		Reach Boom		VA Boom	
Mobile Scrap and Demolition Shears	S2050		✓		
	S3035		✓		✓

Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

*Working range front only.

†Allowed usage on machine less than 50%.

Demolition and Sorting Grapple: WH – Waste Handling shells

320 Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
ENGINE			UNDERCARRIAGE AND STRUCTURES		
Cat C4.4 Twin Turbo diesel engine	✓		Tie-down points on base frame	✓	
Three selectable power modes	✓		Track guiding guard, segmented two pieces	✓	
Automatic engine speed control	✓		Track guiding guard, full length		✓
Automatic engine idle shutdown	✓		Standard bottom guards	✓	
Work up to 3000 m (9,840 ft) above sea level without engine power de-rating	✓		HD bottom guards		✓
52° C (125° F) high-ambient cooling capacity	✓		Standard swivel guard	✓	
Cold starting capability for -32° C (-25° F)	✓		Standard travel motor guards	✓	
Double element air filter with integrated precleaner	✓		HD travel motor guards		✓
Electric fuel priming pump	✓		Grease lubricated track links	✓	
On-demand electric cooling fans with auto-reverse function	✓		4.2 mt (9,300 lb) counterweight	✓	
Biodiesel capability up to B20	✓		4.7 mt (10,400 lb) counterweight for SLR		✓
HYDRAULIC SYSTEM			Semi-HD swing frame	✓	
Boom and stick regeneration circuits	✓		Standard swing bearing	✓	
Boom/stick lowering check valves		✓	Standard base frame with HD track rollers and standard carrier rollers	✓	
Electronic main control valve	✓		Final drive with bio oil travel motor	✓	
Auto hydraulic oil warm up	✓		BOOM, STICKS AND LINKAGES		
Automatic two-speed travel	✓		600 mm (24 in) triple grouser track shoes	✓	
Boom and stick drift reduction valve	✓		700 mm (28 in) triple grouser track shoes		✓
Element type main hydraulic filter	✓		790 mm (31 in) triple grouser track shoes		✓
Slider joysticks	✓		900 mm (35 in) HD triple grouser track shoes		✓
Tandem type electronic main pump	✓		5.7 m (18'8") Reach boom	✓	
Advanced Tool Control (two pump, one/two way high-pressure flow)	✓		VA boom (2.8 m/9'2" stub + 3.3 m/10'10" fore)		✓
Medium pressure auxiliary circuit		✓	2.9 m (9'6") Reach stick	✓	
Quick coupler circuit for Cat Pin Grabber and CW Dedicated	✓		2.5 m (8'2") Reach stick		✓
SmartBoom™		✓	SLR 8.85 m (29'0") boom		✓
			SLR 6.28 m (20'7") stick		✓
			Bucket linkage, B1-family with lifting eye	✓	
			Bucket linkage, A-family without lifting eye, SLR		✓

(continued on next page)

Standard and Optional Equipment *(continued)*

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

	Standard	Optional		Standard	Optional
ELECTRICAL SYSTEM			SERVICE AND MAINTENANCE		
1,000 CCA maintenance-free batteries (×2)	✓		Sampling ports for Scheduled Oil Sampling (S·O·S SM)	✓	
Centralized electrical disconnect switch	✓		QuickEvac TM maintenance ready		✓
Programmable time-delay LED working lights	✓		Grouped location for engine oil and fuel filters	✓	
LED chassis light, LH and RH boom lights	✓		Ground-level second dipstick for engine oil	✓	
CAT TECHNOLOGY			SAFETY AND SECURITY		
Cat Product Link TM	✓		Rearview and right-hand-sideview cameras	✓	
Work tool recognition	✓		360° visibility		✓
Work tool tracking*	✓		Neutral lever (lock out) for all controls	✓	
Laser catcher		✓	Anti-skid plate and countersunk bolts on service platform	✓	
Cat GRADE with 2D and offset memory	✓		Ground-level accessible secondary engine shutoff switch in cab	✓	
Cat GRADE with Advanced 2D		✓	RH handrail and hand hold (ISO 2867:2011 compliant)	✓	
Cat GRADE with 3D connectivity:		✓			
– Virtual Reference Station**					
– Internet Base Service Station**					
– Trimble Connected Community**					
Cat Assist:	✓				
– Grade Assist					
– Boom Assist					
– Bucket Assist					
– Swing Assist					
– Lift Assist					
Cat PAYLOAD:	✓				
– Static weigh					
– Semiautomatic calibration					
– Payload/cycle information					
– USB reporting capability					
2D E-Fence:	✓				
– E-ceiling					
– E-floor					
– E-swing					
– E-wall					
– E-cab avoidance					
Auto hammer stop	✓				
Remote Services capability	✓				

*Paired with PL161 attachment locator.

**Subscription required.

320 Attachments

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Radial lower wiper for 70/30 with washer
- LH/RH electrical pedal for tool control
- Rain protector plus cab light cover

SAFETY AND SECURITY

- Bluetooth® key fob

ELECTRICAL

- Jump start wiring
- Premium lighting package

GUARDS

- Side rubber bumper
- Falling object guard system (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

Cab Options

	Deluxe	Premium
ROPS, standard sound suppression	●	X
ROPS, advanced sound suppression	X	●
High-resolution 254 mm (10 in) LCD touchscreen monitor	●	●
High-resolution 254 mm (10 in) LCD touchscreen monitor + additional monitor (for Cat GRADE Advanced 2D and 3D)	○	○
Heated seat with air-adjustable suspension	●	X
Heated and cooled seat with automatic adjustable suspension	X	●
Height-adjustable console, infinite with no tool	●	●
Tilt-up left-side console	●	●
Automatic bi-level air conditioner	●	●
Jog dial and shortcut keys for monitor control	●	●
Keyless push-to-start engine control	●	●
51 mm (2 in) seat belt	●	●
Bluetooth integrated radio with USB ports	●	●
12V DC outlets	●	●
Document storage	●	●
Rear head storage net and lunchbox storage net	●	●
Cup and bottle holders	●	●
Openable two-piece front window	●	●
Fixed one-piece front window	X	○
Upper radial wiper with washer	●	X
Parallel wiper with washer	X	●
Openable polycarbonate skylight hatch	●	●
Fixed glass skylight hatch	X	○
LED dome light	●	●
Floor welcome light	●	●
Roller front sunscreen	●	●
Roller rear sunscreen	○	●
Rear window emergency exit	●	●
Washable floor mat	●	●
Beacon ready	●	●

- Standard
- Optional
- X Not available

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AEXQ2214-03 (12-2019)
Replaces AEXQ2214-02
Build Number: 07C
(Europe)

